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# ENGLISH <br> CYCLOPEDIA. 



## CONDUCTED BY CHARLES KNIGHT.

GEOGRAPHY.-VOLUME II.


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# ENGLISH CYCLOPEDIA. 

## GEOGRAPHY.

BOHAIR.
DOHEMIA.

## BOHAIR [AISNE]

BOHEMIA (in German, Bühmen), also termed Büheim in many ancient records, derives its name from the Boii, who once occupied the parts about the sources of the Filbe and Moldau. It now constitutes a kingdom forming part of the empire of Austria, comprising Bohemia Proper; the margraviate of Moravia, and that small portion of the dnchy of Upper Silesia whiel was not ceded to Prumsia under the treaty of IIuhertahurg in 1763 properly belong to it, hut they now form a distinct province of the Austrian empire. The margraviates of Upper and Lower Lusatim also formed part of the Bohemian dominions, until the treaty of Prague in 1635 tranaferred them to the electorate of Saxony. The details which we are about to give will be confined to the territory generally known hy the desigrintion of Bohcmia; which is an irregular quadrangle in the south-eant of Germany, oxtending between $48^{\circ} 33^{\prime}$ and $51^{\circ} 5^{\prime} \mathrm{N}$. lat., and $12^{\circ}$ and $16^{\circ} 46^{\prime}$ E. long. : it contains an area of 20,013 square miles, which is more than two-thirds of the area of Ireland or Bavaria. It is bounded N.W. hy the kingdom of Saxony, N.F. hy the Prussian province of Saxony, and hy Austrian and Irussian Silesia, S.E. hy Moravin, S. hy the arehduehy of Austria, and S.W. hy the kingdom of Bavaria Tho whole circuit of Bohemia is estimated at about 810 miles, of Which 165 lie next to Prussia, $29 \pm$ to Saxony, and 175 to Bararia: so that 176 miles only of this circuit are skirted by other parts of the Austrian dominions.

Surface, Population, dec. -The kingdom of Bohemin is now divided into seven circlos, which, with their respective areas and populations, are as follows:-


There are in the kingdom 289 towns, 278 smaller towns and places having markets, and 12,079 villages. The inhahitants are 220 to a eqnare mile.

Bohemia is inclosed on every side by lofty and in parts wild and dreary mountains. On the west side, and from a point close upon the Fichtelgehirge, iane two ranges, the one taking a north-east and the otleer a south-east direction. The firat of theso ranges, which sepa. rates Bohemia from Saxony, and may he termed 'the left arm of the Sudetach chain,' is 'known under the name of the Eragehirge (Ore Mountains). It runs to the left bank of the Elhe hetween Tetschen and Schandan, and is neither precipitons nor of $n$ wild character, hut with few exceptions wooderl ncarly to its summit. Its ridges form an unduln ing line, here and there hroken hy gentle depressiona. The
ahort mope is towards Bohenia, and the longer one towards Saxony. The highest point of this range are the Schwarzwald, or Sonnenwirbel, near Joachimathal, 4125 fcet (or according to Hallaschka 4005 feet only) ; the I esser Fichtelberg, near Wicsenthal, 3999 , or according to some 8709 feet only; the Kupferberg 2749 foet, towards the nonthern end of the range; and the Schneeberg, near Tctschen on the
GEOD. Div. VOR if.

Elbe 2291 feet at the northern end of the rango. The western and south-western borders of Bohemin are defined hy the Böhmer-Waldgehirge (Bohemian Forest Mountains). The Sudetsch ehain, of whieh the prineipal range is more peculiarly designnted the, Sudetengebirge (Sudetach Mountains), extends from the right hank of the Elbe as far to the eastern side of Bohemia as Grulich. Certain portions of this range hear particular names; such as the north-western, called the Isergehirge (Mountains of the Iser), and that small portion'lying next to the Elbe, which is called the Lausitzer Bergplatte (Mountain platean of Lusatia).

In the last-mentioned quarter the loftiest summit on the sidc of Bohemis is the Tafel-fichte, whieh lies at 'the extreme point of the Bohemian frontier next to Silesia aud Saxony, and according to Gersdorf has an elevation of 8780 feet. Commeneing from the enstern side of the Iser, the frontier line between Bohemia and Silesia rnns along the erest of the remaining and principal arm of the Sudetach chain, termed the Riesengehirge (Giant Mountains), name frequently appliod to desiguate that ehain in general. Seen from a certain distance this range descrihes a waving line, with a few elevated points, which present the appearance of having heen cut short off at their upper extremities. The highest of these ahrupt and naked summits is the Riesen, or Sehneekoppe (Giant or Snowcap), 5058 feet, upon which a circular chapel dedicated to St. Lawrence has been ereeted. Next in height are the douhle-capped Brunn or Boruherg, and the Great Sturmhnube (Tempest-hood); the forrner of whieh is 5000 and the latter 4700 feet ahove the level of the sea. The Sudetseh clain, which runs eouth-south-east to the vicinity of Grulich, is called the Glatz Mountains (Glatzischegehirge), the waving outline of whose occasionally enp-crowned ridge forms a pleasing object to the eye. Its highest point, though it helongs rather to Moravia than Bohemia, is the Grulicli or Spieglitz Sehnceherg; hut the most elevated on the Bohemian side are the Deschnay, Hohekoppe, or Grenzkoppe, as it is also termed, whieh rises to the height of 3748 fcet above the sea, and the Marienherg near Grulieh, to which some assign an clevation of 4545 feet. The highest ranges of the Sudetach Mountains consist of primitive formations, and are in some parts rich in ores: those of inferior height are composed of clay-slate and limestone, intermixed with heds of coal ; and the offsets of lower elevation are formed in some parts of quartz and aandstone, and in others of grauwacké and hasalt.

A lower range runs along the south-eastern houndary of Bohemin, termed the Bohemian-Moravian Mountains, and forms a connecting link with the Glatz Mountains towards tho north, and with the Mannhart Mountains in the archduchy of Austria towards the south. This range, which is of moderate elevation and gentle ascent, separates the hasins of the Elhe and Moldau from those of the Danube and the March.

The range which runs nearly north-wcst and south-east, and forms the houndary-line between Bohcraia and Pavaria and part of Austrin, is known hy the name of the Böhmer-Wald-gehirge (Bohemian Forcat Mountains), which is wholly of primitive formation, and characterised hy naked and precipitous features and deep ravincs. Towards Bavaria its slope is extremely ahmpt, hut on the Bohemian side the descent is gradual; and on this side the loftiest heights aro the Heidelberg, whose summit forms a spacious plateau at an elevation of 4500 feet, the Kuhani, or Bouhin, 4218 feet high, and the Dreisscsselberg (Mount of Thrco Seats), on the houndaries of Bohemia, Bavarin, and Austris, 3798 feet. This mountain runge prosents n


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 Trubat, a looplino which prese by Olmuts divergem oantward, and ahortly akerwaris qulta bloberuia. Thave la alen a lise chicfly for zuiberala from lundwein suuthwand Wh Lius aud Ginudeu; the carringeas afm drawn by borean, and pamengers are not conveyed ou that part of the line which lelonge to Rolemia
Grology, Mineralogy, dec. - The geological ebameter of Bohemin han licen numiciently described under A cotbia. From Zippois Survey it would appent that the whole of the mountains which inelose lholemin are of primitive furmation, with the exeeption of two points, the one In the north where the litbe quits bohemin, and tho other in the north-wesh, about Iraimats and Trauteanu, which aro of a Inter formation. A very extenaive formation of madatone is olwerved in tho heart of tho country; and there is ono mont remarkable mnank, the Stelnwald, near Adersiach, which is uearly 5 miles iu length and abovo a mile in breadel. It atands at eone points in coruphet ennamas, and iu othors is alaped lnto lofty columne, jyramidn, coues, 太c, formiug immotuo labyrintha In many parts ngain thore aro hills and mumntaina eoroposed of a zolid mam of bramit.
Hehomia contains large manses of quartz, grauite, and sandstone precious atones, particularly tho celebrated 1holemina garnot or pyrope, rubies, sapphires, topazos, chryolitex, amethysts, onrmelinus, clinlcolonlen, and agatea; limentouen, beautiful marliles, porcolain eurth, elaten, pottor's clay, betweeu twenty and thirty npocios of serpentine, bimalt, porphyry, sa. The mountnin districts yield gold (Lhough now but a emall quantity) and wilver, quicksilver, tin, lend, Iron, bimmuth, sine, colialh, amenic, manganeae, niekel, cliromo, \&c. Of anter Itohemin furnishen mative alum, natrou, several kinda of vitriol, and almont every varicty of officinal antite from lta mineral ppringa; nowl an common mall is extracted from smine of tho wprings It he beea iuferreal that beets of rock-anlt exist in some quarterw Conalderablo atrata of sulphurous nate, is well as conde, have been found, and in mome dincetlons peat-turf in dug; black-leall of goond quality likewine freqnently nocurn. The coutrey is oxtremely rieh in mineral waters, and neveral of them aro in groat repute: of wach na aro publidy krown tbere aro upwarda of 160 . At the head of the ferraginone apriugn aro tho 1 Prankens Brunnen near Fger, the three apringa ne Marieabad, and that at Ciewahibl; aunoug the alkaline apringe aro those of Carlabad and Teplites, oue at Marienbal, atud others at Bilin, Llebwerda, \&c. ; thore are Litter waters at Sedlite, Maidechitz, and P'ullaa; mulplurous apringa at Teplitz, Soberselnan, da; aluminous and vitriolio apringa at Steeknitz, MLochouo, Zlouitz, dc. ; carbonic nold watere at Carlatall; and soliuo springs at Sohlan and In other places. The virtiren of the apringm of Carlabad, as well an tho beauty of the mijucent becuery, haro pilncord that apot at the haml of the bathe of Gormany, and noqulred for it the designation of "the l'enrl of Ibohemin.' The tomperature of some of thems at the moment of thelr firve emindion in not lows chan from $59^{\circ}$ to $80^{\circ}$ of Renumur (about $105^{\circ}$ of Fahrenteit): that of the nprings of Toplizz is
 $9^{\circ}$ or $10^{\circ}\left(54^{\circ}\right.$ Fahr.). A large quanatity of mineral water is nmuunlly oxprorted from the loheminn apringa

Climate, Soil, Productions, de.-Tho elevation of tho intorior of Boliomala and lie romutones from nay conat, for it is nearly equl diannat fronr the Baltie and Mediterrauman, give it a elear anul salubrions atruouphere and general constancy of wenther. The climato maturally beoomen keoner and bleaker in the chnins of zoountains whleh encirele Bohemin rine $\ln$ beigh . The regionn alout Gottengal (Bod'n Oift) In tho Oro Mountainn aro conmidered tho coldest in Hhelemin, and there aro fow montha of tho year in which there is not need of Are ; nor will grain ripen la them. In the Bohemian Forent range, where the nuow frequently lien 12 feet deen, and does uct dimppoers until the inlddlo of April, an woll an in those parts of the provinoe of Budweis whioh ano saturatal with mointure, thore aro many dintricta in general covered whth woodn or foreste which aro not
 Phar.), whilat on the elevated nite of lechherg it is not more than
 barroat in two or threo wooka latar thans in the low country, the higheat degroe of heat has been found to ho $12^{\circ}$ Henu. ( $50^{\circ}$ Hahr.) and the severent degree of oold $0^{\circ}$ ( $18.5^{\circ}$ V'abr.). Tho prevalent widnda blow from weat to some pointh north, and frem went to some points mouth. These wiodh, according to Diask, luvariably bring dry Wenther in winter but wet is summer; tho moro coutherly thoir point of cleparture in anmzor the finer the weather. In winter it is preeivoly the revenne, they baing nnually mecompaniod by rainm nad thawa. On the other hand the zearer to the north their joint of departure the more frequent and tha more riolent are the atorman by which they an attanded.
The moil of leshemin varien considerably in proluotivenean, bat it is wowhere entivily aterile except in curtain parts of the Iohemian

Forest, on the Ore, and Giant Mountains, those lands along the banks of the Elbe, particularly from Kunieritzerberge to Königgratz, which are coated with drift sand, and in some of the districts where swamps abound. The rest of the low country is in general rich and productive, particularly tho province of Sastz No soil in Bohemia is however more fertile than that which has beeu formerly the site of large sheets of water, its deep black loam being highly favourable to the growth of wheat, rye, and barley. Bohemia produces almost every description of grain aud pod seeds, but no maize. The cultivation of the soil is however susceptible of great improvement. The land is divided into estates of vast magnitude; and the peasantry are held in servitude and derive little benefit from their labour, and consequently feel little interest in it. The quantity of arable land in 1846 was $6,105,995$ scres; of meadow and garden ground $1,421,072$ acres; of pasture land 997,575 acres; of vineyards 4462 acres; and of forests and woodland 3,758,987 aeres. The quantity of wheat raised in 1846 was $1,234,126$ quarters; of rye $2,999,345$ quarters; of barley $1,703,68 \%$ quarters; of oats $2,834,169$ quarters; and of potatoes $21,034,349$ bushels. Among other procluctions flax is grown in every circle, but of various qualities, and hemp is raised in some few quarters; vegetables, nuts, liquorice-root, chicory, excellent hops, \&c.; rape-seed is also largely eultivated for the sake of the oil. Fruit abounds in all parts except the more elevated districts; the vine is only cultivated along the valleys of the Elbe and Moldau. The fincst orehards, or rather groves of fruit-trees, exist in the vicinity of Noustadt above the Mettau; whole woods of plum-trees are met with near Melehowek, Weltrus, and other spots. Bohemia is in fact a large exporting country for apples, quinces, dried plume, pears, cherries, \&c., thongh less so than formerly. Bohemia is celebrated for an excellent kind of hops, of which the produce is considerable; those grown in the province of Saatz, and uext to tliese the hops enltivated in the provinces of Rakonitz, Bunzlnu, and Pilsen, are in highest esteem : a consider able quantity is annually exported. Bect is cultivated to some extent in order to meet the growing demand for the beet-root sugar manufacture. The border mountain ranges, from which lowever some of those which adjoin Moravia must be excluded, contain rich supplies of timber and fuel. Mosses, particularly the Iceland sort, herbs, grasses, and medicinal plants, mauy of them of rare occurrence elsewhere, are plentiful in the mountain regions.

Bohemia has a very superior breed of horses. This breod, though uot of large size, has undoubtedly the advantage over that of any immediately adjacent country from its loftior stature aud finer limbs: the number is about 150,000 . The supply of hornod cattle, amounting to about 250,000 oxen and $700,000 \mathrm{cows}$, is not adequate to the home demand. The nativo race is in general small and of inferior chape; and on nceount of the insufficiont supply, large importatious are madc from Polaud and Moldavia. The slieep, of which there are about $1,500,000$, afford excellent wool. The stoek of goets and swine is aloundant. Poultry, particularly turkeys aud geese, are reared everywhere; honey and was are produced in all the eircles. The stock of game has fallen off in thoso quarters whero the population has increased; it cannot however be termed scanty, and Bohemia still possessers stags, deer, hares, wild hogs, pheasants, and partridges in abundance. Some of the wild animals, such as bears, wolves, and lynxes, continue partially to infest certain distriots, chiefly those adjoining tho Bohemian Forest Mountains. The fox, marten, polecat, weasel, and squirrel also inhabit the Bohemian woods. Birds of prey abound. Considerable supplies of fish are obtained not only from tho rivers and brooks, but from the extensive ponds in various parts of this country; amongst them is the salmon, which finds its way from tho North Sea into the Moldau and Wottowa. The mountain atreams are full of trout; and ecls and eraw-fish are found in many rivulets. The Moldau contains a massel from which pearls aro extracted, which are also obtained in the Wottowa and White Eleter, near Steingrun, in the district of Eger.

Manufactures, Trade, \&c.-Bohemia is one of the most manufacturing conntrie in the Austrian territory ; and thonorthern provinces, especinlly the parts adjacent to Reichenberg, Rumburg, and Trautenau, where the rawness of the climate or an indifferent soil is unfavourable to agriculture, are the principal seats of manufacturing industry. The glass of Bohemis has beeu in repute for its cheapness, lightness, and durability cver since the 13 th contury : in 1837 it employod 3500 families. In that year there wore 75 glass-houses and 22 grinding and polishing milla. Tho chief seats of the manufacture are Silberberg, Adolphahutte, Libenau, Georgenthal, and Defercek; the polishing is for the most part done at Leitmeritz. Tho best mirrors and enamelled wares are produced at Neuhurkenthal and Burgstein. The cultiva tion and working up of flax constitutes a chief means of subsistence among the inhabitants of the highland districts. Many parts of tho districts adjoining the northern and enstorn ranges of mountains form one continued manufactory of linens, in which thousands of humble cabins pirpetually resound with the noise of the jonny or loom; 500,000 handa at leant (a considerable proportion at their leisure hours only) are naid to be employed in the manufacture of yarn, and ass many as 55,000 wenvers in that of linen; above 1000 individuals depend on tho making of tapen and ribbons, and 20,000 on lace-making. Jut this branch of monufacture is les productive than formerly, in consequence of the progrems making in that of cotton. Much cotton-twist
of the inferior numbers is spun by machinery at and near Neumarkersdorf, Wernstadtl, Rothenhaus, Joachimsthal, Schönlinde, \&e.; but the higher numbers are imported from England and the archduchy of Austria. The weaving of plain ealicoes is principally carried on about Leitmeritz, Bunzlau, Ellbogen, and Gitschin; the finer descriptions are manufactured in the same quarters, as well as at Prague ; and cotton-printiug, which has greatly advanced of late years, is best done at Cosmanos, Reichstadt, Jung-Bunzlau, and Prague. The number of pieces made throughout Bohemia is said to be upwards of 100,000 , over and above what is produced by machinery. In 1848 there were 445,714 spindles and 8284 persons employed in cotton-spinning. About 18,000 persous are said to be employed in making hosiery. There are 500 bleaching-grounds, and many of them, particularly that at Landskron, are on an extensive scale. The cotton manufacture however, like most of the manufactures of Bohemia, is mainly upheld by the protective system of the Austrian goverument. The potash manufactories cmploy a large number of hands. Large quantities of worsted stuffs and woollcus of an inferior quality are made. Reichenberg is the great scat of manufacture for the middling descriptions of Bohemian woollens. It has been estimated that the trade in wool and woullen manufactures affords snbsistence to upwards of 70,000 individuals. Of silks the manufacture is ineonsiderable, and it is almost wholly confined to Prague. Leather and manufactures from it give employment to many hauds. The manufacture of china has been brought to much perfection at Schlaggenwald, Ellbogen, Pirkenhammer, and in other places; and that of earthenware is carried on in several purts of the country. Iron ware is somewhat largely made; steel, cutlery, and needles are mnnufactured principally, and of the best quality, at Prague, Nixdorf and Carlsbad. Bohemia also possosses copper aud tin manufactories, but so little brass is made that it depends for its supply on the areh duchy of Austria. The number of paper-mills exceeds 100. One third at least of the population of Bohemis depend upon manufactures for the chief means of subsistence. The Imperial tobaceo manufactory at Sedlitz eupplies the wholo country with tobacco. The mauufacture of beet-root sugar, as already mentioned, appears to be on the increase. The total valuc of the artieles manufactured in Bohemia in 1841 (the latest year for which we have an official return) was $14,168,000$.

Few branches of industry are more valuable to Bohemia than the working of its mines; and although the produce of the precious metals has deelined, the whole annual supply of these mines, which is estimated at above 200,000l, has not fallen off in value. The quantity of gold and silver now principally got near Puzibram, Joachimsthal, Eule, and Balbin is but small compared with what was obtained iu the 16 th eentury, when the mines yielded as much as $1,090,900$ marks, or about $9,917,300$ ounces of silver, up to the year 1589 aloue. Quicksilver has hitherto been found only in the form of cinuabar; the copper-mines have ceased to be productive; those of tin (and it may be here observed that Bohemia is the ouly part of the Austrinn dominions where it is found) have greatly declined. The lead-miues, primeipally situated about Przibran, Mics, aud Bleistadt coutinuc to yield abundantly. The iron-mines, the riohest of which lie in the districts of Harzowitz and Ginetz in the district of Beraun, and in that of Pilsen employ several thousand hands; but the articlo is inferior to the Styrian aud Carinthian iron. Quarries aro worked in every part of Bohemia; and there is scarcely a distriet in which lime is not prepared. Marble is obtained at Steinmetz; sandstone in Beveral places; the Przilep, Breitenstein, and other quarries yield excellent mill-stones; large quantities of basalt are worked into form for building and paving at Parchen, Rodau, \&e.; quartz of superior quality is got at Böhmisch-Aicha, Weisswasser, Giesshügel, and elsewhere. Among the precious stonss found in Bohemaia, the celebrated garnet, which is equal to that of the East in brilliancy as well as colour and harduess, is principally found at Swietlau in the province of Czaslau, and Dlaschkowitz in the proviuce of Leitneritz. The produce of the coal-mines has greatly increased of late years and coal is in much greater demand in consequence of tho inereasing price of wood, particularly in the northern provinces. The southern parts of the province of Rakonitz, in particular, furmish a coal of very superior description. Graphite, or black-lead, is found near Krummau and Swojanow, and is extensively worked; but is far inferior to the English. About 4000 ewt. of sulphur are annually obtained, and vitriol and sulphuric acid are prepared from the rosidue.
Bohemia, which possesses peculiar facilities for internal and external intercourse by means of the natural lincs of communication of the Elbe and Moldau, carries on an active trade with the other parts of Austria, and with foreign countries. Its exports are chiefly of mineral produets (principally glass), which are ia valuo about one fourth of the whole ; of regetablo productions, the value of which is somewhat higher; and of animal products, particularly wool and quills. Praguo is the centro of tho chief commereial and money transactions, for which its situation peeuliarly fits it. Much benefit has accrued to tho country from the establishment of a periodical exhibition of nativo productions and manufactures, as well as the foundation a few gears since of a society at Prague for the promotion of national industry

Inhalitants.-We have stated that tho population of Bohemia in 1850 was $4,400,900$; in 1833 it was $3,932,000$. About one-third of

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and thelloverum and they placo it in early an 600 geam hec, whilet othern livileve it to lure caliea place moarly 200 youn after, and not Intag befors the manch of the Giaule againat lloma (Niebulario" Ilis. cory of lRome.") The lhali cromed the IO, and eatiled is the country Lotwean the Tarva, ehe Silarwa, nad the A pensinces, and they wok pooverion of ebe fitruoons city of Felaion, nfterwanle callod Bouonla. The Ihull wero oftem engened in war with 1 lome, and thoy obthined at tumos odrantages ores the lomma arms: but they wero finally aulyugnted by Scipio Nerica, nod part of their landa wa laken fromp thetin. Ao they otill concinued ravtles, they were altogether rumored ty the Romanm masl cont ecrom the Noric Alpm, whep they mettlod on the banks of the 1)rarus, near the Soondinol. Ilariag afterwaria eugaged lo wars with the (lete, they werv almost entircly doetruyed and wo And In Miny (iii 21) a rant trect betwoon tho Dravua and tho 1)anublue called "Deserta Bolorum.
Wo find the Boli eagapod Ia the Ilelvetian immigration into Gaul In tho time of Comar. Whether them were from bome purt of their trilvo which ball remaimed in Gaul, or whether they came buck from Germany lato llelretin, is mot known Aner the defeat of the Holvelian the A'dui begged of Clesar that the Boil might remnin among them, which boing menented $t o$, tho Fidul nettled them in a diseriet Letween the Ligeria (Loire) and the Flaver (Allier)
The Boij from Bohemin, who had eettled on the banke of the CEnus, beome auliject to the lounas emplira, and formed part of the proVince of Visdelicin Duriag the clecline of the empire Cley were expoed to the irruption of the Mnoomanal, the Thuriogii, and olher tribes wioo occupiod their country, which afterward wok the name of Ihojoaris, or Iboinia, come my from the united namen of the Boli and the Arart, a l'annonian triba From Buinria the morlern Apjellation of Beraris is derired. (Areatinum, 'Anmmles Boiorum..') There was aleo a diverict In Aquitanis onllod Baii, near the sen, in the noliphbourtsool of Burdigule (Randeaux).
(1) Anville, Vorice de 8 Ancienne Gaule.)

BOLS-LFDUUC, fortifed town, the enpital of the province of North llmabant in the kingion of Holland, is situnterd is $81^{\circ} 42$ N. Latio $5^{\circ} 16^{\circ} \mathrm{F}$ - long, and liae a population of about 23,000 , including the garrinon of abous $\$ 000$ men. Thin cown was founded is 1154 by Codfrey 111., duke of Mrabant, who posemsod ot the mine epot a house in the middle of a forast in which be wns nceuslomed to hust, and heace the lown han derived ila name; l3ois-lo-Duc in Franch and "Hortogenbonch in Dutch, airnifying "the Duko's Forests" 11enry, the mon and eveccmor of Gadfrey, causol the forest to bo cut slown, and surrounded the cown with walla In 1575 the town separatod Itwelf from the staven, and wan lewteged both in 1601 and 1603 by Irrince Maurice of Ninmu. In 1029 it fell into the lanude of the Dutch anter a alege of four montha Tho Presich defoated an linglish fonco aear Bola-lo-1)ue in September 1784, and in the following moath the placo nurrendered to l'iobegrus. The I'ruwians under Gonemal Bulow hook 13ole-le-i)ne is 1814.
Hola-le- Duc Ia mivumed near the jumction of the Domnel and the An It in a clean mad well-bullt cown, about fire uslom in circumfereace, and combains many good streels and aquares; it in intermected by canale, orer which are upwardi of elghty bridges. The towa-luall, which atande is the priscpal siuare, in a havioone building, sur mmunted by a oteegle with n fine chime of balls. The lown contains aix churches-four Catsollo and two Protostant. The Catholic cathedral of Sh Jolis'a in one of the finent gotbic churche in 1lolland; its foundatione ware leid in 1250, ant it wes not finihod until 1312: ite roof is aupported by 150 coluana The Protostanta had the une of thif church from 1620 till 1810, when it wae revtored to the Catholice (who are very aumenou In the town) by Louis Bonaparta, The town combalom un scalemy of painting, aculpturo, and architecture, and a crammar achool, In whloh Firnasue and Graresande reccirad inmruction. Ijaes threal, woollen cloth, hata, brandy, glas, cotton frinta, rilbbos, pina, needles, and cutlery aro canaufactured in lbois(0.1)uc.

BOJADORE, CAIPE, on the wot coant of Africh $20^{\circ} 12^{\prime} \mathrm{N}$. Inh and $14^{\circ} 10^{\circ} \mathrm{W}$. lons., form one of the projocting points of tho Great jhewert or the tialiam. It rimen in a condederable height, and in the wewtern exiremity of the Jebol Khal, a rocky ridgo which ruus enstwerd lnto the dexert.

The ocost which extends unthward to Capo Nun le one of tho suont dangeroun on the whole globe, lichug so flat that one suay walk a tulle inth the without balng in water over tho kneen. Vomols coumenueatly utrike at a very conaiderablo dintance frow the beach.
 whels expeade for maray milen out at mos. The almager cmumad by the ensbbination of auch dimestrinalageoun circumatancea fe ntill incremed In the curronta along the whole cont from the Siraite of Gibrattar ts Cagre 13 anco metteng In towenln the lasd with great force and rapidity. Tho imulewiodn also which prevail In the Siahara, and gonerally in the ana to the wentward of the Cluary Imlands, rarely blow in the channol whlch dlvides thee islandr from the continent, but aro bere mplaced lyy a wenterly or northowenterly wind; from which it will be - vinloat that the dangern whleh liere await tise unwary navigator nre of mo common demeription. The unhapry mailora whone fate it is to If Cont away upon this ahone fall into the bande of the Moors, and bare to undergo all the handshly of a mont eevero alavery in the desert.

The difficulties which oppose the progress of vessels near Cape Bojador was the reason why the Portuguese navigators in the begining of the 15 th century employed eighteen years in discovering the eoast between Cape Nun and Cape Bojador. Though the former had been doubled in 1415, it was not till 1432 or 1433 that Gilianes succeeded in passing the second. The name Bajador is Portuguese, and means 'a round cape.
(Barros, History of Asia and the Indics, i. 24; Rennell's Investigation of the Currents ; Jackson's Account of Marocco.)

BOKHA'RA, a country situated in Central Asia between $36^{\circ}$ and $42^{\circ}$ N. lat., $63^{\circ}$ and $70^{\circ}$ E. long., was by the Greeks and Romans called Sogdiana or Transoxiana, and by Persian and Arabian authors Mawaralnahr. It is bounded N. by the desert of Kizil Koom and the khanat of Khokand, E. by Kunduz and Badakshan, S. by Cabnl, and W. by the desert of Kharism, which extending on both sides of the Oxus joins the desert of Kizil Koom, and separates Bokhara from Khiwa. The area is eatimated at 235,000 square miles, and the population at $2,500,000$, of whom $1,500,000$ are Uzbeks
Surfuce.-Bokhara forms the south eastern corner of that remarkable depression which extends northward to Saratow on the Volga in Southern Russia, and southward to the Hindu-Koosh. The surface of this extensive depression, which occupies all the countries to the north and east of the Caspian Sea and thoso surrounding the Sea of Aral on all sides to a great distance, is nearly a desert, the soil of which is commonly a stiff clay of great aridity, covered here and there by sandy hills of small elevation. Bolkhara partakes of the disadvantages of such a soil, but being surrounded by high mountain ranges at a short distance on the east and south, it enjoys a considerable supply of water, by means of which the industry of the inhabitants has changed considerable tracts into fertile fields and beautiful gardens.

Neither the great range of mountains which borders the high tableland of the Chinese provinco of Thian Shan Nanlu on the west, and on our maps is called Bolor-Tagh (but ought to be callod Tartash. Dagh), nor the range of the Hindu-Koosh, advances to the boundary of Bokhara. They remain at the distance of sixty milea and upwards from it; but sorne offsets of the Tartash-Dagh enter the country. Such are the Akh-Tagh (White Mountains), which advance to the neighbourhood of Samarcantl north of the river Zar-afshan, and the Kara-Tagh (Black Mountains), which extend to the south of the same river about the anme distance, if not farther, west. These ridges and a few others of less magnitude make at least onc-fourth of Bokhara rather mountainous, and supply the remainder of it with the water necessary to apricultnre. The remainder is an open plain, on which small isolated hills rise to the height of froin eight to $t$ wenty feet, with a length varying from a few yards to one or two huudred yards. These lills as well as the plain on which they stand are composed of clay, covered witl moving mand which also forms hills in some places, but these hills are of a different form and still lower. The plain is uncultivated except along the bauks of the rivera, along which tho fields and gardens cxtend from half a mile to ten miles in width.

Rivers.-The three principal rivers, along which perhaps nine-tenths of the cultivated lands are situated, ruu from east to west, and are the Zar-nfihan, the Kashla, and the Onns or Amoo.

The Zar-afohan, called also Kohik and formerly Sogd, rises in the high mountains where the Akh-Tagh and Kara-Tagh branch off from them at a distance of ahout two hundred niles cast of Samarcand, and first travcrues the valley formed by these two ranges. Near Samarcand it enters the plain, and between that place and the town of Bokhara it fertilises the Meeankal, the most populous, rich, and fertile district of the whole country. Before it reaches Bokhara it divides into two branches, of which the northern, called Vafkend, after having fertilised the country along its banks for many miles, is at last exhausted and lost in the clayey sand. The southern branch passes the town of Bokham to the north at the distance of six or seven miles, then declines to the south, and terminates at a distance of about twenty miles from the Oxus in the lake of Kara-kool. This lake, which is about twenty-five miles in circumference, is surrounded on all sides hymand-hilla. It is very decp and its water is salt, though its only feeder is a fresh river. It is connected with the river Amoo by canals of irrigation which terninate in the river near Chardjoгее.

The Kashkca, or Kirrshee, rises in the Kara-Tagh nearly in the meridiau of Samarcand, and passes through Shuhr-i-Subz and Kurnhee, below which it is exhausted and lost in the desert. The district of Shuhr-i-Subz yields rich crops of rice and cotton, and the neighbourhood of Kurshee is covered with gardens and orchards.

The Oxus (which is now called Amoo and Jihoon), after forming with its feerler tho kihulum, a part of the boundary towards Badakshan and Kunduz, runs first westward, leaving the city of Balkh considerably to the south, and then towards the north-west, and enters the khanat of Khiva a little south of $40^{\circ} \mathrm{N}$. lat. [BADAKSIIAN; 0x0s.?
The fertile lands along the Zar-afshan extend from Moodjan east of Samarcanal to Charil-jooee, upwards of two hundred miles, and those along the Kashka probably more than sixty miles: along the Amoo they are not continuous, hut frequently interrupted by uncultivated lands. The most fertile district in tho basin of the Oxus is that
which surrounds the town of Balkh, where the river Balkh, a tributary of the Oxus, is divided into numerous canals. [Balke.]
These cultivated tracts offer a very pleasing aspect. Few lands are better cultivated than these plains, covered with houses, orchards, and fields divided into small squares called 'tanab,' of which the edges are formed by a fine turf raised about a foot above the plain for the purpose of retaining the water which has been introduced into them. The numerous canals, as well as the roads, which are very narrow, have commonly rows of large trees planted alongside them. As the water of these canals does not run on the same level they form at their junction small falls, all which taken together render these tracts a very agreeable country.

Climate.-The climate is regular and constant. The summer commences at the beginning of March and lasts till October: In this season it does not rain: the thermometer rises in the cultivated grounds to about $90^{\circ}$, and in the deserts to $100^{\circ}$. The nights are cool. October is the first season of rain, which continues for two or three wceks. In Novemher and December it begius to freeze a little, and sometimes a small quantity of krow falls; but even in the latter month some fruits, as melons, are left in the gardcus. The coldest month is January, in which the thermometer generally falls to $27^{\circ}$ Fahrenheit, and sometimes to $6^{\circ}$. Occasionally the snow covers the ground for a fortnight. The rains begin again in February, and last to the end of this month. They are followed by a considerable degree of warrath, and in a few day vegetation has attained its full vigour. The mildness of the climate shows that the surface cannot be at rny considerable elevation; probably not more than 500 feet above the level of the sea. In winter and in summer violent storms blow more especially from the north-west, which raise a great quantity of fine sand, by which the atmosphere is so filled that it assumes a gray huo like a fog, and distant objects become invisihle. In tho desert travellers are not able to distinguish ohjects which are only a few steps distant. To these winds may be attributed the frequency of ophthalmia among the inhabitants. In other respects the climate is healthy.

Products.-The industry of the natives is most conspicuous in tho cultivation of their lands. The larger and the smaller canals, both of which are numerous, must have required a good deal of lahour when they were first made, and they are still kept up at a cousiderable expense. Besides this tho agricultural labour is rather more difficult than in Europe. The irrigation of the fields can only be effected iu winter, from December to the middle of March, and in summer when the rivers are supplied with water hy the melting of the snow on the mountains. Even the Zar-afshan is dry for three or four months in summer.

Rice is only eultivated in the Meeankal and in Shuhr-i-Subz. Wheat is sown in autumn, and cut in July; and directly afterwards tho ground is prepared for peas, which give a crop the same scason. The other grains which are cultivated are barley and jawaree. As there are no natural pastures in Bokhara, trefoil and the jawaree are grown for green feeding. Of pulse, peas, beans, and haricots are raised in great quantity. Cotton, which forms one of the principal exports of this country, is carefully cultivated everywhere. Hemp also is grown, but only to produce an inebriating drug, called iu India 'bang,' and from its seed oil is pressed. Oil is also ohtained from the seed of cotton and sesamum. Silk is a staple article in Boknara, and is raised in considerable quantities, especially aloug the banks of the Amoo.

On the low hills near Kursheo aud Balkh is a small yellow flower called 'esbarnck,' which is used as a dye, and produces a better colour than the rind of the pomegranate. The creeping roots of the vine yield a colour that is dark-red, and is as much used as madder, which is alsn grown. Indigo is imported from India. Sugar is not grown, but a saccharine gum exudes from tho camel's thorn, which is collected and used as sugar very extensively. Tobacco is cultivated in many places; that of Kurshee is the best. The vegctables raised are turnips, carrots, onious, radishes, brinjals, and a variety of greens; the beet-root is cultivated in extensive fields.
Bokhara is celebrated for its fruits, but more for quantity than quality. The orchards contain the peach, plum, apricot, cherry, apple, pear, quince, walnut, fig, pomegranate, mulberry, and grape. There are several sorts of grapes, and some of a very fine flavour. The raisins prepared here are not inferior to any in the world ; but the wines of Bokhara have little flavour, owing to the defective mode of making them. Mulberries are dried like raisins, and a syrup is extracted from them as well as from grapes.
In the gardens great quautitics of melons, pumpkins, and cucumbers are grown. Of melons there are two different species, and some of them grow to he four feet iu circumference. A kind of molasses is extracted from melons: Bokhara appears to bo tho native country of this fruit.

The mountainous portion of the country yields timber, which is floated down the Zar-afshan as far as Bokhara and Kara-kool in rafts. In the plain only willows and poplars are found; the latter are used for house-huilding.
Animals.- Sheep and goats constitute one of the principal riches of Bokhara. The shcop have large tails. Sheep with a jet-black curly fleece is poculiar to the district of Kararkool, and cannot be transplanted


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Tho mochanion arto are not neglestal in Ibokhare, and nome onm-
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The cowne of Siamarcabl and Ihukharm woro momo centurion ago amoue an meate of lomringe, and were much recorted to by students from all the Mohmmanelman enutrice of Amin At pronatot tho mumber of forenguers who live here for the anke of atudy in couniderable: the a dreses or collegen, are unimerout, though tho inurtruction is now Ismitad to the ady of the Korms and le numarotus aommentarics. Aner tarimy aoguinat this muck of learalng, the atwlent becouse moderris or mullan But the lower elamee of the prople are leas ievinacted than in other Molnmmedan countrios, and tho greateat part of them cas meither reed nor wrila. The Tajila, who wiah to oupploy their children in commorce, tako ennater caro of their instruetion than Uo otber triben The daidren of rich proplo learn to roul, write, and ruyeat ibe Rorats by beart.

Two language are apulen in Bukhara, the Pervian and tho Turkiah, the former by the Tajika, the Inhabitanta of tho towna, and the better Inesnucted and richor portion of tho Uxboka. The Turkial Ianguage in gemend among the Turkoman, Kirghiz, and tho nomadic Uaboka
The gurernmont in despotic, but, is it is regulated on the lawa of the Korma, the arthority of the sovercign is controllod by the ulfoma, or the oarporation of mionts and lawjen.
The khan of Bokhyrs in the mont powerful of the prinoes of Turlistan, and maintains a miandiug army of about 25,000 zuen, of which only 4000 aro lufanerj. But as a great prortion of his anbjecta are notmadic tribos, who ano alwaye noedy for military eaterprisen, and boumd to mend, if required, a oertais umaber of horsemen, be tray a wily ruien lise army (1) 90,000 or eveu 100,000 men.

Ur. Wiold ricited Bokhara in 184 to ascertain tho fato of Colonel stodilart and Coptain Conolly, who had gowo on a minaion to Bokhara, and were mported is here been murdered by the khan in 1843. Ur. Wiolf reached Bokhare ly way of Trebikond, Firz-rum, and Tolaeran, and found that slie report was trua 110 was bimsolf dotained a prinoner by the than for moveral monehn. On his rotarn to lingiand in 1545 he pablinhed a marrative of his jouraoy.
(Meyendors Pogage d" Ormbourg a Lloulhara; Inarnon, Travels into Bollhane: Borgbaun, Mop of Jran and Twron.)

BOKlisits, the capital of the khanst of Jokhars, in situated in $89^{\circ} 48^{\circ}$ N. lat. $64^{\circ} 20^{\circ}$ E loug. It is from cight to aine miles in diroumferonow, and is anid to comtain 8000 houso and 70,000 inha. bitasta: Ifurnen extinuates ils propulation at 150,000 .

The town ia of triangular ahope, and incloned by a wall of earth about 21 fect high, and as wide at its baso, but ouly 4 foet wido at the torn In this wall ane eleven gatom, buill of bricke, with a round tower on enoh aide, in which a manll number of moldiors are stationed. The windont street ruenmres bbout if feet, and the marroweat ouly S or 1 feet in width. Tho housem are built of sundried bricke on a framowork of woorl, and are all stat-roofed. They are arranged in the oriental manaer, prewenting towands tho etreet a more wall without wiadown, witb a gato ia the middle leading to a court-gned, sound Which the roomsa ane pincod, whleh gonerally neceire the light through the doom. The town is Intenceted by camals, which oonvey water from the 7ampihan. The water in afterwards distributed to 69 cinterns, ewch about 120 feet ln circumference; but thin diotribution is made only once a fortoight The pulace of the khan stande on a conical hill with a flat top, and about 200 feet bigh. It is inclond by a wall about 60 foet high, which hmo only one gato. opening into a large corridor. This corridor, formed by vaules which meena lo havo been built mary ceoturice ago, leadn to the top of tho bill, where the edifioe mand in which tho kham and hia conrt are lodged. They are componed of a monque, the dwellings of tho klian and bis obildroe. the barem, which in mnrrousuded by a garden asd conevelad by treen, and a honse in which the vizir of the khan per forme the duties of hifention; there are alen lodgings for the guard and alaren, and atablea

The tropt remarkalle edifions of Ilokharm are the monques, of which there are abont 800 ia the town alome. The priacipal monque atand "pyronite the royal palece, on the other side of the groat equare oalled Soriaten, and ooouples a mquare of 300 feek Ise dome is about 1008 oet hlgh. On the fromt briekn of ditereat colourn ane mo Ihapoand ea to form tifierent deagras of flowern tiod togother, and ochem contain noatewoes of the Koran. Tho proviiling colonr of them bricke in blace, bat thomo of the innecriptions are white. Some monquo are ouly bullt of earth. Attached to the prinelpal mosque th the ruinams of Mirglarab, which in 180 feet bigh, and ita base upwarde of 50 feet in circuanfermace It diusinishon in width as it rimas and in condilenal the finot monument of nrehitocturo in Inkluern

Ihklun containa nhout nixty medrosom, or collegen. Some aceom. modase upwanis of 70 atudenta, and eome ouly 10 ; but the total eumber of maderata momen to lie alwout 2000. Theee edifiees aro feamlly is the form of pharallelogram, two thories high, and
inclose a spacions court-yard. In each story are two rows of chambers, one having its windows and doors to the court-yard, aud the other to the street. These chambers are sold to the students, who in this manner acquire a claim to a certain yearly mainteuance from the college. The medresses have cousiderable reveuues, the whole of the bazaars and haths of the city haring been erected by pious persons and left for the maintenance of the medresses and mosques. The number of publie baths, some of which are of large dimensions, is eighteen. Several vaulted chambers are built about a large basin filled with warm water. The fuel used is small shruhs brought from the desert.

As Bokhara is the most commercial town of Central Asin much has been done to facilitate the sale and transit of merchandise Therc are fourteen caravanserais, all of them built on the same plan, though of very different dimensions. They are square buildings of two stories, inclosing a court-yard. The rooms round the court-yard are used as warehouses and let to the merchants. The bazars are numerous and extensive, nome of them being upwards of a quarter of a mile in length. In the shops with which they are lined on both sidee every sort of merchandise is exposed to sale, with the exception of woven goods, which are sold in large edifices built for that purpose. Several of them, consisting of some hundreds of small shops, coutain only the silk goods which are manufactured in the town, and others the cottons, linens, and hrocades of India, Persia, England, and liuspia.

The number of shops on the great equare, or Segistan, is likewise considerable. Tents of different colonrs are filled with the more common manufactures of the country; but the greater part of the place is a markel, in which tho fruits and grain of the couutry and all the necessaries of life are exposed for sale. The active commerce which Bokhars carries on with all the neighbouring couutries brings to this town the merchants of nearly all the nations of Asia. On the Segistan a stranger may converse with Persians, Jews, Turks, Ruasians, Kirghiz, Chinese, Turkomans, Mongols, Cossacks, Hindoos, and Afghans, beaides the Tajiks and Uzbeks, the inhabitants of the town. The Tajiks compose by far tho greater part of the inhabitants of Bokhara, amounting to threo-fourths of the whole. They are merchants, manufacturers, and artists. The number of Jews and Hindoos settled at Bokhars is considerable.

No dutiea are levied on commodities exported, and only a small duty on imports, and this is paid only when the articles are sold. Bokhara has for many centuries been a place of extensive commerce, and its geographical position must always ensure it considerable advantages in this respect. It is the centre from which six commercial routes diverge; three towards the north lead to Russia and the table-land of Central Asia, and three towands the south connect it with Persia, Afghanistan, and India.

The road which leads to the high tahle-land of Central Asia runs from liokhara along the banks of the Zar-afslan to Samarcand, and thence northwand over the mountains, passes the river, and then extends into the basin of the Sir-Deria (Jaxartes). Aloug this river it passes through the towns of Khoend and Khokand to Marghilan, and then in a south-eastern directiou to Oush, from which placa it leads by the mouutain pass of Terek to Koksoo and Khashgar. The Bokharians take on camel-back to Khashgar woollen-cloth, coral, pearls, cochineal, brocade, velvet, fur (especially of ottcrs and martens), leather, sugar, large looking-glasses, copper, tin, needles, glass, and some iron utensils. They hring back in exchange a great quantity of tes, china, somo silk gools, raw silk, rhubarb, and silver. In this branch of commerce from 700 to 800 camels are employed.

Two roads lead to Iussia; one on the east of the Sea of Arnl, across the desert of the Kirghiz to Orenhurg or Troisk; and the other down the valley of tho Oxus, between the Aral and the Caspian, to Astrakhan. From the towns mentioned on the Russian frontier the goods are transporterl to the fair of Nishnei-Novogorod, where nine-tenths are sold. The Bokharians bring to Russia rhubarb, raw cotton, cotton goods, skins of martens, lamb-skins, fox-skins, dried fruita, silk goods (especially for morning dresses), carpets, Cashmere and I'ersian shawls, and tea; and take in exchange cochineal, spices, sugar, tin, sandal-wood, woollen-cloth, leather, wax, iron, copper, stecl, small looking-glasses, otter-skins, pearls, IRussian nankin, utensils of cast-iron, needles, coml, cotton-velvet, cotton-handkerchiefn, some brocade, glass, and a small quantity of linens and Indian muslins. They employ 3000 camels in this trade.
Three roads lead from Bokhars to Pcrsia and Afghanistan-one to Meahed, the second to Herat, and the third to Cabul. The Bokhsrians bring to Persia a portion of the goods imported from Russia, benides raw cotton, silk, cloth of their own manufacture, woollens, spices, and rhubarh; they take back the common shawls of Persia used in lbokharn as tnrbans, girdles of a yellow colour, wooden combs, carpets, and turquoises. Abont 600 camels are employed annually in this brnnch of commerce.

The road to Cabul passen from Bokhara to Kursheo, and thence through a deacrt to the Amoo Derin, which it passes at Khojusaln. llence it turus eastward, and passes through Balkh and Khulnm, from which latter place it runs southward along tho river Khulum, till it enters the liodu-Koosh. Beforo it reaches Cabul it traverses the
valley of Bameean. This road and its continustion through P'echa-
wur, Attock, and Lahore, connects Central Asia with 1ndia. The commerce along this route is entirely in the hands of the merchauts of Cabul, and of the Hindoos of the Panjab and Shikarpore. They import shawls from Cashmere and Cabul, silken brocade, fine muslins, pearls and precious stones, and a great quantity of indigo; and export raw cottou, paper, iron, copper, glass, cochineal, and some of the goods manufactured in the country.
(Meyendorff and Burnes.)
BOLAN PASS. [Afghanistan; Beloochistan.]
BOLBEC. [SEine lnférievae.]
BOLCHOW, or BOLKHOV, the chief town of the cirele of Bolchow, in the government of Orel, or Orlov, in European Russia, is situated at the conflinence of the Nugra with the Bolchowka, feeders of the Oka, in $53^{\circ} 26^{\prime} \mathrm{N}$. lat., $35^{\circ} 53^{\prime}$ E. long., and has about 14,000 iuha. bitants. Though most of the houses are of wood the town is well huilt. Its foundation is of remote date, for it was au ancient family possession of the Russian sovereigns. It coutains 22 churehes, 14 of which are of stone and 8 of wood, a monastery, and the convent of Nova-Petsherskoi. The town has manufactures of leather, soap, hats, shoes, gloves, stockings, \&c., and carries on a brisk trade with the interior in hemp, rape-oil, tallow, hides, colonial produce, shoes, stockings, \&c., together with fruit grown in the immediate neighhourhood.

BOLINGBROKE. [LINCOLNSHIRE.]
BOLI'VIA, Republic of, South Ainerica, was originally called Upper Perr, and formed a portion of the viceroyalty of Buenos Ayres. Being soparated from the more populous parts of Buenos Ayres by the desert of Chaco and a very rugged and dreary mountaiu region, it had little in commun with that state, and it consequently soon separated from it after the subversion of the Spanish authority. The repuhlic declared itself independeut on the 6 th of August, 1824 , and assumed the name of Bolivia in honour of General Bolivar, on August 11th, 1825.

The nurthera boundary of Bolivia is formed by tho parallel $10^{\circ} \mathrm{S}$. lat. from the river Purue on the mest, to the peniusula formed by the confluence of the rivers Sarare and Mamoro, thence called the Medeira, on tho east. The most southern point is on the shores of tho Pacific at the Bahia de Nuestra Señora, between Punta del Norto and Puuta del Sur, about $25^{\circ} \mathrm{S}$. 1at. It consequently extends over 15 degrees of latitudo, or upwards of 1000 miles from north to south. The most eastern part is contiguous to the river Paraguay, where after leaving Brazil it forms for some space the boundary hetreen Bolivia and Parnguay, aud extends to $57^{\circ} 30^{\prime} \mathrm{W}$. long. The most western portion of the repuhlic borders on the Pacific at Punta del Norte, about $70^{\circ} 30^{\prime} \mathrm{W}$. loug. Bolivia is boundel on the west for about 250 milea by the Pacific Ocean; the remainder of its western and north-western frontier is formed by the republic of Peru. It borders on tho northenst and east on the empire of Brazil, except the most sonth-eastern corner, where it joins Paraguay. To the south of it extends the republio of Buenos Ayres, and where it approaches the Pacific that of Chili. Under the parallcl of $22^{\circ}$ the extent of the country from east to west may be about 750 miles, hut towards tho north it is less.

Surface, Population, dec.-The area of the repuhlic of Bolivia is estimated at 318,750 square milcs. The following tahle shows the area of each of tho provinces, and also the population according to the semi-official estimate of 1843 , the latest which gives the number of inhabitants in the several provinces: a more recent return gives tho eutire population as $1,330,000$.

| . Departments. | Chief Towns. | drea in sq. miles. | Population. |
| :---: | :---: | :---: | :---: |
| Lat laz . . | Ia Paz. | 39,950 | 300,000 |
| Orúru . . . | Oruro . | 8,500 | 80,000 |
| Potosi . | Potosi . . | 31,875 | 200,000 |
| Cochabamba . . . | Oropena . . | 55,250 | 250,000 |
| Chuquisaca . . | Chuquisaca. | 34,425 | 175,000 |
| Santa Crus de la Sierra | San Lorenzo | 148,750 | 25,000 |
| Total . . . | - . | 318,750 | 1,030,000 |

As noarly the whole of this country is situated withiu tho tropics it might be expected that its climate and productions would curreapond to its geographical situation; but perhaps not more than onehalf of its surface has a tropical climate. The other half is occupied hy high mountaiu ranges, table-lands of great olevation, high valleys, and widely extendiug slopes. This mountainous portion of Bolivia helongs to tho great range of the AxDes, uuder which head will be found a general description of it.

Where the Andes running from south to north onter Bolivia they send off at ahout $24^{\circ} \mathrm{S}$. lat. a lateral hranch to the east, which exteuds to a great distance, and separates the affinents of the lio Bermejo from those of the Pilcomayo, both of which fall into the Paraguay on its right bank. This lateral mouutain range, which constitutes the southern boundary of Bolivia and separates it from Buenos Ayres, does not rise to a very great height, but is extremely rugged and barren. The principal chain of the Audes here runs nearly south and north, and contains some peaks which rise above the snow lino. The Nevado de Chorolque ( $21^{\circ} 80^{\prime}$ S. Jut.) is said to rise to 16,548

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The regctation of thio ralley bae eleo a very peculiar charachr. Thene aro bo trven, bat the lower dintncta, exjecially noar the great laka, are coreovd with the mont beatiful green turt whore tbo land ie not cellilratal. Tho cultivation is limaites to a fow thingn: whent, rya and lasley aro ibdnord mwn, but they do not ripen, and aro cut krom en forliler for the llawase The plartationa of quinoa (Cheno gedima Quinoa. limn) aro extennire, aml also of potatoon, which are found growing rikl lo antme wone elevated places: thene plantatione exteml to a onmiderablo divtance up the siden of the ardjacome hilln. There ano no peculiar momone for sawing or liarreak, mal the mativen ane continually oncujped cither in performing the ono or the other ojontion. The country which extende between the ridgos of hilla and the high surgew containe for tho most part undulating plains curered witl a comon gran, on which nusnerons horda of llamas aro feal. 11 ore almo tho ginamacon, alpaces, and vicuhan foed is a will atnte Iksidea these no widd anmale hare been obearved in the valley of the lhomstualero, excopt a peculiar kind of chinchilla, tho Lagotis Carieri, and the Iaguatomun (the vinomehas or biseacho of the maives), which in mane ghans han no burrowed the moil an in rander travelling on humelmok nimafe. The lake of Titicaca abounde in fah, and numeroue binls rinit it. The condor in frequently met Whth on tho snomulaids Ainong tho spontancous plantis the ruahes which grow along the lanke of the lnke deverse to the noticed, an the entine want of troes hae compelled tho nativos in apply thern to nearly as many usom an tho liarmboo is applied in India. With theeo ruabes the natiree build their buts, and mako tho boats and maila with which tbey unrignto sho lake; mats made of them aro tho Leet of the poor, and sarve in the bousen of the rich me carpeta.

From thin ralley dx mountain pamen traverse tho Weatern Corlillora to the lncific Ocens. Their higbent points rise to nearls 15,000 feet abuve the son, and oonmequently they are not inferine to the mountain pames of tho llimalaya in eleration. The ascent to theso pance from the ralleg is ouly 2000 feet, and the slope in gentle but the demcont to the son is exceorlingly rapiul. Tho higheat point of the great range boing clove on the maritime doclivity of tho Consillers, ad conoequently at mu inconsiderable distance, not exceeling 60 miles from tho moa, tho dewent in extremely precipitate and abrape

That portion of Bolivia which extende between the Anden and tho l'meife, in length 230 milea between San Tallal l'oint, the mouthern angle of the Bahin do Niuestra Sehom, and tho monall river Los, ham been deseribed ander Atacama, by which name it is known. It is for the mont part a burren waste, but there is fertila Innll aloug the narrow rallege and river coursen. The cont about IBahin de Nivastrn Sehora is low amsl rugged; from thence to Jara llead the const rums in a direct line for sie milen, the shoro boing stecp and rocky, nod lancked with billa from 2000 to 2500 feet high. liarther north is tho apacioua lhay of Mexillones, 8 miles ncrum, and afforling ameliorage off sho wertern sile; but it in of little uno an the aliore is steep, and neither wood nor water is to bo olitnined. Thirty miles north. cant from Loading liuff, the northorn lieadland of Mexillonee Bay, is Colijn lay, the only port of the republic of Bolivim la thin bny is the town of thuerto do la Mar, hetter known ae Colijn a poor place of sbout 1400 inlumblants ; it is an inconreuient placo for shipjuing an it is ill mpppliod with water, whilo regetallen eren for tho conoumption of tho indabitants aro bronght fronu Vialparaino, a distance of "00 miles North of Cobijn May nno soveral mhallow knudy bays with rocky poiala. Algoxlon Hay, 25 milem from Cobijn May; is che first place whlch afforile any arichorage. Alrout 10 mile farther io Cape San Francinco or Paquiqul, on which ie an extensive bed of gunno, which lina been largely workel. Somowlint farther in l'oint Aremon, near whlch is a fiabing villnge; and 12 milem farther in tho gully of the lou liver, which form tho boundary-line between Tholivia and Pera.

1By far tho grentent part of Bolivis in situated to tho enst of tho Auden, end tbio portion may bo divided into the momntainuus dintrict and the platra. The mountain dintrict exteads along the matem aifle of the Andew, and is wot of great extent to the north of $11^{\circ} 10^{\circ}$, becane the elope of the linetern Corrlillera Lowards the plaing le nearly an rapid an that of the Wecterni townodh the sea, and the brachis which this chain seada off extend to no great dintance from the principul rauge. llut nt about $17^{\circ} 10^{\prime}$ S. Int, a mountais rango elotaches liaclf from the liantorn Conlillera, which rume generally due ean for upwarle of 200 milon, This hranch risets noar the city of Cochabamla, alsove tho lino of perpotual snow, in tho pointed reak called Sierndo de Tinaire; farther emstwand it Fridually declinen till it torminaton on or near the bankn of the lkio Guapui or Cruade, at no great dintance wont of the lown of Santa Crus do la Biorta. Thia chaia in commonly called the Sierra of Santa Crut lhetwect this ridgo and that forning the boundary-liue Wwarin lhueaon Ayren, whichs wo havo alrearly noticed, extenda tho mountainous portion of Fiuktern lholivia its weatern boundary may Ine fixed at alout 6.3. W. long. Thls country is traversed hy many lateral ridgen, which are offocta from the grat chain of tho Aades, and form extomaivo rallegn. Maus of theso rallogs sink alowly, and of en muntain thernalren for a condilerable extent at nearly the mome elevation. Thin cincumanace, an well ar the width of the valloys, reader them particularly fit for agriculture, and for the cultivation
of tropical as well as extra-tropical productions. Many persons have cousidered these valleys as the most fertile, and the most beautiful parts of South America. Here the slopes of the mountains are generally covered with fine trees to a great height. South of $20^{\circ}$ however the valleys are narrower, and the ranges whieh inelose them are without wood, and nearly withont vegetation.

Hydrography.-No part of America has a greater abundance of water than the region east of the Andes. The rivers whieh descend from the eastern declivities are very numerous and contain a volume of water which cannot be exhausted by irrigation. These rivers are amony the most distant heads of the Amazonas and La Plata rivers. The Cordillera Real contains the sourees of the greatest of the tributaries of the Amazonas-the Rio Malcira. This large river is formed by the junction of two considerable streams, the Rio Beni and the Rio Mamore, both of which descend from the Cordillera Real and unito thnir waters between $10^{\circ}$ and $11^{\circ} \mathrm{S}$. lat. The upper branehes of the Rio Beni aro the Rio Caca, the Rio Chuquenpo, and the Rio Quetoto. The Itio Quetoto, the most southem of them, rises where the Sierra de Santa Cruz detaches itself from the Eastern Corlillera, and taking a north-east and north course enters the plain, where it soon ineets the Chuqueapo, which has its origin in the valley of the Desaguadero to the north-west of the Nevado de Illimani. The Chuqueapo, which is only provented by a low ridge from entering that river, after having passed the towu of La Paz, traversee the great chain ( $16^{\circ} 55^{\prime}$ ) through an enormous chasm. It then runs for nearly 100 miles through a fine palley and joins the Qnetoto on entering the plain. After this junetion the river eontinues its northen course, dividing the mountainous country from the eastern plains till it meets tho Rio Caca. The Cnca, under the name of Mapiri, rises likewise in the valley of the Desrguadero, at no great distance from the Nevado de Sorata towards the west, and running first north and then enst, travertes by a deop chasin the Cordillera Real north of the Nevado de Yani, a high mow-capped peak. During a very tortuous course the Mapiri is joined by a great number of streams which descend from the eastern declivity of the same Corlillers, and by their union the Rio Caca is formed. This stream joins the united rivers Quetoto and Chuqueapo about $13^{\circ} 30^{\prime}$, and the rlver formed by their junction is called Beni, whieh name it preserves in its northern and north-north-eastern course to its junction with the Mamore. Thus the Beni bringa to the Badcira all the waters from the eastern and from a portion of the western declivities of the Cordillera Heal, as well as a portion of those from the Sierra de Santa C'ruz.

The other great branch of the Madeirn, the Mamore, rises under the name of Cochabamba in the westera extremity of the valley which bears the same name, and is distinguished by ita eultivation and its numerous products. It first runs east by south and afterwards due cast, when being wwelled by many small rivers it assunes the name of IRio Grandc. It afterwards makcs a very large semieireular sweep, by which it arrives at the town of Santa Cruz de la Sierra, whence it runs north-west, aud after uniting with the Chapare at about $16^{\circ} 30$ receives the name of Mamore, and by degreen ehanges its nortli-west course into a north ono. The Chaparo is formed by four or five ntreams deseending from the nurthern deelivity of the Sierra de Santa Cruz. Beforo the Manore unites with the Itanez, a large river which rises in the western parts of Brazil, it reccives the waters of the Yacuma, whose mource is at no great distance from the banks of tho Hio Beni, and which runs throngh an extremely flat eonntry. The Itanez [BraziL] is increased beforc its junetion with the Mamoro by the river Ubahy, which rises in a lake called Laguna Grande, in the country of the Chiquitos, and is thereforo alsu called Rio de Chiquitos. After the junetion of the Mamore with the Itanez, the river eontinues its uorthern course till it meets the Ibeni near tho north eastern angle of Bolivia, from which point the river has the name of Madeira.

The waters whieh deseend from the eastern declivity of the Andes sonth of $18^{\circ} \mathrm{S}$. lat. go to the Pilcomayo, one of the principal brauehes of the La Plata Iliver. Thu Pilcomayo rises on the sonthern deelivity of the mountain knot called Cordillers do los Lipez, and runruing generally due east, is soon increased by numerous other streams, nome of which aro considerable, as the Saul Juan, which rises about $22^{\circ} 30^{\circ}$, and falls into the Pileomayo from the south; the Paspaya, whieh rises in the neiglibourhood of IPotosi on the southern declivity of tho Hantern Cordillers and soou becomes navigable; and the Cachymayo, which rises not far from the souree of the Coehalamba, and traverses the beautiful and well-cultivated valley of Chuquisaca. After the junction with the Caehymayo, the Pileomayo continues ita castern course for about 100 miles, when turning suddenly to the south it enters the desert called Crande Chaco, and leaven the territorien of Bolivia.

The whols eastern portion of Bolivia, from the bauks of the Pilcomnyo an 1 the frontier of Buenos Ayres to the junction of the Mamore and Beni, in one extennive plain, broken only by a few isolated ranges of hills whieh from cast to west extend about 200 miles, and from snutheast horth-west upwards of 700 miles. In tho southern part of this plain lies tho watershed betwoen the affisenta of the Amazonas liver and thoso of the La Plata, but it does not appear to rise to auy great leight above the nea. This plain is principally watered

GEOO. DIY, voL II.
by the Beni, the Mamore, aud the Ubahy, which in the rainy season, from October to April, inundate the conntry aloug their bauks to a censiderable extent. In many plaees there sre lakes, and though none of them are very large, the exhalations, uuited with those from the inundations, render the climate excessively humid. This humidity, added to the heat which prevails all the year round, gires rise to many dangerous diseases, and renders this plain very unhealthy, especially for Europeans. This part of the republic has consequently been almost abandened by the Creoles, though its great fertility would better repay the labour of the cultivator than any other district of the country. Immense forests of high trees cover nearly the whole of these plains, but their valuable products are neglected, except that a considersble quantity of eocoa is gathered by the natives and brought to the towns of San Lorenzo de la Frontera, La Paz, and Cochabanba The plantations consist commonly of mandioc aud maize, those of cotton and rice bcing rare, but all the other tropieal productions might be cultivated with great advantage.

Climate, Soil, Productions.-The climate of the different districts has been notieed in our description of the surface. Rain never falls ou the coast along tho Paeific. In the valley of the Desaguadero, in the mountain region, and iu the plains, the summer is the rainy season; but the rain is continual only in the plains. The mountains arc subject to tremendous hail-storms ; thunder-storms are also peculiarly severe in these elevated regions. In winter the traveller is subject to a temporary blindness called 'surumpi,' which is eaused by the rays of the sun being reflected from the snow, and rendering the smallest ray of light absolutely insupportable. Larthquakes are very common along the coast of the Pacific, less so in the valley of the Desaguadero aud tlie mountain region, but in the plains they lisve not been observed.

The scanty productions of the valley of the Desaguadero have been noticed. The few places on the coast which are eultivated produce no grain but maize, cxcellent fruits however grow, especially figs, olives, and melons, besides pomegranates, plantains, and algarrovas (Prosopis dulcis, Humb.), a kind of pulse, which grows to the length of a foot, with its seeds enveloped in a substance like cotton, whieh is esten. It is of a sourish taste, but very cooling. Cotton, a little sugar-cane, and the A rundo donax, of which there are large plantations, aro also cultivated.
The other portions of the republic, especislly the beautiful vales watered by the Cochabamba and Cachymsyo, are more fertile. As the levcls which occur along their banks are at different elevations above the sea, they abound in all the fruits, grains, and other agricultural productions common to Europe and to tropical eountries. Among the spontaneous produets are cocoa, sarsaparilla, different species of vanilla, eopaiba, balsain, and caoutehouc. The mighty forests which line the rivers abound in the finest timber for all purposes, especially forship-building, and in trees whieh distil aromatic and medieinal gums. The plantain is fouud in abundance; and there is a specics of einuanon called by the Crooles the Canela do Clavo, which only differs in the greater thickness of the bsrk and its darker colour from that of the Last Indies. Cotton, riee, tobacco, indigo, sarsaparilla, copaiba, and other medicinal drugs grow abundantly east of the Andes. Througlout the valleys of the eastern slopes of the Andes, below the levcl of 8000 feet, vast qusntities of the cocs (Coca eryehroxylon), are grown. The plant grows wild, but it is also largely cultivated, the dried leaves being employed almont universally by the Indians of Bolivia and. Peru as a uarcotic. Aceording to Dr. Weddell $0,600,000$ Spanish pounds are annually produced in the district of Yongas alone, whilo nearly one-twelfth of the entire revenue of Bolivia is derived from the tax on coca.

Besides the animals peculiar to the valley of the Deasguadero, thero are the tapir, the jaguar, the leopard, six or seven sorts of monkeys, and several amphibious creatures. Of domestic animals, there are horses, asses, and mules, but for sheep the climate is too warm. Great herds of horned eattle find abundant pastures on the banks of the rivers in the plains.

Among tho birds luavo been noticed many differeut kinds of parrots, several species of turkeys, and a multitnde of leautiful singing birds, as the thrush, the whistler, and the maltico, remarkable for its plunage and the sweetness of its note.

All the rivers, but especially those of the plains, abound iu fish.
Gold is found in abundance in many places, but especially on the eastern deelivity of tho Easteru Cordillera, where it is washed down by rivers which ran betwcen slato mountains in narrow ravines. All the waters descending from this range, whieh fall into the Beni or its branehes, carry down gold sand, but more particularly the small river Tipuani, which falls into tho Mapiri. The mines of Potosi have long becn considered as the richest in the world for their produce of silver, but they aro now little worked, whiels is also the case with other silver mincs. Copper is abundant : at Corucuero, a small placo about 70 miles from La Paz, enermous masscs of native copper are found crystallised in the form of perfect cubes. This ore though it is said to contain seven-eighthe of puro eopper, is of searcely auy use, being found in very high mountains and at a great distance from tho coast. Bcsides theso metals thero are ores of lead and tin ; and saltpetre, brimstono, and salt.

Pulitical Divisions.-The republic of Bolivia is divided into six departmenta:-

1 The dopartanal of Le The extende ores sho borthern half of

 conbend the smovoen valloy whit ito on the ewtem drelivity of ther mime od that purtion of tho prata to the weet of the 11 for

 grantif of poll mad It orotale caly upe towti of importance, the -athl la ltas
\$1 The department of Oraso lime letwoon la fas and I'otoni : the
 the out it ecolaime tion ocachore part of the valley of the 1 leangrualero.
 seariy 11,0 foct obore the and containe ceveral churchen and - wrinta la che miethonshood coosklerablo ailver milncen are worked.
 the fiacter Cordilters, and rime in the monntaln paen of Tolapalin to 14. 113 foert.
111. The doperimeat of Poconi comprelemeds the zows southern port of folivis macaly. the whole of tho ecmet along the ltheific, the titg meth of tho ralley of the Deogrudero, and tho southern
 Fimety the bole of fic earfece to corered with mad or larren gunstima bet es if comentan mumarone soines of silrer at Potuai and
 On evalsy duat thom is more populoun thas any part of the mpeblas exnert the rallogn of the Cachymayo ond Cochabamin.
 ples

Thedeprernent of Cochat-mble comprehends the grestest pert of the ride and Eelleulurasal ralley of the Cochshambe or Guapui, the Siorre do Sane Crut, asid the ilne vallers which lio on the sardhora dedivity of this chmis. Hivery kind of agricultural proiluce th bete grow in abresfames, and in eome of the rivers which fall into the Chagert golld is collocied. The capiend of shin departrment, O-paes, comentan abost 16,000 inhubitames, and is the mout industrious of the sowe of Thalivis, the manufacture of cotcon goots and of fing beang earrial on co mome exteat Jany of the dnelling-houses aro lares. asd there ano erveral coaveatn and churchos it il situntod at the wethera extramity of tho departanent in a fine valley traversed by the Codorilio, a brasch of the Cochabambe. Tho amall town Coctinbala frow which the delartment han received its namo, lies - ibo thate of che river Guafrit, of Cochabembe
V. The department of Chequimen, or Charcas, extends orer the - inathinou conatry batwem the rivera Inapaya and 1kio Grande de W 1hate, the mhloh the velbey of the Cachymaso is comprebeaded in all fe entest and a gret provion of that of Cochebembe it contains come comastemble misne, ased in one of the moat jropuloun prortions of Hhe rha oo ecount of the fertility end the hevleffulnev of ita eltanta Tho prineipl cown, Culegtiacs, is the capital of Bolirin
il The deprartment of Santa Cruz do la Siern is by far the largoant, ant extenth orer masiy the whole plato which constitutee the mutoras juet of lboltrie The grater part of it is atill occupied by Independent coibe of lasiana: and otber dintricts, whore the Croolea hal formerly anthed, bavo bee abmolomed on account of their unhcalthincea. Tho epritel? \&om fermes de fe Frobere, not fir from the ohl town Sunte Crose do lo Xiam, on the lants of the Jio Urande do In Jlata, han coly about 8000 irnhabitanta
fastucate - The inhebitante of Bolirim are cotn posed of aboriginer, and of people of foreugh extraction. Tho alwrigises form prubably mere thee threfourthe of the propruletion. They may ho divided tres thow =ho speat tho Quichue language and thom who spenk difircues dabech. The Quichua languano prevall ataong all tho fabatilatele of the coent mad of the ralloy of the 1 heaguadero. Agrioultes had ham eloptal by them lafuro tho artiral of tho es firme and orm of firwat it is thair firisclpat if not thefr Thy tuo Ime ceovertad to ko Roman Catholic faith, but recaln nenemealo of ebels anciant religion. Tho natlven who do not
 A cion and tbe plater ratiodiag to tho ent of them. They are divided
 poriace of Hosoe alobe there are thirtera crition Bome of them






 roub oll irclia and ot pato. and go polat.

The inlatrante of furmafe eatreation are eiflber the deunedante of

 rally of Une Coatobent and Cachy IFlow, whe dhey may le wid



Whod are few in aumber, trit the mixed mom, which owe their origin to a kixsture with aegnoes, aro anmeroun on the const ; much loas so In the mimlak dustricto: and in other purta very fow of themaro found. The bulk of tho population is oonoeutrated in two lenger and eeveral tamiller vellega lmmanmo Irach coladit of larrab domerta, othorn though fortile are not cultivated, and noarly uninhalitod.

Commerre, Jfonmfuetures.- No cuuatry perbaps is under groater dimbantagen with rempect to commenclal jutercoume with furviga countries than Bolivis, though pomening a const of 250 miles, with povoral good harbours Tho purt which is coutiguous to tho oome in - aundy devert, which protuoes nothiug fit for a foreigu innerket, nud it is mevarmed frosn the rest of tho coustry by a chain of bigh and nearly tropesable wountains up to the parallol of Potoui. Tho unly road which counocta the come with tho internal districte of the refublio rums on tho comparatively level country song tho shoren, aud pames to the ralley of tho Desagumero by the jase of leras $\left(1 y^{\circ} 45^{\prime}\right)$, which rines to 11,210 feot, and thonce rums to Orbro and La l'sz. 13ut this rom, like all others in this country, in only practicable for mules and llamas, and cousequently does not allow tho tranapurt of very heary or very bulky commodition. To go from la Paz to tho moro populous dintricts on tho castern side of tho Fantern Cordillera, this lugh chain must bo travernod by tho juas of Pacuani ( $10^{\circ} 837$, which rinas to $15,223^{3}$ foel. Another mountaiu pmes which leads frow Orfiro to Chuquiacs, which rises to 14,700 feet, in called the pass of Challa $\left(17^{\circ} 10^{\circ}\right)$. The dificulties oncountered iu travelling from the prort of Cobija to Orúro aro so groat, that though the Bolivians lase declared Cobija a froo port, they laardly uso it, and prefer importing the amall quantitien of fonvigu commoditien for which there in a demaud through Arica and Thena Few foreign commodities aro inmportad into Ibolivin They are chiefly iron and landware, with a fuw arsicles of fimery, os silk, de. Tho oxports ano nearly altogether linited to the precioun metals, and to different kinds of woollens, mado of tho wool of tho llaman and alpacas, and to hate mado of tho wool of tho ricunas. iu June $1 \leqslant 32$, tho narigation of the rivers of Bolivia flowing into the Amazoman and La l'Inta was declared freo to vemsols of all nations.
Being an it were excluded from foreign counmerce the Bolivians aro obligod to antiafy their wants by their owu iudutry. The manufac turen of cotton aro tho mont extensire. Tho better kinds aro made in Oropresa; but in many districts the ladians make great quantities, Which are conro though strong. Next to these are tho woollens, male of the hair of the llamas and alpacas. The cosurser kind, called "hanmcas,' is uned by tho lower classen for dress and likewise for Ulnukets: tho finer corts, called 'cambis,' are cmbroidosed with great care, and used as carpets by tho rich. The host are mado at la Paz and are very dear. At San Francenco do Atacána very fine hata are made of tho wool of tho vicuub, and at Oropeen very good glass is made. In aomo towns in the neighbourhood of the silver-mines they make voasele of silver-wiro, which aro not withont elegance.

Gorcrnment, Finances, dec.-la 1825, when Buenos Ayres bad renonnced its claim on Upper P'ern, and the repreaentatives of thu country determined to form an independout atate, they adopter! a constitution propnsed by Bolirar, acconding to which tho executivo power vas to be placod in the liands of a prealdeut clsosen for life, and the leginlative was to consist of three bodies, tho senate, tho tribunes, and the conmors, At the mame time Bolirar was chosen providont. In tho following jear a succensful revolution occurrod, and IBnlivar's conctitutiou wan supermodod. Since then there have been numerous chauges, nomotimos merely of dictatoms, bit at others in the form of governusent. Tho jenm 1517,1848 , and 1842 wore consumod in civil war; and the country lan leen over nince in a moro or lum unoolted atate. Tho leginlativo power ls lowever atill at leant nozalually vemel in threo borlies, tho executivo being in tho bande of an elective jeremident of the financen of the country we have no very diatinct mocoumh. Tho sational deht in amill to mzoumt to about 1,054,\$131. (5,424, i16 pientran), Including tho aum roguirest to disclarge the armars of isterowt unpmid ance 18 th $^{7}$, but wo believe that It duen not juclute the whule of the sums borrowed by the treasury, Aocordiang to a statement pulilinded by tho government tho revenue In 1850 manounted to $395,2131,(1,076,217$ pinatrea $)$, while the expendituro whe $367,743 \%$ ( $1,788,741$ pinatrea). The meanding arms is limited to 2000 rmen. Tho country is coclesinatically divided into the biahoprice of Coclatmmia and Santa Cruz de la Sierra, but there in no entablishod eluurch.
(l'entland and larial, 㽞 Benyr. Jowr. vol. v.; Megen's Fieise um die W'dr: Captaing King amd Fitenoy's Sailing Directinas for Sowth dmericu. prubliahoal by tho Adairalty; Capuain Ihasal llall; Tomple; Avans: Bon Tecburld, Aca)

IWOLOM 13 NA , the mocome city in the Sinter of the Church, in aituated
 and 80 undes X . hy Fi frosn Florence, In a plain north of the Apen. ninee, and lectwent the rivon leno and Siveon, atul has a population of alnout \$5,000. A canal, called Nariglio, narigable for bargon, connecta ikologma with Firtara, from whence, ly mesm of the I'o, the Adige, awd the Intermediota conals the water communication exteuds to Frafo Bologna in a thriviog city, with an indumerions population: the blaber clavon, whon conviot chiefy of landed proprictom, are wolsliy. Many moble familses romile at loologga, whero they have tbe palacen, mone of which cumtain valuablo galleries, and are decoratod
with fresco-paintings by the great masters. The palace of the Podestr, in which Hentzius, son of the emperor Frederick II., and nominal king of Sardinia, spent in confinement twenty-two years of his life, and in which he died in 1272, containe the archiree of the city. The Palazzo del Pubblico, a large structure, is the residence of the cardinal legate aud the scat of the various courts of justice. In the square befere it is a haudsome fountain with the colossal statue of Neptune by Giovanni da Bologna.
Bologna abounds with churches, most of which are rich in paintings. The church of San Petronio, a magnificent though incompleto gothic structure, which was fonnded in 1390 , has a meridian line traced on its parement by the astronomer Cassini ; the interior, which consiets merely of nave and cheir, is richly ornamented with sculpture; and the three canopied doerwaye of the unfinished façade are covered with marvellous clusters of beautiful bas-relicfe, representing the main subjects of the Old and Now Testaments in etone. The central portal was completed by one man'e hand-that of Jacopo della Quarcia Charles V. was crowned in San Petronio by Pope Clement VII. The cathedral of Sin Petro is rich in worke of art. The church of San Domenieo contains several fine monuments, including those of San Doznenico by Nicolo di Pisa; toml $1 / 3$ of Hentrius, of Taddeo Pepoli, of Guido and his pupil Elisabetta Sirani, of Couut Marsigli, and other illustrinus iudividuale. The adjoining convent is the residence of the tribunal of the Inquisition. The church of San Stefano, one of the oldest and most interesting religious edificee in Italy, consists of no lesas than seven churchee united. One of these, dedicated to St . Peter aud St. Paul, dates from A.D. 330, and all of them are decorated with Greek frescoes, oil-paintin's, aud worke of aneient Christian art.
Bologna is eurrounded by walls about six miles in circuit, and has twelre gates; except in the older quarters of the city the streets are tolerably wide, and moet of them have low arcadee on each eide to shelter pedestriane from the eun or rain. In the centre of the city, ncar the Foro de' SIercanti, or Chamber of Cominerce (a fine gothic etructure, built in 1294) are two lofty towers, the highest of which, called Asinelli from the name of its fouuder, is 256 feet high; the other, Garieenda (which is alludel to by Danto in the 31st canto of the 'Inferno'), is only about one-half of the height of its neighbour, but inclinee on one eide about nine feet. The Asinelli is also a little out of the perpendicular, though in a much elighter degree. Both towers date from the 12 th ceutury.
The University of Dologna is the oldeet and still one of the first in Italy. Its origin is etated to have been under Theodosins II., and it is said to have been restored by Charlemagne. We find it enjoying great eelebrity early in the 12 th century. It has the following classea, theology, medicine, law, philosophy and mathematics, and bellee lettres. The faculty of medicine has the most and the best filled chairs. The university is eetablished in a noble palace (in which the Institute of Bologna bas its apartments, library, and eollectione), built in the Strada San Denato by Cardinal Poggi in the 16th century. The building was purchased by the Senate of Bologna iu 1714. The great linguist, Cardinal Mezzofanti, commenced his earcer as libsarinn to the University of Bologna. Aunexed to the university are a museum, a botanical garder, an anatomical cabinet, and a library containing 80,000 volumes ( 20,000 of which were preeented by Pope Benedict XIV.) and 4000 manuscripts.
Besides the library of the university, the city of Bologua lass a publie library, the legacy of Father Magnani, whieh occupies three rooms of the convent of San Dumenico, and contains 83,000 volumes. The acaderyy of the fine arts has a eplendid gallery of paintings, chiefly of the Bolognese echool, which was founded by Franco Lolngnese, a follower of Ciotto, in 1313; arrived at great eminence under Francesco Francia in 1585; and reached the culninating point of its fame undsr the Caracci and their illuetrious pupile Domenichino, Albane, and Guido towards the end of the 16 th and the beginning of the 17 th century. The Roman and other Italian echoole are each represented in the gallery by a ferv mister-pieces. The Instituto delle Scienze, founded by Count Marsigli, has an observatory. The Philharmonic Lyceum, in which 100 pupile are maintuined at the expense of the town, possesses a valuable musical library of 17,000 volumes, collected by Father Martini, a Bolognese composer of the 18th century. The College Venturoli, founded in 1825, is devoted to students of architecturc. There is also a college for Spanish etudents, founded by Cardinal Albornoz; and another for Flemish eturdenta, who are eent here by the goldemitles company of Prussels, It was founded by John Jacobe, a Flemish gollsmith, and a friend of Ginillo. Tho Scuole Pie, or public echool for tho cliildreu of the poorer classes, is a fine building by the Bolognese architect Terribilia. The university was held in this building before it was transferred to the jalace of tho Institute above mentioned. The childron are taught gratuitously Latin, arithmetic, singing, and drawing.

Bologna is an archbishop's seo, and the series of ite bishope ascends to A.D. 270 , when St. Zamn was ite first biehop. St. Petronius, who lived about A.D. 430 , was the tenth bishop of Bologna. Among the distinguiehed natives of the city are no lose than six popoe and nenrly one hundred cardinals. The city and tho province of Bologna are adminintered by a carlinal legate appointed by the pope. The court of appeal for the four provincea of Bologna, Ferrara, Lavenna, and Forli sita at Bologna, and consists of six judgon.

There are several manufactures of silke, paper, and pottery. The large sausages (mortadelle) of Bologna have a loug established reputation, ae well as its liqueurs, jame, and syrupa. The people of Bologna are frank and fond of gaiety; the lower classes are noisy, and their dialect is the most uncouth and rough sounding in all Italy. The women are generally good looking. There is a casino, or assemblyrooms fer the nobility, besides reading-rooms and private conversazioni. There are eeveral theatres, at which eome of the best per formers of Italy are generally engaged.
Outside of the walls, the Campo Santo or cemetery contains many handsome monuments. On the hill called Della Guardia, about three miles from Bolegua, is the haudsome church of La Madonna di San Luca, which is joined to the tuwn by a long arcade consisting of 635 arches. The once eplendid monastery of San Michele in Bosco was sadly iujured during the Freuch wars, and its frescoes by the Caracci and others were uearly effaced by the hands of the eoldiers.
Bologna occupies the site of the ancient Felsina, which was the principal city of the Etruscans north of the Apennines, and is taaditionally said to have been founded by Ocnus, brother of Aulestes, the founder of Perusia. When the Gaule invaded Lombardy, the Boii, ono of their tribes, crossed the Po, and established themselves in Felsina and the neighbouring country. Afterwards the Boii becane involved in wars with Rome, and they joined Hannibal in his invasion of Italy. After the end of that war the Boii, with the other Cisalpine Gauls, were conquered by the Censul Scipio Nasica, aud Felsina bccame a Roman colony b.c. 189. The uame seems then to have been changed into Bononia, for it appears from Livy that the name Felsina was retained ae late as B.c. 196. The Via Emilia, a continuation of the Via Flaminia, was carried from Ariminum through Bononia. In the civil war between Antony and tho senate, Bononia was attached to the party of the former, and it was here that the Consul Pansa, defeated by Antony in the first battle of Mutina, died of his wounde n.c. 43. In the autumn of the same year the famous meeting took place between Antony and Octavius, in a small island formed by the river Rhenus (Reuo) between Bononia and Mutina
A fire consumed great part of Bononia under Claudius ('Tacit.' zii. 58), when $10,000,000$ eestertii were granted from the public treasury for rebuilding the town. On this occasion young Nero pleaded before tho senato in favour of Bononia ('Sueton.' Nero, vii.) In the 3rd century the first Christian church was built in Bononis, and dedicated to St. Felix, which waz afterwarde destroyed in the persecution under Diocletian, wheu Proculue, Agricola, Vitalis, and other Chrietiane of Bononia suffered martyrdom. Bononia escaped with comparatively little damags the invasions of the northern barbarians. Alaric besicged bnt did not take this city. It also seems to have escaped the ravages of Attila. In the time of the Longobards Benonia formed part of the exarchate of Ravenua under the Eastern empire, until Liutprand occupied it with the rest of that province. Bononin was one of the towne given by Pepin, after his defeat of the Longobards, to the sce of St. Peter. Under the church, Bononia was administered by dukes, probably of Longobard race. In the confueion of Italian affuirs after the extinction of the Carlovingian dynasty, the towns of the exarchato no longer recognised the dominion of the church, whoso temporal eway was not acknowledged even at Rome itself. The bishops, and the varioue dukee and marquesses divided among theus the dominion of the country. Under the Othos of Saxouy, Bononia, as well ne the other citice of North Italy, obtained privileges aud franchisee as imperial towne governed by their own municipal laws. Under Conrad the Salic we find conuts of Benonia, who administercd justice together with the Missi of the emperor.
Tho municipal independence of Bologna was acknowledged by the emperor Henry V. in 1112 by a charter. The commune had the right of coining money. The citizene assembled in general comitia, and appointed their consule, judges, and other magistrates. The country districts were subject to the town, the territory of which was at first extremely limited, being ourronnded on every eide by a hest of feudal nobles, and by the domains of the churchce and monasteries, which were indcpendent of the jurisdiction of the town. Bydegrees however eeveral of the eurrounding nobles applied for the citizenship, and being admitted came to reside in the town. Othere lost their territory in wars against the city, so that Bolognn came to rulc over a great part of Ænilia, the country new gonerally called Romagna, which cxtends from Belogna to Rimini.

In the war batween Frederick I. and the Lombard League Bologna joined the latter. It likewise fought ngainst Froderick II., on which oecasion tho Bologneso took prisoner Hentzius, the natural son of the emperor, whom they detained iu captivity till the time of his death. The war of the Bolognese against the Modenees, who were of the imperial party, has becn immortalised by Tassoni in his burlesque poen, 'La Secchis Rapita,' or 'The Rape of the Bucket,'- a title euggested by an incident of the war: the Modeneee cavalry having made a eudden dash into Bologna and carried away from one of the fountains a bucket, which was deposited ne a trophy in the tower of Modena. The factions of the Guclpls and Ghibelinee proved the ruin of the independence of Bologna. The Lambertazzi, the head of the Ghibeline party, being worsted in the city by the Geremei, the chief family of the Guelphs, were, aftcr much bloodehed, driven away in $12 \overline{7} 4$ with 15,000 of thelr partisans and dependents, men, women, and

I The doparmot of la The extegile over ebo porthems half of that pert of the nelfer of the lhenguders whuch bolooge to lholivin


 final Jia beve gart of tho villegs abxl the plala aso vory fortsle, bet ealy a fow opme aro culurnied. The drasv lirimy down agreat
 cosilal.a fras

If Tee departesoat of Onano bre live wree la thes and I'otoni; the A edoe boedith the Tren the dejertronat of Chuquirec lice on

 tharly 18 fort abow the end comblas coveral eharches and

 il fienere (iondilfors, and ruas in the moumting jeen of Tolapula to 110.0 S Pork

I11. The dopermase of Putaci cosmpraseods the zanet nouthern port of Butina, mandy, tho whole of the coant Jong the Precikc, the Eetery asth of the ralley of the IDomgualero, and the southern fiun of ild momenta rogho of far zorth an the Pileumnro kiver. fiely the whle of The eurfeco la coverod with mabal or twarrou
 Clive puen is tho nortbers nage, whleh beve been lung worked, the in woms them in more popnlous than any jwart of the methe escept the nilloys of the Cachrmayo and Cochabamin. fisopt tho eapind, Poman, this degartucat contaim no cunsiderable primes

If The dopertmant of Cochatumba comprehands the grontent part of iso rhen and Eellealuraced valley of the Cuchabambin or Guapal, the Sierre de Sunce Cruse and the tino ralloye which 110 on the manibers secivity of than chais. Hivery kind of agricultursl produce Is bore growe in aburdanes, and in enmo of the rivers whlch fall into the Chapand rold is oallected. The epind of this ilepartment,
 of the lowne of Balivie, the manufacture of cottou geonls and of Rhan tenct curried on so nome exters Many of the dwelling housen ano lara. asd therv are ecveral conventa and churches It is aitunted at the eevera estromity of the clopartment in a fige ralley traversed Iy the Calorillo, a brasch of the Cuchabambe. The amall town Cochabsias frus which the cleparkment las rocoived its name, lies os the baske of the river Gisaryi, or Cochabambe.
if The drpartment of Chuguiman, or Clarea, extmads over the
 in 1 Heta, ta Blah slie ralley of tho Cachymayo is comprelicurted in alt fie piteme aml a groat portion of that of Cochabambe it containe cone derable minme, and wo one of the muat joptalone prortions of Atrin, en ecount of lis fertility and the hoalthfulsem of it elneste The pranctjel Cown, Cincgetsaca, is the capital of Bolivia
81. Tho dejmartnucat of siasta Crux de la Sicrra in ly far tho largost, and estendo over mensly the whole plain which conatutute the cantorn gent of Plativia The grvator yart of it in atill oecupiod by lalependent inter of lnaliam: and other dintricta, whers thy Croole had formerly mulut, hare bers abondoned on ecconnt of thoir unbealthluesa. The eyptai, itm lomesso de la Frousera, not far from the old cown Suria Cres do is fiems on the baske of the Nio Grande ilo la I'lata, han enty akoue 2000 inhelfanca
fanduente. The Inhabitante of tholivis are composed of aboriginen, and of suopio of formegh astretlon. Tho ahorigive form probably mere tha thre fourth of the propulation. They may le rivided late thow tho spat the Qulchus language and thom who aprenk difirvar atilece Tho Qulchun lamguage prevals mmong all the falutiteng of the conat mond of the valley of the themgumleru. Arrimeltese Lad bena mopkes by them lafuro the errival of the fianpman, ad evew of pimmos is is Ulsair guriscigal if not thelr evolenire conjution, bat li la gractsand in a very unakifful manaer. Jog lve lta couvertent to the Romen Catholic faith, but schin *is corvanion of ebefr anclat religion. The mativen who do not
 A ele and the plate extending in the eat of thom. Thery are dirifind

 Cato bow ecerertas to the Chrintian maligiot: then wear a light





 rents ad frilua al pame, noll go maldil.

 1 S. Epmenable are mave necoerven in the malnive diatrict and In the




Wond ano few in aumber, but the raixed rwoen, which owe their origis to a mixture with megrow, aro unuserous on the const; much leas so In the uniuing dietri to; and in other garta rery fow of them aro fuund. Tho bulk of tho population is ounceutmiod in two larger and aereral munder valleyn lms anmo sracta coudet of barrons demerts, othom though fertilo are uot cultivated, and uoarly uniahabited.

Commerce, Monwfuctures. - No country perhaps is under groater dimbrastage with renpect wommercial iutercoureo with furvign cumatrien that Bolivis, though pomonaing a cosst of 250 miles, with sevoral good harbouse The jurt which in coutiguous to the count is a mady desert, whlch protuoce nuthing fit for a foreign market, and It 'i meparnted from tho rast of tho country hy a chain of high and nearly impueable mountaius up to the parallel of f'oloui. The uuly ruad whlch comnecte the comt witls the internal districta of the regublic ruas on the comparatively levol country along the shores, aud framea to the valley of tho Dearenindero by the pane of leenes $\left(10^{\circ} 45^{\prime}\right)$, which rises to 14,210 foet, and thonce runs to Ordro and Yas flaz But thit romd, like all wthers in this country, ia ouly practicable for mules and thasas, and cousoquently does not alluw tho transpurt of very heary or very bulky commodities. To go from la Paz to the more propulous diatrices on the eastorn side of the Finstom Condillern, this ligh chaid must be traverood by the pass of 1'meunai ( $10^{\circ} 83^{\prime}$ ), which rines to 15,226 foot. Another mountain pases which loads from Orfiro to Chuquisacs, which risew to 81,000 fect, is called the pass of Challa ( $15^{\circ} .40^{\prime}$ ). The difficulties encountered in iravolliug from tho port of Cobijs to Oriro aro so gromt, that though the Bolivians lase doclared Cobijn a free port, they liardly use it, and prefer importing the emall qunntities of foreign comuorlition for which there is a demand through Arica and Tmema. Few foreign commodities are imported into Bolivia. They aro chiefly irou and bardware, with a few articlem of finery, as ailk, de. Tho exprorts are nearly altogether limited to the precioun ruetala, and to differont kinds of woullens, male of the wool of the llaraan and alpacas, and to lats marle of the wool of the Ficutias. In June $1 \$ 59$, the mavigation of the rivers of lholivia flowiug into the Amazonas aud La PInta was dochured free to vemseln of all nations
Beiug as it wero excluded from foreign connmereo the Bolivians are obliged to natinfy their wants by their own industry. The manufacturen of collon are the mont exteunive. Tho better kiada aro made in Oropesa; but in many districts the Indiana make great quantities, which aro conso though strong. Nest to these are the woollens, tado of the hair of the llamas and alpacas. Tho coarser kind, called 'hanacas, is uned by tho lower classes for dresa and likewise for blankots; the fiaer corts, called 'cambis,' are ombroidered with great care, aud uned as carpets by the rich. The heat are made at La Paz and are rery dear. At San Franceaco do Atacíma very fine hats are made of tho wool of the vicuise, and at Oropena very gool glas is nade. In nome towns iu the neighbourhood of the silver-mines they make vemels of silver-wire, which are not withont elegance.
Gorernment, Finances, de-In 1825, wheu Buenon Ayren had renounced lto claim on Upper Peru, and the representatives of tho country dotermined to form an independent state, they adopterl a conotitution propesed by l3olivar, according to which the executivo power was to bo placed in the banda of a president chosen for life, and the leginlatire was to considt of three bodics, the senate, the tribunes, and the censors. At the mame time Bolivar was chosen prasideah. In the followivg year a auccessful revolution occurred, and lolivar's constitution wan aupernodod. Since then there luwe been numerons chauges, noiactmae merely of dictatoms, but at others is the form of governusent The yoam $154 \%, 1843$, and 1842 wore conanmorl in civil war; and the convery las been ever miuce in a more or low unottlod ntato. Tho leginativo power in however atill at loant nominally vented in threo bodien, the executive being in tho bands of mas clective prevident. Of the financen of the combtry we have an very alintinet mocounh The mational debt in maid to amount to ahout 1,054,0131. ( $5,124,716$ pinatrea), inclurling tho sum required to dis clarge the arroam of literoet napald nince 184\%, but wo lelievo that It duea not Include the wholo of the muma borrowed by the troasury. Aocorling to atatement pishlhath by the government the revenus In 1850 amounted to 893,2131 . ( $1,076,217$ pinitren), while the expenditure was 347, 4484 ( $8,738,741$ piant rom). Tho atanding army in lizuiter to 2000 men. Tho conntry in cocleniantioally divided into the bishoprice of Cocluatmenbon and Sanata Crus do la Sierra, but there in no ontablishod church.
(Pontland and l'arinh, is Gengr. Jowr. vol. v. ; Meyen'n Reise um die IINe: Captains Kung amd Fitrmy'n Sailing Directiona for South A merics, prullimberl by the Admiralty; Coptain Imail Hall; Temple; Aearn: Vun Twebuell, \&c)

110LO\% 3 NA, the meornd city in the States of the Church, In aitrated In $15^{\circ} 80^{\prime} \mathrm{N}^{\circ} . \operatorname{lah}, 11^{\circ} 21^{\circ}$ Fi, long, 160 milen N. luy W. from Rome, wall 80 unthe $N$. by Fa from Florence, In a plain vorth of the $A$ pent nlnew, and lootweea the rivern llemo and Savena, and bas a gopulation of Thout i5,000. A canal, callend Navlgllo, navigable for bargea, connocta flologna with Fetrara, from wheoco, by meane of the f'o, tho Adige. and the intermediata comala, the water communication extenda w Veasoe Bolopa in a thrivlag city, with as imlumtrionn population; the hisher clonet, wha connaint chlesfy of inndeal proprictom, are frelliy. Jayy noblo familien, ronisfe at Malngza, whero they havo ©ne palsom, mono of wbich eumtain valuble gallerien, and are docorated
with fresco-paintings by the greatmasters. The palace of the Podesta, in which Hentzius, son of the emperor Frederick II., and nominal king of Sardinia, spent in confinement twenty-two years of his life, and in which he died iu 1272, contains the archives of the city. The Palazzo del Pubblico, a large structure, is the residence of the cardinal legate and the seat of the various courts of justice. In the square before it is a handsome fountain with the colosssal statue of Neptune by Giovanni da Bologna.
Bologaa abounds with churches, most of which are rich in paintings. The church of San Petronio, a maguificent though incomplete gotbie structure, which was founded in 1390 , has a meridian line traced on its parement by the astronomer Cassini ; the interior, which consists merely of nave and choir, is richly ornamented with sculpture; and tho three canopied doorwass of the unfinished façade are covered with marvellous clusters of beautiful bas-reliefs, representing tho main snbjects of the Old and New Testaments in stone. The central portal was completed by one man's hand-that of Jacopo della Quarcis. Charles V. was crowned in San Petronio by Pope Clcment VII. The cathedral of San Petro is rich in works of art. The church of San Domenico contains several fine monumenta, including those of San Domenico by Nicolo di Pixa; tomlss of Heutzius, of Taddeo Pepoli, of Guido and his pupil Elisabetta Sirani, of Count Marsigli, and other illustrious individuals. The adjoining convent is the residence of the tribunal of the Inquisition. The church of San Stefano, one of the oldest and most interesting religious edifices in Italy, consists of no less than seven churches united. One of these, dedicated to St. Peter aud St. Paul, dates from A.D. 330, and all of them are decorated with Greek frescoes, oil-paintinys, and works of ancient Christian art.
Bologna is surrouuded by walls about six miles in circuit, and has twelve gates; except in the older quarters of the city the streets are tolerably wide, and most of them liave low arcadcs on each side to shelter pedestrians from the sun or rain. In the centre of the city, near the Foro de' Mercanti, or Chamber of Commerce (a fine gothic structure, built in 1294) are two lofty towers, the higheat of which, called Asinelli from the name of its founder, in 256 feet high; the other, Garisenda (which is alluded to by Danto in the 31st canto of the 'Inferno'), is only about one-half of the height of ita neighbour, but inclines on one side about uine feet. The Asinelli is also a little out of the perpeudicular, though in a much slighter degree. Both towers date froun tho 12 th century.
The University of Dologna is the oldest and still one of the first in Italy. Its origin is stated to have been under Theodosius II., and it is said to hare becn restored by Charlcmagnc. We find it enjoying great eelebrity early in the I2th century. It has the following classes, -theology, medicine, law, philosophy and mathematics, and belles lettres. The faculty of medicine has the most and the best filled chairs. The university is established in a noble palnce (in which the Institute of Bologna has its apartments, library, and collections), built in the Strada San Donato by Cardinal Puggi in tho 16 th century. The building was purehased by the Senate of Bologna in 1714. The great linguist, Cardinal Mezzofanti, commenced his career as librarian to the University of Bologna Annexed to the university are a museum, a botanical garder, an anatomical cabiuct, and a library containing 80,000 volumes ( 20,000 of which were presented by Pope Benedict XIV.) and 4000 manuscripts.
Besides the library of the university, the city of Bologua bas a public library, the legacy of Father Magnani, which occupies three rooms of the convent of San Domenico, and contains 83,000 volumcs. The academy of the fino arts has a splendid gallery of paintings, chiefly of tho Bolognese school, which was founded by Franco Bolngnese, a follower of Giotto, in 1313; arrived at great eminenco under Francesco Francia iu 1585; aud reachcd the culıninating point of its fame under the Caracci aud their illustrious pupils Domentchino, Albane, and Guido towards the end of the 16 th and the beginning of the 17 th century. The Roman and other Italian schools are each representell in the gallery by a few master-pieces. The Instituto delle Scieuze, founded by Count Marsigli, has an observatory. The Philharmonic Lyceum, in which 100 pupils are maintained at the expense of the town, possesses a valuable musical library of 17,000 volumes, collicted by Father Martini, a Bolognese composer of the 18th century. The College Venturoli, founded iu 1825, is devoted to students of architecture. Thero is also a collego for Spanish studeuts, founded by Cardinal Albornoz; and another for Flemish ntulents, who are sent hero by tho goldsmiths' company of Brussels. It was founded by John Jacobs, a Flemish goldsuith, and a frieud of Guido. The Scuole Pie, or public school for the children of the pooror classes, is a fine building by the Bolognese architect Terribilia- The university was held in this building before it was transferred to the palace of the Institute above inentioned. The children are taught gratuitously Latin, arithmetic, singing, and drawing.

Lologna in an archbishop's seo, and the series of its bishops ascends to A.D. $2 \%$, when St. Zamn was its first bishop. St. Petronius, who lived about A.D. 430 , was the tenth bishop of Bologna. Amoag the distinguisherl natives of the city are no less than six popes and nearly one huadred cardiuals. The eity and the proviuce of Bologna aro administered by a cardinal legato appointed by the pope. The court of appeal for tho four provinces of Bologna, Ferrara, Ravenna, and Forli sits at Bologna, and consists of six judges.

There are several manufactures of silks, paper, and pottery. The large sausages (mortadelle) of Bologna have a long established reputation, as well as its liqueurs, jams, and syrups. The people of Bologna are frank and fond of gaiety; the lower classes are noisy, and their dialect is the most uncouth and rough sounding in all Italy. The women are generally good looking. There is a casino, or assemblyrooms for the nobility, besides reading-rooms and private conversazioni. There are several theatres, at which some of the best performers of Italy are generally engaged.
Outside of the walls, the Campo Santo or cemetery contains many handsome monuments. On the hill called Della Guardia, about three miles from Bologua, is the Laudsome church of La Madonna di San Luca, which is joined to the tuwn by a long arcade consisting of 635 arches. The once splendid monastery of San Michele in Bosco was sadly injured during the French wars, aud its frescoes by the Caracci and others were nearly effaced by the hands of the soldiers.
Bologna occupies the site of the ancient Felsina, which was the principal city of the Etruscans north of the Apenuines, and is tiaditionally said to have been founded by Ocnus, brother of Aulestes, the founder of Perusia. When the Gauls invaded Lombardy, the Boii, one of their tribes, crossed the Po, and established themselves in Felsina and the neighbouring country. Afterwards the Boii became involved in wars with Rome, and they joined Hauuibal in bis invasion of Italy. After the end of that war the Boii, with the other Cisalpine Gauls, were conquered by the Consul Scipio Nasica, and Felsina became a Roman colony b.c. 189. The name seeuns then to have been changed into Bononia, for it appears from Livy that the namo Felsina was retained as late as B.c. 196. The Via Emilia, a contiuuation of the Via Flaminia, was carried from Ariminum through Bononia. In the civil war between Antony and tho senate, Bononia was attached to the party of the former, and it was here that the Cousul Pansa, defeated by Antony in the first battle of Mutiun, died of his wounds B.C. 43. In the autumn of the samo year the famous meeting took place between Antony and Octavius, in a small island formed by the river Rheuus (Reno) between Bononia and Mutina
A fire consumed great part of Bononia under Claudius ('Tacit.' xii. 58), when $10,000,000$ sestertii were granted from the public treasury for rebuilding the town. On this occasion young Nero pleaded before the senate in favour of Bouonia. ('Sucton.' Nero, vii.) In the 3rd century thic first Christian church was built in Bononia, and dedicated to St. Felix, which was afterwards destroyed in the persecution under Diocletian, when Proculns, Agricola, Vitalis, and other Christians of Bononia suffered martyrdom. Bononia escaped with comparatively little damags the invasions of the northern barbarians. Alaric besioged bnt did not take this city. It also seems to have escaped the ravages of Attila. Iu the time of the Longobards Bononia formed part of the exarchate of Ravenua under the Eastern empire, until Liutprand occupied it with the rest of that province. Bononia was one of the towus giveu by Pepin, after his defeat of the Longobards, to the sce of St. Peter. Under the church, Bononia was administered by dukes, probably of Longobard race. In the confusion of Italian affairy after the extinction of the Carlovingian dynasty, the towns of the exarchate no longer recognised the dominiou of the church, whoso temporal sway was not acknowledged even at Rome itself. The bishops, and the various dukes and marquesses divided amoug then the dominion of the country. Uuder the Othos of Saxouy, Bonouir, as well as the other cities of Nortls Italy, obtained privileges and franchiscs as imperial towns governed by their own municipal laws. Under Conrad the Salic we find counts of Bononia, who administercd justice together with the Missi of the emperor.
The municipal independence of Bologna was acknowledged by the emperor Henry V. in 1112 by a charter. The commune had the right of coining money. The citizens assembled in general comitia, and appointed their consuls, judges, and other magistrates. The country districts were subject to the town, the territory of which was at first extremely limited, being surrounded on every side by a host of feudal nobles, and by the domains of the churches and inonasteries, which were iudependent of the jurisdiction of the town. By degrees however several of the surrounding nobles applied for the citizenship, and being admitted eame to reside in the town. Others lost their territory iu wars against the city, so that Bologna came to rule over a great part of Kinilia, the country now generally called Romagna, which cxtends from Bologna to Rimini.

In the war betiveen Frederiek I. and the Lombard Leaguo Bologna joined the latter. It likewise fought against Frederick II., on which occasion the Bologneso took prisonor Hentzius, the natural son of the emperor, whon they detained in captivity till tho time of his deatls. The war of the Bolognese against the Modenesc, who were of the imperial party, has becn immortalised by Tassoni in his burlesque poem, 'La Secchia Rapita,' or 'The Rape of the Bucket,'-a title suggested by an incident of the war: the Modenese cavalry having mado a sudden dash into Bologna and carried away from oue of the fountains a bucket, which was deposited as a trophy in the tower of Modena. The factions of the Guelphs and Ghibelines proved the ruin of the independence of Bologna. The Lambertazzi, the head of the Ghibeline party, being worsted in the city by the Geremei, the chief family of the Guelphs, were, after much bloodshed, driven away in 1274 with 15,000 of thelr partisans and dependenta, men, women, and




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 in cathortit rith lempramee and jwotion and for the goul of the He-llib foe ievire yeme bot one the deeth his two mome. at obl to mintain chatr powns, achl the town to the Vimoontl of $\mathrm{N}=\mathrm{Th}$ gate of the rieconat man hari end cruel, and a Mer a


 - motai isac, when the annor of Sulime 11. took the city nad eeta.

 an of Bolorese thero they mennind untal the following year, whom, on the tuite of farmes and the rotruat of the Freach arraies, the wown corredorval aphe to l'ope Jution, who trailt a castle to keep the whes ta awe. Fromen that time till the cod of the 15 th oentury mingen roviond mbyet to the papl nee, retaining howerer it task, tbe emolure of which were appuiated for life liy the prope, and apputatel im that lern all naburtimuto ciril octions, a ud aiministored un fiscioce of tho comenuma

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 181611 wem ocoupiad by the Auctians In 1515 General Stefanini. -the areo of Autins retorel B loroa and tho other legntions to L- papl amborition In 1831 an Innurroction lmake out at Jologna apares the poples gererationet, which way put down by an Auntrian earthary 1 … sume che revolutionary moremente of 1818 an A cunen Corrw de Armb heo cocupiod the marches and legations, with iblages $f=$ hadiquarier.

There aro Lat fow remaine of antiquity in Rologen : wome fragmenta of enperer sed a few inecriptionn ane prowerred lin the mucouns of the -veris






 mins then of the tienn sbare i.a l'orrette (famoun for ita rulPVere hothol to the on of Ferrar bryond Yalalhervo, la about 30 X We. Horemen in ana: : 20 miler The arm of the province 101202 aquare


 sortb eas gart of tho lrovince mour the flo la rery marby and nubject if ievedelions, nal tho movehem purt in mountainuus, litit the midille pers of plata of Retlome io rery proluctive, anil in a light ntato of Niancion In the toet lasth ner the Pro rioe in grown. The lower zuretal Corse wion ofl. frous, all woren of regreables, hemp, tax. An Ala aro is priacipal producte of ibo countr. Tiniter in
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 Porvila, 2800 . Vech of those mumbern the of the mejertire terviong or commune.
 H) \& an armounded by walle Ther in mille or chuef inprivions anil the outber fanmorn thet in the monnicijll wownita Inrever to the qualianotiono of bollifing time the even i. ivine rices 21 guan of age,




it io printal anil publisbol. Tho council administors the commonal proporty nubject likewien to the luapection and approbntion of the lavea Thin municipal nyatem exiata in all the Pappal State.
Tha peamata of the province of lBulogas are meldom proprictors, few even haro lewm, hut thay holl their farma frum father to non $b_{5}$ a tacit agrooment, giving onelinlf of the prodnce to the ladilord and paying lalf the taxes. They aro $\begin{gathered}\text { ober, penceful, nod induatrioun }\end{gathered}$ This metuyer njutem provails over mont of the northern papal prorinces apal also $\ln$ Tumcany.
1SOLOR or BELCLISTAGIL, a mane found on many modern maps, and applial to the extonkire mountain range which reparates the high table-Ind of Rissters Anis on the weat from the deep depreasion Which aurroulde the Soes of Aral on all sidea, ami the Caspian on threo nillow. Thin nasne, wo believe, in firmt found on mozne Rusnima mape maile in the liegiuning of the last century, snd rests on the autbority of Janco P'olo, the V'enetins traveller, who mays that after leaving lialakhnhan, or Bulascia, and trarensing n country called Vocnm (now Wakhan; $\quad$ oo Badaknsmas), he arrived at the highest inountaius in the word, and, lasing pamod them, to tho table-land of Pamir. Travelling from it fin a north-centern direction for forty days over a mountain region of grent extent and clovation, he mids that this country wan called Belor. Afterwands he arrivel at Kaslighar. The mountain rango thus denigunted by the V'enetian traveller lion between $40^{\circ}$ and $35^{\circ} \%$. lat. on both siden of the meridian $72^{\circ} \mathrm{E}$. of Greenwich. It in deseribed in this work under Tabtash-tagn, the nause by which it is now kuown smong the mativc. The Chinese may gives it the namo of Tartash-idiug.
BOISE', NA, amall and decajed-looking town in the province of Viterbo, is situated on the slope of a hill at a littlo distance from the north slore of the Lake of Bobenan, 56 iniles N.N.W. From Rome, and ham about 1800 inhabitanta. Bolsenas is near the site of the ancient Volninii, one of the priucipal cities of the Elruscann, which maintained It indepeadence nfer the rest of Fitrurin had been conquered. But the citizen of Volsinil laving becomo addicted to indolonce and plearure emancipated their slaron, and entruated them with arma for the defence of the lown, and cven admisted them into the senate. By degrees the liberti, or freedinen, becoming possessed of all the power in tho state, tyrannisol over their former masters, beld their persona and property at their mercy, and violatal the honour of their wivon and daughters. The eitixens necrelly sent deputies to liome imploring ansintance. A Romnan army under tho Consul Fabiun Gurgea marched agninat Volsinii nud dofeated the revolted liberti, but the consul was killed in the eugngement. A uew consul, 3. Fulriun Flaceun, wan nent from liome, who after a nicge took Yolninii, acc. 266. Mont of the revolted liberti were put to death. but at the same time Fulvius Flaccus razed the city which had so long withstoorl the power of Rome 10 carried nway the spuils. aneng which it was asid there wore 2000 statues (Livy, v.) Tho Inhabitants built themsolrea a new town in the neighloarliond. This new Volninil in little notieed in subnequent history. Sejnnun, tbo fivourito of Tiberiun, was a native of it. The Vin Cassin passed thmugh Volsinil. Ameng the few remains of antiquity at or near Thlsone aro mome rulun of a temple maid to have been dedicatod to the Eitrumcan goldesa Nursia. Two ancient urns are iu the vestry of the church of simita Cristina, and in the mgunre before the church is anothes urn whth enrious bami-rilicri repreneuting artyre and bacchnutes, and near it in likewine a large and elegant vano of oriental gramite. Iu the neighbourloorl sro numerons nepulcliren and tumuli, the remains of an ampbitheatre; sud large numbers of Fitruscan maven, ntatuen, aut other rollen hare been found here in recent jears. It in in the church of Sante Crintina that the miraclo of the Bleeding 11 ant in regrorted to Iuve oocurred in 1203, which furnisbed 1taplanel with the subject of one of hin finms puintingn in the Vatican.
BOLSH:'NA, TIIE: LAKE OFF, in the States of the Church, in aituatel tu the delegation of V'itorbo about the point 42" $35^{\prime}$ N. Iat., $11^{\circ} 35^{\prime}$ Fia long. In ahapo it in nearly ornd, and Its circuis is about 2t milen it la almont wholly surrounded by hilla, which are covered with trom, rinem, and garlenk To tho wouth-east the town of Moute Ahesme rivom on a conical bill a alhort dixtance from the lake, and form the mamente thre in a nilleustid riew of the nurnounding country. To the matwanl, hehind the Lown of Bolema, io the onlcarcoun ridge of llagrmene and Orvioto, which dividen the bain of the lakefrou the valley of the Tiber. Suruth. Went of the lako the country opens into the unwhononom phaine whlch extend towarle the woa. At this end the river Narta (Iarles) lmumo out of the lake, and after a course of aburut forty mallen entem the men near Corneto. The lake in subject to nver Bowingn; it is in many pheen nhallow wear itn boniern, where It in corered with moin and frequented by multtuden of water-fowl. The air around tho lake to untiealliy in summer: the treacheroun Veanty conomala inalarie In nuch fotal forms that a anll in never noen on 16 watem, and allhough the gromud in cultirated to the very tnamin of the lake no hahourer can with impunity nlep a siugle night no the fiefl whese lie line worked by day. Tho Iake of llolnena alown in with fich: la largo reln wero colobrated In tho time of tmate. ('I'urgetorio: $x \times 1$ r. 22.) Two mall inlanla rino out of it, Inola ihuontime and Inola Martana. The hilln that nurround tho lako off Dhemanare bnalkio; but the rock in mont placen lane a corering of rich monld, though in otbers it in inro and shows licxagonal prisms
ranged in all lines of direction. Judging from tbe form of the lake 1nnged in all lines of direction. Judging from tbe form of the lake
and the geological formation of the roeks immediately encireling it, many hare regarded the Lake of Bolsenn as occupging the crater of an extinct volcano. The country produces very good wine, both red and white, especially of the Museat kind.
BOLSOVER, Derbyshire, a village, formerly a market-town, in the parish of Bolsover and bundred of Scarsdale, is situated in $53^{\circ} 13^{\prime}$ N . lat., $1^{\circ} 16^{\prime} \mathrm{W}$. long., 24 miles N.N.E. from Derby, I 46 miles N. by W. from Londou: the population of the parish in 1851 was 1611. The living is a vicarage in the archdeaconry of Derby aud diocese of Lichfield.

At the time of the Domesday Survey, Bolsover was tbe property of William Peveril, who is supposed to have built the castle, the interior arebitecture of whieh is of tbe Norman period. The castle was in the possession of the barons in I215, but was taken from tbem hy assault for the king (John) by William de Ferrers, earl of Derby. The Earl of Riebmond (father of Henry VII.) clied posseased of it in 1450 , togetber witb the castle of Hareston, both of which were granted in 1514 to Thomas Howard, duke of Norfolk, on tbe attainder of whose son it again reverted to the crown. Edward VI. granted it to Talbot, earl of Shrewshury, in whose family tbe manor of Bolsover eontiuued until the time of James I., when Earl Gilhert sold it to Sir Charles Cavendish. The old castle was in ruins long before. It was robuilt by Sir Charles Cavendisb, who appears to have exactly rebuilt tbe sncient Norman fortress, of which the lower walls are distinctly visible. It is even probable that the beautiful arcbes in the kitehen, servants' hall, and larder are tbose of the original strueture.

As Bolsover Castle is an exceedingly interesting edifice, we shall notice it somewhat fnlly. The present castle may be described as an Elizabethan imitation of a Norman fortreas, erected on the Normnn foundations, and retaining the Norman character. Tbe ancient fortifications surrounding the castle courts and yard bave been rehuilt, and the whole is a remarksble specimen of an ancient fortreas reprodnced soon after 1600 . It is a square, lofty, and embattled structure of brown stone, with a tower at each angle, of which that at the north-east angle is much ligher and larger than the others. The cartle stands on the brow of a steep and wooder hill, commanding one of the finest inland views in Fngland. A nohle terrace leads up to the great gates, through which tbe entrance is by a stone court. The great hall and pillar room are beautifully arched and supported hy Norman pillars, aud hare boen furnished with ormamental carving of the 16 th and 17 tb centuries. Above thesc is a room called the Star Room, which bas been fitted up hy Mra Hamilton Gray as a library, and contains one of the finest private collections of Etruscau antiquities in England, with many beautiful speciunens of old ltalinn carving. The remainder of the castle has been fitted with all the conveniences of a modern residence.

The first Duke of Newcastle bnilt the riding-house and the magnificent range of buildings along the great terrace, now in ruins, hut well preserved as a pictnresque object. Ifere King Charles I. was several timea entertained by tbe Duke, then Marquis of Newcastle. On one of these nccasions the reeeption of that monarel and bis queen cost the nohle owner 14,000 l. All the nobility of tbe inidland counties wero assembled on the terrace, and Ben Jonson composed the masque of 'Lovc's Welcome ' for the festival. Previous to the banquet already mentioned the marquis had entertained the king at Bolsover in 1633 , when be went to Scotland to be crowned. The dinner on this oecasion cost 4000 l. In the remains of tbis grand range of huillings there are a gallery 200 feet long, a dining.room $i 8$ feet long, and two drawing-rooms 39 feet and 36 feet long.

In the early part of the eivil war the castle was garrisoned for the king, hut was taken in 1644 by Major-General Crawford, who is said to have found it well manned and fortified with great guns and strong works. During the sequestration of the Marquis of Newenstle's estates Bolsover Castle suffered much both in its buildings and furxiture, and was to hare been demolished for the sake of its materials, but was purehased for the earl by his brother, Sir Charles Cavendish. The noble owner repaired the buildings after the Iestoration, and occraionally marle the place bis residence. It now belongs to the Juke of Portland, whose family derived it in the female line from tbe Nowcastle Cavendishes. The mausion has long eeased to he even nccasionally occupied by its owners, and is now inhahited hy the Rev. John Hamilton Gray.
The village of Bolsover is plensantly situated, together with tho castle, upon a point projecting into a valley whieh surrounds it on every airle except the north-cast, where the separation has been made by a deep cut. In ancient times the whole rillage was fortified, having been anrrounderl on the level side by a deep trench and mound whiel still exist; while the steep banks under the village are crowned with four watcli towers, and were probably once defended by walls. The village inhabitants are ehiefly employed in agriculture. The parish church is of mixed arehitecture. The tower and the principal are Norman. In a side chapel are two splendid monuments of the Cavendish fanily. In the village is a National school, with a commodious house for the master. Thero is also a fund for distribution among the poor, arising from the interest on a hequest of nearly 3000l. bank Rumuitiem.

BOLTON-LE-MOORS, Lancashire, a manufacturing town, parliamentary and municipal horough, and tbe seat of a Poor-Law Union, in the parish of Bolton and hundred of Salford, is situated on the banks of the river Croal, in $53^{\circ} 35^{\prime} \mathrm{N}$. lat., $2^{\circ} 37^{\prime} \mathrm{W}$. long. ; 11 miles N.W. from Mancbester, 197 miles N.W. hy N. from Loudou hy road, and 198 miles by tbe Nortb-Western railway viâ Trent Valley: tbe population of tbe municipal and parliamentary borough which are co-exteusive was 61,171 iu 1851. Bolton is governed by 12 aldermen and 36 councillors, one of wbom is mayor ; and returns two members to the 1 mperial Parliament. The living is a vicarage in the arehdeacoury and diocese of Manchester. Boltou Poor-Law Union coutains 26 parisbes and townships, with an area of 43,829 acres, and a population in 1851 of II4,712.

The name of Bolton is involved in obscurity, though its affix of le Moors evidently points to a Norman origin. The manor was suceessively owned hy the families of Merscbeya, Blunderville, Ferrers, and Pilkington. In the reign of Henry VII., the Earl of Derby beeame possessed of nearly all tbe land in tbe town of Bolton, which he held uatil part of it was confiscated during tbe Commonwealth. After several changes the manorial rights have become divided amoug several families, of whom the Earls of Derhy aud Bradford are the chief.

During the long strife between the Royalists and tbe Parliamentarians Bolton was garrisoued by tbe latter, and remained in their possession till 1644. Prince Rupert and tbe Earl of Derhy attempted to take tbe town by storm, and after a first repulse, the Earl of Derby having collected his tenantry and levied new troops returned to the attack. and succeeded in dislodging the parliamentary forees, and obtaining possessiou of the town. It was soon after again surrendered to the Parliament ; and after the battle of Worceater, the Earl of Derhy being taken prisoner was condemned by a military trihuual at Chester, and sent under an escort to Bolton, wherc he was heheaded October I5th, 1651.

Bolton was formerly famous for its manufactures. Lelnud speaks of it as having a market for cottons and coarse yarns. The making of woollens appears to hare been iutroduced by some Flemish clotbiers who came over in the 14 th ceutury. Other brancbes of trade were iutroduced by the French refugee mauufactnrera, who were attracted hy the prosperity of the neighbourhood; and the manufacture of cotton-cloth was improved, and in many of its kinds originated, by some emigrant weavers who eame from the palatiunte of the Rhine. The improvements in the machinery for spiuning cotton gave an impetus to the trade, whiel has been gradually increasing ever since. Almost tho first iuvention of importanee was a machine which comhined the prineiples of the spinning-jenny and the water-frame, and was called a 'mule,' hy its inventor, Samuel Crompton, who lived at 'IIall in the Wood,' near Bolton, and who had to struggle for an existence, while his invention was enriching others. In the rueantime Sir Richard Arkwright, another native of Bolton, who had risen from a very obscure condition, hal established large factories in Derbyslire, where he carried the cotton machinery to the greatest perfection. The opposition made hy the labouring classes in Bolton to the improvements in maehinery has, at various times, driven the most lucrative hranches of employment from that town to other places. The introduction of the mulo and of the power-loom was not secomplished until they bad enriched other communities for some time. After a while eotton-factories, filled witb macbinery upon tbe best principle, begau to rise up in various parts of the town. Foundries and machine manufactories followed them, and a great extension was immediately given to the trading interests of the place.

The two portions of which the borougb of Bolton consists are separated hy a sinall river called the Croal or Crole, whicb rises at Red Moss in the bamlet of Jostock, and runs due west into the Irwell, dividing in its courso Great and Little Bolton; the south side of it heing tho township of Great Bolton, and tbe north side the clapelry of Little Bolton. Though an ancient town, the strects of Bolton are wide and straight, and the houses are generally well huilt. The roads leading to nud from the town in every direction are kept in good condition, and the principal entranees are good. The revenues derived from the rents of the inelosed portions of Bolton Moor property are now made availahle for the general improvement of the town.

Difficulties as to jurisdiction have occasionally occurred between the governing authorities of Great and Little Bolton. An Act of Parliament passed in 1850 defines the rights and liabilities of each body, and provides for the execution of several necessary improvements in the town. The town is lighted with gas.

The charter of munieipal incorporation was obtained in 1838. The superintendent of police prepares annually a valuable statistical table relating to the social and mercantile progress of the town. The municipal revenue of tho borough in 1849 amounted to about 6500 !.

Among the places of worship in Bolton, the chief is the large parish ehurch dedicated to St. Peter, which is of ancient date; it has a low tower, hut has fow pretensions to architectural beauty. The largest ehurch iu Little Boltou is St. George's, a brick buildiug with a tower and a peal of bells. There are six other churches and chapels of the Establishment. Emmanuel chureb, built in 1838 at a cost of 2200 l, originated in a desire on tho part of the parishiouers
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by a ebief judge, and oun puinmo judge; the other officern and the divisions of the cuurte aro sinilar to what has been docecrilied un ler Mesoar. The police in under a chief maginatro and a supprinteulont. The Foolenimatioal listablintureent, for whlch thero in an pront of $20,05 \mathrm{~N}$. annually, conaiste of a liinbop, an archdoscon, a rogistrar, Fchaplaine, and io metitant elaplaim Thero aro two claplains of the Church of Soorhad in lkombliy, who aro paid by the government ; and allownacon aro made Lo lloman Catholio prionte within tho promilency. The fiast ludia Company in thin way arrangen for affurding opportunition of roligious fintruction and worbip to the ooldiers and civilinms in tos craflorment. There aro two ininistern of the Fireo Charch of Sootland in Ilomlays, and thero are mininturs of ravious Diamonting bodies in the hern and throughont she prosidency.
Educalion-Govemment appropriaton for ollucational purpocen in the provideacy about 12,5001 a year. Thore in a Samecrit onlloge with a linited number of ntudents, which lian 20001 . in addition. The chiof obmtacles in the way of cetnilishing new nctools are the manall unna dovoted ammally by the governmont for educational purposen, and the difficulty of obtaining qualified teachera. The Bombay Boand of Filucation han adoptel a nystem somewhat differout from that followel iu the other prasilencien. It has prorided somonal achools for tbe trainilge of tenchorn, nod roquirow that teachers nhould give inatruetifo through the vernacular langunge. It looks for local enaintance from the natives, aud roquires nunnli feea from the pupiln; but it anainta in the luidding of schonl-noms, furnishing books, de not only fur the schools but for village librarien. The 'Elphinstone Native Elucational Inatitution ${ }^{\circ}$ is the principnl establishnent in Bomsay, where about 800 acholars attend, about one-half of whom pay a fee. There aro a few proviacial Engliah schooln, and a considernble number of Gorerameut Dintrict Venncular achools. There aro nlso soveral vilhge schools. Thero are two achooln, founded in 1815 by Archdenonn Raroce, for educating the children of the Europenn poor, in which S2i ehililran are boarled and alucaterl; they are mostly the orphana of molliers. There in almo the Grant Jledical College, and a neelical college founded by Sir Jemsetjee Jeejeboy, a Parnce, in connection with the lonpital. The Scoteli Church hat a school in Bombay, and an Orphan Anylun for femalea The Scottinh Free Church bas sereral mehooln. Both bodica avail themeelvea largely of the asaistance of nativen ar teachem. Other religiona bodios aleo contribute by their eforts to the apread of education. The managers of Charity sclools aro now ompowered to apprentice the children under their charge, and magiatratea of police have nuthority to bind those that fill into their bnada, to learn trulen nud profemaions. Schools of industry have long heen establithed at Bombay, for the reception of the destitute, and for tho inatrsetion in the improved practice of arta and bandicras of all who caro to ronort to them.
A litenary nocioty has been entallished for many years iu Bombay, and meveral quarto rolumes of its transactioun have been published. In 1819 the mocioty bocame a brancla of tho Royal Asintio Society of London. A geographical nocicty bas also been established at Rombay.
The pilitary charges for Bombay prexidcucy nmounted in 1851-52 to $1,633,828$. The total receipts of the presideucy for tho year 1851.52 amountod to about $2,793,962 \mathrm{~L}$; tho dimbursementa to about 3,209,5331. The public dolt of the prenideney nu April 30th, 1851, war about $1,340,6531$.
During the year $1545-46$ the amount exponderl on the conntruction and repair of roarla, tankn, and buildings was about 20,000 . ; during 1846-47 it was about 31,500 . Sinco that time, in additiou to the orlinary outley for much purpoeen, apecinl grant las been mado for the conntruction of a mole and road at Kurraclane, iu Sinde. The total mmount expended dnring fifteen years (1837-35-1851-52) ou public worka, compriting roads, bridgen, ombanknowta, canala, tanks, and welln, wes alout $574,1 \% 12$

In the lhoulay presictaney tho rovenue mottement in ehiofly ryopear. A new murvey in now loing made, and under it the lands are mubdirided fito fielda of moxlerate size, mo that encla subdivisiou unay be without dillicully caltivated by a farmer of limiled means. The goverament amocuatuent in laid sepurntely upon each fold, and leanen one grasied for 30 youm, at a fixel mum, blnuling on the government for the full term : the cultlvator liaving on his part the option of surrepulering any one or zoore of hin fickla, or altagether putting an end Whie leme at the clowe of any given year.
 18 89.801 ) wero an follown:-181\% 1f, $1.357,0011$; $18464 \%, 1,157,2121$; $181 \%-48,4,015,6004$; $1549-48,5,118,1184$; $1848-60,6,1 \% 1,219 \%$ For the corranomling yoan the exportn mond thun:- $0,243,21351$;
 excluaire of the port-to-port trade in ludia. The malt manmfacture, Which in Imdis fa mo Important, in carried on in the llombay prenidency by indivioloaln, lnit mabject to an oxcipe duty of 12 amma, or la. Bd. per maund of 62 lba , a smilar duby lreing imponel on importod inal. The mit fonde in the 13 maliey preddeney in procured by molar evapo. ration. The whole quantity mold wholmeale and retail, or importod, to $18464 \%$ in the prosidency amountell to $2.675,025$ maunds of 82 lb , or acaily $0 \$, 000$ loma. The revesue derived from malt, focludiag goverament alay, axcioo on privato smanfactare, ad cuntous duty,
in Bombay presidency during five years (1845-46-1849-50), stood thus:-210,110l.; 177, $7561 . ; 234$, 0.00l. ; 210,685l. ; 215,759l. Hitherto the chief cotton-field of British ludia has been in Guzerat, in tbe Bombay presidency. Of $165,665,220$ lbs. of cotton exported from the three presidencies of India in 1849-50, the amount furnished by Bombay was $150,754,063 \mathrm{lbs}$. Of this quantity $105,637,02 \mathrm{~S} \mathrm{lbs}$. were exported to Great Britain. Opium grown and manufactured within the territories of Bombay is subjected to a heavy duty, with a view to discourage its production. The cultiration of the poppy is stated to have ceased in the district of Ahmedabad in 1839, and nearly so in those of Kaira and Candeish. The production of opium has been prohibited in Sindc. The government purchase all that is produced in Bombay, and supply through the licensed retailers the quantity required for home consumption. Tbe receipts from the opium rcrenue for five years ( $1845-46-1849-50$ ) were as follows :- $595,624 l$. ; $606,863 l$. ; 371,8551 . ; S 87,5061 . ; 729,483l.
BOMBAY (the Islaud of) is situated on the western const of Hindustan, off the shore of the Concan in the province of Bejapore. The 19th parallel of N . latitude passes nearly througb the centre of tbe island. It lies to the soutb of the island of Salsette, a dependency of Bombay. The two islauds are counected by a causcway, constructed in $1 S 05$ by Mr. Duncan, theu governor of the presidency.
Bombay Island is little more than 8 miles long from nortb to south, and about 3 miles broad in its widest part. It is formed by two ranges of whinstone rock of unequal length, running parallel to each other on opposite sides of the island, at a distanco of between two and tbree milcs. The eastern range is ahout 7 miles long, and the western about 5 miles lorg; they are united at the north and south by belts of sandstone which are ouly a few feet above tho level of the sea The iuterior of the island was formerly liable to be flooded so as to givo the whole the appenrance of a group of small islands. This flooding is now prevented by the construction of several substantial works whicb keep out the spring-tides; but as the lower parts of the island are ten or twelve fect under higb-wnter mark, much of the interior is, during the rainy season, reduced to a swamp. The site of the new town of Bombay is sulject to this disadvantage, so that during the continuance of the wet monsoon the bouses are separated from eacb other by water sometimes for seven or cight months of tbe ycar: this spot was recovered from tho sca in tbe latter part of tbe last century.
The natural difficulties of tbe island must have prevented any scttlement upon it by Europeans but for tbo advantages of its position for commerce, and its harbour, which is unequallod for safety throughout the Britisb empire in Iudin. This excellent harbour, on account of whicb the islaud receired its name (130m Bahia) froun tho Portuguese, is bounded N. and W. by the islands of Salsette, Bombay, and Colabba, or Old Woman's 1sland. Colabbs is a amall island or narrow promontory, naturally connected by a mass of rock, rising near tho surface of the water, with the southeastern extremity of Bombay, and now united to it by a causeway which is covered by the water at spring-tides. Tho cantonments for the Europesn troops are situated on Colabba East of the harbour, about four uiles from Bombay, is Butcher's Ieland, and behhid this the island of Elephanta, celebrated for its caves and temples, only fivo miles from the Mahratta shore. Tbree miles soutb of Butcber's Island, and five miles east from Bombny, is Caranja Island, on the west side of whicb is an extensive shoal. The entranco to the harbour tbus formed is between Colabba and Caranja islands, or rather between the shonl just mentioned and a reef of rocks surronnding on all sides the point of Colab ba, and extending about threo miles to the sontliward. The channel between tbese is about 3 milcs wide, and 7 to 8 fathoms deep. $A$ sunken rock and a bank occur in tho passagc. There is a ligbthouse bnilt on the southern extremity of Colabba Island, 150 fect above the level of tbo sen, whicb may be seen seven leagues off the const.
There is no other important harbour in British India where the riso and fall of tbe tides are sufficient to almit of tho formation of wet-docks. The rise at ordinary spring-tides is 14 fect; occasionally it is tbree feet higber.

Arrian, in the 'Periplus of the Erytbrean Sea,' maya tbat this island was tben called Kalliena, and tbat it was little freqnented. It had previously bcen an established commercial port, but Sandanes, one of the sovereigns of Barugaza, probibited any of the Egyptian tradingveasels from entcring the harbour ; and if any were compelled to do so by accident or stress of weather, a guard wan immediately put on board, and they were taken to Barugaza.

Bombay was ceded by tlo Moguls to tbe Portuguese in 1530, and came into tbo possemsion of the English on the marriage of Charles II. with tbe Infanta Catharine of Portugal. By the marriago-contract the king was to receive $500,000 \mathrm{l}$. in money, the town of Tangier in Africa, and the Island of Bombay with its dependencies, together with permission for his suljeets to carry on a free trade with all the Portagreme wettlements in India and Brazil. A fleet of five ships of war, commanded by tho Earl of Marlborougb, witb 500 soldiers on board, Wan sent to receive posnention of Bombay, where they arrived on September 18th, 1662 . From some misunderstanding the Portuguese governor refused to complete the cession, and the flect returned to England. This mattor was not arranged between tho two governmants until 1664, when posscsuion was taken in the name of the king
of England by Mr. Cooke, and Bombay has since that time remaiued in the possession of tbe English. The island was transferred to the East India Company in 1668: the deed of transference states that the island is "to be held of tbe king in free and common socage, as of the manor of Fast Greenwicb, on the payment of the annual rent of 10l. in gold on the 30tb September in each year." With tbe place itself the Company received authority to exercise all political powers necessary for its defence and government. In 1674-75 a mutiny broke out in Bombay, but was easily repressed, when the ringleaders were tried and executed, the Company then first exercising the power of enforcing martial law. Another insurrection in 1683 was more formidable, and occasioned so much annoyance to tbe governmeut that it was deemed expedicut to guard against any similar attempts in future by transferring to Bombay the seat of the Compauy's governmeut in India, which had previoully been placed at Surat. In 1687 the title of regency was given to the administration at Bombay, aud unlimited power over the rest of the Company's settlements in tbe Fast was given to tbe governor.
Since the first occupation of the island by tbe Euglish, the resident population has enomiously increased. At that time it amounted to about 15,000 . Iu 1716 tbe number was 16,000 ; in 1816 it was 161,550 . Including the fluctuating population, which is at all times very great, it was estimated by Von Orlicb in 1842 tbat Bombay contained 200,000 (whicb is of course almost altogetber that of the city). Since that time it las augmeuted so rapidly that by the Census taken at the beginning of 1850 it amouuted to 566,119 , of whicb uumber about 296,000 were Hindoos, about 125,000 Mobammedans, and about 115,000 Parsees ; thcre were 5088 Europeans, 7456 native Christians, and 1132 Jews.

The floating population is of a very mixed character, and consists principally of Persinus, Arabs, Mahrattas, Carnatas, Portuguese, Indians from Coa, and a grent number of sailors.

The property of the island is principally in the hands of the Parsec inhabitants, who are active and intelligent, taller, better formed, more athletic and of more handsome featuros than the Hindoos. The principal merchants on tbe island are Parsees, and it is usual for European houses of commerce to contaiu one or more Parsee partuera, who supply a great part of tbe capital. Theso people wear the Asiatic costume, but thcy assimilate more than other easteru people to the customs of Europeans, and nearly tbe whole of them speak Finglish; their children are taught the languago, and many of them speak it as flucntly as Europeans; at the same time they adhere most rigidly to their rcligious customs and observances. In the morning and evening tbey crowd to tbo sbore, where they prostrate themselves in adoration before the sun. They deposit their dead iu large cylindrical buildings, eacb 25 feet high, the interior of wbicb is built up solidly with masonry to within 5 feet of the top, witb tbe exception of a kind of well, 15 feet in diameter in the ceutre. The bodies are deposited botween this well and the wall, and being only loosely wrappod in cloth, are speedily devoured by vultures. The boncs are at intervals throw into the well in tho centre, from the bottom of whicb they can be removed through subterraneous passages. The more wealthy of tbe sect have private tombs of similar construction.
The cocoa-nut-trce formerly grew very abundantly on tbe island, kut the spots now capable of being cultivated will hardly yield a week's supply of provisions for the inhabitants, who are dependent upon the farmers and gardeners of Salsette, which island is well cultivated.
BOMBAY (the City of) stands principally on a narrow neek of land at tbe soutb-eastern extremity of the Island of Bombay, in $18^{\circ} 56^{\prime}$ N. lat., $72^{\circ} 53^{\prime} \mathrm{E}$. long. The fortifications are extensive, and would require a numerous garrison for their defence; towards tbe sea the works are extremely strong, but on the land side, supposing an enemy to bave made good a footing on the island, tbey would offer comparatively little resistance. The houses within tbo walls are built of wood, with verandahs and sloping roofs covered with tiles. In 1803 a fire destroyed many houses ; after whicb a great number of dwellings wcre built on a salt ground then newly recovered from the sea. Many of the dwellings are commodious, particularly in what is called tbe European quarter. The sbops aud warehouses are upou a large scale. Tho northern quarter of tbe fort, principally inhabited by Parsee families, is dirty and uninviting. The bouses without the walls, occupied by the poorer classes, are built of clay, and tbatcbed with palmyra leares. Tho cbief public buildings in the town are tho cathedral, two Scotch cburches, several Portuguese and Armenian churches, three Jewish synagogues, a number of mosques and Hindoo temples; the government-bouse, tbe custom-bouse, and other government offices. The largest Hindoo templo is that dedicated to Momba Devi, a sbort distance out of the town. There is likewise an hospital founded and endowed by Sir Jemsetjee Jcejeboy.
The barracks, arsenal, and docks are all witbin the fort. The docks although they are tbe proporty of the East India Company, are entirely under the managemont of Parsees, by whom merchantveascls of 1000 to 1200 tons burdeu, frigates, and evon line-of-battle ships are built. These docks were about forty years ago cnlarged and improved uuder the superintendeuco of Major Cooper of the Engineers. The buildingn are greatly admired for tbeir architectural beauty; tbe slips and basins are calculated for vcesels of any size. The teak-wood
-a for bullung abope io vory durabin. Thoublay loding aitrated bivere the forvien af Nalatir amb tiujrrat, moeive Eugplice of
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 are which form the proscigal gart of this trade fruta in mulay aro Sumpen mumefecterne asol the produce of lengal asul Ching the ruturns biotas male in collua-wool mil clothat timber, oil, and grain from the marthern ports ; and from the muth, cutton, hemp, coir, eamber. nerver, moe, and eocon-nuts Tho merchabdie thus lirought \& Dumby 20 gn grent jart reexjported in lager ships to diderent grate of rope, w Norts and Soutb Amerion, to Canton, to tho Asmbian and Irenem gulfa and to the liay of Kengal. Tho goorls sent Iroulatu co lhims compries principally cotton'woul, opinu, metale, yyucen dyewoole, and wowlles gocmla
Thomby robesven from Ternis raw ilk, copller, pearth, galth, coffoo, sum arelic, copal, emyork, olibenum, Utellium, amafootid, driod frite, hornas, and lallion. The returne ane grain, lengal and China sugar, Dritiab manefactared grode, cotton and woollen, and apices. The merchamine ant to Caloutte from Ruanbyy, in return for sugar, indigo, apol roes, aro umber, coir, cocom-nuts, andal-wood, and cotion.
Cotsua formas the mort important articlo of expart from Lismbay. It de reoetred from the provimeen of Gujerat and the Conean, from Malstar, Cusch, asd susda Tho shipmesta from Fingland to Bombay comas of the urun mortmont of Ifrilish mannfacturbe sad methls; tho revertin for which are zmale in Porvian raw aik, cotton-wool, upices, grime and draga

Aroutes tho zocreantilo entablinhanezta conductod in Bombay aro an firarmos ocup ayy, lamkn, amint. tce Au experimental lino of milway frum Bumby, to or pear Calian (a dintance of about 10 miles), - Ls a riow to la oxtoanjot to the Malarj Ghats, wan anthorined la 1519. The linet ladia Cumpang grames the land that inay the requirod,
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The mamea from the port of Bomber are connilelered to be the loot manotr the the ireo of lantia. The wesfora cowrts of India aro infertod $\mathrm{by} 2 \rightarrow$ peratuel remis and to keep them lo clueck it hen been noonery fur the liant ladus Cotrgany to maintain a consirlermblo medf at thlo atation. The mary thun mantainod la not for the
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 I SJD a plan wo alopted ander the united maction of the Admimity, tbe Trmangy, aod the Eient ladia Commay, for a regular monthly tranmianions of raule by etemen, by way of Alexmadria and Suez; nut

(ILemoelf: Jrevir of a Map of Jlomimptas: Mill's Hinfory of frownd Indies. Vinceat'e Plerigdme of the Rirgthreat Sira, part ii.;
 Pepre (INdus, 1N: 8 )
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 - f hrom cove are Rarupenar Itlie on the weut mlide of a bay In - t-i chore in good anclorage. Tha bartwur which wan forinerls ebatel ep rith anel hae loee greatly limprored by the fronch, and Ihan not hen rqular elena commuxicutime with Aigiern, Tunin,

 forc of a hull which rime to then nth asol north. weit of the lown,


 $1 \rightarrow$ celen The cluef suftese of the plise th fort Ciengue, which in cetingel ca the hill ulove tho town. The otreets are marrow anil


 thes $t$ csum is mow mote beore I'ruch thas Aralio it appearance
 enves the artulien i-cural. The exporto include com, wool.
 Braa conlainad oaly leferean 2000 and $\$ 000$ Lahabilatit

Along the comst cout ward of Boaa were tho French sotuloments of Ia Callo and lleation do Franos, which Franco relained by muciont tnemica with the liequacy of Algien for tho jrotection of tho coral Ahery along this onme

Ihas In a corruption of the ancient anmo $11 i j y$ mun or 1 lippo; tho Arale onll is ibleniel-Arole. Tho conntrg about it in very fortile in corn asd frujta Betwoen the town and tho Seiboon in a marsh, whicis in conamed by two amall rirem that fluw into tho Seiboos jumt mbore its eutrance into the mean Thin maral in bolicrod lo have lioen tho auciont hurbour of 11 ipho Ilegiun, tho ncanty remains of which town are meeu about a ruile and a balf south of 1 hom . Of 11 ippr . St Augustime wa bishoyl; tho Lowa wan destroged bje tho Kialif Otbman.

110NAVISTA, or BOAVISTA. [Carr VEMDE]
13ONC11U13C11. [W'somt, IsLe of.)
HON111LL, towts in the pariah of lhonhill and district of loveuax or Lennos, Durnburtonnhire, Scotland. The pariall in divided in its length into almont equal parta by tho mouth end of 1.och 1.omond, and tho river formed by it, the Leven, from which tho district dorired ils wame, and which fallis into the Clyde at Dusubarton. The populatiou of tho town of Bonlill in 1531 was -327.
The town is eitunted ou both banke of the Loven, about fire milen abore Dumbarton A mile menrer thin town and on the right bunk of tho stream is the chriviug village of Alexandsia, with a populatiou of 3781.

The inhabitants are chiefy ongaged in print-works and bleachfields on the baaks of the Leren, the water of which, from its softness and purity, is peculiarly fited for the jrocesses of priuting and bleaching. Coala, lime, and other articles requined in mauufactures aro brought uj) the river in ahallow broad-botcomed lightera. The cy tonsiro workn on the river are generally tho property of mercantite housen in Glangow. The Leven is celebrated for ita finc salmon and erout.

Beaides tho parish church of Eonhill thero is a chnpel-vf-ease at Alexandrin. At both places aro clinpels for Free Clurch and United Presbyterian Dinsenters. There are also two chapcls in Alcxandria for ladependents
130. IFAClO, Town and Struit of. [Corsica] ]
$130 \mathrm{~N}^{\prime} 1 \mathrm{~N}$ or AiZZOBISPO 1SLANDS, a group in tho Japanese Sea, extent in a direction nearly north and enth betweon $26^{\circ} 80^{\prime}$ and $27^{\circ} 45^{\prime \prime} \mathrm{N}^{\circ}$. $\ln \mathrm{m}, \mathrm{the}$ centre line of tho grouy being in about $142^{\circ} 15^{\circ}$ Fi. long. Tho inlands were named by Cay ain lboechey, who visited them in 189\%. The northern cluster he called 'Parry's Groun; ' to the middle clunter, consinting of three larger island, he gave the מames rumpoctively of 'Pcel,' "Buckland," aud 'Stajletou," and the nouthern cluater lo called '1kaily': lainuds.'

The imland are of volcanle fornation, aud smoke is scen to issue from some of them: they are high, aul wooded to the shores The coanta aro nteop and craggy ; in many places baaltic colununs of a gray or groenish hue appear: olivine, hormblonde, and chaicedony are fouud. Tho inlands are surrounded wilh sharp rugged rocke, and often with conal reefa: tho water around them is rery deep. They are all unimhabited excejt l'eel laland, on which a few liuropasna and Malays lave settled near Port Lloyd Tho inlands abound in tho cabboge and fan jualma, the former of which in an cxcellent regetablo, srecn, panlauks, Larmanu of Otabeite, and various other trees : the sua almo contaius abundance of turtle, ray, ecla, cray-fish, aud a great varicty of other finh, of the mout beatifnl colours. Of bind thero are brown herons, plover, railm, anipe, wool-pligeona, erows, and amall bircls; Ano a aprecies of vampire bat, mome of which mensure three feet acrome the extended wingw, with a loody cight or nine inches ia longth. Tho inlanda aro mubject to enrthquakoa, and in wiuter to violoat morma. Tho 1 bonin lelande abound in good harboura, and are frequently visited by whalers, who go to them for turtlo, Anh, and the cabluge jaim.

Tho Rslands were viailod in 1853 by Commodore Perry of the Cnited Statew nary, who reoonmended the purchase of Purt ldoyd en a stopping place for ntemnem between Califormia nad Chima. From the Connmodore'n diapatch the foliowiag notioe of Peel Inland in taken with ulight alveratiorn and osminvions:-
"I'ort Lloyd is nituatal on the wentern side, and nenriy in the contre of l'ool Inland. It is eany of ingress aud egress, and may bo comadervel a mife and comuodioun harbotr, though of deop anchorago, shipm unually anchoring in fma 18 to 22 fmehoms. The wifest anchor. age in to bo found ma lugh up the harbou as a mip cnn convenicatiy go, havling regard to dejth and roon for winging and voering cablo. Wood and water can bo obtained in abuadane, though the formor muat ho cut by the cnow, and of course inken on board green. The Water in obtajned from running neremans, and is of good quality. The fow mettlera still romaining on l'oel laland raino cousiderablo quantition of aweet potatoca, Iadian corn, unionm, thro, and a few fruits, the mose abusdant of whichare water-melona, banama, aud pino apiles; n fow pign and sorno proultry are almo rained. For thens they find ready sale to the whalonbipe constantly tonching at the port for water and othor supplien; they recelvo la exchange articles, of which andent apirits are mont acceputable to many of the mettlers. The soil is of excellemt guality for cultiration, very much renembling that of Madeira nad the Canary Inlanda (the latter being in the aame parallol of latitude), and conmerquently it is admirably adpited for the cultivation of tho vinc, aurl of whent, tobeco, sugareane, and many other raluable plants. Of
sugar and tobacco tbe settlers already cultivate enough for their own consumption. Timber for building purposes is rather scarce, and would soou be exhansted if any increase of population were to call for the ereetion of mauy buildiugs. Tho best kinds are the tamana and the wild mulberry. The former is similar to the red wood of Brazil and Mexico, and is very durable." Commodore Perry caused the island to be explored, and a fcw auimals placed upon two of the group. He also distribnted garilen seeds among the settiers, and secured a suitable spot for the erection of offices, wharves, coal sheds, \&c. at Port Lloyd.
(Aurigacion Edpeculutira y Pratica, Manilla; Beechey, Toyage to the Pacific and Behring's Seraits.)

BONN, a town in the Cologne circle of Rhenish Prussia, is situated on a gentle eminonce in a pleasant and fertile country on the left bank of the thiue, 15 miles S. by railway from Cologne, and has 20,000 iubabitants, including nniversity students and the garrison. it occupies tbe site of the ancient Bonna, a town of the Ubii, which became the head-quarters of a Roman legiou, and, according to Antoninus's 'Itinerary,' was afterwards kept up as one of the loman strong-bolds on the luhine. It rose ultimately to be a place of sorne note, and in the timo of Tacitus was considered to be in that division of Gallia Delgica whicb was called Germania Secunda According to Tacitus ('Hint.' iv. 20), the Roman troops under Merennius Gallus were defented near Bonn by the Batavi under Claudius Civilis. Bonn is eaid to have embraced Christianity in the SSth year of the Christian era, in consequence of the prencbing of Materuus, bishop of Cologne ; it is known that lielena, tbo notber of Constantine the Great, about the year 316 built the church in this town, on the sito of which the enthedral was afterwards built. In the yenr 355 Bonn was destroyed by an irruption of German tribes, and in 359 it was recovered and rebuilt by the Emperor Julian. In 755 Charlemagne crossed the Rhino at Bonn, in his second campaign against the Saxons; and in 881 it was almost ruined by the Northmen. In 1240 it was surrounded with walls and a ditch by the archbiahop of Cologac, who conferred a variety of immunities npon it: from the year 1320 it was the coustant residence of the archbishops of Cologne. The Emperor Clarles IV. was crowned hore in 1346, about whicls time it had risen into sufficient importance to couchndc a treaty of defensive alliance with Cologne and other towns on the lhhine, when it undertook to furuish an auxiliary force of 500 meu. Drring tho thirty years' war Boun wan exposed to great sufferings and vicissitudes. In 1073 the Frunch, who had possessed tbemselves of the place, were basieged in it by the prince of Orange and Montecuculi, and surrendered after a slight rusistancs: having regained possession of it fifteen years afterwards, they extended and greatly strengthened its defences. ln 1059 it was taken by l'rederick III., elector of Brandenburg, after a three months' siege ; aud in 1703 it was captured by the Duke of Marlborough, tho operations of the siege having been conducted by the celebrated Marshal Cochorn. The fortifications were razed in 1717. In 1777 Maximilian Frederick, elector of Cologne, founded the academy, which was enlarged into a university in 1 Is4. This uuiversity was dinsolved by tho Frencb, and remained in abeyance while they held Bonn in Napoleon's time, but was re-established npou a more extensive scale in 1818 by the King of Prussia.

The town of Bonn bas the Rline for its eastern boundary: it is skirted on tho sonth by the former electoral palace, and on the north and west by the cantiedral, and a succession of gardens which stretch as far as the banks of the river. It has the appearance rather of a modern than of an ancient town, and though it caunot be termed a well-built place, for soveral of the streets are narrow and ill-lighted, its appearance at a distance, with its white palacc, now tho miversity building, the steeples behind, and the gardens all round it, is cheerful and pleasing. The air is at times bleak and cold, in consequenco of tlee currents occasioned by the heights that hang over its low site, whicb is placed at the point where tho Ihline craerges from between those heights; the evaporation from tho river also renlers the atmosplicre damp. Bonn is nearly of a circular figurc: tho distance from the Cologno to the Coblenz gate does not exceed ten or twclve minutes' moderate walk. It contains above 1100 houses, built in a substantial mamuer, 29 public edifices, 8 churches and chapels, 9 mills and manufactories, and 5 gates. The inhabitants derive tbeir subsistence cbiefly from the university, from their fields, gardens, and vineyards. Tbe chief manufactures in the town are cottons, silks, and sulpburic acid. The buildiugs withont the gate aro on the increase, and so disposed, inder tho direction of a board, as to be ormamental to the town. Among the open areas the market-place is the mont spacions; but the square planted with trees next the Minster or Cathedral, and thence called the Minster-plntz, is the finest: hero is tho monument of Beethoven, whone house is in the Bonngasse. There is no public cdifice in Bonn to lee compared with the Minster (dedicated to St. Cassius), an ancient gothic structure, probably of the 12th or 13th century. lu the interior in a bronze statne of St. LIelena, kneeling at the foot of the crost, as well ns bussi-rilievi in whito marble, represcnting the birth and Inputirm of our Savionr. In the church of St. Remigius there is a fue altarpieco in oils, in which Spielberg the pninter has represented the baptism of Clovis, king of the l'ranks, by the patron saint. The towi-hall, which is on one side of the market-place, is a handsome elifico in the morlern style, with a double flight of stone steps in
front. Boun has also a gymuasium; it is the sent of the superior board of miues for Rbenisb Prussia, and of two tribunals for civil and criminal affairs. Among other scientific associations it possesses an academy of naturalists and a society for promoting the seiences of natural history and medicine. Upon the re-establishment of the university the electoral palace at tbe southern end of the town was appropriated to its use. Tbere are five faculties-Protestant tbeology, Roman Catholic theology, medicine, jurisprudence, aud philosopby, Tbere are attacbed to it forty professors in ordinary, and ten adjuncts. Besides the lecture-rooms, the university buildings contain a library of 100,000 volumes, a collection of Roman antiquities, au academical hall ornamented with frescoes, an anatomical tbeatre and museum, a cabinet of surgical instrumeuts, a museum of natural history, geological collections, a philosophical apparatus, and an observatory. At a distance of less than fifteen minutes' walk from the town lies the couutry residence of the forner electors of Cologne, Clemensruhe, near the rillage of Poppelsdorf, which contains collections in uatural history, geology, \&c., the chemical and technological Inboratory, a gallery of paintings and engravings, and Iccture-rooms, besides apartmeuts for the accommodation or use of the officers and professors of the university. Thero aro five elementary schools in the town, as well as a free-school for 300 poor children, an excellent library of scientific publications and a mineralogical collection attached to the board of mining, and several benevolent institutions. To the university is attached a botanical garden, and also an agricultural institute, which lans an area of 120 acres devoted to its purposes, and a manufactory of eartbenware and pottery at Poppelsdurf.

BONNE'TABLE. [SARTHE.]
BONNY. [BLafRa; Quoria.]
BOOLDUR. [ALEUTLAN IsLaNDS.]
BOOMC [ANTWERP.]
BOONDE'E, a principality in the south-east quarter of Rajpootana, under the protection of the Anglo-Indian government, betweeu which and tho Raja of Boondee a treaty was concluded in 1818. The area of the territory is 2291 square miles; the population is estimated at 229,100 . The revenue is about $50,000 \mathrm{~L}$ a year, irrespectivc of the revenues of fendal grants and religious endowmeuts. 1 tribute of about 40001 . is payable by Boondee to tho Company's goverument. The military resourecs of Booudee comprise 1000 cavalry, 520 infantry, and 150 srtillcry, besides a police-force of 2000 men , and an irregular feudal force of 2500 . The boundaries of Boondee aro Kotah on the S. and F., Jeypoor and Oonjarm oll tho N., and Jajgbur on the W. [Ilaspootava] (Mili's British India; Parliamentary Papers.)

BOONDE'E, the capital of tho abovo principulity, in $25^{\circ} 25^{\prime} \mathrm{N}$. lat. $75^{\circ} 42^{\prime} \mathrm{E}$. long. The old town, whieb is neariy doserted by the inhnbitauts, and for the most part in ruins, containssome fine parodas and fountains. Tho new town, to the cast of tbo old town, is inclosed by high stone walls and connected with fortifications on a cliff behind the town, and commanding it. . The greater part of tho houses aro built of stone, and are two stories higb. At one end of the principal street stands an cxtensive temple, dedicated to Kirishan, covered with groups of figures sculptured in ribevo; at the other cud is the great palace of the rajn, built on tho side of tho hill; tho intermediate space is occupied by two rows of shops fantastically ornamented. At the lower cud of the street, uenr the tempic, are figures of the natural sizo, cut in stone, of a horse aud an elephant-the latter raised on a pedestal. On the north-eastern side of the city is a lake which is supplied witb water during tho rainy season by another great lake artificially formed by embankments on the high grouud. The pass through the hills north of the city is moro than 6 miles long, and at three spots is defended by bayriers. Near to one of tbese harriers is a summer residence of the raja, and sone Hindoo temples. Adjoining the second barrier is the cemetery of the rajnis family.

BOORHANPORE, a large and aucient city, formerly the capital of the province of Candeish, on the right bank of the Tuptee River, in $21^{\circ} 19^{\prime} \mathrm{N}$. Lat., $76^{\circ} 18^{\prime}$ E. Iong.; 240 miles from Bombay, and 978 miles from Calcutta. This city is onc of the best built in the sonthern part of Hindustan ; the bouses aro generally constructod of brick, and are two or three stories bigb. Many of the streets are wide, and paved with stone; the market-place is a largo and substantial building, but except the principal mosque the city is without architectural ornament. The mosque is of gray stono, with au extensive façade supported on arches, and it has two handsome minarets of an octagonal form ; in front are a fino terrace and a resarvoir of water. Boorhanpore, which had been made the scat of government for the soubah or viceroyalty of Candcish by Aurungzebe, was taken, together with the rest of the soubah, by the Mahrattas about 1760 . Tho principal commerce of the flace is carried ou by a peculiar sect of Moliammedans known as 'Bchrih,' but who call themselves 'Ismaeliah,' from one of the early followers of Mohammed. Many of them aro very wealthy; their mosquo and cenctery are about 2 miles from Boorhanpore. Tho Tuptee is hero a narrow river, and fordablo in tho dry season. Wiater for the supply of tho city is brought by means of an acqueduct from a distance of 4 milos, and is plentifilly distributod through evory strcet. The grapes which grow abundsutly in tho neighbourhood of the city, are snid to be tho fiucst in India.
LOORO, an island in the Eastern seas, situated betwecn Cclebes aud




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 not 1 w ghas on tho liank of the Unagen, torether with a marov thed of convery in: the foot of the Dope The nurftice of
 - Wh ero extoveoly nerrow, aro tnaremod ly rivera whleh for many 2 aro a mbecocion of ontarncta abd sapids. Bootan Induden the Ch in Fity of the litmolgy menge, nad berv on the bonndary of Thes acools the Chamalari whlch rtee so a Leight of about Ether foel The Soumoorang Frea, one of the litghert of the pant over the 11 amaligh lo the divtrict, in 15,761 feot aboro the bod of Calethe

The narthers parte of Dooun, which beloag to tho alpine recion, ezs- 1 ocmiturn frow the lowsdary of Tibot and along the wouthere tep of the Itianemy for aboct 10 miles it appeara that within
 Ths repul dinoret concilutes the clanseter of tho nortbern dinericte of his ; exlilbuters difervat botamical fenturen an tho had dewoenda. The there suah forle like tornas?, fomming violenty among huge ners of roel thet obstencet thair torteoun ounnae, In which they danh fene io so tho ollow. The maray rinhy from the unmerous
 aifty $y$, cven itw mummer. The upper regione aro unishabittiry exopu duran a fow mummer moatha
(. Me - io thit fahoupltablo alpine region in the beet cultivated Fill thotins, in occejuim abont omo-balf of the whole connery: Then tahly ve, or rarcly, atcain the lielghe of 10,000 then linotid whe do declivitios. The sides and aummin


The vert aro fily, and procets many fortilo opots, whero
and form grow th gress rariely. Numeronh villagen, bertailagea, efinge ane dithatol up and duwn the hill and along tho ble of the rivers. The cilmato rewembles that of the southern niling of B rin
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 $\mathrm{g}=\mathrm{t}$ tho lo thames provluon of the woode Thlo recrion in axpoect
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 etas in ly, a a wileat ivinlet. Ore inep ehoma, two ropes

nuno matorial. Tho powouger flecen hlmself botwoen them, sitting In the lroop, aod exizing a rope in ench linnd, olide hirnswlf along with Pail' !y and queat orer a eremend ou abyes.

The wont conmderable river of lhotnn is tho Tchin-tchien, ribieh Inverven the whole oomstry from gorth to mouth, riaing in the monn-tain-rumpe betweens the Chan olari and Moumt Ohmane, and running by Tasiondon; It rocoiven tho Pa-tchien and tho Ho-tchien, and after a turbulent conme jolne the IBmmaphtra near IRangamatty. Linatwaml and parallel to the T'chiss-tchien is tho Chani-telion, formod by the onduence of tho Ma-tchien, Pa-tchien, and Taban-tchien; it entera the Hfrumpitra within the confnes of llongal. The mpidity of all ho rives of l3ojenn is far too great to allow of cither anvigntion or Irrigation.
In Use hilly country the slopes are cut into stagee, and the rice pinnted on them in watered by the deecending otreamo, which are made to orerflow tho bois onecersively. Tho untives show much induntry in tho eultivation of their fieldn, which aro alwaya neatly dremeal. llowide rice thoy cultivato whoat, barloy, and o apecies of the polfgonum of Linneun, whleh producen a tringular need, nearly the mixe of barley, and is the common food of the people in many places. The level tracts along the Tehin-thieu jich two crope in tho year; tho find, of whent and harley, io cut in Jurse, and tho rice, which in planted immodintely aftor, enjogs the benefit of the rains Turnipn, enolshlatn, ouseumbers, gonmin, and inolons are culeivated.

Of domontic suimals only Lorses, cottle, and hogs are kept, The hones are nearly all of a peculior species, indigenous in IBootan. They are unually 13 lunsda high, ond remarkable for their just proportiom, uniting in on emanent degree both otrongth ond beautr. They are commonly of a piolald colonr, with rarious eladen of black, bay, and sorrel upon a ground of the purent white. The chowry-tailat ettle, or ynt (Bos grunniens) panturen in summer among the snowtoplred mountaina whlels constitute the boundary between lhootan and Tlbet, and in tho winter it demoends into the deep glens farther to the eouth. lbeen are connmon, and are managed with enre.

There are no towne in Bootan, and the villnges generally cousist of not saone than ton or twelve housea. Only tho palaces of the lamas, of the llaeh Iknja, and tho goveraons of the provinces, have ony degreo of importance. The fortreswen aro built on very adrantageous vites, gonerally at the confluence of two rivem. The notives of Buotan, called by the Hindooo lhotocan, or Botiyas, are auembers of a very oxtemiro llimaloys nation. They bolong phyniologically to tho Chinee and liirman raca. They are lluddhinta; but in their religions ceremonies thoy difter whlely from other nations. Their temples are omall squares, in which the image of Bualdha is preserved. They aro mever opened, ond the whole divino service of the jrepule consists in procomions mallo round the temple, acenapanied with the mystic vonda, "Um mass ui par mo batu !" " tho jewel of the Buddhiatie fulnoes in truly revenled in the I'adina (Lotus) flower.") Near the templus ane many tall Ingataff, whicls have nanow banners of white eloth reaching nonrly from top to bottom, and inscribed with the mane myatio worda. The smme wonds cut in relicf are inscribed on tablets insertod in walls orected near the tenplles. Tho lwotecas coneidor tho Dherma Rajn an an Incnrmation of tho Divinity, and he is tholr eccleviastical chief an well as their sovercigu. Being entirely ahoorbed in the contempletion of tho Divinity, he takes no part in the interual or external affirm of the country, which are entirely left to the managenuent of the Daob Raja, except that the Dherma Kajn appoints one menher of the stato council. Thle council consists of aight permone, without the asmistance of whom the Daeb Raja can do nothlag of consuquenco. The number of prients, called gylongs, anomuts to aywarls of 5000 . Thelr principal duty consists in she study of the religlous bookn, which seem to bo numerous and fall of metaphymical diotinctions. They are bound to celibacy, and are not permittod to cultivato the ground ; but they inay enter into trade, aunl accept pmblic oftices. The Booteen do not kill any animal, bue they ant tho thewh of thaso which have loen killed by others, or have died. Now-born chlldren ano wanled the first dar with worm water, and tho following day they are lmmernel in a coll river. No religiouo core monies are olmerred on entering into inatrimony. It is asserted that polygnany oxints mang the rich, and polyandry among the joor. The teml aro bument, and the gy*longn officiato on much occasions: thu anhen aro thrown into tho river. Un the house of the bumed person Alygutafta aro eroctod, in order to nocelerate the rogencration of the owner.
Hootan haw littlo mineral wealth. Only iron ond copper are found, and lrom only is worked. Potter a-cloy la ohtained in a few districta Some commerce in carried on by lhoutan with all the neighbouring conntrion; the innut fmpertant is that with Iengol and Tibet. The ormmoditles for Itengnl connint of Tangun horses, linen-cloth, monchus, chowrtes, rangen, wolnuth, and nnangt (o kind of rod colour); they sro bronglit ho liungenoor, wisero they are osehanged for woollon cluth oonme collons, indigo, mbilal.wood, manfoctila, nid plece, all of which s-tlcles orv cossaneel in the country or sent to Tibeh Tho some ommoorlitices nocent to Nepoul and Asam, with the fuldition of rock mil Port of the omamodielen bronght from lheagal are oent to Ii'louma, in Tibet, whth rice, wheat, rad four. Tea, gold, silver, and embinulforiow are recolved in exchasige. The lsooteean import from Cutcls Belar cattle, hogm, driad fish, betel, tobacco, and conrsc cottons.

Commerco in Bootan is monopolised by the government, the goverans of the provinces, and their officers.
(Turner's Embassy to the Teshoo Lama, and Kishen Kant Bose, in Asiat ic Rrscarches, vol. xт.)

## boothia. [Norti Polar Countries.]

BOOTLE, Cumberland, s market-town and the seat of a Poor-Law Union, in the parish of Bootle and ward of Allerdale-above-Derwent, is situated in $54^{\circ} 17^{\prime} \mathrm{N}$. lat., $3^{\circ} 20^{\circ} \mathrm{W}$. long., 60 miles S.S.W. from Carlisle, and 278 milen N.W. from London by road. Bootle station of the Whitehaven and Furness railway is 361 miles from London by railway viA Carlisle. The population of the parish in 1851 was 811. Tho living is a rectory in the archdeaconry of Richmond and dioceso of Cheater; but this part of the archdeaconry is to be hereafter transferred to the diocese of Carlislo. Bootle Poor-Law Union contains 19 parishes, with an area of 91,700 acres, and a population in 1851 of 6007.
Bootle is about two miles from the cosst of the Irish Sea. The town, which is one of the smallest market-towns in England, eonsists of a long street of tolerably well-built houses. The chief building is the church, the ollest portion of which is probably Norman ; the greater part is of early Euglish dato and style. The font which is of black marble is aucient and curious; on it is an inscription in Anglo-Sason characters. There are a chnjel for Independenta, snd a National school; the school-bouse was built in 1833 by Captain Shaw, R.N., who also left at his death in 1840 a sum of 8000 . to keep the building in repair. The inhabitants of the parish are chiefly agricultural. A considerable trade is carried on in curing hams. The chief trade in provisions is with Liverpool. The market is held nu Wednesday. There are fairs on April 5 th and Scptember 2tth. The lofty mountain, Black Comb, celebrated for its vast extent of prospect, is in the vicinity of Bootle. At Seton, in Bootle parish, are some vostiges of a Beuelictine nunnery. Thero are also remains of stone cireles and othor primeval antiquities.
BOOTON, or BOUTONG, an island of the Enstern seas, lying off tho south-eastern extrenity of the island of Celobes, round tho point, $5^{\circ} \mathrm{S}$. lat., $123^{\circ}$ E.. long. it is abont 85 miles long from north to south, and its average brealth in about 20 miles: it is nepamted from tho island of Panjassang by a narrow but deep channel called Booton Strait. The island is monntainous and woody, but is well cultivated in parts, yielding abundaut crops of rice, maize, yams, and tho usunl variety of tropical frnita. Fowls and goats are reared for food, and buffaloes are pretty numerous.
On the east side of Bootou is a deep bay, called by tho Dutch 'Dwanl,' or Mistake Liny. There is danger in calm weather of slipss being drown by the set of the currenta into this bay, in which cnas they can only get out again at the eoming in of the went monsoon. South of Dwanl Bay is Booton Panange, which meparates tho island froin tho extensive and dangerons reef or bank on which the Tonkang. basi Islands lie to the enstward. To the west of Panjassang lies tho island of Cambyna, next the month of tho Bay of Bony, and farther west is the island of Salayer, which is separated from the Macansar peninsula of Celcbes by tho Snlayer Strait. To the south of Salayer lie the Tonin and Sehielnm gronipe, and betweon them and tho Booton Pamange the Tiger Islands, senttered over a reof 60 miles long by 50 milon wido.
The inhabitants are Mohsmmedans; those who reside on the seacoast speak the Mnlayan langunge. The island has an independent government under its own king, who rules likewise over some of the neighbonring islands. The Dutch East Indin Company formerly maintained a settlement on the islaud, to which they evory year sent an officer th destroy tho clove-trees, under a treaty with the king of Booton, who received an annial payment of 360 guilders (about 30l.) as an equivalent for the privilege, and for the assistance which be bound limeolf to give them in destroying the treen.
(Stavorinua, Voyages; Forrest, Voyage to Newo Guinca.)
BOP'AUL, [BMopaL]
BORDEAUX, an important seaport town in Franco, tho capital of tho former province of Guicme and of the present department of Gironde, stands on tho left bank of the Garonnc, 75 miles from the mouth of the sestuary of the Gironde, in $44^{\circ} 50^{\prime} \mathrm{N}$. lat., $0^{\circ} 34^{\prime} \mathrm{W}$. long. It is 850 iniles S.S.W. from l'aris by the railway route through Orleans, Tours, Poitiers, and Angoul0me, which is all finished except the section between the two lnst-mentioned towns, and this is rapilly approneling completion. Bordosux is also 360 milcs distant from Marveille by the railway now in course of construction through Agen, Toulonae, Carcnasonne, Narbonne, and Cotte. A milrond 34 milcs long, aud running west from lordenux, conuecta it with La.Tetoilo-13uch, a nuall seaport on the Bassin d'Arcachon; and from the La-Mothe station on this line a railway is in enurse of construction to Bayonno. Tho population of Boricaux accordiug to the Census of 1851 was 123,935 , including the whole coummue, which comprises littlo more than the eity.
Tho city extends in the shape of a erencent about four miles along the river, whinl here bends with a rapid sweep from north-west to north-enut. A magnificcut bridge of 17 archos and 632 yards long joins the city to the mburb La-Bastide on tho right bank of the rivar. The view of Bondeanx from this bridge ia splendid. Opposite, at the entrance of the town, is the Porte de Courgogne,
built to commemomto the birth of the grantson of Louis XIV. Along the river bank extends a broad causeway, a line of quays above threo miles in length, and behind these a crescent of benutiful houses and stores, built of cut stone, and in the Italian style of architecture; while in the background spring up the numerous towers and splres of the churches and other public buildings of the city. Below the bridgo tho river increases to 800 yards in width, formiug a large aud anfe harbour, which is capable of containing 1200 ships, and has from 10 to 39 feet of water at high tides. Vessels of 600 tons can load and unload at all times elose to the quays. The greatest breadth of the town from the quays inland is about a mile; but towards the north and south the width is much less.
Bordeaux consists of an ancient and modern part, separated from each other by the Rue Chapleau-Rouge, which runs cast and west aud forms with its coutinuance the liue de-l'Intendanco, one of the finest streets in Europe. To the south of this strect lies tho ancient part of the towu, which consists of irregularly built squares and narrow winding streets: it contains but few handsone houses, though theso are generally built or faced with cut stoue. The northern part of Bordeanx, called the Qunrtier des Chartrons from the Carthusian convent which stood in it, was formerly a suburl, cut off from tho rest of the city by the Chateau-Trompette, a citadel erected by Charles VII. and strengthened by Vauban in the time of Louis XIV. The citadel has been demolished, and its site is now occupied by tho Place Louis-Seize (whioh was called for a time Place Lonis-Philippc), and by several fiuo streets which connect the Quartier des Chartrons with the rest of the terwu. This part, which is well and regularly built, is the residenco of the priucipal merchauts. The towu has extended towards the west and south also far beyoud its ancient limits.
A distinguishing feature of Borlenux is its 'Cours' and its 'Places.' The former ano wide streets liucd with rows of trees, which form shady avenues on each side, and run through severnl parts of the town. The prineipal of then are the Cours d'Aquitriue, the Cours d'Albret, the Cours de Tourny, and the Cours du Jardiu. Public, which form a continuous bonlevard two miles in length, round the most closely built part of the town. The Places are open spaces surrounded by buildings : in ehaje some of them are square, somo cireular, and others are more liko our parks than squares, being of large oxtent, laid out in walks and planted with trces. Bordenux contains 40 of theso Places, the largest of which aro the Place LouisSeize and the Jardin-Pnblic : theso coutnin from 18 to 20 ncres cach, and aro laid out in tho mannor described. Tho Place Tourny is at tho jumetion of the Cours do Touray and the Cours du Jardiu-Public; it is moloraed with a fine atatue of M. de Tourny, to whom Bordeaus is indebted for most of its modern improvements. Tho Place Druphine at tho southern end of tho Cours de Tourny is of circula. slanpo ; the beight snd regnlarity of the buildings which surround it render it one of the finest Places in Borleaux. The Place Royalu is on the quay; its proximity to the bourse, the custom-liouse, aud the port make it the rendezvous of foreigners aud men of busiuess. The Place do llichelieu is almo on the quay; it stands between tho Place lioyale and the Placo Louis-Scize, and is magnificently built.

Bordeaux contains many beautiful churches. The gothic cathedral of St.-André was built by the English in the 13th centing. Its whole length is 413 feet; tho choir which has a gnllery nud lofyy clerestory windows is 193 feet long, 53 fect wide, nud 85 feet high. The interior is lighted through painted windows, and cmbellished with sculptures and bns-rcliefs. Tho srouthern façade is flanked by two unfinished towers which riso on each side of a triple and decply recessed doorwny decorated with a profusion of sculptures. Tho uorthern front has a similarly dccoratod portal surmounted by a splendid rose-window and galleries of benutiful stone-work tracery; aud ou each side of the doorwny spriug up two highly decorated gothle towers surmounted hy elegaut spires 262 feet liigl. When infidelity oceupiol tho high places in France after the first revoIntion, the grand portal entrance at the western extrcmity of the nave was blocked up. A simple opening scarcely descrving the nauno of a door wns made after the restoration of public worship, aud still remains. This western portal dates from the 13 th century, and is of grent clegance. A grant of half a million of fmnce was made in 1853 at the instance of the emperor Napoleon III. to restore this western façade and reuder it wortliy of tho rest of tho edifice.
A tower 200 feet high, called 'La Tour Poyberland,' from Archbishop Pierre Berland, who built it in 1440 , stands at the east end of the cathedml, but apart from it, and serves it for a bell-tower. It was converted iuto a shot-tower during tho first French revolution. Of the other ehurches the most remarknblo are those of St. Nichel, built by the English in 1160, Sninte-Croix, St.-Seurin, Notre Damc, aud Des Feuillans. This last is now tho collego church; ; it contains the tomb of Montaignc. At tho wcstern extremity of tho town is the benutiful church of tho Chartreuse convent, the vineyard of which is now turned into a ccmetory. Thero aro two reformol chapels aud a Jowish synngogue in Bordeaux. Among the other public buildings must be mentioned the former palace of the arch bishops of Bordeaux, which, after often chauging its destination since 1791, becamo tho town-hall in 1836; the theatre, a beautiful structure iu tho Coriuthinn stylc, and the finest building of the kind in Frunce; tho boursen or exchange; the custom-house; the great hospital, eituated


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 A Puin 1'Srigurux, Ialliucholle, and lugon. Rordeanx
 In ins with the Acendeny there aro a fuculty of theology, a moondery achool of medr ine, and an evdowed cullege. Thero ano also avoul banroal andes achoole of arohitecture, hydrugraphy, naviphe Lutasy. and matial historg, aud a largo cotablistimout for diat fiten the towa is the recidesce of a great number of foreign oveoth and the head-quartorn of the 11 th milutary diviaion, which th loile the departmenis of (Sirond;, Charente, Charent-Inferieure, Then and lotes-Garunive.
Ihelas ith alrantagoous praition for forcign conmerco Bordeaux
 ITMar aurluos of sbe intarior of Frizoor, and by the Canaldu-Midi it has an wis the Xolliserranem, and in able to rival Marseille the mo of eolorial prowloce Wine, lrandy, and fruitn aro the el $f$ arlh, of esport The MCdoc or clanet winea aro sent chiofly 2. Thaed end llacias ; the infcrior morts to 11 othand and Cormany. Lango qual of wine aro aleo shippel to Am ricm Other articlea of 1 ere-all Linds of bronlituffe, bezpp, flax, pitch and tar, ent. I, चl proviviona, hanlwane, melals, cothonyarn, ship timber, Ir meg shipw siteml out at Borloanx for tho whale and cod fiterm The mind facturem of tho covn are jewellery and plated
 moph prolectas mo iul inntrumenth, te. Thore are aloo - 3 work caleoco-fo it is, ropowalle, snd dockyarik, glaes snd proluch, thy dy pepper, hidlos, bobmeco, and rice are the panipul heporia Thero is a rerilar nervice of packets frum Bord.fx in the llaream and the const of Mexico.

Thanlosas resuyins tho nite of tho Ifoman Bherliygala. The city bar $t$ band detmyed by lro aloont A.12, 260 was rebuilt by the Nomane Ia tho ith oentury It lecatio the capital of Aquitania Keverta of to atate af that tlrae Aunonius, who wra A native of Ilampata bas Jof a deacription in hls "Clarso Eithem, xir. is The optan of tbo lioman lhonligale wanol uader the alighting sway af ibe tarcibe whe meckel 18 on th ir way to spmia, nightheld it till dute defes at V IVS by Cl rin, nearly a ceatury afterwaria, whens ther anadoond the cown wo the cooqueror. Under Charlemague it wo gorerbel by a couas of 1 s own, Lecazao nanain frowperouaga, and


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reanaly of tho right of molfgoverniment ly a mangur nad nix jurais eloctod by their follow-citizoni, wero sostorod in 8550 by a ruysl elliet. In tho roligius wam of tho 1 itls century Bundeaux was the meene of tenay orucltion againut the refornome in the war of the lirumle it opplowal tho court garty, and wan ewico hlockaded; and ly nil entict in und is $10^{-3} 3$ tho parliment of Ihondous whe removed to Condum, an 1 mubeoguoutly to La.llisole, aud trojps were quatered annulg the eitizene to curb thoir rolellious apirit. The marlinument returnol to Dunlonix in 1090, sad the city enjoged repose and prosperity till tho outbrenk of the gneat French lhuvolation. On the territorinl divisions of France afor that evont it hecame the capital of tho deprutment of Giruade In 1811 the citizens, headed by the mayor, M. Leynch, ulrancod to moet the l:nglish troupe, delivered to them tho keys of liondenux, and hoisted the white thag of the Lourbona. In 1815 howerar they nefused to support the Duchess of Angoulatne, whe wished to manko a staud at Borlenux against Napoleon. On the issuing of the orlonnances of Charles X . in 1530 IBonleaux rubstithied the tricolour for the Bourhon llag before the news of the rovolution at Pacis liad arrived.
The difierent formm of the name of Bordeaux met with in old writera aro lBomdeaux, Bourleaus, and Borieanlx.
(Vinot, L'fufiquirs de Bordeaux; Millin, Vayage dana les Diparlements du Midi; Dovicmac, Mistoire de Bordeaux; Malto Brus Mhllbi; Dictionnaire the la France, 1845.)
BORIBLALS, n sublivision of Guienne in Prance, which was nomod from its capital Borveaus. It included the territory immedintely arljacent to that city, the dintricts of Médoc, Les Laudea do Bondenux, nud many others, and exteaded on boths mides of tho Caronne, tho Dorlogne, nud the Gironde. It was bounded N. by Saintouge, E. by P'érigorl and IKaradois, S.F. and S. by Lea Graudos Inaden, and W. by the ocean. It is now included in the depmatments of Giroside and Lasdea
LORL, a phenomenon which occurs in some rivers near their mouth at spring-tides. When the tide enters the river the waters suddenly riso to a great height, in some rivers mnny fect above the surfico of the stream, aud minsh with tremendous noise against the current for a connillerable diatnnce. Sometimes the waters do not subvide till they hare ahnost reachell the limit of tide-water. As this swell does not occur in all rivers where there is a tide it is evillent that it must be caused by some couformation of the lanks or bed of the river, or by both combined. It seeuzs to be necessary, in order clint there should be a bore, that the river shoulh fall into an wastinery, that this matuary bo subject to ligh tides, snd that it contract gradually; and lastly, that tho river also narrow by degrecs. Tho rise of the sean at npring-tides pushes a great volune of wnter finto tho wide entruzeo of the seatnary, where it accumulater, uot being able to flow off quick enough into the narrower part. The tide therefore cuters with the gronter foreo tho narrower the restuary becomes, and when it reachee the month of the river the swell has alrendy oltaiued a considerable hoight niove the denceading strenm, and rushes on like a corrent.
In Englaud the bore is observed is some rivers, nore especially in the Sorern, Trent, Wye, and in Solway Frith. The most remarkable bores hitherto described are thoso of the Ganges and Brabmapitra. In the Hoogly laranch of tho Ganges tho bore is no quick that it takem only four hours in travelling from Fiulta to sono distanco abovo Hoogly town, a mun of nearly 70 miles. At Calcutta it sometines causch an inntantaneous rise of five feet, whicle woulh occasion gront daungene nunore the smanller respels if it did not run slong one bank only, so that the bargen ou lecaring the noiss which procetlos it enu be mavely brought to the other side of the river, or to the mildtle, Whero tho strull is indoed comsideralse, but not so sudden as to endagger vemels which nro skiffully managed. In the chaunols between tho ilnads at tho mouth of the Bralimapatm the hoight of the bore in enirl to exceed 12 feet, and it is so torrific in its appearancen, and so dnugerous in its consequences, that uo bont will venturo th navigato there at piring. tile ; but it does not aseend to nny great dintance in thia river, which in prolataly owing to the great width of the clannuel
The phenomenon olserved in tho mouths of the ludus must be of tho mine kind linrues remarks that "the tides riae in the mouthy of the lndus nbont of feet at full moon; nud flow and olb withs great riolonce, particularly near the sen, wheco they flood snd abundon the bruks with equal nnel incrediblo volocity. It is dangerons to drop tho anchor unlens at low water, an the channel is frequently obecurat and the romsel may be lef ilry. The tides noe ouly poreeptiblo 75 uile from the nen" The bonts of Alexnuder experienced these ilengerova tiflon in the Inclua, nud his historian Arvinu is the first who lane desoribel them. ('Anab.' vi. 19.) The bore in the Gulf of Camlay and itn tributarien in exceodingly high and rapid.
Ou the north const of linazil, ceprecially o:s the shores of the provinoen l'aral mud Marminho, a sinilar phenomenon is ohservel in some riven, nud in the channal which extonde between the coant and a eerien of inlanda from Cape Norto so the mouth of thoriver Mncaplin Thath phonomenon, whllels in calliod by the lindians 'pomrócn, in pinrtioularly strong In tho Amgunri liver, whicle runs into the mas nenr Cube Norto, and in tho rivern Ginamn null Chpim near I'ari, nad nlso in tho river Heary in Marauhtio, null necording to some writers in the Amazonan The description of the poronvea does uot differ materially
from that of the here ef the rivers in India, except that it rises to 15 feet, and forms tluee or even four swells, which follow in rapid succession.
(Rennell, IIindostan; Ayre, Corografia Brasilica ; Burnes, Ethersey, and Jervis, iu tho London Gcographical Journal ; Eschwege, Brasilien.) BORGNE, LAKE. [Mississirti]
BO'RGO, an Italinn appellative, which oecurs in the name of several towns, is derived from 'burg,' whieh is said to have been first adopted by the Romans on the German frontiers of the empire to siguify an assemblage of houses not inelosed by walls, Burgus or Burgum. It was afterwards applied to the fortified villages of the German soldicus in the service of Rome. The Cermanic nations, in their invasions of Italy, introduced the appellation into that country, where it was generally applied to the houses and streets built outside of the gates of a walled town, corresponding to the Roman suburbia. The French fauxbourg liad a similar meaning, being derived from fors burg or foris burg, a 'burg outside of the town.' Sereral districts in the Italian cities have retained their original name of Borgo, although they are now inclosed withiu the walls. The district of Rome which is between the bridge of San Angelo and St. I'eter's is called Il Borgo. So there are several distriets at Florenceealled Borgo, as Borgo dei linti, because they were originally outside of the city walls. There are however also towns standing hy themselves which have the name of Borgo.
Borgo San-Donnino, a town in the Duehy of Parma, is situated 13 miles N.W. from the city of Parma, on the roml to liacenza. It Was formerly a fcudal castle of the house of Patlavieini, around which the town rose np; it now has 5000 inhahitants, some fine huildinga, and an old eathedral. It is the chief town of the province of Borgo San-Donnino, which lies between the Taro and thie Riglio, and has an area of 621 square miles, with a population (in 1851) of 132,036 . Ihorgo San-Domino is a bishop'a see, and has a college, elementary schools for boys, and several manufactures. It stands on the ancient Emilian Way, and on the line of the projected railway from Bologaa to Piacenza.
Borgo San-Sepolero, a eity of Tusenny, 14 miles E.N.E. from Arezzo,
tho valley of the Upper Tiber. It originated in the IOth eentury with two pilgrims, who having been to Talestine hrought bnek a piece of tho stone of the IIoly Sepulchre (San Sepolero), aud huilt a hermitage on this spot. The fauso of their sanctity attracterl many people, and a number of louses wero huilt, to which the name of Borgo San-Sepolero was given. The town was formorly inclosed hy walls, whiels were shaken down by an cartliquake; it is still defended by a citarlel. It is a bishop's see and has a catledrnl, soveral other eliurches, and a theological reminary: population about 5000. Borgo San-Sepolcro was sulject to the Holy See till 1440, whon Eugenius IV. transferred it to Florence. It has produced a great number of oninent painters, whose works molorn the ehureles of their native city.
Borchetto, the diminutive of Borgo, frequently occurs as the name of small plaees in tho States of the Clureh.
BORKUML [AURICA.]
BO'kMIO (in German Worms), a town of Anstrinn Italy in tho Valteline, is situatod hetween two head streams of the Adda, and at the foot of the Ortler-Spitz, one of the highest summits of the Rhetian Alps. The famous road over the Stilfer Joeh, or Monte Stelvio, eonneeting the valleys of the Adla and the Adige, skirts the nertl-west flank of the Ortler in passing from Bormio to Glurns. This road, the highest point of which is 9000 feet above the sen, was censtructed by Austria between 1810 and 1825. Bornnio is a small town, numbering less than 2000 inhahitants, It was partly hurnt hy the French in 1799 . The elimate is cold. Some barley and rye and cyeellent honey are the principal productions of tho neighbourhood, which affords also good summer pnsture. The town has several churehes: that of Sant' Antonio contains some goorl paintinga. Tho mineral baths of SanMartino near Bermio aro frequented by invalids from tho Tyrol and the Valteline. In tho Valfurva, east of Bormio, there are iron-mines and a chalybeate apring.
Bormio formerly belonged to the Swiss cauton of Grisons ; together with the Valteline and Chiavenna it was annexed to Lomhardy by Napoleon I. in 1796.

BORNEO (enlled by the natives I'ulo-Kalamantin), tho largest island on the globe, with the exception of Australis, oceupies the eentre of the Indiam Arehipelago. It is bounded S. by the Java Sea; E. hy Macnasar Strait, which divides it from Celebes, hy the Celebes Sea, and the Siooloo Sea; and N. and W. by the Chineso Sea, which is joinerd by the Balabae Strait to the Sca of Sooloo, and by Caramata Strnit to the Java Sea. The island is divideci by tho equator into tivo nearly oqual parts, though the most eonthern point, Capo Salatan, is only a little more than four degrees south of the equator, and tho most northern point, Cape Smmpaninanjo, extends a few minutes north of $7^{\circ} \mathrm{N}$. lat. Tho most easterly point of Borneo is Knniungan Point, whieh lies under the meridian of $119^{\circ} 20^{\prime} \mathrm{E}$; the nost western point is about one degree north of the equator and nearly under $10 y^{\circ} \mathrm{E}$. long. The islnud is about 850 miles in its grentest length froun nerth. north-east to south-soutli-west; and its greatest hreadth is about 630 miles. The main mase of the island lies south of $2^{\circ} 30^{\prime}$ N. lat., and is ahout 550 inilea long hy 450 miles brond ; to the north of that parallel a peninsula extends towards tho north-enst upwards of 300
ef the whole island may be clese upon 281,000 square miles. The population has been estimated at three millious; but it is needless to renark that nothing definite is known upon this head.

Coast-Line-The eastern shores south of Kaniungan Point, the whole extent of the southern shores, and the western coast up to Cape Datu, on the western side of Sadong Bay, are for the most part low, aud iu some places marshy and alluvial. From Sadong Day the coast runs in a north-east direction to Capo Sampanmanjo, which shelters Maludu Bay on the mest. The navigation along this part of the coast used to bo deemed perilous on account of the uumerous inlets and roeks that line it and the sudden squalls to which it is suhject. The establishnent of the colony of Labuan and the aequisition of the rajaship of Sarawwak by SiJames Brooke have in recent years attracted British eruisers to this coast, and the perils of the narigation no longer soem to be very fermidahle. The cossts of the peuinsula are in mauy parts held and roeky, nud indented hy several large kays, the prineipal of whieh are thoso of Maludu and Labok, long the haunts of the Lanun, Sooleo, and other pirates. It was in tho Maludu Bay that Mr. Burus was murdererl by the Lanuns a few years ago. Off the mouth of Muludu Bay lie tho islands of Balambangan and Bavguey. To the south of Labok Bay, hut separated from it hy Sindlakan Bay, lies the peninsula and promontory of Unsoong, which is a great resort of the swallows, whose edible nests forman important object of eommeree with China. Tho penitusula of Unsoong is said to he the most eastern point on the globe in whieh tho elephnat is found in its wild state.
Mountains.-Of the interior of Borneo very little is known. A Duteh expedition mtarted from the sonth-west of the island in 1823 to tako posseasion of the gold and diamond mines, and adranced about 300 miles inland without meetiug any mountains of such an clovation as to prevent their progress. They eamo to a large lake calleil Danao Malayu, 30 miles long and 12 miles broad, somewhere in the interior, but they dici not fix its site. Bornco has a grand mountain system, but little more is known of it than tho general direction of the leading ranges. And of the interior of the country generally it may be said that we are almost entirely ignorant.
From Cape Datu, a remarkable headland on the west eoast, a range of mountains (averaging between 3000 and 4000 feet in height) sweeps inland to a considerablo distance from the shore of tho Chinese Sen, and then runs to tho north-eastward, increasing iu height as it goes northwari, and known under different names -the Krimbnag Mountnins, which hound Sarawak ou the south; to the north of these the Batang Lupar Mountains, and theu the Madi Mountrins. Between this range and the Chiuese Sea lies the exteusive country of Borneo Proper, which eeeupies all the north-west of tho island. Near $5^{\circ} 30^{\prime}$ N. lat. tho axis of the range strikes tho south-weatern eorner of a large lake called Kini-Balu. The range here declines a little to the westward, and secuns to be a little broken, but it soon resumes the northerly direetion, sud rises on the northwest sido of the lake to an clevation of 13,698 feet in Mount KiniBalu (Chinese Widow), the highest known point in Borneo; from this mountain the range continues northwarl to its ternination in Caple Sampanmanjo. Near the parallel of $4^{\circ} \mathrm{N}$. Mount Malu rises at a long distance from the main range (it is probahly unconnected with it) to the height of 8000 feet. Numerous rivers flow across Borneo I'roper from these mountnins, tho principal of which, proceeding nortt. wards from Cape Datu, aro the river of Sariwal, tho Batnog-Lupar, the Rajang, and the Kimnnis, all of which are navigable streams.
Mout Kiui-Balu forms a conepicuous ohjeet to mariners nlong the north-west coast. At its base lies the Lake of Kini-Balu, whieh is 35 miles long and 30 milos hroad, with an averago depth of hetweens five and six fathoms. The country east of the Lake and Mountain of Kini-Balu is occupied by the Maludu Dyaks, The extreme northenst coast is indented by the hays of Labols, Sindakan, and Giong; the last two aro separated by tho peninsula of Unsang, whieh is traversed by tho Kinihatangan Mountains, and along the northern base of these ruus the Kinihatangan River into Sandaknn Bay. Giong Bay is of great extent, its western shore nearly touches $118^{\circ} \mathrm{E}$. long. To the south of the Maludu eountry a large extent of territory helongs to tho sultan of Sooloo.
The Madi Mountains seem to comprise a central knot whenee lofty rauges run to the enst and sonth-east dividing the rest of the island into distinet and extensive hasins. One of these ranges runs east by south from Mount Beringin, near $2^{\circ} 30^{\prime}$ N. lath, and terminates iu Kaniungan Point, separating tho territory of Coti from tho Beru country, which comprises tho hasin of the Pantai River. At a short distaneo seuth of Mount Beringin another lofty range, tho Anga-Anga Mountains, springs from the Madi Mountains and runs southeast to the equator, which it etrikes under $116^{\circ} \mathrm{IL}$. long., and theneo takes a soutliern direetion to its terminatiou in Cape Salatan the most southern part of Borneo. This rango separates tho Dutely territory of Bangernassin from tho territories of Coti, Passir, andi Tanah-Bumbu whiel lie hetween theso mountains nud the strait of Maenssar. The southern part of this loag range, whero it separates Dangormassin from Tauali-Bumbu, is called tho Meratus Mountains. On the western side of the Anga-Anga Mountains is the extennive basin of tho Panjer River, and to the wost of that the basin of the Great Dyaks IRiver. At no great distance from the point where tho rango leaves tho Madi Mountains it sends off a long offshoot called tho
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 $110^{\circ} 85^{\circ} \$ \mathrm{ken}$. Ner the jumction is sho cown of Sambillong on the reghe lask of the Kaloy. Woth of these houl netrenme thow from Chamesara Mocantaina eatwand, In whlch drection the Pantai
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There are manerous islands off the south-western shore of Bomeo, the principal of whlch are the Nintuma and Tanbelan groups, St.0 Visprit, St. Harbe, and Daton islands near tho equator, the l'anumLamgan Islands nearly opposite the outfall of the Simpang, and the Cimanata Imlands which give name to tho strait betwcen Bonmeo and Dilliton laland.

Climate and Products.-The climate of this island, as far as it is known, is very hot and moint, eupecially aloug tho const, and among tho wide-sprending foresta which cover many parts of tho comalry. In tho districts situated on tho western shoras the wet season takes place during the south-ast wonsoon, from April to September; but along the Strait of Magassar, and in the Java Sea, it occurs with the north-east monnoon, from September to April. From a series of obscrvations mude near the coast during twelvo montha between tho houm of 6 and 7 A.M., tho average munual temperature at that loour is deduced to be $70^{\circ}$ Fabr. And from a similar table giving the maximum temperature of each month at the same hour the avornge anmual maximum temperature at the time of observation is $8 \bar{j}^{\circ} 6^{\circ}$ Fabr. From this it may be inferred that the hent of midday In very grent in tho low countries, and that in marshy districts tho climato must bo urheallhy; hut the higher parto of Borneo, especially towards the north-east, have a climato almost as temperate as Europo.

A counfry with a good soil and abundanco of moisture, situatod under the equator, muat be cxtromely rich in vegetahle produotions, Theso include rioe, sago, mandioc, cotton, Bugar, camphor, casvin, pepper, cloves, nutmeg, opium, ginger, betel-nuts, cocos-nuts, areca, $\mathrm{m} / \mathrm{m}$, a vast variety of timber-trees, sandal-wool, ebony, banana, breadfruit, guth-perclu, upas-tree, sesmmum; a vast numbor of oil-yielding plants, such as the caynpnti, which yichls cajeput-oil; motan aud other planta uned for making cordage; benzoin and other gums and woorls wed for frnkiucense ; iudigo, safforeor, arnotto, turmeric (which is usod lew for dyoing than as an aromatic for seasoning food), and several dye-woode, da. \&c.

The horticulturo of Borneo comprises (besides aevernl articles above enumernted) the oalabmin, the gourd, the punpkin, the musk-melon, tho water.anclon, and a variety of cucumbers, yanm, batatas; a grent variety of fruitn including lemons, oranges, citron, pinc-apples, mangoom, manguntian, otranv-apples, tamarinds, pomegranatos, \&c., \&c.

Both non and river finh nhound, particularly the former. Tho numorous hanks off this and the meighbouring islands afford the fish upon them ancla mbundanco of food, that no part of the world has a better mapply of fine fish, espocially where the shores aro flat. The ediblefintu are here very muncrous, ainoug which the pomfret, the calosp, and the wole are the most delicate. A great variuty of finh is driod in tio sum, and forms a considerable article of commerco; finh in this stato is an articlo of as universal consumption among tho Iudian isluuders os fleal ln cold countries. Sono kinds of fish, eapecinlly shrimps, aro plekled, aud form an articlo of internal comuerco under the name of blanchand; and the tripang swaln, or sea-alug, is a vaiuahlo mrtlole of exportation to China, Among land animals aro included the elephant, rhinoceron, loopard, buffalo, decr, wild hog, monkeys, horned cattle, a fow homes, fowla and duckw, a great varioty of birda, \&a. Beas abound everywhere and vast quantitios of wax are exported to Chlna. Tho lao innect in found in the forosts. Tortoisen are very abumdant on the northern and north-cantern coast; those found farther wont aro mallor, and tho shell Is thinner and less valuable. Tortalmoshellin are exported to China, whence many of than find thicir way to linrope. Pearla and mothor-of-pearl oynters are fiwhod alung thie northeantern cont, but thoy aro not no much entocmed ra those of tho sootio Imlaria.

Population, dec-The inhalitante of Bornco are either aborigiuen or furciga eettlern. The former are divhlorl into a great number of tribes. Tho Byak oocupy the wontern nay nouthern districts. The Biajoos and othern, sho pmineula extending to tho north-east, and the Tiroon live on the eastern connt In the interior are the Kayan, tho Dusun, the Marut, and the Tatnocli; wther tribew are tha Kadians, the Millanoran, the Dyak Darrat (or Land Dyake), and Dyak Laut (or

Sea Dyaks). The foreign settlery are Malays, Javanese, Bugis, Macassars, Chineso, and a few Arabians.

All the iuhabitauts, with the exception of the Chinese and Arabians, belong to one race, which is called the Malay race. Their persons are short, squat, and robnst. The medium height of the men is about 5 feet 2 inches, of the women 4 feet 11 inches. Their lower limbs are large and heavy, and their arms rather fleshy than muscular. The face is of a round form, the mouth wide, the ehin somewhat square, the check-bones are prominent, and the cheek consequently rather hollow; the nose is short and sinall, never prominent, but never flat; the eyes are small, and always black; the complexion is generally brown, but varies a little in the different tribes, the Dyaks inhabiting the interior of the island being frierer than those of the cuast; the liair is long, lank, harsh, and always black. The languages of the different aboriginal tribes differ widely from one another, and they have it is said no literature.

The aboriginal tribes have not attained a high degree of civilisation. Agriculture however seems generally difused among them, as well as the most necessary arts of lifa. They eultivate chiefly rice, and colleet gold-dust and diamonds. They trade also in rattans, guttapercha, and other products of their forests. Their dress consists only of a small wrapper round their loins. Their houses are wooden buildinge, often large enough to contain upwards of 100 persons. In the conatruction of their bonts and some of their utensils they display considerable ingenuity. These tribes though otherwise mild and simple have heen accused of cannibalism. Some who live on the coast hare embraced the Moliammedan religion, but the greater part are idolaters. Polygamy is in general une among those who are able to maintain many wives and large families. A portion of the Binjoos live constantly on the sea in amall covered bonts, and shift to leeward from island to island with the variations of the monsoous. Their fisling-boatr, in which they live with their whole families, are of about five tons burden, and their principal occupation is the catching of sea-slugs, for which they frequently dire in seven or cight fathoms water.

The number of the Chinese settlers is considernble; and in Sambers especially they have of late yeara gained considerable influence by means of their secret societies, so as to ernbarrass the Dutch government considerably. In every part of the island where trade or indus try is rewarded by security of life and property, some Chinese families arc to be found. They follow the occupations of merchants, mechanics, and labourers; cnltivate the ground, distil arrack, make sugar, mearch for gold-dust, and trade to the interior as well as on the coast. They are not rich, being too fond of good living, and addicted to gambling, opium, and merry-making.
The Bugis, who come from the island of Celebes, are remarkable among the nation of Southern Asia for their industry and activity. They ehiefly apply themselves to trade, to the manufacture of Bugis eloth, and the working of raw silk into cloth. Many of them become comparatively wealthy, although they are generally poor when they arrive, but they are extremely ecouomical and even penurious in their manner of living. These Bugis are very active Beamen, aud visit all the islands and countries ronnd Borneo, in their light, cheaply-huilt, but often richly-freighted proas, many of which frcquent the harbour of Singapore.

The Malays are the most numerons of the foreign scttlers. They have formed a great number of small states along the coast, and subjected the Djaks, whom they often treat with great cruelty. The interior of the country and portions of the coast also are in possession of the Dyaks.

The Dutch hare possession of about one-half of the coast, and have extended their dominion far inland in some places, so that the rich gold and diamond-mines are in their possension. All the Dutch establishments are on the southern and western const, and they govern the territories of the sovcreigns of Bangermassin, Succiadana, Pontinnak, Mampava, Sambas, and Matan, and of some others farther inland. This great tract of couutry is governed by three Residents, eatablinhed at Bangermasain, Poutianak, and Sambas, with two subordinate resideuces at Mampava and Landak. Around Sambas the area of the Dutch territory is given at 5269 square milcs, with a population of 46,819 in 1849; the territory of Bangermassin is 54,203 square niles, with 304,076 inhabitants; and loontianak, in the south-west, ares 138,973 square miles, population 311,100.

In the Dutch territories there are thres jlaces of considerable trade, Samban, Ihngermasain, and Pontinnak. Gold is found at six different plncen, at Umbak, Sanga, Larak, Banjar-laut, Sambas, Pontianak, and Montradak. The metal is found in alluvial depositn, whieh are channelled by the beds of numcrous rlvers, not usually above five or six feet from the surface. The principal diamond-mines are at a place called Landak, whence the djamonds of Bornev are called Laudak dinmonds. The mines, which are entered hy perpendicular and lateral slafta, arc workerl by the Dyaks, but the gold-mines are mostly worked ly the Chinese. The Bugis resident merchants aro the great dealers in dinmonds.
Tu the north-east of the Dutch territorics and along the northwestern coast, extends the kingelom of Borneo Proper, which extends from Cape Datu to the north of the river Kimanis. It contaius a sea-const of betwean 600 and 700 miles, and cxtends from 100 to 150
miles towards the interior of the island. The capital is Brune. The intereourse between Borneo l'roper and Singapore is considerable. From Sadong, on the western frontier, great quantities of nntimony are brought to Singapore. The mountain which contains the antimony is about one day's journey from the coast. The sultan and a considerable portion of the population are Malays.
Borneo Proper has recently been the scene of a remarkable enterprise, which has brougbt this part of the island prominently before the world. Mr. James Brooke, a gentleman of independent station, sailed from England in 1838, in his own yacht 'The Royalist,' to investigate the islands in the Eastern Archipelago. With a crew of about 20 men , he arrived at Singapore in June, and at the coast of Borneo in August. He found that the part of the island at which he touched was governed by a raja, who was engaged in the provinee of Sarīwak in the suppression of pirates. Mr. Brooke sailed up the river to Kuching, the capital of Sarawak, and being kindly rectived be got leave to explore much of the country, and discovered the mineral riches which it contains. Mr. Brooke returned to Singapore in the spring of 1840 but made another voyage to Borneo iu August of the same year. He nasisted the raja in his wars, and was promised the government of Sprawak, and in Scptember 1841 he was installed in due form 'Thaja of Sartwak.' Mr. Brooke, who built himself a housc at Sarãwak, and established a sort of court there, exerted all his influence to suppress pirncy on the coast. In July 1842 he made a formal state-visit to the sultan, at the eapital of Borneo, to endeavour to establish friendly relations with England. In the early part of 1843 Mr . Brooke went to Singapore, and shortly afterwards returned iu the Dido, commanded by Captain Keppel, who was commissioued to assist in suppressing pirncy in thoso seas. In June a strong party, composed of Europeans and natives, set out from Sariwak into the interior, and put down a formidable nest of pluudering tribes. Captain Kieppel soon after left Bornco for China; but on his return in July 1844 another expeditlon was led against hostile inlaud tribes, which was as usual suecessful. Keppel returned to England; but Sir Fdward Beleher assisted in the proceedings at Sarawak ; and Mr. Brooke received the appointment of agent for the British governmeut in Borneo, in which eharacter he had two interyiews with the sultan of Borneo in the city of Brune, with a view to conclude a treaty of peace and commerce between the two countries. Iu the autumn of 1845 Mr . Brooko aided the goverament officcrs in fixing on some spot as the location for a colony or British settlement off the coast of Borneo. After a careful examination of the amall islands of Labuan and Balambangan, Mr. Brooke fixed on tho former as presenting the greatest advautages. In the sluring of 1846 a serious reverse occurred. Some of the discontented ehiefs indueed the sultan to plot mischie agninst the English; two native rajus who had from the first been favourable to Mr. Brooke were murdered, and a plan was formed to poison Mr. Brooke hinoself. But prompt mensures were takeu : a squadron was sent from Singapore, and the hostile proceedings were put down. In 1847 Mr. Brooke went to Englaud, where he was knighted, and had his title of 'Raja' recognised by the British govermment. Ile retnrmed to Borneo as Governor of Labuan, and agent or represcntative of England at Borneo. On the night of July 31, 1849, the raja with a fleet of Saranwak prahum, and assisted by her Majesty's ship Royalist, the East India Company's steamer Nemesis, and three boats of her Majesty's ship Albatross, attacked and annihilated a fleet of 150 Drak and Malay prahus and bangkongs at the mouth of the Serehas River. The prahus were manmed lyy from 30 to 70 men each, who were chiefly Dyaks of the Serebas and Sakarran, with a few Malay ehiefs among them; about 800 are said to have been killed; many were drowned in their swamped prulus, and only 2500 are said to have escaped to the juugle. The raja's boats after this action ascended the river and destroyed the villages along the Serebas. This fearful chastisement was intlicted upon these people, according to Raja Brooke, because they were pirates, aud head-money was paid to those eoncerned in the action; but there are not wanting those who stoutly maiutain that they were 'inoffensive tradery', and that the expudition was undertaken by the rajr from ambitious personal motives.
The rescarclies of the last cight years have shown that Borneo, at least in the province of Sariwak, is one of the richcst and most fertile countries of the globe. Amoug the minerals arc diamonds, gold, antimony, tin, iron, copper, lead, and conl; while the soil is of such various kinds, that it will grow almost every varicty of vegetable produce. [SABताwak.]
The commercial intercourse of Borneo with China is much more exteusive than with Europe. Edible swallows'-nests, sen-slugn, aquilawoods, and camphor are exported to Canton, Amoy, Ningpo, and Shanghne. The Dutch carry on a most active commerce, exportiug pepper, gold, and other products. The commercial iutercourse of the west coast of Borneo, and more particularly of Borneo Proper and Sariwak with Singapore, has of late ycars become very cousiderable.
(Dr. Leyden, Description of Borneo in the Asiatic Journal; Cravfurd, Ilisiory of the Indian Archipelago; Asiatic Journal; Stavorinus, Voyayes; Captain Keppel, Expedition to Borneo and Indian Apchipelago; Petermann, Map of Bornco, Londou, 1851.)
BORN $1: O$ (properly Brune), the capital of the kingdom of Borneo Proper, in the north-west of the island of Borneo, is situated in $4^{\circ} 56^{\prime}$
$\therefore$ ins. $111^{\circ} 80^{\circ} \mathbb{R}$ lans. on the lan latak of the siver Rormeo or






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 ante viat ithe park The espurt an riow, black peppor, ommphor, that inve wos.
 ertbive beos mportal from cham As Singupore they talio in ex a cothome and woollexa, opi m, irom, arma, mad amumnitiou. lisler the weak eonl opprendre gorermment of tho oulman of Brand it. town to thi to have of heto yourt dreayed iv lmportence, end montion of the gopralation aro mid to have removed to Labrens and sars mish.

## (Avears Jomal.)

Wit diltu. M, as iniand in the Raltic, belonging to Denmark, ent eveched to tho provisce of Seoland, is nitusted abous of iniles 12. thum the leland of (tand (viellaml), about 10 miles 1. by S. from fited the cones of Sweden, and atwnt so milew S.F. from the island of 16 wign. It be about 86 milo lang by 12 miles wide, and hreluding finco men to the porthentwand it contain an mnom of about 218 equave mile with a population of shout 25,000 , who are aluost eblindy of llasish estrarina. lornhulm is a rocky and monuthinous Heod: is is wollos in ly precipitous cliffs and dangervus pods thint at ourthin memose of the year the approach to It in ex tremoly bemontoms A bigh muze, callod Almintingon, which sirotches acroes Hurabias frum worth to wouth, containe the liytlorknecht, the moat dormed pouns in eho imbort, aboat 500 fect In height. Tho Almindineve in isternectent ly lertio vallegn akital with underwoods of oak. Thire bo aloo a Heative mor, "tbe LTrumark" in the interior, on whid mochines will grow but low juniper aud other wihd sluruba, with come conco ernee ile fububitash howerer usa It as common pasture gruend The remininder of the lalasd bas a story noil, partially inter
 Inrabolm in walanad by a number of riruleta, pumensen some cacollata: epringas mad bue evers aluooth of water. livery npot in dif cuaturatol. The cltmate in ould, but dry and healthy.
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 turne taolude woillase, pottory, l lricks, tilor, and clockn and watchoa The farmers are in peneral woll to ilo ; they aro the ownere of the Inado they ouldrak The lat de elesoctit to the joungeat mon; lut on

 fellow wibjucts, but phorlde for itbe di fence of the inland out of their own puocrea Somep, in the couth-went of the taland, is the eapilat. 11 b christes place, ith a amell fortibel harbour, frona whlch stomeors pils malariy io Copmalagen, calling at lietal ou the eouth cout of 8 walan Tho popmbetinu excoole 6000 : they are chicfly col to tradior



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 mog ande the tratubitante an comprelled to meremt farther to the Pias ernu the rvowimder of the ovantry formartially muhject
to Inundationa, tho slow rivera and riruleta whlah intersect the country being unablo to oarry ofl the inmeuso supply of water during the raing menon; an 1 thus extonsivo tractn which akirt their bankn on buth abdes aro cormod with water, nud vomnin isuadated generally for lince muncha Tho rivern lavo geuemlly a ahort courme; they fall elther Into lake Tehnd or into the Shary or the Voou. The Shary has ilo mounce lns tho Nasul- ra Nountains, and neens to form tho boundary between llornow and leghermi for mearly tho whole longth of its conmao It the phaina. Tewarle ila mouth lt dividen into may branchen and formw aumanou deltoid ialnadn; thoeo which lio nearent to the mouths of them bnanches ano complete swanple, and nnfit for agriculturo evon luring the dry mewson. The licon liver riees in tho lilly country of Housen, near $10^{\circ}$ 15: long., where it Is called Shoohum, and wfeer havigg traverad in the first half of it courne a conntry montly coverad with low rocky hills, it ruas for the remainder of ila courae, which in gencral is in isn castern direction, through tho extensive phin of lkoranu to lake Tchand.

The heat of borrou in very great, but not uniform. The hottest manon is from Mach to May, wheu there is uo rain, aud the thermometer cometimes rines to $105^{\circ}$ mul $107^{\circ}$ at two oclock in the afternorn. The prevailing southerly winds at thin sesson are kufficating and seorching. In the night the thermometer sometimes falls to $86^{\circ}$ and $85^{\circ}$. This hot sesson is followed ly violent thumer and lightning, and rain sets in towarde the middle of May. At the end of Juue the inuarlations of the rivers and lakes begin. In October the rains bocome less frequent, the air iamildernad more fresh, and the wenther werene; breczes hlow from the north-west, with a clearer atmoaphere. Towarda the oud of December and in the begiming of Jannary the thermometer never rises above ${ }^{7} 5^{\prime \prime}$, and in the morniug it falls to $55^{\circ}$.

The only implement of agriculture is an ill-shaped hoe, made from the irou found in the Mandam Mountaius All the labonrs of the field devolve almost entirely ou women. The most valuable products aro unaize, uillot, sempa, nomo rice, a littlo wheat and barley, together with cotton and indigo, of which the two last grow wild close to Lake Tehad and ln the overflowed grounds. The indigo is of a superior quality, and the dark-blue colour of their tobes, or large shirts (the ouly drese the people wear) is probably not cxcelled in any part of the work bomou is almont entirely destitnto of fruit-treos. Mangoes are only found In the southera dintricts near Maudara, aud dute-trees ouly to the vorth of Woodie, at the north-wostorm auglo of Lake Tchart.
Tho wealtis of tho inhabitants principally consists of slarea, bullocks, and horaes Black catcle aro most mumeroun. The Shouns, who aro of Arabie descent, and the ruling tribe on the shores of Lake Trehad, breed aleo many horson, and seud to Sondan annually from 2000 to 3000. The other domestic asimals aro dogs, sheep, and gonts; the common fowl. Beon and locunts are numerous; the latter are eaten by the mativen Tho bomas of bundeu aro the bullock and the nss, There in a rory fine lrood of asses in the Mandaum ralleys. Camels are oaly unod by forajgers or porsous of rank.
The lion, the panther, apecies of tiger-cat, the lcopard, the hyseua, tha jackal, the civetent, the fos, nad several apeeien of moukoyn, black, gray, nud brown, are found in Bornou. likephanto are so numerous near Lake Tchnd that henls of from fifty to two hundred are nometimes meen: they are lunted for the ivory as well as for their Alesh. Other mild nnimale whone Resh is enten are the bultiulo, the ervcodile, and the hippopotamus The fenh of the crocodile is extremely fiue: "it lias a green firm fat, renombliog the turtle; nnd tho calipoo han the colour, firmnems, asd finvour of the finest real." (Denhans.) The giruffo is found in the woods aud marshy grounds nosr Lako T"ehad; there are alno autelopes, gazelles, hares, aud au animal called kooriguru, of tho mize of a red decr, with auuulatod horns.
l'artringei, gronme, wild duck, nul geceo, suipes, ostriehes, nelicans, -jpon-bilh, mad the crane njecios mbound Guinea-fowi sbound in the woods. Repilen, enpecially scorpions, centipedes, Inge toadn, nad merpeata of several kinels aro very conmon.

Iron is found lu the Mandarn Mountains, and imported into Bomou, but in $n 0$ great quantity. Tho best comes from Soudna, nostly worked ap into good pota nas kettles.

The inhabitanten rpoak ten different dinlects of Arabic. The Shouare, who luhatit the hordem of lake Teland, aro Bechuine, and have propervel the Arvhic uearly pure. Thay are the heat troops of Bormon, and It in mid that thin country cau rnunter 15,000 Shonaas. The aboriginen of 1 homou, who call themelven Kanowry, have large manemuing facer, with lat negro noses and wouths of great dinerssloun, wilh gnod twoth and largo forcheads. Their treas conaista of une, two, or thre toben, acoorving to tho means of the wearer. Permone of rank wear a cap of dark. Whe, but commou people go barohomed, sum lake caro to kecp the liead constantly free frou hair. They are Mohamuedank, and less toleraut thau the Arabs. They ththo their bodien like the other negro nations of these latituden.
The princinal towns or cities are thirtenn, among which the most important are Kouka, Augormot, tho remidence of the aleikh, nnd limine, the residence of the sultan. These are all nituated at a litthe diatance from each other and from the went aloore of Lake Tchad, between $12^{\circ} 30^{\prime}$ and $18^{\circ} \mathrm{N}$. Int Other towns are Old Birui, higher
up the Yeou, and Digoa and Affagay, on the route to the Maudara country.
The country is governed nominally by an absolute sultan, but the whole power is in the hands of the Arab sheikh, whose soldiers are well diseiplined and armed, aud he can if necessary collect an army of 20,000 men.
The commerce of this country is not great, but there is a consider ahle transit-trade across Bornou between Soudan and the Moors of Tripoli. The Moors bring differcnt sorts of cotton and silk, a few woollcu cloths, and various utensils of metal : they rcceive in cxchange elaves, ostrichekius, elephauta' teeth, and raw hides. Strips of cotton, about three iuches wide and a yard in length, are called guhhuck, and used as small coins in the retail trade; three, four, or five of these, accordlng to thcir texture, go to a rottala, and ten rottala are equal to a dollar. (Denham.)
BORODI'NO. [Moscow, Government of.]
l:OROUGHBRIDGE, West Riding of Yorkshire, a market-town and borough in the parish of Aldborough and lower division of the wapentake of Claro, is sitnated on the right hank of the Ure, in $54^{\circ} 6^{\prime}$ N. lat., $1^{\circ} 21^{\prime}$ W. long., 17 miles N.W. from York, 208 miles N. by W. from london hy road, and 212 d miles by the Great Northom railway. The population of the township of Boroughbridge in 1851 was 1095. The living is a jerpetual curacy, held with that of Dunsforth in the same prarish, in the archeleaconry of Richmond and diocese of Ripon.
Boroughbridge owcs its origin to the circumstance of the line of the Great Korth road having beon diverted from Aldborough, through which it had previonsly passed, and carried over the river Ure by a bridge which was constructed at the spot where Boroughhridge now stands. After this Aldborough declined, while Borongh bridgo gradnally roso; the remains of old buillings in Aldborough supplying the materials for many of the new crections in the rival twwn. liur about three centuries Boroughbridge sent two members to l'arliament, but it wes disfranchised ly the Reform Act of 1832. In 1021 Edward II. defented the Enrl of Lancaster and the confederate harous in a hattle fought at this placo; the earl and other uoblemen were taken prisoners, and afterwarls executed. Many British and loman coins aud other antiquitios have been fonnd in the parish. In 1831 a beautiful tesselated pavement was discovered. The most atriking remains are tho Arrows [Aldbonougir], which aro at a short distance to the west of the town.
Lesidea the chapel-of case thero are placen of workhip for Wesleyan Methodists and Independents. There are a National school, an lufant school, a subscription librzry, and a newb-room. The chicf businems in Boronghbridge is the shipment of agricultural produce. The Ure is navigable ns high as lipon, six miles abovo Boroughbridge, for amall craft, and several warehouses connccted with its commerce stand on the right bank of the river. Boroughbridge communicates with Sclby aud Hull by the Ure and the Ouse; with Leeda, Wakefield, and the manufacturing districta loy the Ure, the Ouse, and the Aire and Cakler navigation. The houses in the town are nent and well hnilt. In tho market-place there is a fluted Doric column. The market-lay is Saturday: several fairs are held in the course of the sear; one iu June, for hardwnre, has now become of little importance: the other fairs are chiedy for cattle.
BOLOVSK. [Kalcoa.]
BOIR1ROMEAN ISLIS. [Maggore, Lago.]
BORR1ROWDALE, [CUMBERLAYD.]
BO1RIROWSTOWNLSS. [LINLTHGOTSHIRE.]
BORSOD. [HUNGARY.]
holthilick. [Eninburgmshire.]
BORYSTHENI:S. [DNIEIER.]
BOSCASTLI: [Cornwalle]
BOSCO. [Alesgandhia.]
BOSJESMAN'S (liternlly "13ushmen'), is the name which the Dnteh colonists at the Cape of Good Hope have given to a wild and roaming race of people who live about the northern skirts of the colony and as far as the Orange liver, without any settlecl hahitations, aud who do not rear catlle or constitute tribes like the llottentots. The Bosjesmans are a branch of the llottentot race which sepanted from the rest long before the estallishment of Europeans in Southern Africa, aud took to a wandering life in the northern and more inland parts of the cunntry. Their language appears to bear some analogy ton that of the IIottentohs, aithough the Bosjesmans and the Hottentota do not understand each other. They have both the same clacking somal of the tongue, only the Bosjesmans have it strouger and more frequent, and they draml out more the ends of their senteuces. They have the miverally distinguishing features of the Hotteutotsthe sans hroad flat nowe, long prominent cheek-bones, and yellowlrown huo of the skin ; and their phy*iognomy has a similar cxpression to that of tho llottentole, only moro wild and animated, owing to their inaecure and wandering habita of life. They are neither husbandmen nor shepherds; they linve no cattle or flocks, but kill wild animals with their arrows, catch fish, and nlso feed on locusta, snakes, ants'eggss, and insecta, and upon roots and berrics. They are eapable of bearing lunger for a long time, and like other savnges they ent voracionsly when they fall in with plenty. The Josjesmans are gene mally very lean and of a low stature, as if stunted in their growth. A sheep-skin fastened round the neek with the woolly part inside, a
csua. DIV. FOL. II.
greasy leather-cap on the heat, with their woolly hair sueared with grease and clust and tied in a number of kuots hanging down, a jackal skin fastened with a leather thong round the middle of the hody, sandals of ox-leather bound round the feet, a bow nnd quiver witl poisoued arrows, a gourd or broken ostrich-egg to fetch water, aud two or three straw mats, which heing placed on sticks form a sort of tent,-these constitnte all their apparcl, fumiture, aud uteusils. They catch sea-cows in pits on the banks of the Orange River. They sleep in caves, or more commonly equat among the bushes, from whence their name. They do not associnte in any considerable numbers, but wander about in suall parties cousisting of indivicluals of oue family, or such as meet by chance. The advance of civilisation on all sides of them has had some effect upou the Bushmen, aud many of them are now employed by the colonists of South Afriea as guides and domestic servants, in which crpacities they are said to belave well and faithfully. A small number of them are said to live in settled habitation ou the north of the Orange River. Some of the Bushmeu havc heen brought to profess Christianity.

BOSMIERE aud CLAYDON, a hundred in the county of Suffolk, which has been coustituted a Poor-Law Union. Rosmere nud Claydon hundred is bounded N. by the hundred of Hartismere, N.E. by that of Threadling, E. by the hundred of Carlford, S.E. by the liberty of Ipswich, S. by the hundred of Sampford, W. hy that of Cosford, and N.W. by that of Stow. The Poor-Law Uniou of Bosmere is not exactly co-exteasive with the hundred; it contains 39 parishes and townships, witl an area of 58,108 acres, and a population in 1851 of 16,351 . Thc Union workhouse is situsted in the parish of Barham, four miles from Ipswich ; it bas accommodation for 500 inmates.

DOSNA-SERAI, or SERAJEVO, the largest town in the province of Lhosna in European Turkey, is situated partly in a plain and partly on the slopes of hills, 135 miles S.W. from Belgrade and 33 miles S.ls. from Traviik. The population is estimated variously, some giviug it at 40,000 and others at 60,000 . The town stands on the Migliask, a feeder of the Bosua. The old walls which encompassed it when it fell into the hands of Prince Eugene in 1697 are completely decayed, and it is now an open place; it is defended however hy a citadel of considemblo streagth, upon the ramparts of whicle eighty cammon aro inounted. This citadel is situated some distance to the cast of the towu, and is usually occupicd hy a numerous gamison. Bosna-Seral contains 100 nosques, amoug which that of Chosrem-beg with its clock (a great rarity in Turkish towns) best deserves notice; one seraï or palnce, crected by the sultan Mnhmud I., four Christian churches, three monasteries of the Miuorite order, a number of medresses or schools, baths, and charitable iustitutions; two large bazanrs, several market-plnces, and between 14,000 and 15,000 houses, mostly built of wool, with latticed windows. The town, which covers a large surface, is handsomely built, and has a gry oriental appearance from tho number of minarcts and steeples which embellish it. It was formerly the residence of the governors of the province; but the atrocities committed by one of them drovo the inhabitants to revolt, and he was obliged to flce to Tramik, where his successors have sinee coutinned to reside. [Bosina.] The manufnetures of the town comprise amns, copper utensils, iron-warc, woollen and worsted stuffe, morocco-lenther, cottons, \&c. : there are also sevcral tanueries in the town. BosnaSerai, being the staple mart for the whole province, is a place of corsiderable trade. Unon the promulgation of the Hatti Sherif of Gul Hane, which constitutes the Tanzimat, or reformed constitution of Tnrkey, the Sipahis of Bosna exasperated by the fiscal regulations of the new system drove from the town the represeutative of the vizir; who resided in Travaik, and broke out iuto open relellion in defenco of their feudal privileges. Upon this the vizir Vedjihi Pasha collected a force of 4000 regular soldiers, and defeated tho revolted begs and sipninis, who were 20,000 strong, at the town of Vitesz. The defented sipahis shut themselves up iu Bosna-Scrai, which was blockaded by the vizir and foreed to capitulate.
BOSNIA, properly Bosna, the most north-western eyalet or province of Turkey in Europe, extends between $42^{\circ} 40^{\prime}$ and $45^{\circ} 20^{\circ} \mathrm{N}$. Int., $15^{\circ} 50^{\prime}$ and $10^{\circ} 30^{\prime}$ E. long. It is bonnded N. hy the Anstrian CrownInnds of Crontia and Slavonia, from which it is divided hy the Savo nnd the Unnn, except at the extreme uorth-west of tho province, which is formed by a mountainots projection 30 miles long and 15 miles wide, extending northwnrd from the Unna to the Upper Kulpa aud the source of the Petrinia. The province is boundod I.. by Servia, froun which it is divided for n long way by the Drina; S. by Alhania, Montenegro, and Austrian Dalmatia; and W. by Austrian Dalmatia and Croatia. The form of the proviucs is that of an irregular qualrila teral ; the western aide of which, from the Gulf of Cattaro to the most nortl-western point of Turkey, in the basiu of the Kitpp, is 230 miles in length : the eastern side mensures about 156 milcs; the northern side, along the Save and the Unna, is 176 miles long; and the southern side, which is very irregular, measures in a straight line from the lbar to the Gulf of Cattaro abont 120 miles. The eeutral part of the province, from the point where tho Drina" approaches $44^{\circ}$ N. lat, to the sonthern cxtromity of tho Prolorg Mountains, ou the western boundary, is only 103 miles hoord. The arsa is abont 24,000 square mileb, and the populatiou, secording to tho census or estimate of the Turkish government in 1844, was 1,400,000. The province touched the Adriatic at two pointa-namely, at the narrow
trith of Klat, lathi the remlarula of seblubeolla, mod at the of elien vily of the Natones into the liny of Cittarico A Sexpore the lerr kuie tan lowe atwey diegruted Iy Atsotria, col if omental to the hineer parmer ion 1958

Ha prowen b very moankimoun Tho 1hinario Alpe eater is ont
 eorbers to watheat, chrough the leagth of Ule provinoes, and aredy puallil to tho didritue, from which they aro from 50 to 60 miles
 telofe fivea tho melion rage dirido tho marfice lato a grest nurnber
 ex me of lif phase of livno, which liee betwoea the main mage and the IT of Mouncains on the south-weotera bonier. On the nouthers lanter the Ethbows Flad the Mieciori Mountalus eopurates Dumen In teargre, while the ereot of tho Dinaric Alpa, farthoe exative the divatiog lues ibe side of Albavia. The northorss - Les isarno Mpe is atill more nugel than the southern; it botanerrod uato a far greater nuuber of clene and valloys; and


 ahyor, and the mprentaizs in geveral aro covered with magnificent fret aol med peoturen wo that thero aro few countrice of Eluropo Whioh rem vie whis llowia Proper In boantiful natural scenory. But en the Adriatie alope tbe crountaiow are in most partor hare and rock $y$; the rigetalive in chocked in wister and epring by impetaous winds, and menmeser ly a scorching sun, the efloct of which is hut alightly a Levileal by beary dewn, and with the exoeption of the Narosita and the lionstim the rivers aro all amall, and many of thenn dimppear eithor gerthally or Lotally from view in their counse chrough a calcareous wil.

The principal rivers of the province are the Irin, or Irina, the Heen (whleh give name to the eyalet), the Verbitza, and tho Unna, all ferdern of the Sare; and the Niarenta, which ourrios of the drainago ur the Alriatic alopa.

The forias rime in the hiasrio Alpe mear $45^{\circ} \mathrm{S}$. Iath, and rums morthand botevea tho districts of Jeni-Bazar and Travnik to near it 8 IVL, whence to tis mowth in the Save, about so anile below zwornuk (hbs oliad rown on lis lô bank), it separatos lionnis from garth. It moseives numerum fooders on both banka, and in its lower
 foush. The ahole corm of the lirias in about 180 miles in length, ond 4 num gomerally botweon high hilla mod mountaine, with the exemplioe of bover con milleosinvo les mouth, whero it stirts the plain of Urlovopolie At che enouth of the Drins is the quarnatino stitions of Jions, oo tha Berthan nide of the river; and out tho Austrians shore of the iro $=a$ fortreso atoo called lisome

The fl. Conm what tho oyalet in namoel, in formod by sereral mall from 1 lount lran, a mumanit of the Dinario Alf wo the tath of the esy of thomenere. 18 niso rusis or rather nubso burthwarl, and fer more than two thinin of its courso between perillal hase of 1 its "fontherod with trees $w$ their numuita." It in cound by a bindgo at Mowiza, elsewhero by ferrios or cowoen. On pooviog fruma the hilly region the Hown travermos a plain $\ln$ many If millenty and lieqge, nodl catom tho Sive after a coume of a bout nowethe hy buaty largon and timber is flomted down thoun to the Sivee
72. Vieches, Treles, or Terbes, rines ln Mlount Vranga, on the if \& athe of the inmaric sipp to the mouth of Travinik, and near if N the 1 l couste in meaty parallel to shose of the Drina mul the
 ithen in ite moours in the sisra, below (irnliska, ard about Col rellos bo farion wit ouluvatel, aonl abounding in orcharita.
The if man ras in Mcests Robor, which llew a litele ent of Mount




 in in in foot whic, and 6 or ifot depp, but $i o$ not navignbla. -vin of the provises, eod le a dimation of for lyy mouth. Along ita

 A tinat olambothe The viliey of tho Sinve is infoted in eumener atl =ite hy monepwion of hero mas.
 U. Thor rie tho us enterv part of the livorinoe the former in Fits tha fittow, Nocmil thardom, zow the Toherl) hegh, to the nurth of The the A The lvar come morthert, and on emorging fow the $A$ mome arpartio tho tertien monjak of Krukhornte from

 - Ha pean tos towe of s mulniar.

The Nowes at arot into bu a soribure cource fir a fow toiles below
ite courco; but mon edtering Niorbie it turnu cautward as fure ai Krubhornke, wherg, L-ing joinowl by the liestora Morava, the unitod atrman fown northwanl throught tho ceutro of Sorbla on its way to join tho lhasuba.
Tho liuremas riees near $13^{\circ} \mathrm{N}$. lath, and Iows ln a Iongitudinal vallcy botween two purallel rumgen of the Dinarie Alpe, and in anorth.weer \left. diroction eo Untruchats (uear ${43^{\circ}}^{\circ} \mathrm{B}\right)^{\text {) }}$ ) and then abruptly turning mouthward it pames Mostar, where is is spannol by as aucient hridge. Bolow Montar the river honds rapilly to the mouth-west, and breaking through sho 1 'rologh Dlountuius ervowes Auatrian Dalmatia and ontern the Adriatio by the elsumel of Sarenta, belind tho peninnula of Salrioncollo. The valley of tho siarenta is very fertile, but in many parto manaly aud extromely unbealthy.
Homin has no lakes of nay itnportance, the largiot being the Mostaraka Blato, wout of Mloutar. It contnins a number of inineral springe, anong whitah tho bathe of Niovibazar and Budinir, and tho acidulous waters of Leponicsa or Kineliat, aro mast ins roputen
Climase, coil, and Pruducts.- The climsto is on tho whole temperate. Wiuter however commences early aud a great deal of snow falla, which lien on the lowlands fur many woeke. In summer the hent is moderateal hy oconsional heavy falls of rain. Wheat is harrested in July, aud grapes aro ripo in August. Tho nir is generally healthy at all neasons exceltt in the lowlanderalong tho Save, the Boan, aud the Narenta, where marnh fevers prevail in autumn and sumaner. Tho dry nipping Burra, or northenster, is prevalent on tho Adriatic slope espreeinlls.
The soil of Iosnia is in general of a rocky and stouy nature, adaptod rather for rearing enttlo than raising grain ; some parts of it howerer, particularly tho plnins and valloga near the rivers, aro very productiva. The lovel lands (where there are any) and the lower alopes along the rivers, especinlly in the valley of tho Bosma, nre very fertile, and in gouemal woll cultivated. Iu the basin of the Bosma the whoel-plough is used drawn by six oxen. Wheat, barley, maize, and ryo aro tho chief cora crops Peas, beans, flax, and tobacco are cultivated. Fruit is very abuadnart; the clrestnut and mulberry aro common. From the plum a speeies of braudy is made, and a luscious liquor, termed pekmen, is extractod from tho penr. Tho wines are strong and fiery, lut owing to igromanco of the art of making them, they will not koep; the best are made in the eavirons of Mostar and Jeni-Bazar.
The highlandsand mountains of Bornin are ro densely coverod with foreats as in mnay parts to forar inupenetrablo wilderuesses; thre trees of whicl they are prinoipully coniposed are the onk, leech, pine, fir; larch, and lime. Tho timber-trees are of tho moost manguificent growth, and if thore wore snoans of tranait Bosnia could furniah ship-building tinber for ull tho navies of Europe; as it is, large gqunatities aro Qonted dowa the Driun, the Save, and the Dasulue.
The looninn woods abound in wild animals-deer, boars, bears, wolves, 1 ynxes, and foxen ; and huntiug is a favourito occupation. Tlre breed of lionsea is strong nad liarly; they are also adhrived for their benuty, but in mont breeds tho hend is considered to be proportionally too large. Large herds of fine cattlo are kept, and bullucks form a considurahle article of Bosnian export. Buffaloos are foll in the manjak of Jenl-Bazar. Many of the sheop lave upright winding horas, and coarse knotted wool, and are of large size. Goats aro comzon ; swino aro fod iu vast numbers, and poultry is abuudart everywhera. The rivers abound with fish. Much honey is made. Oano is pleutiful, and lawking a favourite apport.
The province of Romin alounds with uinerals, but the Turks have not allowel the dovelopenont of this source of wealth. Gold, silver, iron, quieksilver, leal, coal, and salt aro found at varioun pointa. The mountains ronnd Bosua-Seral contain gold and silper; and in a foront nenr Travnik, the excavatious of the celebrated gold mine of Ilatuizza (litomlly niguifying gold in tho 13osuias tongue) ure still vinilhe. There aro silvor nifies near Sreberniza on the Drina, Kruppa on tho Uuna, and kiamongmed within a short dintauce of the Vierlans. Iren-mhene are worked $\ln$ the vicinity of Bosmn-Semil hy gipsies, who have a number of nnithies, in which horse-sloes, bails, lockn, iront platen, and other wares nro manufactured; some irous is also misell at Vakup, Stari Maidan, Kamengral, and a few other poluts. A lead mino in worked in the neighbourhood of Zyornik. Thereare fine quarries of frowtone and mill-atones, nlabaster, and marble. The
 the valloy of tho Spreven, a feeder of tho Boems. The water is drawn from tho welln, which nro 50 foot doop, hy zneans of a wiudlass aud bucketa und then boilod in small flat cauldronn.
Bomoin 1 panomese noze inconsirlerable mapufacturus of leather and onarmo woollen ituff. Chanon-balls aro manuffactured at Kamengrad, and powder at Bihacz, Ontrovacz, and Manjaluka; firearmes, Eworvls,
 Barnencua bletlow almo are mado.
The export of Bomala comprino wool, honey, and wax, goats' hair, hider, morveco and othar lenther, timber and articles made of wood, worvtel coverlids, Eoldiera' clonkn, horese, horned cattle, sheop, gonts, anine, poultry, intaeral waler, pitch, and other domentio p, roduce The importe consint of linenn, woollens, silkn, cottongooda, glass-ware, fax, atcol-ware, paper, tin, load, copper, assd iron-wnres, quicksilver, drugs, indigo, coluninl produce, tc. The principal seate of trude are Homasheral, Zvoraik, Banjalukn, Moutar, and Berlir or Turkish

Gradiske. The roads are bad and almost impassable except for horses, as is the case throughout the Turkinh territories. The principal and hest road is that from Brod through Travnik, and thence to BosnaSerail and Constantinople.

The inhahitants of Bosnia are composed of Bosniaks, Serhs, Croats, Morlacks and Montenegrins (principally situated in the sanjak of Herzek), Turks, who are settled in almost every town, and likewise people exclusively the district of Kliucz in the valley of the Sanna, Armenians, a few Greeks, and lastly, Jews. About half of the population, including a large number of the Bosniaks and all the Turks sre Mohammedans. The rest of the population is pretty equally divided into Catholics and followers of the Greek Church, the former slightly predominating. The numher of Jews and Armenians is small.
The civil administration of Bosnia is on the same footing as that of the other eyalets of the Turkish dominious. It is governed by a Vizir, who resides at Serajevo, to whom the governors of the sir вапјaks are subordinate. [TURKEY.]

Diritions and Tonons.-The Eralet of Bosnia includes, 1. Turkish Croatia which lies hetween the Verhitza and the Unna and forms the sanjak of Banjaluka. 2. Bosnia Proper, which comprises the territory between the Verbitza and the Drina, the Save and the crest of the Dinaric Alps, and is divided into three sanjaks: Travnik, Srebernik, and Zvornik. 3. Merzegovina or Merzek, which lies to the south of the two preceding, and is sometimes called Turkish Dalmatin. 4. Jeni-Hazer or Novi-Bazar, which was takon from Scrhia in 1815, and now forms a sanjak of Bosnia. The sanjak of Jeni-Bazar was formerly called Rucria it is said from the Raesa or Raczka, a feeder of the Ihar.

1. In Turkish Croatia, also called Kraina, the chicf town is Banjalul:a, which is situated on the left bank of the Vcrhitza, 33 miles sbove its mouth in the Save, 45 miles N.W. from Travnik, and has about 8000 inhabitants. The town contains 40 mosques, several colleges, two baths, a large gunpowder manufactory, and several bazanrs. It is defeuded by a strong citadel. Bihacz, 60 miles W. from Baujaluka, on an island in the Unma, is a small town of ahout 3000 inhabitants but of great importance for its fortifications and its position close to the Austrian frontier. Another fortress of great importance is Giradiska or Berbir, which is situated on the right bank of the Save, opposite to the Austrian fortress of Alt-Grndiska, 30 niles $\mathbb{N}$. from Banjalnka. The fortifications consist of ramparts and a citarlel. A bout 23 miles W. from Gradiska stands the fortified town of Dubicza or Doubitze commanding the passage of the Unna. The town was takcn, after a loug resistance, by the Anstrians in 1788: prpulation, 6000. Jutea, a walled town defended hy a citadel, situaterl on the left hauk of the Verhitza, and near its confuence with the Plieva, is amall town of about 3000 inhabitanta. This was formerly an important place. A large quantity of saltpetre is manufactured. The town was takeu nfter a strong resistance by Omer I'akha from the Bosnian inaurgents in the spring of 1851.
2. In Bosuia Proper the chief towns are Boswaseraí; Travnik, population about 10,000 , exclusive of the garrison which sometimes numbers 8000 men; Srebernik, a small place 58 miles N.F. from Travnik, situated among hills which contain rich silverores; and Zvorniti or Isvornik, whicli is huilt on a narrow strip of land on the left bank of the Drina, 55 miles N.E. from Bosma-Serai, and has about 6000 inhabitants. This town is walled and further defended by a fortress situated on a steep hill above the town; it contains several mosques, Catholic and Greek churchen, and carries on a considerahle commerce with Belgrade. Some of tho houses are large and aurrounded by gardens. Large quantities of timher and fire-wood are flosted down the Irina, the Sare, and the Danube from Zyornik. There are silver-lead mines in the ncighbourhood.
The towns just enumerated (with the exception of Boana-Scral) give names to the sanajaks into which Bosnin Proper is divided. Among the other towns we notice the following:-Bielina, 20 miles N . from Zvoruik, in the plaiu of Orlovopolio, in the northeast of the proviace, is a town of about 8000 inhahitants, the majority of whon are Turks. The houses are almost all huilt of wood. There are however a few good manaions, several mosques, and a large khan. To the west of the town lies a very hilly well-wooded country. Brod, a fortress on the right hank of the Save, facing an Austrian town and fort of the same name in tho military frontier. There is some trade hetween the two places in raw hiden, wool, cotton, dic, Upper and Lower Tuzla, two adjacent towne, famous for thcir salt-springs, aro situsted near the Spresen, a mall tributary of the Bosna, 53 milcs N.F. from Travnik. Lower Tuzla is the larger, and has a population estimated at 8000 . It is surrounded hy old walls and a ditch. On a risiog ground in the centro of the town is an old castle, now dismnantled, which commands a fine view of the town and the wooded hilla that inclone it. The town itself consists of an assemblage of dark wroden houses, relieved only hy an old konak or palnce, or by the white arid mender ininarets of the monques. The insurrection of the linnniak Turks in defence of their feuds! privileges, which were invaled by the introrluction of the Tanzimat, commenced at Tuzla in October 1850 , by the insurgents seizing the arms and ammunition in the castle to be used against the sultan's troops. The couutry west of Turla in ocuupied by the high Tavornik range, which extends to the Bosma. Tuzla gives title to a Greck bishop. Irunduk, a small town of 2000 inhabitants, is important as commanding the valley of
the Bosna, and a defile to which it gives name in the mountains westward. It is defended by an old castle, which crowns a moky pro montory 300 feet nbove the river. In the late insurrection of the Mohammerlan Bosniaks against the sultan, Omer Pasha fought two slarp actions with the insurgents near Vranduk.
3. In the sanjak of Herzegovina, or Herzek, the chief town is Mlostar, which is situated on the Narenta, in $43^{\circ} 22^{\prime} \mathrm{N}$. Iat., $17^{\circ} 58^{\prime}$ E. long., and has ahout 9000 inhahitants. It stands ou both bnnks of the river, which are mited by a stone bridge of a single arch. The houses are built of stone and roofed with slate. The towu is inclosed hy hattlemented walls. It is famous for the manufacture of sword-hlades and other warliko weapous. Cattle, hides, corn, wool, fruit, wax, and wine are the principal items in the trade of the town which is considerahle. Frobigne, 45 miles S. hy E. from Mostar, is a small town, defended by a square court tlanked hy four towers. It given title to a Catholic bishop. Livno, or Illiuno, a town of 4000 inhabitants, 50 miles N.W. from Mostar, is situated at the hase of Monnt Liubaska, and on the castern side of a ravine, in the bottom of which the Bistritza a feeder of the Narenta flows. Ou the north east of the town is a series of heights which join the plateau of Keuping, which lies on the south side of Mount Czernagora, nud forms the most southern part of Turkish Croatin. Livno is defeuded by a wall finnked with towers, and also by a castle. Tho Bistritza is apanned at Lubno by a stone bridge of five arches, over which the road to the Austrian provinces is carried. The plain of Labno, lying between the Prologh Mountains on the south-west and the main ridge of the Dinaric Alps on the other, is ahout 30 miles long and 8 miles wide; it is well watered by the Bistritga and some other streams, which are subject to considerable floods in winter and spring. The plain produces ahundantly corn and pasturc ; the olive is cultivated; other fruits are scarco; horned cattle and horses are numerong. 4. In the sanjak of Jeni-Bazar the clief town is Jeni-Bazar, or Nori-Buzar, which is situated on the Raczkn, a fecder of the lbar, 130 miles S.E. from Bosua-Seraỉ, and has about 8000 inhabitauts, many of whom are descendants of a colouy from Ragusa, The town, which generally speaking is a filthy collcction of lovels constrncted with timber and mud, is commanded hy a castle situnted on a height iu the centre. The mosques, 17 in number, and the shops in the bazaar, are the only objects worth naming hesides the castle. An important market for various wares is held here, the situation heing central between Albania, Serbia, Bosnia, and Montenegro. Tho neighbourhood of Jcni-Bazar is fortile and well cultivaterl. The Raczka and its feeders drive several mills. In the wars hetween the Serbs and Turks Jeni-Bazar was burnt hy the former. The only other place worth mentioning in the sanjak is Wischegrad, on the Drina, which has about 3000 inhnhitants, and is defeuded by a strong castle.
The eastern boundary of the sanjak of Jeni-Bazar rume along tho Ibar to its mouth in the Morava; thence south-west for several miles along tho crest of the Brusnik Monntains: it then sweeps round to north-west across the Slatibor Mountains and the river Mornvn, to the west of whick it follows the Stolatz Mountains to near $44^{\circ} \mathrm{N}$. lat., where it strikes the Drina.

The towns of Boania and of some other parts of Turkey are huilt round some commanding point which is occupied hy a kind of fortross and gencrally by the houses of the Turkish part of the population; this central part of the town, corresponding to the Greek acropolis, is called iu Turkish 'Kale,' in Slavonian 'Grad.' Close round the Grad is built the trading part of the town, inhahited chielly hy Christians and Jews, and distinguished in Slavonian by the uame of 'Varosh,' iu Turkish 'Bazaar.' This part of the town is generally iuclosed hy walls and gates, which are shut nt night. Ontside these walls is the 'palanka,' or suhurh, inhabited by the lowest orders, including the gipsies. The suhurb is surrounded by a diteh and palisade. Some of the towus however have only two, some only one of these divisions, and they are then distinguished by the correspouding name. Outside and completely surronnding the town a considernble space is occupied by the cemetery.
The llonnina villages, which are inhabited mostly by Slavonian Christians and in many instances by peoplo of the same kin and name, are self-governing. They elect a Stareshin, or head, who treats with the administrativo and fiscal officers of the sultan, directs the agricultural operations of the community, receives the contributions (levied on each head of a family in proportion to his income) for the purpose of paying the taxes imposed on the village, and decides petty differenccs among the peasantry. The Stareshin is assisted by an elected council, and if his condnct is uot appoved of ho is deposed. In towns also the artisans form guilds, are governed by laws of theil own decreeing, and obey a Staroat, or electerl chief, who is responsible for the guild to the authorities. In Bosna-Serail the Starosts of the artisans aud the Stareshins of the agricultural part of the population formerly possessed great privileges, the most singular of which was the right to force the vizir of the province never to remain more than three days within their walls, and the privilcge of complaining if necessary against the vizir to the corps of Janizaries at Coustantinople. In the new systcm of admiuistration most of their inmunitics liave beeu swcpt away, but the form still remains, and the respective sections of the popnlation still elcet and ohey their Starosts and Starcahins.

Mistorical Sketch.-Bosnia was includod in aucieut Pannonia. The

Sallas
 Furo tho $\mathrm{A}=\mathrm{t}$ of the iklerial srite that stilet In tho




 the Turke as the batle of Romowa, asil noons after lecemen a racul of is culten, with obom secritorg Rumbla wan finally incorporated in 116, tan yearv anor the enture of t'vestantinopa. The Ihaniak moldan. In order so retain thair keprial righen amil fevilal privilogen, trootical t'tis tinmity for tho foran, and nome of the jeanate $p$-rel she $r$ exseplas To the ditference crosted by tho foulal -juce leterem the lonl asol his ramile was mow muporndelel shat en -1 by , firrwo of redurion, which when grenlly embitiercel by the
 fers of the Turk wh omgive wan thene nach a wido chanm between sho isa clemse of tho fuppulation; and tho hintery of Ihwaia for now smerty four expturion finerate a loag continued oppromion of tho e harntina nage The presmment of the lato asltan Mahwud, dexiroua We estinate tho feulit asulean the ouly olutaclo to sho amilymantion of tho mpulation - af las interpment to protoct the Chrintime frun thour Nobwnstandes uppmeorn, who noototing the interference minel the cencland of rovolh. The lanurrection was eupprened after much et her. Ia 1591 s vigorvus bul umacee fill utfore was samlo to daveroy the prower of the sipabis, and from thes timo forwand the grurime han bow matil very lately in a state of anarchy. In $1838-9$ an enorvive goverwor, Vorfilis P'alu, was moat to Ilowin, and ho commencel his govertnrese hy announcing thet the Christims ehould thonowformanl to seaterl of the equale of tho Musulmase. The sellitary bag and kapitani, whow otfices hat beoome herolitury, wrere renovel, aml civll morvants nominaterl is thair room. Thin clange wa firot mado is tiso majak of lianjaluke, but han not jet oxtender Lo the tat of thenis af tho death of tho milian Mahmurt-an everat - lich rearamated tho courase and the hopes of the Sipahia But the gromulgation of the Hatt sherif of ciul Hand, containing tho Tamames or refurmed conneitution of Turker, and tho annoyance anmel by tho thenl arrangements inhoreut lu tho now ayateut, clrove the prable (who boul losen provlomaly exempt from thxes) to despe reldath. The mprementativo of the vizir wan driven from Boma-Serat, asl the vieir himand wan linhuiged from Travaik and obliged to take nifogw la sbo morntaius woekrant. Ilut haring colloctod the 4000 neriler Lroum diopersed over the province he met the Sipalis,
 doprasostumegla The rolele retroniod to llomuatiermi, which was fomeltatels blockital by tho vijfr and compelled to surrender. The lowlen were excculal of hanlahed. The country was pacificil tas the mow motams wat not jet entablinhal, nor wero tho foudal prive fixpuctens.

The goeal intriome oll chifedy upon tho myan: tho Sipahin, ms Infity oved, and all Nohammeelana pomenaing property only in coma $1^{\text {th }}$ nothing The sithes (which were paid upou all agriculteral prol $\rightarrow$ end the evtotes wore farmed, ant thic foutal chiofs Entoraliy liame farmern, exacting moro than thoir duo from the tmjes, tho aloo pinil the wmul prol-tax. In caso of inmurrection in the provimin the fecuert of chses wan oxempitel from jmymems to the anerel porernment, and cocortingly tho feudal chiefn laed a strong
 could sot work well ln such a state of thluga

Is 151 Talut l'whe wes sens an governur-geneml to Bomula, with
 markul intrigues so effect tho recal of thin ablo jmale had fallet,
 fo 1 19. The rivir tho marched gegainat shera to the Uuma wna defoctas at Mtheres, setiring sos Iraraik dial of voxation and ebotore The sulua's gorermmeat, elien occupiad with the affurs of tho 11 refuren, hook no steps for the roduction of tho thomsink

 7at ad is.000 rehein, who were entrencheal on tho laill of Vutahiak
 the limel, and Bowais I'roper whe rolued to olvodience. llus in




 ecall sovrur wrre in the rovzular army, por reakien tholr feurlal neturk=l anl Talo dosectal: Nond tho duatriot morth of she






(Ale q Inals of the C'hreion ewd the Turt, Lamdon, 1858.)

BuspOlUS, onou inoornoctly writton BOSPllOlUUS, is a puro Grock wonl (Bbomepos) : sooording to mythological tralition is derive Ite name froma the framgo of lo over uno of tho atraits so callexl wheu aso wan turnod lah a cow (.Kach. "Prum." 785); tho Ilomporus as thus oxplained lilemaly dignifying "tho pamene of the cow:" Two straits aro mentioned by Crock asd llomad wrilors ulsler this name. Ono muntimen anlled tho C'hanwel of Cumatuntinople, in Turkinh Boghas, nniten tho Iropoutin, or Sen of Marmanh, to tho Black Sen Thia narrow ehannel whes ofton aslesl the Thmainu Ihompores, by way of dintinction from tho other named tho Cimmerina.

Tho Cimmerian Bomporus, now varioully manel tho Strait of Kiaffa, Yenikald, or Kerlech, is tho narzow parange which conuecta the I"alus Ilmosin, or Sion of Azof, with tho Black Sen (Azor.] A narrow slip of low and fertile land on the sontheass margin of tho 'rinrion Chernonerus, tho modern Crimes, formed the wacient kingilon of Boaporus It exteaded about 60 milem la leupth, direct distance, frum Thevalosia or Thoulonin, now Fivorlodin or Kaff, on she weat, to Panticaprum or Ihaforis, huw Kertech, on the Sitrait of Yenikald. Hoth Theodowia wad Panticupuum, the capital of thin little kingilom, had goond ports ; and betweon them wan N゙ymphoum, which also had a good hartour. I'anticapucum was a Milesina colony. Benidon the territory alrealy deacribert the Greek kings of Bomportus prosseasod I'lanaguria, nuw Tmutarakau, on tho peniusula of Taman, which forma tho eastern slde of the strait of Yenikele; and fimaly they seem to have becone masters of the whole Criunea. The quantity of grain brought from tho Basporus to Atheus was, according to Dumosthenes ('Contra leeptin.') equal to all the coru impurtod from all other foreign placea

At a later date the kingulom of Bosporus formed part of the dominiuns of the great Mithridates, who is anid to have died nt Panticapaum. It fell, with all tho neighburing districk, next into tho hands of the Blomans, who gave is to Iharusces, the sou of Mithridates. Pharnaces laviug invadal l'ontus and excreiserl great cruelties towarls tho IKoman citizens, was attacked by Julius Csosar aud defeaterl. Ho fled to his kinglom of Hosprorus, whers ho wan immediately murdered, and his throne was given by the dictator to Bithrilates of Pergamum (about B.c. 4i). Tllis kimgion of Bosporns continued unler the Ikoman emperors, but is ouly known to us from tho ocensional interfereuce of the Cresars in the numination of a kiug. or in attempts to reatore tranquillity. (Tacit. 'Amml.' xii. 15-21.) A race of half Greck, half barbaric kings continuod to possess sho Crimea and the neighbouring coaste of the Bluck Sea at Ienst to tho time of the Antoniucs, aud the kingdom of Bongorus ulmont survived the looman cunpire, aud only expired under the ravages of the Huns

The Thracian lbusporas is about $1 \%$ miles in length, aud at its narrowest part about 600 yards acroms. The geucral breadth varies from 700 to 1000 yards ; opposito the Gate of tho Soraglio, in Constautiuople, it extends to 1640 yurds. It has been often stated (after llimy) that the opposite shores of the strait are within range of the human roice, ame that from cither shore the hirds cass be heard to sing and the dugs to hark our the other; but the statement is a very questionable ono, although the human voico at shouting pitch may sometimees perhaps be male to bound across the strait. It is supposed that the Bunporus lins been formed by volcanic agency. The rocks on each sido consiat of trachyte, or trachytio conglomerate, protruding through alate and fomsiliferous limestonu: they contain copper and aro thereforo of a greenish colour. The strait is divided iuto neveu reaches or bays by as many promontories, the projections on one nide having a corroaponding iudentation on the oplosite cuast. Tho currunt takes a different direction in ench of the seven roaches, and there nre conesponding counter-currents in one half of the clarnel.
(Strabo; Raoul-Roclette, Antiquités Grreques du Bosphore-Cimmerien Dicliunary of (rreck and Roman (icograzhy.)
BOSSINFY with TREVENNA, Conwall, a borough and markedtown in the parish of Tintagel and hundiod of Lesnewth, situated on tho comat, in $50^{\circ} 40^{\prime} \mathrm{N}$. Int, $4^{\circ} 42^{\prime} \mathrm{W}$. long., distant 25 miles N . from Bordnin, and 231 miles W, by S . from London. The pmpulation of tho parinh of Thintagel in 1 S5l was 1084, of which unuber however tho lambet of lloseney does not contain a tenth part. The living is a vicarnge in the archdeaconry of Cornwall and diocese of Exeter

The lwough of Bossiney extends over a great part of the prurish of Tintagel, and comprisea about 350 English acres. The corporation had a eliarter from Iichend, earl of Cornwall, brother of 11 enry 11 . lumincy onjoged sho olective frmulhiso from the reign of Eidward V'1. until sho pasaing of the leform Act, when it was disfranchised. Tuseiney han a inarkot on Thurshay, and a fair, which is now heh at Trevonna, priucipally for horned cattle, on the first Monday after the 1 sith of Ootobor. The town-hall is chiefly used as a school. Tiutagel las becone frequentod on a watering-place, for which it is wall arlaptol. The locality is very healthy. The scenery of tho coast is oxcoalingly wild and picturasqua. Boamincy is situated on a wilu bleak part of the northern coast of Corawall; but the town nppenrs formerly to lave been of some lmportance.

Near shin place is the castle of Tintagel, supposed to have been the birth-place of the famous King Arthur. Built on a high rock that juln out into tho nen, by which it is nearly surrounderl, this enstle muxt have been a flace of conniderable etreugth. In Leland's time a clapel sooms to havo ocenpied part of the sitc of the keep, which ho calle the dungeon of St. Ulotte, alins Ulianme. Tho church of

Tintagel is supposed by Lysons to have been appropriated to the abbess and convent of Fontevralt in Normandy, and having come into poasessiou of the crown, to have been given by Edward IV. to the collegiate church of Windsor. The dean and chapter of Windsor are the patrons.

BOSTON, Lincolnshirc, a seaport, market-town, municipal and parlianentary borough, and the seat of a Pour-Law Union, in the parieh of Boston, wapentake of Skirbeck and parts of Holland, is situated near the mouth of the river Witham, in $52^{\circ} 58^{\prime} \mathrm{N}$. lat., $0^{\circ} 2^{\prime}$ W. long.; 30 miles S.S.E. from Lincoln, 116 miles N . from London by road, and 107 miles by the Great Northern railway. The population of the municipal borough in 1851 was 14,133 ; that of the parliamentary borough was 17,518 . Boston is governed by a corporation consisting of 6 aldermen and 18 councillors, one of whom is mayor; and returns two members to the 1 mperial Parliament. The living is a vicarage in the archdeaconry and diocese of Lineoln. Boston loor-Law Uuion contains 28 pariahes and townshipe, with an area of 97,250 acres, and a populatiou in 1351 of 37,677 .

The origin and ancicnt history of Boston are obscure. The great eanal or drain, callerl the 'Car-dyke, whieh exteuds 40 miles in length from the Welland, in the south of the county, uear Lincoln, to the Withmm, is generally attributed to the Romans. The 'Foss-dyke' is a cont n ation of the drain from Liucoln to the Trent at Torkscy, and appear to have been formod about the same time. 'The 'Westlode,' another ancient drain in the parte of Holland, camics off the upland watera, by ita communication with the Welland at Spaldiug. The old sea-dyke is a great bank crected along the const, in order to reuder the dmins safe from the influx of the ocean. The county of Lincoln was ineluded in the Koman province of Pluvia Cesariensis, and there were several military stations in diffurent parts of the county. Lincolnshire was a part of the kiugdom of Morcia during the heptarehy, and Boston is belicved to be the Yceau-ho or Icanhoe, at which, accorling to the Saxon Chronicle, St. Botolph built a monastery in A.D. 654 , which esisted till the county was ravagod by the Dancs, A.D. 870 .

Little worthy of notice ie recorded of Boaton during the early part of the Norman goverament. In the year 1204 when the ' quinziemo' was levied (a duty which was mised on tho fiftoenth part of land aud goods at the several ports of England), London paid the largest suus ( $836 l$.) of any port, and Boston was the second ( $780 l$ ) in amout. A great anuual fair was at an carly period held at Boston; it was resorted to from Vorwich, Bridlington, and Craren in the 13th century. Articles of dress, wine, aud groceriss formed part of its commerce. In 1281 part of Boston was destroyed by fire; and in 1286 a great part of tho town and the eurrounding district anfferod from an inundation. It was onc of tho towns appointed by tho statute of staple ( 27 th Edward III.), whero the staple of wools, lcather, woolfele, and lead chould be held. Many merchants from the important commercial towne of the Continent reaided at Boston during thie carly period; it also ranked high as one of the scaports of the kingdom. Tho merchants of the Hanseatic league eatablished thoir guild here. At the time when Leland wrote his account of Boston (1530), the commerce of the town had begun to declinc. Boston was etill further redueed by the dissolution of the mouasteries by Henry V1Il., though that monarch made somo amends by granting the town a charter of ineorporation; it was thus made a free borough, and enjoyed many important privileges. I'hilip and Mary, iu the first Jear of their reign, cudowed the corporation with a rich grant of lands and messuages. This important endowment, rendered more valuable by subsequent Inclosuro Acts, has given the corporntion upwarils of 500 acres of land. Queen Elizabcth granted the mayor and burgesses a charter of admimity, giving them power to lory certain duties on shipm entering the "Jorman Dceps." In 1571 Boston and the surrouadiog district suffered much from a violent tempest, an account of which is given by Hohnslied. During the latter part of the 16th ceutury, and again in $1625^{\circ}$, it was visited by the plague. In 1643 boston was made the head-quarters of Cromwells army. The June 1643 Colonel Cavendieh defeated the parliamentary truops at Donington, near Bueton, and eoon after Cromwell removed his quarters t) Sleaford. Thring the 18th century the commerce of Boston continued to declime.
The Dominicans, or Illack friars, were established at Boston in the early part of the 13 th century: in A.D. 1288 their church was burnt in a riot; but they were afterwards reestablished. The Carmelite friars had a priory at Boston, founded in 1301. The Augustine friars harl an establishuent at Bonton, founded in 1307; the Iranciscans, or Gray friars, had also one founded in 1332, nnder the wardenship of the monastery at York. The sites of these houses were granted to the corporation at the Reformation. Several associations, called 'guilds,' exinted in the town, some of which seem to have had a mixed character. The monks are supposed to have been their firat and appears to have lind only mercantile objecte in view. The and appears to have lad only mercantile objecte in view. The
guilul of the Blomerl Mary was one of importance, and in its purposes partly religious. Its hall is unw used by the corporation for their jndicial proceeding, public dinuers, \&c. The guild of St. Pcter
and St. Panl was a religious ontablishment, and lad a chapel or an
altar in the parish church. St. George's guild was a trading community. The possessions of all thesc guilds were vested in the corporation of Bostou wheu the religioue houses were dissolved.
The portion of the town ou the left bank of the Witham cousists of one loug street, called Bargate, the market-place, and some minor streets. On the right sirle of the river is another long street called High Street. The market-placo is spacious, and the market is well supplicd with cattle and corn from the inlaud districts. Au abundaut supply of water has been procured for the town ander the powers conferred by an Act passed in 1847. Boston is well supplied with coal, by sea from the Tyne and the Wear, and by milway from Derbyshire and Yorkshire. The old poor-house, in St. John'e Row, was built in 1730; the new Poor-Law Union workhouse was coustructed in 1838.
The first stone of the present church of St. Botolph was laid in 1309, but the existence of a church at Boston is recorded as early ns 1090. This church is one of the largest parish churches without transepte in the kingrom. It is 245 feet loug, and 98 feet wide within the walls. Its tower is one of the loftiest in the kingdom, bcing 300 feet high. The tower, which is visible at sen for more thau 40 miles, is surmounted by au clegant octagonal lantern, which is a guide to mariuers on entering the Boston and Ljnn Deeps. In a chamber over the south door is the parish library, which coutains sereral huudred voluures, among which are many valuable and scarce works on divinity ; it was formed by Anthony T'uokney. The chureh has recently uudergone extensive repairs and restoration.

The chapel-of-ease which was erected by subscription in 1822 is a perpetual curacy. A new church wae built in Skirbeek parish iu 1848 in addition to a former church iu the same parieh. There are places of worship in Bostou for Independents, Wesleyan aud Irimitive Methodists, Baptists, Uuitarians, and Quakers.

A Grammar school was provided for by the rich grant of Philip and Mary in 1554. The building was erected by the mayor and burgesses in 1567; it is in the Mart-yard, so called fron the great annual fair having beeu held in it. The school had been almost closed for several years, when in 1850 the trustees obtained a new seheme. There are four masters who are paid from the clarity estates: the head master's salary is 200l. a yenr, with a free house and other advantages. The number of scholars in 1851 was 94. The BlueCoat echool, established in the year 1713 , by subscriptions aud donatione, is for the education of boys and girls. There are National aud British schools. Laughton's Charity school was established in 1707. There are numerous Infant, Sundry, and otlier sehools. 'The names of other charities eufficiently explain their object; sueh are the Dispensary, Biblo Socicty, a Dorcas Charity, aud tho Poor Froemen's and Apprentices' Charities.

Loston has two subscription libraries; it possesses also a mechanics institution. A epacious courthouse for county aud other business was built about 1843 at a heavy expense. Salt-water baths were eatablished at Boston about the year 1830 ; tho walks and grounds belonging to them; which are pleasantly laid out, are open to the inhabitants of the town. Over the market-house is a suite of assembly rooms. The custom-honse is a plain enbstantial building near the quay. Thero is a cast-iron bridgc of elegant structure over the Witham; it has hut a single arch, of 86 feet spau, and its rise is a; elight that the roadway over it is uearly horizontal. Tho cost to the corporatiou for this bridge asel the approaches to it was 22,000 l.

As the prosperity of Boston depended in a great degree on the Witham being navigable, cousiderablo attention has been in past times directed to the removal of obstructious and the cleansing of the river. In 1720 a vessel of 250 tons could ascend to the town; but by the year 1750 the Withan hod hecome so choked up as barely to allow \& paesage for a sloop of 40 or 50 tons at a spring-tide. Under the powers of Acts of Parliament subsequently obtained great efforts havo been made to maintain the Witham in a navigable stato; aud Boston is uow a port of considerable trade. Vessels of 300 tons burden are enabled to dcliver their cargoes in the heart of the town.

The foreigu trade of Boston is chietly with the Baltic, whence are imported hemp, iron, timber, tar, aud other commodities. The chief exporte consist of comi, partieularly onts, largo cargoes of which aro sent to Loudon. The gross reeeipte of customs in the year ending 5th Jautary 1851 amounted to $28,770 \%$. The number of vessel registered as belonging to the port of liostou on December 31st 1852 wasunder 50 tons 115 , tonarge 4313 ; above 50 tous 54 , tonnage 3539 ; with oue steam-vessel of 18 tons. During 1852 thore entered and cleared at the port, in the coasting trade, inwarda, 755 vessels, tonnage 36,598 ; outwards, 522, tonnage 24,942: in tho foreign trade, inwards, British vessels 12, tomnage 1630; foreigu vessels 14, tonnage 1313; outwards, British 19, tonnage 1472 ; foreign 13, tonnage 1239.

The manufactures carried on within and around the town consist chiefly of ehips, sails, canvase, sacking, iron and brass work, coopernge, ropes and cordage, leather, hats, bricks, whiting; thero aro also broweries and malthouses.

By means of the Witham and the canals connocted with it Bostou las a navigablo communication with Lincoln, Grinsborongh, Notting. ham, and Derby, aud by them with all the inland towns. The East Lincolnshire railway conneets Boston with Louth, Grimshy, and other towns in the north; the Great Northern places it in conncction with




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 brter to martat now larno quancitio of ggricultuml produca
 Aymes Towes and ibo llumy Tower. Krwo Tower is aituated about tre milion mas from homoon ; it in of brick. quadrangular. and lian an ortarvend terrot it its wuth mas anillo containing a fight of almut ivrily dopm It is now the property of the lonn and Chapter of Whatenterar. The llueser Tuw or in nitustal in tho lown, nenr St. dita': Ifor, and io all that rmanims of a keroulal rovidence of Lond Ilewry.
(Reymothe Cbamenery on the Itiarrary of Amlominus: Taaner, dic is Nenerne: Thompron, ('ollection for a History of Bas'on.)
mastos), ('milei sitale of Amerios, capmal of Suffilk county and of tbo wote of Jamehmestles, io pituated in $42^{\circ} 21^{\circ} \mathrm{N}$. lat., "1 $1^{\circ} 4^{\prime}$ W. loer- 132 mile S.I: Srom Wiahiagton, at tho bottom of Mfameatmoth llay, as a preimenla abore two eniten long, and in no part moov than coe mile troal. The marrow isthonus by which tho prolomest is goined to tho minland in called Bonton nock, and the orcu of tho shich wathee the peniurula on its north and west ebden is moned Cluarlas liver.
Pomeon wa foumded shont the year 1030 by tho sottlers establishod? at Charletown, of the shore of Mnachensetts layy, contiguons to pheoe preinode lee Indien name wes Shawinut, from the springs which wert in the locality: it was aloo called Trimonutain, from three loffy thille one and around whieh it is huilt. The name of lheton wha riven in compliment to the Iler. John Cottou, wbo had
 -nu drive by the religions pernecution to which the original mulameat of the New Baghand oolonies munt bo ascribed.
The early mettlen cloimed, and hy thoir voluntary expatriation cook atfectual menan for securing the right of regulating their own chareh dinetpline and doetribe hat thoy did not learn tbo juntice of telernting religiout egteme diferent from their own; the very first covert of election bild in the colony paning a law by which nono lot charch membern conld to admittod to my share in the governwinh or lo copable of being chosess as ungintrates or serving as jarymon.
the echeme of taxing America by the lBritish Farlinment met now bare whele a more decidel opporition than in I Boston. The Stannp Aet wis to come into opremtion on tho lat of November, 1165 ; but proviocely to that day weri na riota took place in the ntrocts of lhanton; the Le kine inteaded for the reception of the atampe was pulled down, and the lieutenast-guremor whe foreal to quit the city. On the arrinal of come connigusnents of tea at the port in Decernber liis, a perty of the tmea of Bowton, digguisorl as Mohawk Indiane, procintal on boand the tea ohipmtbou lyisg at tho wharf, nnd omptied the cootanse of every cheel lato the men The Iritinh Parlinneut in conapueser fayol an Aet making tho landing and shipping of goods as the town or hartiour of lhotlon illegal, until fulf compenmation abould bo mado by the cowa to the 1iuat India Comprasy, and until the kina in coosmel ahoukd be metinsed of the ro-estahlimhment of order it ubs lown. A subwavent Act rentel in the crewn the apperatemat of all municigul and judicial oficem; by a third Act, as goremor wes larelal with power to comal for trial to liaglaul all sersoos cormed of offenew agime tho rovenue, or of rioting in un eoteay.
Barly in the mrolutionary war Bonton lecame tho neene of
 Chenoce morth of Cluarlo liver, hetwers the liogaliot forcom uuder
 d acrlame eider Gewernl I'utnom. The Finglinlt nner having been
 eproselit trow choir pmatloon, but with a low of 1100 kilienl azal

 Whaldrioe erriend befiniol lamon, wheh be continued to invent until


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 cotinaimetion with Eat Cumbridgo ; the Weteru Arenue, s molid
atrueture of granite, filiell in with carth, a milo nad a laalf long, lewis to Drookline, and conntitutes a dam about 600 acren iu extent whicls aflorla by the flowing of tho tide a great wateryower. The bridgen aro well lighted with gas, and mont if not all of then lave a "draw' in the contro to alluw the pamage of ahipping. There are almo neveral raliway bridges or viaductu over the river. Lionton in the contre of an extensive ayntem of milway communioation, reaching to Canade and the Miminippi. There are neven milway termini, or depots as Whey aro callod: tho fineat of thewo buildiaga is the Ficheburg in Canseway stroct; it is built of atome. These seron depots are tho ternini of the great trunk-linos which a fow milea from lBoaton throw of numerous hrancher in Norember 1853 no less than 126 traiun duily left the city. The Atlantic and St-lawrence railwny, now parlly open, will when completed afford direct railway communication hetweon lloston and Montronl; and anothor line runuing Ly Coucord, Now 11 numplire, and Ilnverlill, forms a junction with one of the Noutrenl linen. Froms Boston the Middlesex Cainal raus to the Merrinanck River at Chelmeford.

With the oxception of a Epot in the south-western part of the city, called tho Common, contaiuing about 43 acren, plauted with trees, furniuhed with scate, and forming a fine promenmie and place of recreation for the residente, the prublic Garden, a apace of about 12 acres, and soveral open squares, the whole of the peninamin is occuplied by buildinga. Many of tbo beat housea and public buildiugs are built of granite, many of the streets ane paved with granite, and the city is often named by way of compliment 'the Urnnite City." Tho older hounes are of wood ; those of later erection are generally of brick or stone. The city is lighted with gns. Thome ntreetn which remaiu as they wero originally planued are unrrow and erooked, and the old woodeu honsen in them aro of suall dimensions. In the modern part of the city the streots are wide and straight, and the honsen spacious. The original inequadity of the surfaco has been preserved, nid there are numerous emineuces which rise from 50 feet to upwards of 100 feet above tho nea, giving a picturesque appearance to the to wzi. Among the public buildinge are the State lloune, in which the Legislature of Mansanchunctis holds its sittings; the County Court Honse ; the City IInli, or Old Court Ilonse ; Fanenil Hall, a brick edifice crectod abont 1740, named after tho Bostou macrelant who presented it to the city, knuwz as the 'cradle of liberty;' because in it were generally held the meetings precerling ant connceted with the revolutiou, nud still the favourite place for public meetinga for the citizens : the ball in which puhlic weetings are held is it feet square and 28 feot high, with gnlleries on three sides supported by two ranges of lonic columus ; tio Cuatom Honse, built in the form of a cross, and lanring fine porticoes in front; the lixclange, erceted in 1812 ; the Massachusette Hoapital ; the Houne of Industry; Quincy Market, a grauito building 500 feet by 38 feet; the llouse of Correctiou; three theatres; a museum ; two huildings of granite, which aro used for concerts and leetures; and sereral halls belonging to differeut associations. Tlie State House stauds ou an eminence called Beacou Ilill, 110 feet ahove the level of the sea, commanding an cxtensivo riow of the bay and surrounding couutry. lis the building is a fine statue of Washington. The 13ostou Atheneum bas two large huildings, one of which coutains a library of about 30,000 volumes; the other containg rooms for lecturas, \&c., and a picturegallery. There are in Boston 100 places of worsbip, 15 belonging to Congregationalista ; 12 to Baptists; 12 to Episcopalians ; 11 to Methodintn; 12 to IRomna Cntholics ; 20 to Unitarians ; and 6 to Univerzalists; and the remaindor to varions minor denominntions. Sonno of tho churches are haudnome buildings. St. Taul's church in Commou Street contains a mounment to the memory of Dr. Warren, who was kifled at the battlo of Bunker's Hill. Frauklia who whe born in Ilomton ham a monument erected to his menory in the old burying. place known ne the Gramary ground.
Sonth Boston, extending nloug the south side of the harbonr for about two milee, conteins ahout 600 ncres regularly laid out in otrecta and mquarea. Near tho centro of this division of Boston are tho Dorclemter lleights, 130 feet bigh.
linat lhaton is on an island which contains about 660 acren of land, with a largo quantity of Rata. Constant communiention is kept up with Old loonton by a ferry. It in connocted with Chelsea on the mainland ly a hridgo cuo feet long. Jiant Boston has arisen within the lant 20 yeara, and now has a population of 20,000 .
The progrom of the city will bo seen from tbe following statement of tho amonnt of its population at various dates from the beginning of the last century :-


It thuo appeare that in 1850 the propilation of the city was nearly aix fold itn nthonut in 1800. Within a mhort distance of the city are numeroun towne and villagen, many of which lave piers and landingo placon, lineluding 11 ingham, Ilull, Quincy, Milton, Joreliceter, RoxCurg, 1 lrooklindo, 13 righton, Newtod, Watertown, Cambridge, CharlesLown, Chelien, Malden, Medford, and Somervillo. Iudeed as a
inetropolitan district Boston may be cousidered as extending niue miles around the Exchange, within which bounds the population in 1850 was 269, S74. All the citizeus are free, the constitution of the state having doclared that 'all men are bora freo and equal,' which declaration was decided by the Supreme Court of Massachusetts iu 1783, to be equivaleut to the abolition of slavery. The city is governed by a mayor, 8 aldermen, and 48 commou councillors. The General Court of Massachusetts meets at Boston twico a year, and the Supreme Courts of Judicature for the state are held there. Tho city has a court styled tho police court for the city of Boston, consisting of three justices, and there is a municipal court consisting of oue judge, who has cognisance of all crimes not capital connmitted within the city and the county of Suffolk. The judges of the police conrt hold a justices' court every Wednesday and Saturday.

Boston Bay or harbour is formed by uumerous small islands, on one of which at the entrance is a lighthouse 65 feet high, with a revolving light. The harbour extends 14 miles from Point Alderton to Medford, and from Chelsea to Hingham is at least 8 miles wide, covering an arca of 75 square miles. There is in general sufficient depth of water within the bay at all times of the tide to enable tho largest ressels to reach the wharfs and clocks, of which there are in all about 200. Contiguous to the wharfa and docks are extensive ranges of warehonses four or £ive stories high, and from 50 to 80 feet in brealch. Vessels ho here in perfect safety, from whatever quarter the wind may blow. The entrance to tho harbour is so narrow as scsrcely to adinit two ships abreast; it is defended by Fort Independence on Cistlo Island, and Fort Warren or the Citadel on Governor's Island. For the protectiou of the external harbour there is a strong fortress on St. George's Island. Boston is the second commercial city of tho Uuited States. It has 32 banks. Its trade is very exteusive both with foreigu countries and with the southeru states of tho Union, to which it sends large snpplies of salted meat and cured fish, as well as domentic and Furopean manufactures, receiviug in return cotton, rice. tobacco, stares, and flour. It has also a considerable trade with the western states. The tonnage of vesscls belonging to the port nmounted in 1841 to 227,608 tons, in 1842 to 193,502 tons, in 1850 to $320,68 \%$ tons, in 1851 to 343,308 tous. The aggregate burdeu of the ships built at the port in 1819.50 whs 23,450 tons. Tho arrivals from foreign ports during 1850 inclnded 2879 ships of 478,859 tons, and the foreiga clearances 2339 ships of 437,760 tous. Iu 1849 the value of imports amounted to abuve five milliuns of pounds sterling: tho oxports were under tro millions. The imports conaist chiefly of woollen, cotton, linen, and silk manufactures, sugar, coffee, indigo, grain, Iour, pork, hides, hemp, anthracite, and lead. The exports consist of fish and fish oils, salted nneat, ice, soap, candles, paper, cordage, hardware, and furniture, with a small quantity of the cotton manufactures of the country. Leaides the foreign trade there is a very large local and consting trade. In the coastiag trade 8100 veasels arrived at Boston in 1849 , exclusive of sloops and schoouers bringiug wood, stone, and sundries which are not entered at the custom-house. Lines of packets ply to all the seaboard cities. There is a considerablo trade with Califormia. Several large steam-vessels furm a regular line of communication between Boston and Oreat Britain, stoppiug at IIalifar, and performing tho voyage in some instances iu about teu days.

Boston has an abundant supply of water from Cochituato Lake, formerly called Long Pond, about 20 miles from the Exchange. Tho aqueduct was opened is 1849. An elliptical brick conduit, 6 feot 4 inches by 5 fuet, conveys the water to Brookline, more than $14 \frac{1}{8}$ miles, whers is a pond of 22 acres, containing $100,000,000$ gallous. Two parallel pipes, 30 inches in diameter, convey the water across Charles liver: A large reservoir is on Beacon ILill, and another on Mount Washington in South Bonton. Cochituate Lake extends over an area of 659 acren, and has a depth in some places of 70 feet; its elevatiou is 121 feet abovo tide-water in Bonton harbour. It will be observed therefore that in case of fres (which on account of the numerous wonden buildings are far from unfrequent in Buston) the water needs no furciog. The fire-bells in the different wards of the city are electrically connected and strike simultaueously the number of the ward where a fire has broken out, so that the firemen know where their sorvices are required.

Bonton is generally regarded as the literary metropolis of the Uuited States. Its literary, scientific, and educational institntions are indeed such as fow cities of its size, even in the Old World, can equal. Benides the Athenaurn, already named, with its library, the Massaclusetts Historical Society, tho Boston Library Society, and the Columbian Library, have each good collections of books. The various public libraries of Boston includo an aggregate of about 150,000 Volimes, A noble library has just been founded in Boston by Mr. Batem of Jondon, one of tho eminent firm of Baring Brothers, and a native of Masachusetts. The Lowell Iustitute, founded by a Mr. Lowoll, who ilied at Bombay iu 1836, provides for the delivery of regular courses of popular lectures on science and art. The lectures, which are all free, are delivered in tho winter tnouths from October to April. The New Fingland Musenm is ono of the most extensive
In the United States. There aro besides a Callery of Fine Arts, an Academy of Arts aud Sciences, a Mochanics Institution, a Society of Natural Histury, founded in 1830, which las small but well-arranged
collections, and other similar establishments, which are in general liberally supported. An interesting feature of the environs of Boston is the cemetery at Mount Auburn, opened in 1831, and occupying an area of 118 acres, laid out with considerable atteutiou to the beautiful and picturesque in appearance. The cemetery coutaius numerous fine mouuments, many of which are of marble. An elegaut chapel has been erected in the grounds.
The public charitable and beuevolent institutions of the city are numerous. Besides the Massachusett: Geueral Hospital, already named, we may mention the IIospital for the Insane, and the House of Industry. The Institutiou for the Education of the Blind, established in 1833, is perhaps one of the best of its kind in the world. Besides being taught various branches of learning, the pupils are trained to industrial occupations, by which they may be enabled to procure the zeans of snpport for themselves in after life. The institution possesses a printiug-press, at which have been printed, with the assistance of the pupils, several works in mised characters for the use of blind persons.

Great atteution is paid to the cducation of the young in the stato of Massachusetts, and particularly in Boston. The number of primary schools in the city is 41 ; of more advanced schools, 23 . The school. houses are built aud maintained, and tho salaries of teachers, with all other expenses, are defrayed as a regular branch of the public expenditure, so that the schools are free to all. In the Primary schools of Buston in 1850 there were 11,370 scholars; in the Grammar schools, $0154 ;$ and in other schools, 471 . The public Latin school, origiually established iu Boston by the first settlers in 1635 , within five ycars after their landing, is considered as preparatory to the university, and has about 200 scholars under Give teachers. T'ke public High school, which provides instruction in Freuch, mathematics, and other studics preparatory to a commercinl curecr, is under the caro of four teachers, and is attended by about 200 pupils. The head master of the Latin school and the head master of tho lligh school receive each 2400 dollnrs, or about 500l. a year, being only 100 dollars a year less than the malary of the governor of the state. A normal sciool for girls has nbout 200 pupils, and qualifies ovory year nearly 100 teachers for schools attended by young children.

Harvard University, founded in 1638 , the best endowed institution of tho kind in America, is at Cambridge, 3 miles north-north-west from Boston. This college in 1851 had 20 instructors, 6342 alumui, and 203 students. The library contained 84,200 volumes. The Divinity school of the Congregational Unitariau body at Harvard University, commenced in 1810 , had 2 professors and 23 students in 1849.50 ; tho hibrary coutained 3000 volumes. The Law school had 3 professors and 98 students. The Medical school, founded in 1782, had 6 professors and 117 students.
Tho first Anglo-American newepaper, entitled 'The Boston News Letter,' was publinhed in this city on the 24th of April 1704; it continued to be published during seventy-four years, and for fifteen years of that period was the only newspaper printed in the English colonies in America. The second of these papers in point of time was likewise printed in Boston. The third Boston paper, first publishod in 1\%21, was printed by James the brother of Benjamin Frauklin, in whose name the publication was for some time carried on, in consequence of some dificulties in which James Franklin was involvci with the government. Some of the earliest writings of Franklin were given to the world in the colurnus of this paper, which was called 'The Now England Courant.' Tho number of newspapers printed in Boston in tho preseut month (November 1853) is stated to bo 13 daily; 13 semi-weekly; and 67 weekly, bi-weekly, aud monthly. Tho first daily paper was published in 1813.

Numerous periodical works are published in Boston. Among these may be mentioned 'The North American Review' (quarterly), and "Tho Arnerican Almanac and Companion,' a valunble work commeuced iu 1829, and conducted on the model of tho 'British Almanac aud Companion.' The priacipal Euglish periodical works are regularly reprinted in Boston.

Various warlike establishments of the United States government are located in Boston harbour. Besides the fortresses mentioned above there aro here an arscual, an extensive anvy yard, a dry dock, ropowalks, depots of cannon, arms, and naval stores, and hospitals for sick and infirm scamen.

Tho Massachusetts state prison, which is said to be well regulated, is situated in Charlestown. Only male couviets are received into this building. It appears that the profita dcrived from the labour of the convicts are sufficient to provide for the expenses of the establishment, and to leave a balance of profits.

BOSWORTH (commouly called MARIET-BOSWORTI, to dis tinguish it from Hnsbond's Bosworth, in tho hundred of Gartree), Lcicestershire, a markot-town and the seat of a Poor-Law Union, in the psrish of Market-liosworth and hundred of Sparkeuhoe, is situated in $52^{\circ} 38^{\prime} \mathrm{N}$. lat., $1^{\circ} 24^{\prime} \mathrm{W}$. long. ; distant 13 miles W. from Lcicestor, and 106 miles N.W. by N. from London: the population of tho township iu 1851 was 1058. Tho living is a ractory in the archdencoury of Leicester and diocese of Peterborough. Market-Bosworth Poor-Law Union contains 31 parishes and townships, with an area of 44,891 acres, and a population in 1851 of 13,516.

Tho town of Bosworth is pleasantly situated upon an cminence, in
tilf tro of a mey fertle div rieh and coataion sorend goal boume
 perees. heve and in the moebluurh is. The di by Chasl, which
 The manal to the property of the Milhand Hiflar Cle pary, anl can ece tho lune of tratio to and from the I in mel Murtan rulw 5 with the Urabil Junetlon Cuanl uear C-rwery. Thene are two anmual foiro fir attle hold at Jowworth on thot it of thay and the teth of suly. The urartet, chlefy fir comp to hold on Wriminalay. Thero be a rimel golico funve in the jarieh. A c+ity eomit beld in the cown.

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The thoo limentar achool, foumulal by Sir Welntan Dixic, lori mayor of 1 -ion. in 1545 . Lue an enlowment which now prodnces


 $f=$ ahlitional odbolasalipe were founilod from the charity revon. ing oeder of the Conrt of Chaneory in 1835. Schovia for girls ant fis hoge undor seven gears of age have heen opreued in the funr c) Fion comprimed within the pariah, and also in the parish of Cellits.
B- decinire batlle Lot woen IRichand III. and the Rarl of Richmonit, * b buget decis of Richarlanor a angguinary atrugyle terninated the lieg verife hetwoen tho houmes of L'ork and Lancister, was fought 1 os 23 nd 1463 on a plain commencing alout ono mile south of the bowne This fine and quacione phin. which is uearly surroundod by hi ha, wn formerly oalled Redmore llain, from the colunr of the - 1 : bet eineo the Lette it ham been deaignated Busworth Fiohl, from it aume of the acemst town. The plinin, which is somewhat of an oral form, about two zufle in length nnd eno in breaith, was uncultrited at the time of the battle: timber has since been grown upou it, and nothing of ita former nppearance remaina cxcept the general fran of the grumbl. The eprot where lard Stanley pliceel the batterd croon uprom cho bead of lichmond and hailod hiun king, is now known * 'Crown Ihll.' 1s. Fart, who rivited the apot in 1812, procured a alabeription for the purgmes of raisung a suitable monument on the apoh for which he furuinhed an appropriate Latin inseription. Numonon retion of the Latule live at difiterent times been turned up in dieging and ploughing the mil.
Revernl eminent pernone hnve beril born at Bosworth, amongat -loman pum, the ir tnught mathematician, ocenpies the frat glate In J-hown wan for a aloort time uther in the Free echool: In the mise =hool 1 lidharl Dawes, the celebmied Greek critic, and saif, the Aby in traviler, wero ellucntel. In the vicinity of the toon te lewirtb II-11, the mant of Sir W. W. Dixie, Dart, a fue old Lricd mansiva of the Flizabechan nge and etyle.
HITASIY IBAI Is aitastad in New South Walen, in $31^{\circ}$ S. lah. $181^{\circ} 10^{\prime}$ F. longe the en'ranee is littlo more than a milo broad, buif tha lay anarwanle ealarges to alout three milom in wideth. The groat gematitue of ghate fuend there by the matumalist who accornpmied Cook whas this lay wan disooversel, isdinced hiln to call it Ibotany liay The lay in extemira, and gnewl anclurage in foumel in from four to erven fachenas water; but both on the surth and mouth sidee und on the bothom of the lay fints extend to a grent distance from the abom, barlog colly fonr or Alve foet water on thicin. Of the connection


19 TTFHALK (setroix.]
Botilila, or luTTL.NA, in a game which was given st some mende feriud to the corsutsi an both alden of the (Gulf of Bothnia
 divhorl intos Fimena mad Weatern lhothing, but the former has been rallat io llousia, and ectastitutes the greater jart of the government of t'leaborg.

Wienras Bothnie conmituton with Iaphased the mont uortheru prove of Bumben. It lo loupried Nibl by llumin, from which it in
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The phen whic ocmpina the sorthert part of tho province in the
 avog the loweders of $\mathrm{A} \rightarrow$ ine the Lanks of the Mlooniontif and Tene ize At the font of the roeky mage which divides it from

 relbe sinil ladex with a fow listerreaing till of omall olovntion. The Enpite of the hiflo are ourered with : hite min-deer incon, and between Us lateo ano le bee of dearf birch. The counatry then liwem ravidy, and the lifrch mon promen ivalf os a full frowe treco. and mingles

dhout half way townils tho gulf, and lefore tho Muunio-1:isf falle
 aul is cuvared with formetrow, oxeept along the banks of the rivern, *hero agriculturo ban mallo connidernille progrean. Along buth linnks of tho Upier Torana l:atf are mome hilln of conatidemble height. These hilla aro inmenso huapm of irou-coro, nearly uselens to man on nocuunt of their vitnation. The term " olf," a Swolial word menning river, in generally amxed to tho rivess of Buthnin Tho Tornen-lilf rises in the lako of Tornes (Tornen.Tr k), which in inbedted in the rucky mounhins of the Kivlou, and extends abou: 36 miles in length, with on averape breallh of 10 milen, its north-enstorn extremity n pyronch Irg within 15 inllen of a He in Norway which communientes with the Sorde San From the latio of Tornea the river runa between hilla of iron-ore, fortuing numerous rapirh and amall catarncter, with ono remarkinble catamat near its conflnence with tho Muonio, where tho river in a diatanco of alaut 1000 fooi descends i2 feet in perpendicular belght. The 3uonio, which throught its whole currse is the boundary between Jhasin nand Swellu, is called in its uppur part Köng.mi, and in ansigatle for many miles abore ite mouth, tholygh it lans woune rapide. ǐefore tho Toruen. Eif turas to tho crast to unito with tho Muenio-EIf it meand off a branch to the right callorl tho Tirende-Elf, which after a torthous course of about 30 miles to tho mouth joina tho Calix-lile, forning in this way a matuml comal botween two river aystems. After the junction of the l'ornea-lilf and the Muouiv. Fis tho united stream, hearing the unme of the Tornea-Els, continues to form the boundary between lluesin and Swedeu. Tho Toruca-Elf has a course of upwards of 230 iniles, and falls into the northem part of the Gulf of Buthuia, a few iniles below the town of IIapanda This town, which is rising iuto importanco, was foundel in 1809. It posseases a good trale in fish, furs, iron, timber, tar, \&ce A stonmer naila between this place and Stockholm two or three times during the seamon.
The Calix. Pilf rises at no great distance to the south of TornonTrink in tho kijelen Jountruas, whence it carrios of tho waters of four or five large lakes. It dencends on tho anme plain to the south of the great group of iron hille, and runs nearly parallel to tho TomenE1/f enstsouth east for about half its course. After receiviug tho Tireude-ifif it runs southward. It is less rapid than the other lurie rivers of Bothnia; it reaches the most northerz part of the (iulf of Dothuia after a courso of nearly 250 miles.
The country between the Calix. Fif and the Lulen Flf forms tho sonthern part of tho plain, which may be consilered as terminating near the banks of the Lulea-Fif, where stupendous rocky maseos riso which aliet its banks as far nes its confluenco with the Lilla (Little) Lulea-ile. These hight rocks aro called Norm Aununs. In tho middile of the plann rises Homit Dunduri, which is uever entircly free from snow. To the north of it lics nuother group of irou hills leas extensive than that on the Lanks of the Torner-bilf. These heights divile the plain into two portions difierent in character. Between it and the Kiolen rango the country is covered with swamps, and here nut thero will reiu-leer moss ; the dwarf-birch is rarely met with. The country betwcen Mount Dunduri and Corma Ananas, called Stom Maddue, is a swamp, extending above 20 miles in crery directiou. The onstern portion of the plain is partly covered with forest-croen, and cultivated along the water-courses les soil is much inferior to that on the other side of the Calix-bilf, excopt where it approaches the sen
The Lules-Eiff is tho most rapid of tho rivers of Sweden. Rising on the enstern declivity of the Kiiilen Momatans it secon enters n succemsiou of laken situated at differeut levola and unitor by phort chanuck, which aro genorally cataracts of considemble height. Some milon after the river las left the last lake its waters are narrowed by stecp roeks on ench side, and rush town 400 feet in the space of less than ous uilc. This renarkable catanct is called Nianmelsnakas (the Ilare's Leap), whero the rapoure arining frotu the water are directly condonsed nud frcezo in winter, furming a vault strong chough to afforl a panenge to liaros. (Sclmbert's 'ileimen,' p. 362.) Farther down the river runs betweon two rangen of hight rocke, and hore the first molitary haluitntion in found about 120 iniles frous tho boundary of Norwny. It enters tho Gulf of Buthmia abont 2 miles below the Lown of liulea after a courso of 200 uniles. It is navigable for only a few milew fom ito motuth. Ita largest tributary, the Lilla Lulen-Elf, Whleh likewiwo risen in the Kiulen Mountains, traverses a succession of meven large lakea cxtending upwards of 80 miles from west to east, atd afterwarde runs above 20 miles before it joins the Lulea-lilf. Ite Leal lies in a dequer valley; its lankin are inhabitod in sereral places. The town of Lalom contains about 500 inhabitants. Au ulder town wan luilt farther Inland by Gustarus Adolphus, but in consequenco of the mon having roceded from it tho present sito was chosen for as new tuwa.
The country betweon the Lulen-Fif and Skelleftea-Flf is nearly equally dlviderl between moutaina nad plalms. In this pait the Kiolcu anngo risen to ita grentest height in Mount Sulitelma, and exteunive mangen of it are always covered with nnow. The ridges brunching off from it enstward are divided by wide valleyn, which In their upper parts are ouly covered wills awampes and roinfleer mom. In their lower jarts forestes of pines, fir, and birch are frequeut, and the lanbltation of meu begin to appear, but the soil is generally unfit for cultivation. Noug the water-courses the pasturo
is good. About 60 miles from the shore agriculture begins to be the principal occupation of the inhahitants, and villages are more numerous; hut even here woods cover the greatcst part of the country.
The Pitea-Elf riscs in the extensive lake of Peskejaure, which is inclosed hy high mountain rocks, and running through the mountainous country in a south-eastern direction, traverses many smaller lakes. Here it forms numerous rapids and some considerable catamets. About 60 miles from the coast it turns due east and falls into the sea a little below the town of Pitea, after a course of about 180 miles. It is only navigahle a few miles from its mouth. The town of Pitea occupies an agreeable site on the coast: the population is about 1200. The trade of the place is chiefly in timber.
The Skelleftea-Elf rises iu the uorth-eastern declivity of the Nasafiall, in which there are some mines of silver which for nearly half a century past have not heen worked. In the mountainous country this river traverses some lakes, and reccives the waters of others by narrow channels. In the plain it takes an east-south-easteru direction to its mouth below the church of Skelleftea. The rapids in this river are more numerous than in the others, but it has fewer cataracts, so that the salmou ascend nearly to its sources. The river is only $n$ vigable for a few miles above ita mouth. Its course is ahout 180 miles. On the hanks of this river the great plain of Bothnia ceases, the country south of it heing entirely hilly or mountainous, with few level tracts. The hills inland rise into mountains, with declivities covered with forests consisting chiefly of pinc, birch, and fir. The level tracts along the rivers afford pasture, and aro sometimes ctiltivated. Agriculture is moro attended to in the eastern and hilly parts of the country.

In the southern portion of Bothnia the mountains in the western districts form ranges rather than groups. Some miles north of $65^{\circ}$ N. lat. a range branches off from the Kiollen chain, which running nearly east traverses almost the whole of the Scandinavian peniusnla, terminating about 30 miles west of the mouth of the Umea-Elf. This range, called the Stötting-fiall, approaches the snow-line; and though its sumnits arc formed of barren rocks the sides are clothed with fir, hirch, and aspen, and afford good pasture. To the north of this chain runs the Oran-Elf, a considerable river, rising at some distance from the Kiolen, and runuing nearly east aud parallel to the Stottingfiill. It turns to the sonth-east where this mountain range terminates, and soon after cnters Angermanland, where after a farther course of about 45 miles it falls into the sea between the villages of Angersjö aud Lefvar. Its whole course niay he upwards of 150 miles, To the north of the Oran-Elf runs the Umea-Elf, which rises in the Kiölen range about $66^{\circ} \mathrm{N}$. lat. It first ruus south, traversing some lakes; and then turns to the southeast, traverses tbe large lake of Stora Umes, is joined by the Wiudel-Klf, and falls into the gulf after a course in sll of about 180 miles. The town of Umea, situsted at the mouth of the river on its loft bank, is the capital of Westerbotlinia: its population is about 1500 . It is the residence of the governor. In the neighbourhood are some mineral springs. The Windel-Elf, which rises in thic Kiölen range ahout $66^{\circ} 30^{\prime}$ on the south deelivity of the Fasa-fiall and descunds in a south-eastern direction with numerous hendings, is more free from cataracts than the other rivers of Bothnia, and a considerahlo part of it has heen reldered so far navigable that timber and wood may be floated down.

Lothnia, extending on both sides of the polar circle, has of course a very cold climate, though it is much milder than other parts of the globe in the same latiturle. Winter lasts in gencral eight months, from the beginning of October to the end of May, and the cold is very severe. It is followed almost immediately hy summer, a few moderate days only intervening betwcen the frost and a great degree of heat. In tho beginning of Junc all traces of winter have disappeared, aud the graiu is sown. The great heat produced by the long days of eighteen or twenty hours, united to the moisture which has accumulated during the long winter, gives rise to a very rapid vegetation. Corn is sown and reaped in some places in the course of seven ur eight weeks, and nowhere remains in the ground more than ten weeks Nevertheless it is sometimes destroyed hy night-frost, whicl generally nppears about the 20th of August for tliree or four nights in auccesaion. These nights are called 'iron nighte,' and are followed by about six weeks of moderate warmith. The quautity of snow which falla during the wiuter is very great; bit in summer rain is scarce. The rivers of Bothnia overflow the low tracts along their banks twice a year; the first time in the beginning of June, after the melting of the snow in the lower parts of the country; the secoud towarcla the niddle of July, when a succession of long days has produearl the same effect on tho mountains. The latter inundation is more favourable to the growth of grass than the former, and enahles the inhshitants to maintain a large stock of cattle during the eight winter months. The soil is of an indifferent quality, sandy and stony, except along the Tomen-Filf and Muonio-Filf, where it is rather good, esprecially towards the slores of the gulf. Along tho shores of the Gulf of Bothnia the land is better.

Wheat in only cultivated at one place, in the most southern corner of the province, and here linrdly a fow buslicls are annually ohtained. liye is grown nearly u 1 : to $66^{\circ} \mathrm{N}$. Lat., and oats aud barley eveu to $68^{\circ}$.

Potatoes generally succeed very well; turnips and cahbages do not thrive.

Black cattle form one of the principal sources of wealth in the provinces, hut the stock is limited hy the scarcity of meadows; the prs-ture-walks however are extensive. Butter and hides, which are the principal articles of export, are sent to Stockholm. Horses are rather numerous, and of a middling size. Sheep are only found in the south districts, and their wool is coarse. The Laplanders have considerahle herds of rein-deer, and live upon their flesh and other produce.

The inhnhitants of the more inland districts gain their living chiefly hy fishing in the lakes, which ahound in many kinds of fish, as pike, tench, trout, but especially the Salmo lavaretus. The salmou ascends those rivers which have uot high cataracts, and the number of fish taken is considerable.

The ligh plain hetween the Calix-Elf and Lulea-Elf, the upper parts of the mountains, sud the higher valleys, are in general oovered with rein-deer moss; tho remainder of the district forms nearly an interminable forest, especially in the inland country. The most common trees are birch, pine, fir, alder, aud aspeu. The inhabitants havo hitherto derived very little advantage from this vast treasure, owing to the rivers not hoing navigahle. In some parts along the coast tar and piteh are made for exportation.

Three nations inhahit Bothnia, the Fiulanders, the Laplanders, and the Swedes. The Finlanders have settled chiefly along the hanks of the Muonio-Elf and Tornea-Elf. They apply themselves especially to the rearing of cattle, and are distinguished hy their skill in the management of the dairy. The Laplanders inhahit the inland district, and couduct their herds of rein-deer in the summer to the upper valleys in the momntains, and even to Norway, but in winter they descend to the lower plains on the shores. Some of them have become agriculturists, and partly adopted the manners and customs of the Swedes. The Swedes occupy the country along the shores, and the valleys on the sides of the larger rivers. Thcy occupy thenselves nearly exclusively with agrioulture, except a fow families in the inland districts, who gain their sustenance hy fishing in the lakes.

Bothnia with Lapland is politically divided iuto two läns, or districts, of which the south is called Westerbotteu, or Unea Län, and the north Norrbotten, or Pitea Lain.
(Buch, Travels; Schubert, Travels in Sweden; Maps of Baron IIermelin.)
BOTHNIA (the Gulf of), tho most northern part of the Baltic Sea, extends from $60^{\circ}$ to nearly $66^{\circ} \mathrm{N}$. lat. Betweeu $60^{\circ}$ aud $64^{\circ}$ it lies due $S$. and N., hut the remainder declines to tho N.E. Its whole length is rather more than 400 miles.

Its entrance is formed by a strait called Alands Haf, which divides tbe Scandinavian peninsula from the Aland Islands that helong to the Russian government of $A$ bo, $a$ part of tho ancient province of Finland. Tbis strait is from 36 milcs to 50 miles wide. North of it the gulf widens suddenly, the coast of Swedeu trending to the northwest, so that before it reaches $61^{\circ}$ it bas attained a width of upwards of 240 miles, which breadth it preserves nearly to $62^{\circ}$. Farther north it narrows gradually, till near $64^{\circ}$ it forms another atrait, called the Quarken. That portion of the gulf extending from Alands Haf to the Quarken is called Bottniska Haffet (the Sea of Bothnia). At the Quarken the coas of Swoden is ahout 00 miles from that if Russia, hut the straits are still farther narrowed hy the Swedish island Holmoe and the Russian islands Walloe, so-that the free passage is ouly ahout 25 miles wide. To the north of the Quarken the gulf preserves a width of from 50 to 60 miles for some distance, hut it afterwards widens to about 100 miles, which breadth coutinues to its northern termination. The portion of it nortb of the Quarken is properly called Bottmiska. Wicken (tho Gulf of Bothnia). The coasts south of the Quarken are rocky though not high on hoth sides of the gulf, hut in general higher on the western side, where at a fow places they risc to 60 feet and upwards. To the north of the Quarken the coasta are low and sandy, with the exception of a tract uear the straita on the Ruseian side, where they are rocky but likewiso low. Tho largest part of the consts of this northeru portion is formed by an alluvial deposit brought down hy numerons rivers. There is no want of good harbours in the gulf; hut the navigation is interrupted by the ice for five months in the year to the south of the Quarken, and for sir months in the year to the north of it. The soutbern part of the gulf is however annually navigated by some Englisb vessels, which export timher and naval stores. Swedish and Norwegian vessels also hring these articles to England. A kind of small herrings, called by the Swedes 'strömmings,' appears iu summer in great numhers on the west const of the gulf, especially soutb of the Quarken, wben most of the inhabitants of the coast south and north of Hernösand are occupied in catehing them. The greater part are dricd, but in considerahlo portion undergo a fermentation in a closed cask, after having previously heen a little salted, and exposed to the air for a short time. The fislr thus acquires a sour taste, and is called 'snrströmming.' Both tho dried and sour strömmings are exported to the neighhouring countries, and are used hy the lower classes in a great part of Sweden. [Baltic Sea.]

BOTHWELL, Lansrkshire, Scotland, a village in tho parish of Bothwell, situated on the right hank of the river Clyde, in $55^{\circ} 48^{\prime} \mathrm{N}$. lat., $4^{\circ} 5^{\prime}$ W. long.; 8 miles E.S.S.E. from Glasgow, aud 38 miles W.S.W.

1 Thet The populatue of the wrell 1 marinh, joelnding the of Hellibill, Ihowholl, Chapelhill, 1folgwwn, Jewarthill, and

There aro illervoting husoriai nesciations onnnetel with Inthwell and two :Vy. Bidwanl I. roonpied the cwatlo for a fow daya in 1301 ; R2s -enl 111 . melo it bis residences for skous four weeks in is36. 1)r.
 reda to soollaid; Worla worth giree a atriking deceription of it is a mate W ane of the perme If laske and hold front to the month, mith the ctrcular towere at esch end, riang from the steep and woodal mate of the c7yde. prolucew a graud and impreadre approarance. ita the oppraito luak of the Clyde are the ruins of the ancient priory of Bha: fin The old eburch of Buthwoll, whedt was used an a place of wombip till 1935, io a gothic atructure of the It th century; it in roofed wiblenge Anga of alona. Ihothwoil liridge was the rcone of tho tein mbte ensumber lotwrea the Covenantern and the roynl forcou ubder the l)uke of Slommouth in 1679. The roalway of tho lirids wev then only 12 feet whide; and in the middle of tho bridge ma proral with gatea. Thee have long beon removed; and a very bendeome bew Livilge has beem erectal. The road has almo beeu much wideoal Niear Bothwell Haugh is a bridge over tho Sonth Calder, which notee writers bave supposel to bo of Roman construowas. The llomma 'Witling Street' went through this part of the country fir coveral iniloe on the northeant bank of the Clycle. The parwh church. a Ane gothic elifice, with an elegant tower 120 fect Fhish, ereetef in 153s, will acoornmodate aboul I 200 persons: There is a elonpelofeen at IIolytown: and thore are in Bothwell parinh wrent chapold belonging to the Free Chnreh and the United Prosbyterian Ctunch. Extemivo fields of cual exint in the parisho of Both. well; imanstane is alno found in comadderablo gunutitios. There are extentive conl.pite and iron-works, with several quarries of freestone, Which give emplormont to many of the inlabitants. By the Caledousas and other lines of ruilway Bothwell hass communication with Fillabargb, Blaugow, Alerdeen, and Ayr; and also with England. Agricultural purmite are wkilfully and snccensfully followed. The el mate is elubrious, and the soil is fertile. Organic remains of an interonting deceription have beem found in the neighbourhoot. Willem Aiton, nutbor of 'Hortun Kewensis,' was a native of this parish. Joanns Baillia, the ominont poetess, was born in Bothwell Stame, ber father, Dr. Hailli, being minister of tbe parish.
hotilwfill [Vas Derxesib Laxpd.]
BOTTESFORD. [LEDCDOTzEAMRL]
MOTTESFURD. [LINColswhirz]
10T\%EN. [TYRL.]
MoL'ClA15. (SOMD.)
BOC CliESic:lifOSE, a department in France formed out of Bues l'rorenor, in bounded 3. by tho department of Vancluse, from which it io mepanted by tho Durance, E by the departnent of Var, \& by the Moditarnuma, and W. by the lhone, which separates the heportment from thas of Gant. It lies between $43^{\circ} 9^{\prime}$ and $43^{\circ} 50^{\prime}$ Y Las. $6^{\circ} 13^{\circ}$ and $5^{\circ} 40^{\circ} \mathrm{E}$. loug. ; ith greateat length is aloug the conel where it mensures in a atright line 70 mites, bnt following the wimdinge of the coust I80 toiles ; ita greatost breudth from north to coutb io alwot 40 milem. The area is 1985 square miles: the popuLetion in 1651 Wa 429,982, which gives 21012 to the square mile, tidng 11.89 sbove the serngo per equare mile for the whole of Fruser.

Surfoce. Hyrogroply, de. - The department takea its name from the diturtion about the mouthe of the Hhine (l3onches in Ithonc). Tbe sorlbero and eatern diatricts aro hilly, leing covered by the - menma molirities of the Maritime A1 ${ }^{2}$ w, which aubwide with gentle
Y - boto the lecis of the llhone, but send out mouthward several eflew ridgee, which torminato abruptly. A rilge of low naked 2.ho ellas Alpises rusum along the Durance to ite mouth in the Mheor The bill ridgen inelowe numemun amall barins, and from thoas tese plaima of cormideralso extent atrotch with gentlo siope to the mestore. Alowg the shore are sereral lakea, meparated froni the mo is carrow apile of had with one or more npeninge. The shore co rotwend is high and reap.
The river of the lepartmenh excopt thome mentioned oll the be larme, arn suall The Ifuremune rigen in the department of Var, rase throwali a very ferifle velley letrime the Naintolknine ridgo on the ath, and the Fionla Mounthine on tho sorth, and falls into tho sea -r Xarmalle, to mblch city part of ita watern aro cartied by an aquo.

A hixt plaza Leternes sho F.tolle and the Saibto-Vietoire Monncurto enternd ty tho Ara, which riseo near Sl. Maximio in tho deprart-





 river $\bar{J}$-lostow rien from tbe esoe jomit, and fowing weat patt
 of Purre

The eat cod coutb weat of the departasont in ant low, and in nasy plew mandy. At Arle tho Ithose dividen into tro channeln,
forming a delen, which is callewl 110 de In Camargue. One lumach, oalient the fraski fhome, runs to the montheast, aud entern the sea below Tour SL-Louin, where it has cominencul the formation of anothor delea Tour Sh-fouis wan buift ahont 130 years ago at tho wouth of the river; it is now above threo milen from the sea; and the new deftes, consinting of tho two thrys or islands of Bigue and Bericle, have bown formed within that period by tho depowits of the river. Tho (Iraud Rhone contains aumerous inlands which greatly imperle the navigation; but venacls making for Arles euter the Caunl-des-Martiguen, which furms the entrance to the ehur-lake of Berre, and ivinodintely opporito tho lighthonso callod Tourde- Thue pheses into the navignble canal do-llonc whifls rums across the plain of Cran, aull nearly prallel to the river up to Arles. The uther branch of the lthoue in called I'etit-Ithônc, which rman in a very winding channel iuto tho Moditerramean, a little to the west of the ancient villaze of Les-Saintes-Mariox, famous for ita old lattiementod chnreh. This lmmeh of the lhono is but a sanll streana, and vessels making for tho interior from western ports pass out of the 3editurranean into tho Benucaire Camal.

Tho Camargue, which is entirely of alluvial and deltoid formation, and which it is suppowed had no existence in the time of Julius Cosar, coutains niue villages, a grat number of conntry houses, suld is divided into abont 350 farms. Its whole aren is about 130,00 n acres, part of which is cultirnted along tho channels of tho Mhoue, num the greater part of the remainder is covered in winter and spring with rich pastures. The islo is protected from tho inundations of the rivor by great dykes, and it is sheltered from tho sea by hills of saud. The soil in a rieh allurium reating on a bed of sand, which in the lower gromeds of the intcrior of the island is so strongly impregnated with alt an to affict the berbage and in some places prevent its growth. Tho interior of the island contains many reed-marshes, and large lakes, which hare commulication with tho sea; the largest of these is tho shore-lake of Vulcares. All kinds of southern prorluce, corn, fruits, and timber are grown in the island; the vinc, the olive, and the mulberry flourish; madder and wood are growu; and ou its rich pastures vost numbers of sheep, cattle, and small horses are reared. The increase afforded by the flock and herds of the Camargue is stated at 40,000 lnmbs, 3000 calves, and 3000 horses annually. The aheep arc of tho trashumantes or reatiens breed. They winter in tho Canargue, anul are driren in spring into the plains of Crau, where Iambiug takes place; in May they begin to nscend the Alps, whence thoy return to the Camargue about the end of October. The culture of rice way introduced into the Camargue from Lombarly iu 1847 with great auccens. Tho islo abonnds with water-fowl ; locusts often do great damage to the green crops; and in summer tho Camargne as well as the rest of the department is infestal by mosquitoos Thero is 1 lighthouse with a fixod light 128 fect high on the left bank of tho enatern brauch of the lthôac, in $43^{\circ} 20^{\prime} \mathrm{N} . \operatorname{lnt}, 4^{\circ} 10^{\prime} 22^{\prime \prime} \mathrm{IB}$. long.
Between the castern channel of the Rhono and tho shore-lake of Berre, tho Alpines bills, and the sen, lies a vast triangular and arid piain called the Plain of Craus. Its surface is not level; nor is its slope towards tho sea, but towards several points of the cornpass. Its highest part near Istros is 100 fect above thic sea-level; and iu varions directionn from this point the surfaco subsides into hollown, some dry, some filled with water. The ceutral part of its aren consists of $n$ reddish-brown clay covered with shingle ; but there are grassy and woody apots hero and there, and its borders and lowest levela aro cultivated with enceess by a system of irrigation maintaiucd by a branch of the Craponne Canal which traverses the plain. The stoucs nu the deacrt part of the Crau vary from the aizo of a pea to tho bigness of a man's head; under and between these there is some scanty vegetation, on which during the spring large flocks of shecly feed, turning over the stones with their muzzles as they advance. In the cultivated spots, besides common products, the vinc, olive, nulberry, and other fruit-trees flourish.
The repartment contains several extonsive salt-lakes, wbich enm muniente with the sea by natural chauncls or by canals. The largest of these is the shorolako of Berro, which is 12 iniles long and 40 milen in circuit. It in entered by the harbour of Tour-de-lhue, Which luse a lighthouse and soveral strong defeuces. Tho lako contains vast qnantitice of cols and other fish. Thero are sevcral amill inlands inhabited by a few fishermen along the coast; the unost important aro thoso of I'omèguc, Ratoneau, and If, fanous for its strong fortifications and ita prison at the entranco of the port of Mnrseillo. A little sonth-west of these is the Inle of Planier, on which there in a lighthouna.

Communications.-The depnrtment is crossed by several canals, tho inot important of which is the Crmponne Canal, which lias its sume mit level in the Dnranco, nud by its branches commanicates with the shoro-lake of Berre and the Rlione. Tho Alpine or Boisgelin Cunal han ita sumnit level in the Durance also, at Mallernort; it crosses the uorth-wess of the department, and divides into several brauchen, which are dirtinguithed by diferent names from tho districts irrignted by them. The departmeut in truverned ly 5 royal and 15 departmental romals, which give a tulal of about 500 miles of combuon romiway. A railway pawing through Berre and St. Clinmas $171 u s$ is the department from Marseille to Arles. The aquednct destinud to convey a supply of water from the Durance to the city of Maracille
is one of the greatest works of the kind ever undertaken. It leaves the Durance at the north-eastern angle of the department; crosses highways, watercourses, and valleys; pierces three mountain ranges and several offshoots from them by tunnels; and reaches the boundary of the arid basin around Marseille at a height of nearly 500 feet abuve the sea. There are in all is tnmnels, the total length of which is about 15 miles (three of them are each a league in length); and about 500 artificial constructions, including embankments, bridges, aqueducts, and cuttings. The greatest of these rorks is the bridge-aqueduct across the valley of the Arc, within five miles of Ais. This structure consists of three rows of arches, one ahove andther; the piers of the two lower rows are built of cut stone, and measure 48 feet by 20 feet. The lowest row contains 12 arches, the middle 15, and the topmost, which supports the water-channel, 49 arches. Some of the stones uscd in the construction of the lower piers exceed 17 tons in weight. The total length of the aqueduct is 51 miles. The canal is 30 feet wide at top, 10 feet wide at bottom, and 7 feet deep. From the Durance to the cdge of Marseille hasin the fall is 125 feet, and it is said that this fall will admit of the delivery of 11 tons of water per second. This great work, which if nut slready finished, is rapidly approaching completion, besides furniahing Marseille and tho numerous bastides or country houses round it with water, will afford a vast and ever-ready supply of water-pwer for driving machinery; and give means for irrigating a surface of nearly 25,000 acres of land, which for want of water during summer is like a parched desert.

Climale.-In Dcecmher, January, and Fehruary the climate and face of the country are delightful. Frost and snow are rare. During the rest of the jear the heat is very great, cspecially from July to the end of September. Rain seldom falls in summer, and then the scorching heat altemates with a violent cold dry wind called 'mistral,' from the north or north-west, which is very injurious to vegetntion, and so impetnous as frcquently to unroof houses and hlow down trees. Except in the low valleys, the irrigated grounds, or in the neighbourhood of the marshes, regetation in the summer season scems dead, and tho whole surfaco of the ground is covered with dust. In the intervals of the mistral moequitoes appear in countless numbers, and from these there is no respite night or day between the months of May and November. The people sleep under wire or gatze frames to keep off these restless enemies. Scorpions aro not incominon. The climato is generally healthy; but in the corn lands of the arrondissement of Arles there are many deaths among the labourers at harreat time, owing to the proximity of the marshes

Soil and Products.-The surface of the departinent covers $1,270,330$ acres, divided into $1,169,302$ parccle. Of this area 530,000 acrea are arable, 97,534 vinoyards, 157,700 underwoods and forests, and 410,157 acrem are heaths, marshes, and waters. Owing to the hest of the climate, the soil is in most places aricl and parched, and produces nothing without irrigation. Corn is grown in large guantities only in the arrondissement of Arles. In 1846 tho quantity of wine produced in the whole department amounted to $13,750,000$ gallons, about one-lalf of which is used for home consumption, and tho remainder is exported or converterl into brandy. The white wines of Cansis and Ciotat, the red wines of SCon and St.-Louis in the arrondissement of Marseillc, and those of Chatean-Regnard and SaintesMaries in the arrondissement of Arles are tho most estecmed sorts. The number of mulborry-trees for tho production of silk excecrls a million. The olivo is extensively cultivated, and tho oils of this departinent arc the best in lirance. Pomegranates, pistachios, almonds, figs, molons, citrons, capers, \&c. are abundant. The cypresa, ingrtle, tamarisk, rose-laurel, and other odoriferous plants aud herbs flourish. Great numhers of light active horses aro reared; cows and goats are numerous; the uumber of sheep is stated at 700,000 . These last are fed in the department only in the winter; during the rast of the year they pasture on the Alps. The cultivation of tobacco which had heen prohibited was re-introduced in 1852

Manufactures.-The manufacturing industry of the departmont is great. The most important products aro hrandy, moap, vinegar, soda, chemical products, broedeloth, leather, hats, and perfumcs. There are several sugar-refincries, glass-works, tilo and hrick fields, silk, eotton, and tobacco factories, and important salt-works along the cosst and on the several shore lakes. The commorce of the department is very sctive with all tho southern departments, with the Levant, tho coasts of Africs and Spain, and tho West Indics. The cxports consiat of the industrial prolucta named, and dried fruits, cork, and colonial produce. The minerals include conl, iron, lead, marhle, slate, gypsum, chalk, alnhaster, and potterg' clay. At Aix and at Camolna near Maraeille there are mineral springs.
The dopartment is divided into throe arrondissements, which, with their sublivinions and population, are as follows:-


1. In the artondissement of Marseille the chief town is Marseille, which is also the eapital of the department. Aubagne, 10 miles E. from Marseille, is built on the slope and at the foot of a hill on the left bank of the Huveaune. Coarse woollens, china, pottery, brandy, leather, and paper are manufactured. The town has a large magasnerie, or establishment for rearing silk-worms; and there is a good trade in the wines of the neighbourhood and in dried fruits : population, 620S. Cassis, a small well-built town on the coast, has a harbour formed by a jetty. The entrance of the harbour is dangerous in rough weather, but within it is deep: it is defended hy several batteries, and on the left of it thero is a lighthouse with a fixed light 90 feet high, in $43^{\circ} 12^{\prime}$ N. lat., $5^{\circ} 32^{\prime}$ E. long. The town has a population of 2100 , who are employed in the coasting-trade and in shiphuilding. La-Ciotat is situated 20 miles S.E. from Marseille, in a district covered with plantations of the olive, the pomegranate, and the orange, and at the bottom of a bay on the western side of the Gulf of Lecques. The town is well huilt, and has o harhour defended by a castle on the left, and by batteries on the small island of Ile-verte. The harbour, which admits vessels of 300 tons, is formed by a mole on which there are two lighthouses. The coasting-trade in the wines, dried fruits, and white figs of the neighbourhood, ship-huilding, and the manufacture of cotton-yarn, give employment to the population, which amouuts to 5902. Roquevaire, 14 miles E. by N. from Marseille, is on the Huveaune, and has a population of 4143 . The environs of this town furnish the best white and red muscadine wine and grapes of the department. Auriol, an irregularly-built but rather pretty village, 3 miles N. from Roquevaire, has 5103 inhabitants, who manufacture woolleus, soda, bricks, tiles, brandy, paper, and raiso a good deal of silk. Mines of gypsum, coal, alabaster, and red ochre are worked in the vicinity. The town is ancient. Several Romau remains have been found iu it.
2. Iu the arroudissement of Aix tho chief tomn is AIx. Berre is a small well-built walled town on the north shorc of the lake of Berre; it is a station on the Arles-Marseille railroad, and has a harhour and a population of 1926. who carry on a hrisk trade in salt, made in extensive saltworks along the shore, which however reuder the site unwholesome. Gardanne, 7 miles from Aix, has 2609 inhabitants, who are chiefly ongaged in the coal-mines, iu the manufacture of hrandy and tiles, and in the cultivation of melons and beet-root. Istres is on the south shore of the Lako Olivier, which is joined to the Etang de Berre by a canal. The town has a population of 3122 . It is surrounded by old fortifications. St-Chamas, a first-class station on the Arles-Marscille railway, is situated at the north-eastern extrcmity of the shore-lake of Berre, and near the right hank of the Touloubre, which is crossed by a bridge of Roman construetion: it has a population of 2443, who trado in tho produce of tho country. Lambesc, 13 mailes N.W. from Aix, on the road to Avignon, has a population of $358 \%$, who mnnufacture oil, soda, and soap. The town hns nlso estahlishments for reeling silk. Les-Martigues, 25 miles S.W. from Aix, is situated on three islands united by bridges at the extremity of the channel which joins tho harbour of Tour-dc-Bouc to the Berre Lake. It is well huilt, contains a fine church, an hospital, and several good streets, and has a population of 7772 . Its position on islands has obtained for it the uame of 'Provençal Venice.' its port is frequented by small craft from Arles and the coast of Genoa. Tho inhahitants are largely engaged iu the tunny and pilchard fishory. Salon, 20 miles W. from Aix on the road to Arles, is situated in a fertile plain, irrigated by the Caual do Craponne, and has a population of $561 \%$. It is irregularly huilt, but contains some good houses and two very ancient churches. There are oil-mills, soaperies, and estahlishments for hleaching wax and reeling silk. Trets, au ancient town, 11 miles S.E. from Aix, has 3039 inhahitanta, who maufacture branly, tiles, and sugar-of-lead. A coal-mine is worked near Trets.
3. In the arrondissement of Arles the chief town is Arles. ChateavRenard is 17 miles N.E. from Arles, on the left bank of tho Durance. It takes its uame from an old ruined castle on a hill above the town tho population is 4744 . Eyguieres is situated amidst olive-plantations ncar the Craponne Canal, and has 2920 inhahitants. Orgon, 22 miles N.E. from Arles, is built on the slopo of a hill, the summit of which is covered with the ruins of au ancient castlo. Between the hill and tho Durance thero is only room for the high roal and the Boisgelin Canal to pass. The town has 2748 inhahitants, who are chiefly employed in agriculture. St.-Remy, 13 miles N.E. from Arles, stands in a plain covered witl olive-plantations, and has a population of 5930. It is irregularly huilt, hut contains many good houses of an ancient stylc of architecture. Wool, silk, and agricultural produco are the chief articles of trale. There are several Roman remains herc. Tarascon-sur-Rhone (the Romnn Tarasco), 10 miles N. from Arles on the left bank of the Rhône opposite Beaucaire, to which it is joined hy a suspension-hridgo, is a walled town defeuded by towers, and cntcred hy three gates. It is commanded hy an ancient castle, built on a rock ahove the Rhône. Tarnscon is a well-built town. The ancient church of Sainte-Martha, the town-housc, court-house, thestre, the two hospitals, and the barracks, are the most important public buildinge. A tribuual of first instance sits in the town, which has also a college and a puhlic library. Woollens, serges, silks, calico, vernicelli, soap, cordago, starch, brandy, hricks, tiles, and leather are manufactured. Small vessols for tho rivor traffic are huilt. The
ariolo nowal，lencelber mith Fime，oft，mnot，coal，almomul，malder， cevilon modicimal plemea moole tic，form tho lleme of a brink Irnde． The town hes about 10,000 Inhabitania

The arrombenseat of Marweillo forma tbo biabopric of Manwilla The rove of the depertement form tho arclulloome of Aix．The －hat dopartarest bo nader tho jurivilction of tho 11 ish Conrt and C＇efrowty Acaleray of Alx，and belogge co the Dth Military Driblas，of which Narmetle is beel－quarters．
（lidinseair ie is Prewer，1815．）
BuUFAIRICK．（Atatmx）
1W0゙13AINVillit：INLaN1）．［Sew Geomita Archirflacoo．］
WOLCIIITOS，GHYAT，Cheohire，cownalp and the mat of a poonlae t＇eien，in the perich of se Oswald and hundred of Broxton， cee min Ei from Cbweter，nad 152 miles N．W．from London by roul． Bo Charkes and Crewe railway pames through the pariah：the popue． Frios of the townahip tan $1851^{\circ}$ wa 1194．The living of St Uswalis is a reung in che arcbiemoosy and diocen of Chenter．Grrat Honghan Trear IVE T＇aiom coatniss 100 parithes and townhipm，with ase en of 97.100 acrex，asd a propulatiou in 1851 of 26,570 ．Great thonghtion is beoming a mburt to the city of Cbester．It con－ Lutay nome gool rodileocos There is a Nacional achool at Great tountiok

WULILLON：the eapital of the ancient duchy of Bonillon，now forcing the reatern part of the IBelgian province of Lusembourg，is etrened buas the E＇ruch frontier on the lef bank of the river Semoy， and 14 mile from lta junction with the Meume， $\ln 19^{\circ} 48^{\prime} \mathrm{N} . \operatorname{lnh}$ ， $4^{\circ} 30^{\circ}$ Ri loag．：population， 2900 ．The duchy is a hilly diatrict lying ta the mildic of the Anleanea，and botween the former grand duchy of Lax maporurg and Champagoe．
The eown is emall but neatly built The cantle of Bonillon，which wrue formerly thought to be lruprugrable，is built upon a steep rock overlonding the town：it han been rocently ropaired，and is now uned an military priton．The dungeon are hewn out of the molid rock
The cown and duchy of Elouillon wert the hereditary yossessions of Colfry，Che heder of the fimi Crumdo and king of Jerumalenn，which dify be Enok th 1099．To provide fundn for him expedition，Godfrey will the ducby to Albort，binbop of Liege，wubject to the right of radempliou on the giart of the vendor or hin Immodiate heirk．Godfrey toortag dledl in tho liuly land，this male bocamo canso of dingute betwreal hio heire aod the bishop，each party laving recourwo to arms in appoet of their preteaslona．After this potty war liad been nemen af oo may difereat times an to olitain for the duchy the mate of＂the Debatectie Innd，＂it remained for pome time in the peeceabie promios of tbe prince binhop of lieges．The binhop having caken part in the war geainat France，Louis XIV．caunerl the town nad mate of flouillon to be neized lu 1672，and at the congress of
 －vas ukl arbientorn to te appointed for the parpose should have decidel toerween the claime for the duchy net up by the deacendants of tha hoirs of Couffres anil tho IBinhop of Lidge．In the meanwhile Louis tal faretal the fanilly of la Tour d＇Anvergne with the duchy．A deacendent of that boute，Mhilip d＇Anvergue，in captain in tho English sary，aumell in lig2 the titlo of＂Prince de Bonillon，＇which le con－ cuand to texr uatil bis desth In 1810．The long－dinputed territory w eljultred by the comgnee of Vienin in 1815 to the king of the U＇aten s＇ethorlands an duk of Luxembours：In the divimion of thint duchy，comerquent upot the revolution of 1580 ，Bouillon fell to the Alano of Belcium．

MOI＇ILLY．（Acme）
mOCAC（Camo．）
MOE1NOKN［Smixe，Department of．］
FoC＇IAMINYSUR－MERK，moport EWn la the department of HudeCalaio In Frasce，Manda In $80^{\circ} 44^{\prime} \mathrm{N}$ ．lah， $1^{\circ} 35^{\prime}$ F．long．，at tho moath of tha LANo，which falle Into the Finglish Channel and forme tho larbist．It ia $1: 0$ inilm diatant Ni．N．W．from l＇aris by rairuad virouth Aralaas abd Ableville，nad 29 millen from Follk antone an the soat of Keat：the propulation in aniul to exceed 30,000 ，abont eachns of bom aro Biagliah．
lioulogme coospion the pite of the ancimt Cienoriacum，whicls wan ts the iertitert of the Yorial，a tribe of the Belgre．（Mola，iil．2．） It tomas，noler the limanas，tho chief jort of embarkation for Bitivia somo writom have tanlotamel that Julius Cobar embarked Prow Thenriacus for Ihitaia：but I＇Anvlliue Conl other high

 chato It wo as Cocotievoun that tbe tower whe ervcted loy Caligula， －ba manchad to the conat of Oevil In onler io Invile Britain； acd eavedty to Sectopina the expperor Clavilus embarked hero for Chat band The port is Rritain with wlich oommuniestion wor
 the the of Cemotiotios，the mase of Damonla wan rubutliuted for


 that of the upfotern，st the retern anele of mbich a citariel wes buals 1 g che

greatly to ite defencer Filwand VI．reatored Boulogne to France in 1850．The manjarta of the upper town aro atill standing：Elicy are planted with double row of trea，and command a view of the fower town．the men，aut In fine weather of the coast of England． The upler cown is eatervil by threo gatea．The citadel is used is an armonry and berrack，and ils vaulls are convertod into a powder magraine．Boulogue wan lu 1804 the central rendezrons of the amny which Napolcon had amembled for the iurnsion of Fingland．A Dorie column erected on the cliff about a mile from the town was commencod by tho graud ariny，but not completed till nfter the retoration of the Ihnorbon－as crent which it was then male to commemorate In 1811 it was restored to its original purpose，nul aurmounted by a statue of Napoleon 10 feet high．Tho lieight of the columa，which is built of marble，is 164 feet．
Since the peace of 1815 Boulogne has nanch iucrersed in extent and pophlation．It is much resorted to an a bathing place，and many Finglish familit have made it their permanent resideuca．The upher towu is the most ancient part of Bonlogne；it has for the moat part uarrow irregular streetn，but good houses A loousc in tho street leading to the Calais gato in marked with an inscription as the deathplace of Lo Sage，author of＇Gil Blas．＇（The linglish pocts Churchill and Campbell diol in Boulogne．）The lower town，which is connectod with the upper town by a long，wide，and well－built but steep street called the Grande Hue，extends down the slope of the hill to the river．This part is regularly buith．There is alao a large muburb callod Capécure，on the left bank of the Liane．The lower town is larger，more populona，and more conimercinl than the upper town．Tho supply of water is by means of fountainn，of which there are 5 in the upper town，and 12 in the lower．The town is well lighted with gas．There are promenades on the ramparts of the upper town；and there is an open space called the Tintilleries，on the north side of the lower town which is bordered with trees，nud surrounded with new streets and clegsut houses，iubabited very generally by English families．The sands are of considerable exteut， and form an excellont promeasde at low water．
Among the public buildings of the upper town are the town－lıall， which occupies the site of the pralnce of the counts of Baulogne； the Deffroi，an ancient tower 140 feet high，commanding from its aummit a fine view of the town and harbour ；the court－honse；the former cpiscopal palnce，now uscd as a boardiug achool；and the prison．The finest building howerer in the old town is the cathedral of Notre－Dame，whieh was comraenced in 182\％，nud is now com－ pleted．It stands onn the site of the catliedral which was destroyed in the first revolution．In the lower town are－the hotel of the sub－prefect；the church of St－Nicholas；tho building formerly a seminary for the priesthood，aud now occupied by several institutious for the promotion of scicnee；the barracks；the great hospital ；n museum（in tho Grande Inue）which contains collections of natural history and antiquities，pnintinga，caste，and also tho public free library of 25，000 volumes．There are in Bonlogno several churches； threo conrents，the nums of whieh cducute n vast number of young children，who nttend the different achools under their direction several Protestant chapels；an infaut asylum ；$a$ humano society several elemeutary schools under the direction of the Christian Brothers；a free school for uavigation；and several boarding schools． Of places of anumement may be mentioned the thentre，and the splendid bathing establishment which contains inusie，reating，and card－roomm lloulogne is the seat of tribunals of first instance and of commerce．The milway station in situnted on the left bauk of the Liane near Ilace IBellcvue．

Boulogne is a tide harbour．The entrance to it is formed by two piem，of which the western extends 2204 feet iuto tho sea，and the enstern 1640 feet．The depth of water betweeu them is at ligh tides an much an 30 foet．Having passed this chanuel，vensels reach an Inner basin surroundod by quay，which cxtend a gool way up the Linge．Abore the basin a considerable borly of water is kept in tho bed of the Liane by means of sluices for the purpose of clannsing the liarbour．At low water the inner basin is ompty，and reasels ront on tho mand：it has lately been proposed to convert it into a wet dock The entrance to the harbour is defended by forts and bat terion．The trade of the town is considerable．The herriug and mackerel faheries call into omployment a considerable capital，and several renuels are fitted out for the Nowfoundland corl fishery： Coanse woollens，sailclotha，pottery，nots，and tulles are manafactured． Thero are also alinen－yarn factory which contains 3000 apiutles glam－bottlo work，ropowalke，gin distilleries，sugar refinerira，tan－ yarle，tile and brick works．The coastiug trade in active．There is comatant communlcation with London，Dorcr，and Folkestone by stenmers．Boulogne In oue of the principnl ports for the passenger traffic between linglaud and France：the number of prasengers from and to Kingland in 1849 and 1850 amountod to 64,997 ，and 86,415 rempectively．

Several Koman antiquitice including medals and tombs bave becu dincovered at Boulogne On a clifi to the left of the entrance to the port stood Caligula＇s tower．It was an octagon；ench side is said to have been sbout 26 feet at the hase，and it roso to tho loight of 125 feet．It had 12 stages or floom，and the dianeter of the tower appearn to have diminished 3 foet at each stage，so an to form so
many external galleries of a foot and a half in width; going all round the tower. On the top of the tower lights were placed, so that it served as a lighthouse to vessels navigating the channel. The tower was huilt with iron graj-stone, three tiers together, succeeded hy a douhle ticr of a yellow stone of a softer texture, and on this a douhle tier of very hard and red hricks. At the time of its erection it stood nore than a bow-shot from the sea, but the cliff was so much excavated hy the waves, and fell in so far, that the tower was at last undermined and overthrown in the year 1644. It had been repaired by Charlemagne in the early part of the 9 th century; and when the English were in possession of Boulogne they surrounded this tower with a wall and towers, so as to couvert it into a donjon or keep of a fortress. These walls and towers shared the fato of the original Roras work in heing overthrown hy the advance of the sea. The tower was named in the middle ages 'Turris Ordans' (supposed to be a corruption of 'ardens,' hurning) or Ordensis; and the cliff in this direction is still spokeu of as the Tour d'Ordre.
BOULONNAIS, \& district in the former province of Picardie, which now forms the arrondissement of Boulogne, in the department of Pas-de-Calats.
BOURBON, THE ISLE OF, is situated in the Indian Ocean, to the eartward of Madagascar. St.-Denis, the chief town on the island, stands at its north-western extremity, in $20^{\circ} 52^{\prime} \mathrm{S}$. lat., $55^{\circ} 57^{\prime}$ F. long. From Point des Galets near St.-Denis the island, which is in form an irregular oval, extends upwards of 40 miles to Point de la Tahle at the south-eastern extremity.
This island was discovered hy the Portuguese navigator Mascarenhas in 1542, and at that time was not inhahited. It received the name of Mascarenhas or Mascareigne. The Freuch in 1642 sent some criminals from Madagascar to it, and settled a colony in 1649, when they gave it the name of Bourhon, which at the beginning of the French revolution was changed into that of léunion, and afterwards into Bonaparte and Napolcon. In 1815, on the restoration of tho Bonrbons, the ishand resumed its old name of Bourbon. After the revolution of 1848 it agrin reccived the narne of Rénnion.
Prohahly all the island owes its origin to volcanic.agency. The greater part of its surface consists of lava, hasalt, and other volcanic productions, and on the remaiuder traces of such rocks are frequent. The island consists of two systems of volcanic mountains and rocks, and a kind of plain which divides thern. The north-western mountains form the larger system and cover about half the surface of the island. Nearly in their centro rises a huge mass of lava with three inaccessible peaks, called the Salazies, whose absoluto elcvation is estimated hy Bory de St. Vincent at nearly 1500 toises, or 9600 feet. The country surrounding this mass exhihits large tracts of lava or hasaltic rocks of tho most various description, and between them some hasins or vales. Tho hasaltic prisms are frequently disposed in regular columns, hut these as well as tho lava rocks are frequently split hy deep narrow crevices. Thero is hero an excellent mineral spring, the Salazie, at an elevation of 2861 feet. Another spring called the Cilans or Silhaos is at an elevation of 3055 feet. The Preak, is situnted near the centre of the island and forms the crest of a bold rocky ridge dividing the Cilaos from the Salazie ridge of mountains. The rivers are only torreuts, which descend from a great elevation. Sometimes they are nearly dry; at others they carry great volumes of water, which they pour down the steep declivities with incredible impetuosity. Their courge is through extremely narrow gorgea, and in dcep heds. Between St-Denis and the 'hurnt land ' on the windward or north-east side of the island there are fifteen streams, of which the eight named as follows may he regarded an rivers:-The river of the East, the river of Marsoniers, the river of Rocks, the Dumas or Du Mat, the St.-Jean, the Stc.-Suzanne, the river of the Rains, and the river of St-Denis, which flows into the ser at a sloort distance west from the town. On the leeward side of the island are five streams, of which the river Des Galets and the river St.-Stophen are the principal.

The shores of the island are rocky, hut not geucrally very high, except along tho south-west coast between St-Paul and St.-Petre. In a few places a narrow heach separates the rocks from the sea; it is composed of pieces of basalt and hroken lava, which have undergone trituration in the sca, and afterwards been thrown ashore, intermixed with some calcareous pehhles and shells.

The plains which separate the volcanio region in the north-west from that in the southeast district of the island, occupy perhaps one-thirl of the island. The two principal plains which extend acrosn the island, the plains of the Kaffirs and of the Palmists, are divided hy a rampart of volcanic rocks, and are at a considerahle elcvation above the lcvel of the sen. From the south shores the country rises gradually for some milea, and then cxtends in a kind of uneven plain, called the plain of the Kaffirs. Its surface is a succession of small hlains, rising above one another and intersected hy hillocks. At the south extremity this plain is 3600 fcot ahove the sea, hut where it joins the plain of Cilaos towards tho southeast volcanic region, its elevation may ho nearly 5000 feet. To the north of it extends the plain of the Palmists, which rises to about 3000 feet. It ia a perfect level, in the form of a circus, inclosed on all sides, except towards the shores on the north, by a nearly perpendicular
wall of mountains frem 1500 to 2000 feet elevation, which are partly covered with high trees and rich vegetation: ou the plain itself many trees are found, among which the species of palms ahounds, from which it derives its name. The descent to the shore is somewhat longer than on the south declivity of the island. The traveller ascends from the plain of the Kaffirs to the south-east volcanic region hy two other extremely sterile plains, those of Cilaos and of the Sands (aux Sahles).

This volcanic region at the south-east extremity, which prohahly does not occupy more than one-seventh of the island, is called the hurned land (pays hrale), from its soil being entirely composed of recent lava. There are fow places in which signs of vegetation are seen. Nearly in its centre is the present crater of the volcano, which nearly every year chauges its place over an extent of 5 to 6 square miles. This ccutre of volcanic agency is only from 8 to 9 miles from the south-west cxtremity of the island, and the high mountains near it are estimated to have an ahsolute elevation of ahout 8000 feet. In Novernher 1828 the volcano was in a state of activity, and the summit of the mountain was visihle above the horizon from a distance of nearly 100 miles.
A soil so arid as that of Bourhon could not maintain a vigorous vegetation if it were not continually supplied with sufficient moisture hy the regular succession of land and sea-hreezes. The first, hlowing from the high mountains of the interior, are always cool, frequently cold; and in the gorges they hlow with great force. It ceases at ahout 10 o'clock in the morning, and is succeeded hy the sea-hreeze, which hrings with it fogs. These fogs aro afterwards dissipated hy the rays of the sun, and driven agaiu to the sea. This circulation of the vapours produces a great humidity, aud a considerahle quantity of rain falls. But in despite of this humidity, the climate is one of the most pleasant and most healthy to he found. The mean minimum of temperature as ascertained hy ohservations was $72^{\circ}$ in 1818 , and $71^{\circ}$ in 1819 ; the mean maximum in 1818 was $82^{\circ}$, aud the same in 1819. The mean temperature throughout the year in 1818 was $77^{\circ}$; in 1819 it was $76.75^{\circ}$. A considerahle difference is ohserved between the temperature in the sun and in the shade, the differenco amounting to nearly $50^{\circ}$ Fahrenheit. The difference in leugth of the longest aud the shortest day is about two hours and a half, the longest heing 13 hours, 16 minutes, and the shortest 10 hours, 44 minutes. On June 12 th and Decemher 12 th the suu rises at 38 minutes past 6, and sets at 22 minutes past 5 o'clock. Duriug the winter the highest peaks ou the island are covered with snow. Hurricanes which are generally very violent and occasion much damage occur twico or thrice a year.

Except in one or two places the interior of the island is not inhabited, and perhaps not hahitahle on account of the sterility of its soil. The cultivated ground extends only ahout five or six miles from the sea. Among the productions of the island are maize, mandioc, sweet potatoes, ignames, haricots, mangocs, mangosteens, strawherries, grapes, plantains, pine-spples, and custard apples. Vanille and chocolate plants fourish; coffee and cinnamou grow well, although not now much cultivated, the attention of cultivators having heen of late years chiefly directed to the productiou of sugar. Almost every variety of tropical fruits can he grown in perfection. In many parts of the iuterior, particularly at the feet of the higher mountains, are extensive forests of timher-trees. The sugar cultivation is now entirely carried on hy means of Coolies from the Malahar Coast. Of these Indian labourers there are ahout 20,000 on the island. Many of those who were fermerly slaves, and who were emancipated hy the decree of the provisional government of the French Repuhlic in April 1848, have squatted on patches of greund in various parts of the islaud, living on the produce of their small plots, from which they ohtain ofteu a very insufficient amouut of provisions for the support of themselves and families.

There are very few European families on the island. The cutire population was returned in 1841 as 106,682 , of whom 65,993 were then slavcs. We have no recent information of a definite character respecting tho numher of the population. The Governor resides at St.-Denis, where the supreme courts of the islaud are held. The field force of regular troops amounts to about 2000 men, including upwards of 100 gens-d'arme who are employed throughout the island as a mounted police. There is also a considerahle military force. Two great roads are carried round the entire circumference of the island, except where interrupted for a short iuterval hy the rocky character of the coast. One of the roads follows the line of the seahoard; the other is a little inland. There are also many geod roads in the interior, some of which pass along the sides of high hills and cross numerous ravincs and river channels hy hridges generally made of wood, some on the suspension principle, and others of more or less elahorate construction.

As the island does not produce much of importance hesidos sugar, which is raised for exportation, the inhahitants are ohliged to import a considerahle anount of provisions. Beef is hrought from Manritius, mutton and corn from tho Cape of Good Hope, and rice with some gram from India. Wines and general merchandise are brought from France, and horses from the Cape.

The town of St.-Denis has a population of ahout 8000 . It has no harbout, and only an open and dangerous roadstead. There are two
piers as of of emen, which in mocural liy iron clasins, pmeagers Lad int is tomes amealing to the gurr ly a laditer placed for tho pergion a prune which no miglt ho espreitil in ofen attended with Se-pe. TE echer parts of the idhand how orne the nature of the ronst
 The nubletel ot se. Taul io perthaps mither beiter than that nt St. Inota, but thew is so other piece round the falsud whero rotueln mny athien an anchorim. The sown of St-Deale is neatly and regularly thes eat st the fiot and on the ubde of a hill which ancends with a grolenl dope, atronliag facilition for drainage The honnes nre generally eomernetel of mook, with a ahlogle noof. The public buildings loolvede the Covernor'a boune, the I'analn de Juntice, or Suprome Court of the Gled, throe churctoce, the Central College, or Lycie Coloninl, the mifieary lemeke and honpital, and a annall thmetres A lloman Cotbolue buthop ban been latels appointed to the islaud. The village of Sh-Amire fo ittuated on tho rool from Sh.Denis to the Salnzie ugrine The ralley is whleb the Salazie opring in situated contains a popention of about 3000 . The Inland of Bourbon is the only etthmeat whick the French now promens between Africe and Indin
(llory do Sl Vimecos, l'eyage dans les Quadre Joles de la Mer Afrime: Thomen, Fessi de Natindizue de CJole de Beurbon; Rough Atre of o Trip io Rimion, Mamritim, and Ceylon, by Fred. J. Mouat, M.1. (Cileutce 1552)
hovrbos Liarcianabault. [Aliter.]

BOU1HON.VYNDEF [VExder]
HOURHONNE LES BANS [MARAE, HaUte.]
WOURBON: SOIS, a dintriet of Central France, one of the 32 prorinces or milikry governmenta into which, befure the revulution, phatincen or milicury goved. It wan bounded N. by lerri and Nivernois; fi by Burghese ; S.F. by lyonnain ; S. by Auvergue ; S.W. by LaYarcho: and W. by Porri. It greateat longth was 92 miles, and its Enates breedth was 56 mites. 1 l now formn the departinent of Allier, anil tho arrondismeneat of St-Amand in the department of Cher.
Hoolime on the Allier, was the capital. The uther chiof towns were Bouston l'Archnmbaulh, Gannat, and Montluson. [Allier; Cber.] motrRnOURG. [Nosd.]

## BOLRE [BAMBAzEA.]

BOEBG, the name of several places in France, which are distinsubumal frona each other by some surname, and will be found gotiond in the fullowing dopartmenta-Ain; Ardeche; Drome; Gimonde; Ismez; Istre; Loike; Lohyelsféhieury.
hotrobane:fy: [Camere]
12OUROFS, a city of France, formerly capital of the prevince of 1herri, wow of the department of Cher, is situnted at the junction of the Aorom, the lierre, and the Yérotte, which throw their united watem into the Clees. It atande in $45^{\circ} 5^{\prime} \mathrm{N}$. lat., $2^{\circ} 23^{\prime} 43^{\prime \prime}$ E. long., at a dintasce of about 30 miles S. hy E. from Orleans by railrond: Fopabletiva, 82826

This city in buill on tho sito of Araricun, which was the capital of the Rtorigo Cubi Araricum was besieged by Julius Ciesar in the wur aguina Vervingetorix, anil taken by storm after a roost determolped rumintapce on the pert of the inhabitants, who wore all put to the aworl without rofrect to ago or mex. ('Bell. Gall.' vii. $13-38$.) It wanaformards fortified by the loomana, and becamo at an early period of the Cluriatian one the seat of a binhop. Towards the close of the Jomana period it lout tho name of Avaricum, which was taken from the Amar, now lie Yarre, and ansumed thnt of Bituriges, from which the modera mane is derivod. In 175 the town came into the lunds of the Vinitgotha, from whom it peseol to the Franks, is consoguenee of the rietnry of Chorif at Vouille. In the enrly nges of the Prooch momarchy lourgon nufferol much from the ravages of war, hot it wan roparol by Charlemagne, and afterwards by Philijpe Aeroma lo the dieputen of the honmes of Bourgogne and Orleans it murad a hoon niesp directal loy Charlen VI. in perwon. In 1562 it wns meled and gerrioned lyy the lluguenota, who were driven out of it by the rogat trappe on the lint of Sipptember of the anteno yenr.
Boargwo in divined isto ma old and a now towu, the latter oxtending an eviry eide rousal the former, which ntands on a hill. The streeta ane croated; asd the gablo embls of the loounen, which are low and goofal with tila sire the lown a very hornuly anjuct 13 ourgen was formerly rerroundel by ramplarta, which wero defonded by 21 cowers Romod the wown ary mill ntuoding, but the raraparts have been levellad ead ocarerted finto pimmenalos. Within tho circuit of the
 and ghoted with popilare and limen Slany of the etrocta provent onls dad wall us the riow ; Bat within theso aro goxil mandion with courgande nod surrieas. Theme anandioun are lubalited chlefy by
 nember tha pwhope any other proriscial town in France.
Ruwze coneoly bud a university of great repule, whlch wan whpruid at the Nolution, whes the lown sufferel grently from the execere of that prrion. The cathedral of Sh.Fitieune, whleli mopad the rarigo af the rovolution, in one of the noblent gothic elboo to Furope It mendn on the liggheat apot in the eity; ith Fand fromt, which io fanked by swo anmaire lawers, in pieroed by five matiga molpuared repremention of tha lart judguent. The edifice
in 370 feot long and 131 foot wide. The vaulted roof of the nare, whlch in 121 feet high anil 40 feet wide, in rupporterd by columna 35: foot high, and of groat delleacy of workmanahip. The interior is lighted thmugh $\$ 9$ magnificent paintod winduws, some of which aro a ohl as the listh cantury. The cown-hall wns formerly the house of Jacques Cwur, the richent subject of hia time, whone treasnres ennbled Charlen V11. to re-conquer the commery from the liuglishl. Thil odifice in in the richent style of the arohitocture of the 15th century. The arehieplacopal painco in a builling of great mngnitieenco : the garden attached to it in unex an a public promenade. Tho othor romarkable buildings are the charches of Notre-Thmo aud Sis-Immnet, tho prefect's house built on the nite of the old yalaco of the dukes of Rerri, the former ceclesiastical college, now ined for barracke, and the louse of Louis X1., a beantiful structure of the Renaissance ntyle.
Bourges is the seast of an archbinhop whose ses consints of the departments of Cher and ludre, and whoso suffragans are the bishops of Clermont, Limogos, Le-l'uy, Tulle, and SL.-Flour. The archbishop formerly took the title of patriareh and primate of Aquitaine. Thic bishopric of Bourges datos from A.D. 252.
Bourges is the neat of a lligh Court and a University Acadeny. It is aleo the head-quarters of the 19th Military Division which includes the departments of Cher, Nidrre, Allier, and Indre. There are in the town a puhlic library containing 20,000 volumes, au eeclesinstical college, a theatre, several hospitals, a museum of antiquitics, isc. In the neighourhood there is a mineml spring. The ehief inanufactures are hroadcloth, hlankets, cutlery, saltpetre, jewellery and plate, beer, and leather. Of thesc articles, and of corn, hemp wool, skins, and wood, the trade of the town cousists Trihuals of first instance and of commerce are held in the town.
BOURGOGNE (Burgundy), a former prevince of France, was bounded N. hy Clampagne, E. by Francho-Comté, S. by Benujolais, and W. by Bourbonnois and Nivernois. Its length from Lar-sur-Scine to Mirebel, near lyon, was 150 miles, and from Auxomne to Vezelay it measured 80 miles. Before the revolution it formed one of the most important goveruments of France. It whs divided into several territories, of which the principal were-Dijonnais of which Dijon was the capital; the territory of Monfayne, which had Chitillon for its chief towu; Bresse, of which the eapital was Bourg ; the district of Gex, of which Gex was the capital; and the principality of Dombes, the clief town of which was Tréroux. Bourgogne now forms the departments of COTE-p'On, SaOne-et-Loire, Yosie, nud part of thoso of AIn and Acbe. The capital of the province was Dijon. Bourgogae is very fertile, and is particularly famous for its wiues, the best kinds of which are those of Voluay, Meursault, Romanée, ClosVougcot, Clambertin, Nuits, and Pomard.
This country was in ancient times inbabited chiefly by the Edui, a powerful Celtic tribe, whose capital was libracte, tho moderu Autun. In the division of Gallia under Augustus into four provinces it was comprised in Ginllin Lugrlunousis, Farly in the 5th century the Burgundiones, a Vandal horle, established themselves in the country and founded a powerful kingdon, which was from then named Bourgogne. This kingdom did not coincide in extent with the province of Bourgogne, but wna much larger, including also the basin of the lhoonc, and part of that of the Loire, together with Savoy Alout the year 1032 the kingdom of Burgundy, or of Arles, as it wis then called, terminated, having come into the possession of Conrad emperor of Cermany. Somewhat later Burguady wns gorernel by hereditary dukes, the lnst of whom was Charles the liash, who fell at the aiege of Nnacy in 147\%. As bo loft no male issue the duchy which was then nearly co-extensive with the proviuce of Bourgogne roverted to the crowis of France, and has ever siuce helonged to that country: The history of Bourgogue belongs to nnother department of the 'English Cyclopsedin.
BOURGOIN. [1sęnre]
BOURNK, Lincolnshire, a market town and the sent of a Poor-Law Union, in tho parish of Bourne, wapeutako of Aveling nad parts of Reaturen, is nitunted on the road from London to Lincoln, in $62^{\circ} 47^{\prime} \mathrm{N}$, lath, $0^{\circ} 22^{\prime} \mathrm{W}$. long., 35 miles S. by J. from Lincoln, nucl $9 \mathrm{I}_{\text {miles N. by } \mathrm{W} \text {. from London. Spalding station on the Great }}$ Northern milway, which is about 9 miles from Pourne, is 93 miles fran London: the population of the town of Bourne in 1851 was 2789. The living is a ricarnge in the archdeaconry and diocese of Lincoln. Bourne Poor-Law Union contnius 37 prishes and town ahipm, with an arva of 84,062 acren, and a population in 1851 of 22,435.
Hourne hal in Saxon times a castle, which was the sent of a lord Alip of some note. A bourn or brook rises on the western sille of the town, and nitor a circuitous reute joins the Caradyke, which is nnvigable for amall crnft to Market-Deeping and Stanford. The church, fornerly an abboy church, is in the Norman and early English ntyle with two towers: of the towera, the one which is standing is ruinous. There are places of worship for 13aptista, Wesleyan Mlethodista, and Independenta. The endowed Grammar echool, founded by a Mr. Trollope in 1636, has au income from endowment of $30 \%$ a year, and land 14 ncholnrs ln 1852 . There aro Natiounl schools for boya and girla, and a mechanics lilrary. Sourne chiefly consists of four ntreets which diverge from the npacion inarket place. In the
centre of the market place is the town-hall, a substantial building erected in 1522 at a cost of 36001 . The quarter-sessions are held in this building. The streets are lighted with gas. A county court is held in Bourne. The population of Bourne is chiclly agricultural. Therc are breweries, malt-houses, and tanneries in the town. A tessclated pavement and some Roman coins have been dug up in the aeigh bonrhood.

## boussu. [Hainault.

POW ISLAND (HE-OW), the largest of the coral islands in the Dangerous Archipelago, was discovered by Bougainville in 1768, who gave it the name of La Harpe; it was visited in the followiug year by Cook, who gave it the present name. It lies north-west and southeast, is very irregular in shape, and 30 milcs in length, with an average breadth of 5 miles. The form is the same as that of other coral islands, coufining within a low narrow band of coral, about a quarter of a nile widc, a spacious lagoon studded with knolls, and an average depth of about 120 feet between them. The windward (eastern) side is higher than the other, which, with the exception of a few clusters of trees and heaps of sand, is little more than a reef, over which the sea washes into the lake; but there is no passage even for a boat, except in one spot which may be entered by a large ship. This opening lies at the north end of the island, and is only 115 feet broad frum reef to reef, with a coral knoll in the centre. Within the lagoon the anch rage is perfcetly secure; the bottom is generally of a fine white sand. Water may be got by digging through the sand into the coral rock. Wood may also be procured, chicfly of the pemphis acidula, of a dark-red colour, and very hard; there are also cocoa-1ut, palm, and pandanus trees. The lagoousbounds in shell-fish, particularly of the pearl-oyster kind. The inhabitants of the island are an indolent ill-looking race, with broad flat noses, sunk eyes, thick lips, and long bushy hair inatted with dirt and vermin. Their stature is above the middle size, but they are generally crooked; their limbs are long, muscles flaccid, and their only covering is the maro round the waist. They appear to have been cannibals. They still show a partiality for raw food, in which state they devour fish, or turtle which are somotimes found on the shore. (Beechcy, Voyaye to the Pacific and Behriny's Straits.)
BOW, STRATFORD-LE. [Middlesex.]
DOYLE, county of hoscommon, Ireland, in the parish and barony of Boyle, a post-town and the seat of a Poor-Law Union, is situated in $53^{\circ} 57^{\prime} \mathrm{N}$. lat., $8^{\circ} 16^{\prime} \mathrm{W}$. long.; 103 miles W.N.W. from Dublin on the leading road to Sligo. The population in 1851 was 3453 exclusive of 872 persons in the Union workhouse. Boyle PoorLaw Union comprises 33 elcctoral divisons, with an area of 159,650 acres and a population in 1841 of 68,490 , in 1851 of $47,805$.
The town is built on both banks of the Boyle River, a milo above its exprastion into Lough Key, and 10 miles west of its junction with the Shannon at Carrick-on-Shnnon. Three bridges cross the Boyle, which here flows from wert to east between stcep banks nad through a picturesque country. On the right side of the river is the norc modern part of the town, containing the sessions house aituated in a handsome area, of which one side is formed by a crescent, and remarkable for the neatness of many of the houscs. In the older section of the town on the left bank of the river, the picturesque ruins of the Abbey of Boyle, and the manorial residence of the King family, now converted into a barrack, constitute the principal objects. The town is well-built, chiefly of limestone; but red sandstone is employed in the abbey and tho public buildings. Lord Lorton's magnificent seat of Rockingham lies immedintely aljacent on the banks of Lough Key. The town carries on a considerable retail trade in the supply of imported articles to the neighbouring districts of Roscommou and Sligo, aud has a large market for corn and butter. The adjoining country has been much improved. The Irish Annals of Boyle, which have beeu published in Latin and English, commence A.D. 420 and terninate about the period of their compilatiou in A.D. 1245. The abbey is a structure of the latter end of the 12 th century. Its remains are considerable. The nave is 131 feet iu length by 25 feet in brealth, exclusivc of the side aisles which have disappeared. The building was reduced to its present ruined state by the army of the Earl of Tyrone in 1595. Boyle returned two members to tho Irish Parliament; it retains a manor court of small jurisdiction the only reminnt of its former municipal privileges.
BOYNE, a river of Ireland, rises near Carberry, in the barony of Carberry and county of Kildare, whence flowing west not far from Edenderry iu the King's County, it receives the waters of that portion of the bog of Allen lying immediately uorth of the line of the Grand Canal ; thence turning to the north-enst, it receives the Yellow and Silltown rivers out of the bogs extending from Croghan Ifill to Tyrrell's Pass in the county of Wostmenth. Soon after this it enters the county of Meath at Clonard, crosses the Royal Canal, and receives the Deel, a large stream flowing parallel to the Ycllow River from Mullingar in Westmeath. The Boyne having now left the district of the bog of Allen, flows through the rich plains of Meath, receiving the waters of many arnall rivers, till passing Trim, where its banks are crowned with the lofty ruins of numerous abbeys and castles, it sweeps past the base of Tara Ilill in a more northerly direction to Navan, where it mects the Blackwater, descending by a south-enst cousse from the Lake of Virginia on the confnes of Cavan. Tho
united rivers now become navigable at a distance of 25 English miles direct from the sea, and resuming a more easterly course by Slane and Oldbridge, proceed along the south part of the county of Louth to Drogheda, and thence to the Irish Channel, which the Loyne enters after a winding course of about 60 miles from its source. The narigation of the Boyne from Drogheda to Navan was effected by a company in 1770, and is now vested in the Irish Board of Works. The principal articles carried are coals, wheat, flour, and timber. The revenue is small, the tolls in 1850 being 463l. 9 s .9 d . This amount is considerably less than that received in previous years, in consequeuce of the opening of the Drogheda and Navan branch railway, which runs near and almost parallel to the line of watcrcarriage. The rate of toll on the Boyne navigation was in 1850 considerably reduced to accommodate the traffic. The Boyne divides the county of Meath diagonally into two nearly equal parts. Its whole course through this county affords rich landscape scenery, the descent of the river being in general gradual, and the slopiug banks abounding in historical interest. The river has been called the 'Boyne of Science,' from the number of monastic institutions on or not far from its bauks, among which may be enumerated Clouard, Trim, Bective, Donaghmore, Slane, Mellifont, Monasterboyce, and the various religious foundations of Drogheda. The Boyne however derives its chief interest from the important battle fought on its bauks on the 1st of July, 1690, between the English army under William III. and the Irish under James II. An obelisk of grand proportions was erected in commemoration of it in 1736. It immediately faces the ford at Oldbridge, marking the spot where Wilhan received bis wound on the evening before the engagenent. It is 150 feet in height by 20 feet at the base. Oldbridge, although only a ford in 1690 had been the site of a bridge at a very carly date, for its name, which indicates as much, is found in the patent rolls as far back as the reign of Richard II. The Boyue is also rendcred famous in more ancient history by the invasiou of Turgesius the Dane, who sailcd up it with a fleet of Norsemen to the plunder of Meath A.D. 838 . It is a deep and wide river at Drogheda, navigable for vessels of 250 tons, and would be capable of receiving vessels of much greater burden were the bar which now obstructs its entrance partially removed. The total descent of the river is 336 feet.
(Statistical Survey of Meath; Wilde, Beauties of the Boyne and Blachzoater, Dublin, 1849.)
BOZOULS. [Averron.]
BRABANT, DUCHY OF, formerly one of the most important provinces of the Netherlands, was bounded N. by Holland and Gelderlaud, Fi. by Gelderland and Liege, S. by Hainault and Namur, and w. by Flanders and Zealand.

Uuder the successors of Charlemagnc, the dukes of Brabant were possessed of considerable power and influence over the rulers of the other Netherland provinces. Joan, eldest daughter of John III., the last duke of Brabant, bequeathed the duchy to Anthony, sccoud son of Philip the Bold, duke of Burgundy; and by degrees, through intermarriages, inheritance, and purchase, the various Netherland provinces which composed the 'Circle of Burgundy' came under the dominion of the dukes of that name. At the death of Charles the Bold, the last of these dukes, whose daughter Mary was married to Maximilian, the son and successor of Frederick IV., emperor of Germany, Brabant passed under the dominion of the house of Austrin. In 1516 Charles V ., emperor of Germany and grandson of Maximilian, became king of Spain, and his Netherland dominions were united with the crown of Spain.
The religious persecution instituted in the reign of Philip II. against all who would not profess the Roman Catholic religion, caused the inhabitants of the seven northeru provinces to rise in defence of their liberties; and in 1581 thesc provinces were formed into an indcpendeut union uuder the title of 'The United Provinces,' Prince William of Orange being declared Stadtholder. The scveu provinces thus allied stood ancieutly in the following order as regarded their rank:-Gelderland, Holland, Zealand, Utrecht, Fricsland, Overyzsell, and Groningen. To these wero afterwards added, by conqucst and under treatien, Drenthe and the 'Généralito-lands,' so called on account of their belonging to the States General of the United Provinces. In these Géuéralitélands was included the existing province of North Brabant.

The remaining Netherlands provinces, ${ }^{\text {F }}$ including South Brabant, continued united with the crown of Spain until 1706, when after the battle of Ramilies they acknowledged for their sovereign Charles VI., afterwards emperor of Germany, and were theuccforward known as the Austriau Netherlands.
In the progress of these events the Duchy of Brabant was not only divided iu the manner described into separate provinces, but it was also linnited in extent by tho ercction of part of its territory into the province of Antwerp. In the course of the war which broke out in 1793 the whole were united to France. In 1806 the United Provinces were crected into a separate kingdom under Louis Bonaparte, who resigned his crown in 1810, when the tcr itory was re-annexed to France.

At the Congress of Vienna the whole of the seventeen provinces of the Unitod Netherlands, including both North and South lirabant, were erected into a kingdom under the King of Holland; but at the
revolotion of 1 Es0 Routh Prebart Joined the sorolt of the prorinces which had forneorly comelituted tho A untrian Netherlnads, and it has whes farmed part of tho kinglom of lelyium.
 of liolland io boumilel X . by the proviscas of llolland and Gelder. hat, from both of which is fo divilad by the Mans F:. hy llanburg

 Sorth linghat lim latwoea $81^{\circ} 12^{\circ}$ and $31^{\circ} 30^{\circ} \mathrm{S}$. lal, $4^{\circ} 12^{\prime}$ and - or Fi loace Ita ano io $19, i 68$ aprave anllon, and the propulation on the 31 es of inember $165 \%$ wat $403,05 \%$, abore isllun of ihom the Shes an Cachation. The warfice of the pruthice in generully boul, bet ea the north aend west thero it como rising ground; it 5 paliticilly diridad Into throo arrondinemento- 1 binato-l uc, lirela, - Nos Niblbares ; and lato mineteen cantona

The principal rives of North Bralaut aro the Man, whieh formum the surth aod morthematern boundary, and the Dowmel, which han it mure at Ther ia Limburg. entern Sorth Mrabant near the village of Vulkenawner, and Rown north past Hindharea to Boinle.Due, thes which under the name of the liezen it joinn the Mans at Crevecarer. At Roiste the the Dommel io joined by the Aa, which risen to the prorino of Antwery, mbut fuur mile noth nnrth -enat from Turaboat, and eatere Sorth Brabant at the commune of IIoogracide. The Nart of Nerk heo its murce aleo noar Turuboint, and running from whth to porth entern North Brabant near to Mcerlo: it falls inw Hollande Diep opposito the inland of Goeree, having pansod chrowsth the town of lirola. This prorince is also waslied on the what by the ehanoel which joins tho Biant and Weat Schelde, and which mpontes the inlapde of Zealand frow the continent; and on the sarth by the arm of the ren callad Hollnnds-Dicp, and its contupution the Biesboech.
The priscipal towan aro Bots-lio-Duc, Baeda, and Bergen-opQsan: the enoro imprortant of the other towns aro here notieed.
Liedhown, aitualel on the river Dommel, 19 miles S.S.E. from Doi-labug, wai formerly the eapital of the proviuce. It has a srampar nebool and manufactures of cotton, linen, woollenn, and Vather. Ito grais ruarket in conniderable: population, 3000 . Geerinuydehbrg, a wall fortifed Wwn, 9 miles N.N.E. from Breda, on the wouth ajde of the Bienbonch, has a small harbour, salmon fishcries, apd shout 1:00 lumabitants Gmare or Graaf, situsted on the left but of the $\$$ ana, 10 mileo S.E. from Boinlo Due, is a fortified cown, and in comelitered an tho key of Golderlanal, on tho borders of -buch it reapole Itwa Laken by the Duke of Parma in 1586, and mbmithed to lrinco Narrice in 1602 It capitulatem after a stout redrasce to the french in 1 1:94: population about 2500 . Ifelmond, 8 milen F. from kindhoven, on the Aa, in famoun for its manufacture of damek mapkian ; it containa alo manufactorice of woollen, cotton, and lime gonds: poprulution, 2000. ITeuden, a fortified town commavded ley a atrong ciladel, in nituated near the Mans, 8 milen $W$. by N . from Boisele 1 hoe propulation about 2000. Oosterhome, a large inarketenva 6 zallem S. Y. frum lireda, husa ppopulation of 8000 , mannfactıres of tuleo aod pottery, mad a grumuar mhool Tilburg, is milen F.S.E. from Prele and the mme dintunce S.W. froun Boin-le-Due, in a large town with aloout 16,000 inhabitanta, who manufacture woollen cloth extemafrely. It in ailuated on the left bank of the loy, a anall feeder of the Dunomel, atod all mund it aro extenaive hentha 11 illemadad, bailt by William I., prisee of Orange, on the liollande.Diep, 16 milee is. W, from Brock, is alao fortified: it lina a gool harbour and about 1900 Indatriterita
Sorth lirabane, in common with all the Dntch provineer, has its pertiediar stake Amully, the inetolete of whleh are elected by the nobleo, the cuwne, and the soyal munleipalitlon This aseembly neetn ammully; ite funetlona are the regulation of local affirm and the feproition of provinchal laxea

GRABANT, SOUTH, the loetropolitan prorlace of the kiugelon of Iuliriem, in Lonntal N. Ly the prorines of Antwery; Fi. by thnee of BHee and limblers: $\mathcal{M}$ by thomo of Itajnanle and Namur; and W. by fien bleplers 18 lie lotwrean $60^{\circ} s 2^{\prime}$ and $81^{\circ} 3^{\circ}$ N. Int., $3^{\circ} 53^{\circ}$ ant $3^{\circ} 10^{\circ} \mathrm{Fa}$ kme The arme of the provlnce in $1200^{\circ} \cdot \mathrm{i}$ equare millen, coll the popmention on January 1,1845 , was 111,332

The proviner, which in almont unifnrmly lerel, exeept towarda the aoplb, containe ㅇ1,833 acrm, and the grometer pmat of the nurfaco is antivates or growlectire. The foret of Raignim, imit of tho remains of the grest lorest of Ardranes, b contuined within the 1 rovince, and
 Siralins comemesalag about 2 sollen to tho mouth of lrumels and ex ediag to leyoed the rllape of Wistefon, a diatanco nf 81 inilem, Tho labsithen: sre ethiedy Walloons, who pponk a diafect differing from loth the I rasech and ine Merablo, and akio to Ure Slavenle. The protione io alloibel tato tirme arruthmment- Brumole, louraln,
 ios obatemes

The protice is comaertal by camala and liy high ruade with the

 Yaliom Autwry. Uokend, and the Preach aod Prumian froutiere
The pritapal hown an Phetekia, the cipital al the province and of tho filaglen of Itelgium, nod Loerals.

Among the other towns in the arrondiasement of Brussels the following may bo hero ueticel :-Aweche, a small town of 4000 inhabitants, is siluated 8 milea N.W. from Brumeln, on the high road to Ghont is in farnoun for its ewect caken, ouphoniounly called in Flemish 'Suiker Kockjes.' IJal, 12 milem S. by W. from Brussela by the railway to Moun, is situated on the Sente and the Clarleroi Canal, and has about 3000 Inhabitants. It cuntnina $a$ buautiful gothic chureh, dodicatod to Sainto-3lario, and colebratel for its nimeulous image of the Blosend Virgin. The grand altar in thin chureh, constructed of white marble, aurnounted by a gorgeous taberuacle, nud ornamented with bonutiful sculptured ba-reliefs, the whole cruwned by a figure of the pelican, a mediacral symbol of Christ, is said to be unequallod even in Belgium. In the baptistery the font of gorgeous brass is placod undorn sypre, adorued with atatues and groupa in high relief. Tho church was formerly dedicated to Saiut Martin. Lennincl, 9 miles S.W. from Brussele, has a population of 2000 . Vilverde, 6 miles by millway N. by F. from Brussela, in aituated on the road to Malines, and has about $2 i 00$ inhabitants. There is a large penitentiary outside the town and in the vicinity are many pretty country seata, dotted along the brond canal that runs up to Brussels.

In the arrondissernent of Louvain are the followiug towns:Serachot, 9 nilles N.E from Louvain, on the Demer, has a good cornmarket, distilleries, and about 4000 inhabitants. Diest, a walled town a little farther east, also on the Demer, 16 miles E.N.E. from Louvain, has manufactures of woollen eloth and woolien hosiery, beer, and apirits, and abont 8000 inhabitants. A great horse fair is held in Diest. The town wns taken in 1705 by the Duke of Marlborongh. Gra, 11 miles S. from Louvain: population, 2000. Tirlemonf, 12 miles S.l. from Louvain by tho railway to Lidge, is a walled town entered by ancient-looking gates. The Lown is tolerably well built, the priucipal streets abutting on a largo central equare, in which are tho church of Notre-Darne and the town-hall, the best buildiugs iu the town. The ehurch of Sainte Germaine, which is built on a height, dates from the gth century, aud is oue of the oldest churcbes iu Belgium. The mnssive tower which surmounts it was erected in the 12 th century. Outaide the Maestricht gato aro three large sepulehral barrow, sulplosed to be of very remote antiquity. The walla, which are above four miles in circuit, inclose a considerable space not occupied by buildings but as gardens, orchards, and fields; indeed the town was formerly much larger than it now is, Succesaive sieges and sacks daring the Spanish wars iu the low countries, and during the wars that inmediately followed the first Freuch revolution ruined it. Tirlemont was formerly a strong fortress; it was dismantled in 1804. The town stands ou the Geetc, a feeder of the Demer, and has about 9000 inhabitants, who manufncture woollen stuffs, hosicry, spirits, beer, sonp, and paper.
In the arrondissement of Nivelle the chief town, Nivelle, is situated 18 miles S. from Brussels, and has about 8000 inhabitants. The town is well built, and contains a firse church dedicated to St. Gertrule, daughter of l'e pin, who founded an abbey here, tho supcrioreases of which were atyled princeseas, and enjoyed great privileges. Tho chureb contains the slirine of St. Gertrude and two pulpita of benutiful work manship ; under tho lower there is a fino eryit. The smaller tower of the church contains tho chines; the hour is struck by a colosanl figure of au armed knight. The eloistor of the old abbey still remains. Fine linen, lace, woollen stuffs, paper, \&ca, are manufactured at Nivello. Betweeu Quatre-Bras, \& place on the soutb border of the province where four roads meet, and Nivelle, is the extate presentod by the liing of Holland to the Duke of Wellington. Genapye, a fow miles E.s from Nivelle, is a emanll place with about 2000 inlabitanta. Near it the Prussinas captured Napolcen's carringo on the night after tho battle of Whterloo. At Quatre-Brap, 5 miles S.W. from Nivelle, the Duke of Brunswick fell in the eagngement between the Fronch mud the Allies, Juno 16, 1815. H'arre-on-the Dyle, 15 miles S. Fin from Brussels, has 5000 inhinbitants Tobaceo in cultivated in the neighbourhood of thin town, which has peveral brewerien and lanyards, and a good trade in corn and cattle.
The following places may also be montioned:-Terviren or Tervueren, a few milea E. from Brussels, is the site of the nummer prlaco of tbo Irince of Oragge. Jacken, or Laeken, is a beautiful village 3 miles N. from llrusaces: near it is the country palace of tho royal fauily of Ibelginm. Ifaterloo, fnmoun for the defent of the Frenel (June 17-1?, 1815), in a long atraggiug village 10 milea S . from l3rusels, on the outakirta of tho forent of Soigniem. Near it in a vast mound, surmounterl by a colomal lion, in commemorntion of the great victory. Braine-laRevel, a littlo s. of Winterloo, has 3000 inhabitanta, large glawe worke, and woollon manufactures. Tubier, on the railwny to lirusels, N.W. of Nivellea, han alout 3000 inhahitanta, who manufucture beer and woullen stuffe: there are valuable atone quarrios in the noighbourInood.
bracciano, lago di. [Rona, Comalica da.]
BHACKLEY, Northamptonahire, an ancleut borough and markettown, and the meat of a l'oor-Law Union, in tho hundred of King s Sutton, is situatoll in $52^{\circ} 1^{\prime} \mathbf{N}^{\prime}$. lat., $1^{\circ} 10^{\prime} \mathrm{W}$. long., disfant 20 miles S.W. by S. from Northnmpton, 63 miles N.W. ly N. from London by mad, aud 68\} miles by the North-Western and Bletchley Junction milwayn. The livinga are in the archdeacoury of Nurthampton and diocese of Peterborough. The population of tho town in 1851 was
2157. Brackley sent two members to Parliament from the time of Edward VI. till it was disfrauchised by the Reform Act. Brackley Poor-Law Union contains 29 parishes and townships, with an area of 53,762 acres, aud a populatiou in 1851 of 13,747 .

Brackley is a town of considerable antiquity. It early possessed a large trade in wool. In the seventh year of Edward III. it was required to send up three merchant staplers to a council concerning trade held at Westminster. The town is built on a gentle acclivity on the left bank of one of the head streams of the Ouse-here a mere rivulet-over which the road way is carried by a bridge of two arches. The principal street of Brackley is nearly a mile long; the houses are mostly constrncted of unhewn stone. The town-hall is a handsome building erected in 1706 by Scroop, duke of Bridgewater. The parish church is an ancient edifice. St. James's church, which is regarded as an chapel-of-asse, was spoken of in Leland's tive as an old church. There are places of worship in the town for Independents and Wesleyan Methodists. The Free Grammar school was founded about 1447 by William of Weynfleete. There is also an Infant school. The chapel of an ancient hospital founded in the 12 th century by Robert [lossu, earl of Leicester, is still standing, having been repaired about the middle of last century by Mr. John Welchman, who also lcft funds to provide a stipend for a service in the chapel every alternate Sunday. There are almshouses for six poor widows founded in 1663 by Sir Thomas Crewe. A county court is held at Brackley. There is a manufactory of boots and shoes; pillow. lace is extenaively made. The market, of which the first distinct notice is in 121\%, is now held on Wednesday for corn. There are nominally five fairs, but the only one of consequence is that held on St. Andrew's Day.

BRADFIELD, Lerkshire, a village and parish, and the seat of a Poor-Lnw Union, in the hundred of Theale. The village is situated on tho Pang brook, here called Kimberhead, which falls into the Thames at Pangbourn, in $51^{\circ} 27^{\prime} \mathrm{N}$. lat., $1^{\circ} 7^{\prime} \mathrm{W}$. long., 7 miles W. by S. from Reading, 45 miles W. by S. from London: the population of the parish in 1851 was 1216 ; of this number 222 were inmates of the Union workhouse. The living is a rectory in the archdeaconry of Berks and diocese of Oxford. Bradfield Poor-Law Union contains 29 parishes and townships, with an area of 66,635 acres, and a population in 1851 of 16,159 .

The village is pleasantly situated ; the inhabitants are chicfly agrienltural. The church, which has some portions of the Norman and decorated styles, has been rebuilt and enlarged at the expense of the Rev. T. Stevens, the rector and lord of the manor, who has also erected an elegant gothic chapel for the inmates of the Union workhouse, and built and endowed a Free school. St. Andrew's College, founded in 1849, of which the rector of the parish is warden, is under the charge of a sub-warden, head and sccond master, with assistants, and had 36 scholars in 1852. It posseases 3 scholarships of 20l. a year for 5 years for sons of clergymen; and an exhibition of 30L a year for 3 years at Oxford University. There are nome parochial charities. The Primitive Methodists have a place of worship at Bradfield. In the neighbourhood are many excelleut mansions.

BRADFORD, GREAT, Wiltahire, a market-town, borough, and the seat of a l'oor-Law Union, in the parish of Great Bradford and hundred of Bradford, is situated on both banks of the Aron, in $51^{\circ} 20^{\prime}$ N. lat., $2^{\circ} 14^{\prime} \mathrm{W}$. lung., distant 12 miles $W$. from Devizes, 100 miles W. from Loudon by road, and 107 miles by the Great Westorn railway: the population of the town in 1851 was 4240 . The living is a vicarage in the archdeaconry of Wilts and diocese of Salisbury. Bradford Poor-Law Union contains 8 parishes and townships, with an aroa of 19,680 acres, and a poptulation in 1851 of 11,356 .

The name Bradford is a contraction of the Saxon term Bradanford, or tho 'Brosd Ford;' the town having been built on both sides of the river Aron, where was a broad ford. The town was the sito of a monastic institution founded by St. Adhelm, who was himself the abbot until appointed Bishop of Worcester in 705 . Bishop Gibson saya the monastery was destroyed by the Danes. In 954 the celebrated St. Dunstan was elected Bishop of Worcester at a synod held at Bradford. Bradford is mentioned among the towns which recoived from İdward I. the privilcge of sending members to Parliament, a privilego which doem not appear to have been cxcreised more than once.

Bradford is pleasantly situated: the banks of the river below the town abound in beautiful and picturesque scenes, and well-wooded hills rise in some placem boldly from the margin of the river. There are here two bridges over the Avon, both of which are of very old date. The houses in Bradford aro built with stone, but the streets are with few exceptions narrow. The older part of the town is on the right bank of the Avon, a portion of the buildings being arranged in three streeta or terraces on the brow and slope of a hill which rises abrnptly from the side of the river. Tho lower of the terraces is called the New Town. Tho town is lighted with gam.

Tho church, which stands at the foot of the hill, is a large and handsome sdifice, partly Norman and partly of the transition period from early Engliah to decorated; but the greater part is perpendicular. A neat diatrict church in the perpendicular style was erected in 1840, and near it a substantial and commodious school was built, with a house for the master and mistresg. There are in the town places of worship for Independente, Baptists, and other Dissenters; a

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Free school, opened in 1712; National schools for boys and girls; a British school; and an Infant school. Two sets of almshouses, besides sundry small benefactions for the relief of the poor, have long existed in Bradford. In the town and neighbourhood are several interesting remains of ecclesiastical edifices.

The town has for many centuries been noted for its fine broad cloths, which have at all times formed its principal manufacture. A market for corn and cattle is held every alternate Tuesday, and a small weekly market on Saturday for provisions. Bradford possesses a savings bank. A county court is held in the town.

The prosperity of the place is much promoted by the Kennet and Aron Canal which passes by Bradford, and opeus a communication by water with the cities of Bath, Bristol, and London, and with the towns of Trowbridge, Devizes, Hungerford, Reading, \&c. There is a station at Bradford belouging to the Wilts, Somerset, and Weymouth railway, but it is not yet in use. An india-rubber factory has boen established by Mr. Stephen Moulton, which promises to be of advantage to the town
BRADFORD, West Riding of Forkshire, a manufacturing town, partiamentary and municipal borough, and the seat of a Poor-Lav Union, in the parish of Bradford and wapentake of Morley, is situated in a valley, in $53^{\circ} 47^{\prime} \mathrm{N}$. lat., $1^{\circ} 45^{\prime} \mathrm{W}$. long., 34 miles S.W. from York, 196 miles N.N.W. from London by road, and 2193 miles by the North-Western and Lancashire and Yorkshire railways. The population of the parliamentary and municipal boroughs, which are coextensire, was 103,778 in 1851. Bradford returns two members to the Imperial Parliament. The town is governed by 14 aldermen and 42 councillors, one of whom is mayor. The living is a vicarage in the archdeaconry of Craven and diocese of Ripon. Bradford Poor-Law Union, which corresponds in extent and population with the borough, contains an area of 5708 acres.

Bradford is situated on a small brook which falls into the Aire. This town is mentioned in the Domesday Survey. In Saxon times Bradfurd formed part of the extensive parish of Dewsbury; it was afterwards included in the rich barony of Pontefract, which was in the possession of the Laceys. This powerful family had a castle at Bradford. The early history of the town is connected with that of its castle Alice, the last of the Laccys, married the Earl of Jancaster; and Bradford, in common with the other possessions of her family, went to increaso the estates of that duchy. During the civil wars botween the Royalists and Parliamentarians, Bradford, which cspursed the Parhameut cause, held a severo contest with and twice defeated the Royalists. They wero however themselves defcated by the Earl of Newcastle, on Adwalton Moor, with immensc slaughter. After these wars Bradford made hittle progress for a long time, and trade was mnch depressed during the American revolutionary war. In 1812 a spirit of insubordination was diffused through the wide and densely-populated district of which Bradford is the centre, in consequence of the introduction of certsin kinds of machinery; the riot of the 'Luddites' resulted, which ended in the conviction of sixty-six persons and the execution of seventeen. In 1825 occurred a strike for wages, which was protracted during ten montha, at an immense expense to the trades' unions, and at a dreadful sacrifice of comfort on the part of the operatives, who were plunged into a state of poverty from which they were long in recovering. Since that time the history of Bradford has been one of continued prosperity, and it may be regarded now as the most rapidly advancing town in Yorkshire.
The parish church of Bradford, dedicated to St. Peter, was erected in the reign of Henry VI.; the tower is of later date. It is principally of the perpendicular style of architecture, but has no remarkable exterior attraction. Christ church was erected in 1813; its interior is commodious, but externally it is heavy; it was enlarged in 1828 and 1836. Other churches of recent erection in the town or vicinity are :-St. Jude's, erected in 1843 in the town of Bradford; St. Paul's, built in 1847 in Manningham township; St. James's, 183\%, and St. John's, 1839 , both in Horton township, in addition to an older chapel-of-ense in the same towaship; St. Paul's, built in 1841, in Bowling township; Bankfort, 1850, and Shelf, 1851. The number of places of worship belonging to Roman Catholics, Presbyterians, Indcpendents, Baptists, Wesleyan and Primitive Methodists, Unitarians, Quakcrs, \&c., in the whole borough, is about thirty. A neat Presbyterian chapel was built in 1849 .

The academic cstablislment called Airedale College, at Undercliffe, adjacent to Bradford, is for the preparation of young men for the ministry in the Independent churches. This academy has been several times removed sinco its first establishment in 1665. It has been placed in connection with the University of London. Its endowments have been much enlarged by a benevoleut lady of Bradford. The annual revenue from funded property amounts to nearly 500l. a year. It is under the care of three professors, one of whom is president. The number of students in 1851 was 22 . The Baptists have a college at Horton which was established in 1805. Its income in 1848 was about $1200 l$. the number of students was 26 . The Wesleyan Mcthodists liave one of their semiuarics for the education of the sons of ministers at Woodhouse Grove, near Bradford; it was founded iu 1812, and is said to have been found extensivoly useful. Its design is to "supply tho children of ministers with an education suitable to

The mation which their fitbors bold in socioty." The Orammar
 Ily the charter of 16 nss it is oflos the 'Froo (Irmmmar School of Charle II, at Dradfori.' The incume froun oullowment is upwand

 Eatumbeth Ilatingo oshibitione at Qurem: Collega, Uxford. Thero aro in trealford and ite surrounding cownhijo many Siational and Ifixish aebools; aloo Indutrial, Iasaish, and sumervum ulher nehoola.
In 1861 a mer infirmary wa built at a cont of 10,0601 of it in ane arcetuer is the Teder ofyle. The diapeasary, entabliahod in 1820, 放 liberilly oupportad and well smanumel. liruifuerl ban woveral minor charition for the aick and poor. Thare in a mecharics inatitution writh a geod litrary and lecture-rooma An Odd F'ellows litornry inusurion is well aupported, and bas a good library and newe-nooni. These ase itro clute in tho Lown, a Commerrative and a Reform cluh; both tare sewnrooma, abd the former line a guod library.
Itradford contuins mang good streets, and imprured local armagemontan anduall boing introduced. The town is lighled with gas, sod water is supplied under arragmmanto made in acoordance with ets worme of Acts of Parliampent pawed in 1542 and 1515. The markel, a plais but extemive building, wes opened in 1824. The auringe bank of Bredford is extonsively used. The firat Enylish compersuce society we fousded in this town. The present liece Ilall wan for many yearn uned on a courthouee for the meetings of the macintutes ; but a now and ornamental building was finished about 1634 for the purpose of a court-house. The Pieco Hell is like the eloth-balle at Leods-a market for weven woollen goods. The tise light freetone emploged in most of the buildinga of Bradford belpe to give a cheerful and clean anpect to the atreeta The couutry to the sorth abd weet is open and pictureeque, aud is studded with the revillecion of the more opulent merchanks and manufacturera.
The chief manufceture of Iradford and the neighbourhood is of wonted etefife The ppinning of wornted yarn cunployes agreat number of persona, and the ntuffia are woven from the yarn. Woollen yarn for ebe mannufecture of cloths, hroad and narrow, is also spun and woven at Rrudford is comademble quantitien ; but the worsted manufacturo If the riaple employment of the plece, Leeds and its dependencies lelog the more imandiate ecat of the woollen manufacture. The aturis moufnotered in Brealford are chlefly dyed in Leeds, the proprictors of the dy-homana being amoug tho largest purchasera in the fralford martet Many of the woollen and wool inerebants have Lavely left lerela and opeoed warchounce in Bradfori. Several of the harze firmus of Manchoster and Huddomfield have alno recently opened warthoum in thin lourinhing Wwn. The central aituation of Bradforl, with reference to the other clothing towne, has probably been a chiof cause of ita recent and rather rapid advancement.
The irvo trale lian long \&ouriahed in the neighbourhood of Brad. forl; ; itsteed it is muppomed that the Romans worked Iron mines near thin prot Mr. Ilunter, the bistorian of Sheffeld, mentions the "remarkable fact, that in the midst of a unase of scoria, the refuse of mone encieat bloomery near Bradford, wat found a deposit of Romnn coim" Tbere in an abundent sppply of iron-ore and coal, both of excollear quality; and the well-known inou-works at Bowling and Low Noor aro ouly a mhort distance from Bradford. At these foundrion notme of the zome ponderoun works in cast-iron are oxecuted. Vinis numbern of workmen aso otuployed in the different departments of the entubliahmeate-from the ruising of the ore and coal to the varioun marketablo states of the motal. The principal merehants and masulicturem is 13 radford are wool-staplers, wool-combers, worsted--planorn asd manuficturens, worsted-stuff manufncturers, and woollen. eloth manufncturem. Several trades carried on are depondent upon the woollen and woretad trade, among which are the manufacturen for comse, ahutles, asd mechinery. A eeptemial featival is held in liredford in bonour of Biahop Blace, to whom the fareution of woolcomblag in atcritustod.

As a mit of cotemerce Bradford ponsemes many facilities. By the I edo eed Liverpool Canal it has an unimpoded communication rith Hall and the Oermann Ocma, and with Liverpool and the Irinh Sea Hy the Alry aod Caller marigation leeds and the neighbouring towna on coamoctal with (loolo and Hull. The Isoods and Bradfurd rail. way place 18 In conpection with the diatricts $\ln$ the eant and weat; the Ledo and Thirsk nilway glves it an outlot to the north; while the vartove lrascher of tho Wiout Riding Uniou milway connoct it -tich lialifax, Hudilanaeld, Banmiey, and the whole of the Went Ruhime manafecturing towna

HRADISO. [W HEMT, lats or.]
IHEADNINCH, or BRAINFS, Devon, a decayed borough, formerly a rteriowa, it the parish of Braduinch and hundred of Hayridge,
 Exeter, ad 163 milem W.SW. from London by road. IIelo ntatlon on the Hritol and Fixeter railway, which in ahout a milo from Bradmach, io dirtapt from loodon 185 milen. The propulation of the parioh ta 1831 wan 1833. The living is a prerpotual curney in the areblemoory asd disome of Eiseler.

The logal denigmation of the Lorough is Dradrailes, othorwine Brad. Thech. The corportion celatin to tha a corporatlon by proceriptlon. Tin goreraing budy cootitu of thirtow mantern one of whom in
mayor. Bradnineh sent members to one parlinment in the reign of Ealward 11. P'etty and quartor acasions are hold regularly in the wwn. The church, derlicuted to SL Denis, was buile in the time of Ilenry VIl., and is of the lato perpendicular atyle. it has a handmome wroen, ervetod la 1523. There are places of womhip for Bap. tinten and Weoleyan Molhodista ; a National school ; and a parochial iilrary. A now guildhall, a borough jail, and a court houro were built a fow yours ago. Bradnincla has neveral tiznen nuffiered from contla. grations. The firen which have frequently occurred in the towan of Devonohiro bavo been chiolly owing to the use of thately in roufing dwelling-hounes: shata is now vory generally substituted Braduinch has beeu very much improval siuce the lant fire. The town in well supplied with wator. About one half of the propulatiou is cugaged in agriculture. Two paper mills and a small woollen factory in the neighbourbood give omployment to tome of the inhabitantio. Thers ane neveral charitics in the town.

BRAEMAR [ABRRDEESEMRE]
BiAA'GA. [Estile-Douro-e-Misio.]
BRAGANCA. [Tras-os-Moxtes]
BRAHILOW, [lHRALL]
BRAIIMAPU'TRA, one of the largest rivern of Asia, and in many reapects one of the most remarkable on the glube. The farthest branches of this river rise between $28^{\circ}$ and $29^{\circ} \mathrm{N}$. lat,, and hetwenu $97^{\circ}$ and $98^{\circ}$ E. long. Here stands a snow-capped mountnin range, which in the present ntate of our geographical knowledge must be considered the most easterly portion of the Himnlaya range. The Taluka, the most northern of the sources of the Brahmaputra, has its origin in these muutains. At some distauce from its source it joins the Taluding, a river not inforior in size, which descends from the mountains of Namhio ( $28^{\circ}$ N. lat.), a ridge belouging to the Lnngtan chain, which Latter divides the upper branches of the Brahmapitra from those of the Irawaddi. After the junction of the Taluka and Taluding the river continues its course to the south -south-west between high mountaius, and flows impetuously over a rocky bed. After many windings the river issues from the unountains by a narrow pase, called Prabhu Kuthar, in which the river is about 200 feet wide, sud runs with great violence. Near this pasa, on the south banks of the river, is the Brahma-koond (Source of the Brahma), or Deo P'áni, a place of pilgrimage among the Hindoos. It is mercly a good-sized pool, 70 feet long by 30 feet wide, inclosed by high projecting rocks, from which two or three rills descend into the pool. From this place the river has obtained its sacred name of Brahmaputra, the 'offspring of Brahma,' though it is commonly called by the natives Lohit, or Lohitiya (Lauhitiya in Sanscrit, the 'rod river').
After passing the Prabliu Kuthar the Lohit enters the valley of Upper Asam or Sadiyah, where, though couveying a great volume of water, the river is too much filled with stoues to be casily navigable. Near $27^{\circ} 51^{\prime} \mathrm{N}$. lat, and $96^{\circ} 15^{\prime} \mathrm{E}$. loug., the river divides into two branches, of which the north and larger in called the Lohit or Buri Lohit, and the south Suksto: these brauches unite again nbout 10 or 12 miles farther downward. The island thus formed is about 2 miles wide. Between Prablu Kuthár and Sidiyah the river is increased by the confluence of several suall streamas, and of a larger one called the Noa Dihing. Nearly opposite the mouth of the Noa Dilhing the Kundil joins the Lohit. On the banks of this small river stands Sadiyah, the capital of Upper Asam : the Lolit is liere about 1200 feet above the level of the sea. Near Sadiyah the Lohit is joined by the Dihong, which hringe down an immense volume of water; it is supposed that thin Dihong is the same river as that which in Tiber is called Sampoo, or Yara Tzangbotain.
After its junctiou with the Dihong, the Lohit flows in a south-west direction, and form numerous islands, so that hardly in any Ilace does the whole volume of its watcra run in one bed. Here it receives on the south the Buri Dihiug, a considerable river, whose origin is near the bankn of the Noa Dihiug. A fow miles after this junction, the Lohit dividea luto two large branches, the northern of which is called Buri Lobit, and the southorn Buri Dihing. These branchea include the fertilo inland of Majuli, whish extendn from $94^{\circ} 30^{\prime}$ to $93^{\circ} 40^{\prime} \mathrm{E}$. long. about 50 miles in longth, with an average hreadth of 9 miles. Opposite thin inland the Buri Lohit is joined by the Suban Shiri, a river uot inferior in volume of water to any of the tributarics of the 13rahniapatra, oxcept the Dihong. Into the Buri Dihing falls the amall river Dikho, on which the preseut capital of Asam, Jorhath, is situated, and lower down, near the place where both loranches reunite, the Dhuusiri, which rines at a great distance to the south in the territories of the Raje of Moonipore. After the Buri Lohit and the Buri Dihing have reunuted and flowed down for nearly 30 miles in onc channel, divided only at a fow placea by small islands, the Brahmapatra divides aguin at the tows of Bishenath ( $93^{\circ} 15^{\prime} \mathrm{E}$. long.) into two large branches, of which the northeru and larger retains the name of Lohit. and the southern in called Kullung or Kolong. The island inclosed by theno two hranches of the Brahmapatra extends in length upwards of 75 milles, with $s$ width of 20 or 25 vuiles ju the middle. The Kullung branch, after recciving the Dcyong, reunitos with the Lohit a few miles sbove Clowhatty. The Brahmapatra runs here with an uudivided strean, and is hardly 1200 yards wide, which is its smallest breadth after ita junction whth tho Dihong. Ith atream in so exceodingly rapid, that in the raing manon vermels ane obliged to wait for a strong
westerly wind, to enable them to stem the force of the current. Below Goalpara the Brahmapatra enters the plains of Bengal, where it is only about 120 feet above the level of the sea.
The general direction of the Brahmapitra from the western extremity of the island of Kullung to its entry into the plains of Bengal lies due east and west, and it preserves this direction still farther down to the town of Rangamatty. Below Goalpara it receives on the right the Tchin-tchien or Guddada, a considerable river which traverses the eastern portion of Bootan. Near Rangamatty tbe Brahmapitra declines to tbe soutb-west, and shortly afterwards takes a due southern course to $25^{\circ} \mathrm{N}$. lat., where it begins to run to the southeast. Between $26^{\circ}$ and $25^{\circ}$ the first communication with the Ganges commences. A small branch of tbe Brahmspátra running due sonth falls into the Issamutty, a branch of the Teesta, whicb joins tbe Ganges near Jaffiergunge; and another water-course, whicb branches off from the Brahmapitra a little lower down, and is called Lobnee, falls into the ancient bed of the Ganges below Jaffiergunge.
The Brahmapútra continues its soutb-eastern course nearly to $24^{\circ}$ N. lat., where it is joined by the Barak, or river of Silhet, which comos from the mountains of Tiperah. From this point of junction the Brahmapitra runs south $\boldsymbol{r l o u t h}$-west, with large bends until it reaches the neighbourhood of Fringybazar, where its ebannel widens greatly. The Brahmapatra and the Ganges at present have separate emboucbures, thougb they approach so near one another that their beds at some places are hardly two miles apart. Even after they have left the continent their currents are still divided, that of the Ganges running to the west of the island of Shabazpore, while tbe Megna (tbe name whieh the Brahmanatra bears below Fringybazar) sends its waters to the Gulf of Bengal by tbe channel between the islands of Shabazpore and Hattia
The whole course of tbe Brabmapútra, as here described, may be estimated at 860 miles, of whicb 160 miles belong to its upper course east of the mouth of the Dihong, 350 miles to its middle course to Goalpara, and the remainder to its lower course to tbe island of Hattia. The Ganges runs 1350 miles, and therefore exceeds the Brahmapitra by near 500 miles; but the Brabmapútra carries down a much greater volume of water. It was found, in January 1828, that it discharged near Goalpara below the moutb of the Bonash, in one secontl, 146,188 cubic feet of water, while Rennell calculated that the principal branch of the Ganges iu the dry season discharges only 80,000 cubic feet. The length above given is based on the assumption, supported by Julius Klaproth and other eminent geograpbers, that tbe Oreat Tibet river Sampoo cmpties itself into the Irawaddi; but if, as is now more generally belicved, the Sampoo and the Dihong are the same river, and an aflluent of the Brahmapatra, then it will Increase the length of the last-named river by more than 1000 miles: a supposition rendered the more probable by the immense body of water brought down by that river.
(Rennell; Franels Hamilton; Klaproth, Mémoires; Nefville and Wilcox in Asiatic Researches; Ritter, Asien; Maps of Klaproth, Berghans, and Wilcox.)

BRAIDA. [Alba.]
BRAIN-LF-COMPTE. [HATNACLT.]
BRAINTREF, Enex, a market-town and the seat of a Poor-Inw Union, in tho parish of Braintree and hundred of Hinckford, is situated on the high road from London to Norwich, through Bury, in $51^{\circ} 53^{\prime}$ N. lat., $0^{\circ} 33^{\prime}$ E. long., distant 11 miles N. by E. from Chelmsford, 40 miles N.E. from London by rond, and $44 \frac{1}{2}$ milea by the Eastern Counties railway. The population of the town in 1851 was 2836; that of the parish of Bocking, wbich is contiguous to and usually anmociated with Braintree, was 3846 . Braintree is governed by a select ventry of 24 parishlonena, who as early as 1584 were styled governors and town magistrates. Tbe living of Braintree is a vicarage, that of Bocking is a rectory ; both are in the archdeaconry of Colchenter and diocese of Rochester. Braintree Poor-Law Unlon contains 14 parishes and townshipm, with an area of 41,580 acres, and a population in 1851 of 17,576 .
Braintree was constituted a market-town by King John. The growth of the place in to be ascribed to its situation on one of the bigh roads from London into Norfolk and Suffolk, and to the building of inns and lodging-houses for the reception of the numerous pilgrims to the abrines of St. Edmund at Bury, and our lady of Walsingham in Norfolk. At the Reformation this mource of its prosperity failerl; but the town and the adjacent village of Bocking obtained importance by tbe nettlement of the Flemings who fled from the tyranny of the Duke of Alva, and established here the manufacture of baize and other light woollens, which for some time constituted the ataple manufacture of the place, but in now entirely superseded by that of silk.

Bocking church and Church Street are one mile and a half from Braintrec, on the north-eant bank of tbe Pant or Blackwater. The two may be sald to form one town, the main street of which covers two-thirds of the extent between Pod's Brook and the river Pant, and stretches about a mile. The streets are Inconveniently narrow; many of the housee aro of wood, and of considerable antlquity. Braintree church is large, built chiefly of fint, and mostly in the perpendiculnr style; the tower at tho west end, which ls early English, fin surmounted by a lofty shingled splre of much later date. There
are places of worship for Independents, Baptists, and Quakers; twin Endowed schools; and a mechanics institute. The town is partially lighted with gas. The manufacture of silk and crape is carried on to a considerable extent, employing about 1000 persons. There is a brush manufactory, and-some trade is carried on in straw plait. There are several corn-mills on the Pant. The market is on Wednesday for corn, eggs, poultry, cattle, and live stock of all kinds. $\Lambda$ fair is held in October which is much resorted to, and well supplied with cattle. A county court is held in the town. Some coins, sepulcbral urns, and other Roman antiquities have been found in the parish. Braintree has been frequently ravaged by the plague. In the great plague of $1665-6$, wbich continued in Braintree for upwards of twelve months, nearly 700 persons were attacked, of whom it would appear that not one in thirty recovered.

Bocking cburch is a spacious and handsome edifice, cbiefly in the perpendicular style; the tower is lofty and well designed. The houses at Bocking seem of a better cbaracter than those of Braintree. At Bocking is an almahouse or hospital with an endowmeut from the benefactions of sereral individuals.
BRAISNE. [AISNE.]
BRAMBER. [SUSSEE.]
BRAMPTON, Cumberland, a market-town and the seat of a PoorLaw Union, in the parisb of Brampton and ward of Eskdale, is situated in $54^{\circ} 57^{\prime}$ N. lat., $2^{\circ} 44^{\prime} \mathrm{W}$. long., 8 miles E.N.E. from Carlisle, 311 miles N. by W. from London by road, and 316 miles by the Nortb-Western and Newcastle and Carlisle railways: the population of the town of Brampton in 1851 was 3074. The living is a vicarage in the archdenconry and diocese of Carlisle. Brampton PoorLaw Union contains 14 parishes and townships, with an area of 95,520 acres, and a population in 1851 of 11,148 .
Brampton is a very ancient town. The parisb church, erected with part of the matcrials of tbe old church which was dismantled in 1788, is a neat and commodious structure. It was repaired and enlarged, and a tower added, in 1827. Tbe cbancel of the old church atill stands, and in it the bnrial service is read on occasion of interments. The Presbyterian meeting-house was erectod in 1722, and there are cbapels for Independents, and Wesleyan and Primitive Methodists. There are National schools for boys and girls, a Congregational school, and an Infant scbool. The town-hall, a neat building of an octagonal form, was erected by the late Earl of Carlisle in 1817. The town is ligbterl with gas. Tbe principal occupation is the weaving of checks and ginghams for Carlisle manufacturers. The collieries of the Earl of Carlisle afford somo employment. There are several corn-mills near Brampton. The market, beld on Wednesday, is well supplied with corn and provisions.

About two miles south from Brampton is a rock on wbich is a Roman inscription; the supposed date is A.D. 207. At the east end of the town is a lofty natural mount, the summit of which commands an extensive prospect. About two miles to the cast is Lanercost Abbey, founded in 1116. The nave has long been used as tbe parish church. The rest of the edifice is in mins. Naworth Castle, two miles and a half nortb-east from Brampton, the baronial mansion of the lords of Gilsland, now the property of the Earl of Carlisie, had been kept in a state of good preservation till 1844, when three sidcs of tho quadrangle were destroyed by flre : it bas been since restored. in excellent taste. The great baronial hall, which is in the gothic style, 1870 feet long by 24 feet broad.
BRAMPTON. [DERBYSHIRE.]
BRANDENBURG, the metropolitan province of Prussia, derives its name from tbe Mark of Brandenburg, the ancestral dominions of the reigning family; the Mark itself beiug indebted for its own denomination to he ancient town of that name. Its component parts, bowever, are not what they wcre in former days; for the Kurmark and the Alt-mark have bcen incorporated with tbe province of Saxony, and the nortbern parts of the Neumark liave been united with Pomeranir. In exchange for these, severnl minor circles, bailivickn, and other parcels of land, all of them once forming a portion of the districts of Wittemberg, Meissen, Querfurt, \&c., in the kingdom of Saxony, aro now comprised in Brandenburg. The province is bounded N. by Mecklenburg and Pomerania, E. by the provinces of Weat Prussia and Posen, S. by those of Silenia and Saxony aud the Anhalt principalities, and $W$. by the province of Saxony and Hanover. It extends between $51^{\circ} 10^{\prime}$ and $53^{\circ} 37^{\prime} \mathrm{N}$. Int., $11^{\circ} 13^{\prime}$ and $16^{\circ} 12^{\prime}$ E. long. Its area is 15,534 square miles. The population at the end of 1849 was $2,129,022$, of whom about 17,000 are Jews, about double that number Catholics, 14 Mennonites, and 100 Greeks; all the rest. are Protestants of different sects included in the National Evangelical Church of Prussia.

The wbole of Brandenburg is an almost uninterrupted plain, sligbtly olevated above the surface of the Baltic. Its soil is composed of river sand, in some quarters mingled with ferruginous earth, loam, or clay; and hence arises so great a diversity in its character that a general failure of crops is almost unknown, for a season unfavourable to ono part is usually found proportionably beneficial to another. The more elevated and undulating parts of the surfice are in the southern districts, hetween Frankfurt on the Oder and the Silesian frontier. The bills in this direction rise to betwecu 300 and 400 feet in height;

Why form promiereat fenturos in the midat of a wide and warianue Enh, cos loterming llog with nnmorous lake, many of them iyling in doup bollork form hadecapeo of coomberalle variety. Alithough irrusteuburs coowine mueh fortio hand, yet the surfaco in dingeryerd by many ostemive beethe aud moore, whiteh avo a collection of drif - ind, ibe caltiration of which bun lieflel the utmont efortu of Indurtry: The ellimato of limundenberrs is comperta, but excoedingly rarible: the maximnom hat of cutumar magem botween $86^{\circ}$ and $89^{\circ}$ Fnhr. tbe mastimum of eolld in medicatal by $15^{\circ}$ bolow frowing point. Thero
 yer.
Tbo Ezse tratersee the north-wert of Brandenburg from Sanday to Duberite and reetives on jo right bank the Havei, stepnitz, and Elde. The twact of had lower than its murface, which abound in thit quarter, aro proheted from inumdation by dyken. The Mard, wbieb io a channel for the efllux of the Bublits and other small lakee in YeeklenburkSStrelitz, becomes na rigable at Fuirtenberg, bel ow whilch poiot it enters limadenbors; it then Hows southwand to Spandau; and theuco anking a westerly direction through Potsdam and the town of Drandenhurg, it turns to thic north-weet at Plauen, where it is jolned hy the canal or that name, akirts Rathenai and Havelberg, nad fallo into the Elile by twio arma, between Havelort and Quitzöbel. It paned through a low trice of conntry, in wbleh sand, woodlandse, and parturecroumids alternaste: ite wilth at Oranleuhurg is 100 foet, and at Spandan 2000 feet, in consequeuce of passing througb several Likee: : below Brindenburg it narrowz again to 200 feet, and at its month lnerwinas $w 500$ feet A branch of it strikes off at Brandenharg and lowe Into Lake Phenen. The Stepmilz rises on the Mecklonlarg froatier, and flows past Moyenburs and Perleberg until it reaches Wittenberge, wbere it falls into the Elbe. The Elde issucs from Lake Fheven, and forms the boundar-line between Brandenburg and Meeklenburg, until it joins the Eilbe near Dömitz in 3 Hecklenhurg. The primelpal tributary of the Havel is the Spree, which comes down froms the Lomtinn Monntrine, and passes through Beutzen (north of which it enters Brandenburg), Kottbus, and Berlin in its coureo torrats the llevel, loto which it falls at Spendau. The Spree Is 100 foet brood wbere it in joined by the Mühlrose Canal (which connects it witb the Oder), and about 200 feet at Berlin, and it in narigalie from Comenhlath. The Rhin and Dower, which rise on the borders of Meckleabarg, are also tributaries of the Havel, and useful for toating rine and timber. The eant of the province in drained by the Oder, which larees the Silesinn territory and enters the prorince a little south of 7 ullichact, wide north-wertward part Croseen, Frankfurt, and Kutrin ; qnits Prandenburg to the north of Schwedt, above which it turn north by couth, and enters the province of Pomerania. From Kustrin porthward $1 t$ dividen into soveral hranehes, and forns a succesion of thathode Abont twenty miles below Kistriu it separates into swo laree arme of whieh the entern in the moro considerable; thin erme, odied the Sew Oder, rojoins the western arm or Old Oder north of Freienwalde, nod in connecterl by a canal also with the Oid Oder at a point lower down to the couth of 11 ohenstaten, near which eleo an canal runa wetwhat from the Oder to the llavel. Lowlands wocrapy a apseon abore twenty millen in hroalth between these two arma, and nearly the whole line of the Oder lelow Frankfurt in bounded on oach hank by meadows and lowlands whieh are dysed in nt many pointe Tbe lowinnds along the Oder aro occasionally bkirted by high gromad in the neighbourtiood of Frankfurt and Fresienwalde. There are bridgen acrom the Oiler at Cromen, Frinkfurt, Kuintrin, and Frefenwalde. The chief feedern of the Oder in Brundenhurg are- the noser, whleh deecoeding from Silexiin enters Brandeuburg at Naumbanc, and alwa north west to Cromeu, whero it joins the Oder ; its banto are fitt, and the parturagegrounds about it subject to inunda Lioas: the Ni, Nex, whieh aloo desceods from Silecin, entera the 1 nop-
 lowo the Oler sbout fifteen milem went of Cromen ; the lands along its banks ano low mealow sroundn; it in ns vigable from Guben downmarde, and stowt quantlice of fruit aro sent by it to Berlin. The Worlian entern Brablesturas from the proviceo of Posen, where it is 400 foer limod, 1 men landeborg on ith right bank, and, Alows nontbwot through the maniby diatrich of Warthatruch to Kustrin, whero it
 whoto ltan the the proviere, and mothof the lowlands upon its hanks hare lome brought nomler culteracion. Thero aro nereral omaller rivers ta tbo provimoc which are umefol for emminercial or manuffacturing
 the prorloce en imosadiferalit, $m$ to occation the formation of a Luad Dmar the rirete.
The Prason Coal omanetu Prandenhurg and the lasvel with the
 ani knytre mile Tbe Rupprin Canal, which Lleo lotween the Rhto mod llavel, woiteo 1ako Ruppto with the livarol at Oranienhurg; it b ebour tweoty milim loant, wod io very uoful for the conreyance of pis The hivol and Mier are morsocted by the Fizow Cuantl,
 thers iot ibe Yablow or Fruderick Willinm Canal. There ame many
 wher emamubication which oxines betwers the Elibe, the Oder, and
the Viatula : this is effectal hy the liue of the Wartha which falln iuto the Oder, by the lowing of the Netze into the Wartha, and ly the comnection of the Nioteo and V'intula through the Brominberg Cnual. Thero aro a few mineral springs in the proviuce, hut only two of any noto-tbant of Freienwalde and another near Barlin.
The principal productions of the province are corn of all descriptiona, beridea buek-wheat, vegetablea and fruit, hay and clover, de., dinx, bemp, tobacoo, a little bad wine, timber, the commuon domestic animath, game, finb, honey and was, bogiron, coalls, lime, gypsum, poat, and potter's chy.
The inajority of the inlanbitante aro of German dencout ; some aro ako of Wand extraction, and not a few of Frenel. Moat of the French aro nettled iu Berlin ; the Wend colonink, in number about 160,000 , reside in Lunatia, the bailiwicks of Senftenberg numl Fiurntuwalde, and the circle of Kottbus in the Sow Mark ; nid in nome fow parta thero are Herrnhuthera and Mennonites, particularly at Berlin.
It hass been eatimated that the number of acres in Bmandenhurg under cultivation is about $\tau, 000,000$. Potatoes as well as other vegethblen are raised in abuudance, and the quantity of laud employod as garden-ground is said to be 63,000 ncros. More flax is prodluced thau is sufficient for donestic consumpltion, but hemp is of limited cultiration. The crops of fruit are not adequate to supply the demand. The woods and foreats aro estimated to cerer $3,300,000$ acres; the endy emineuces and phiins produce mostly firs and pines, hut thero aro forests of oaks which yield a very superior descriptiou of shiptimber; the largest tracts of woodlaud lie in the districts north of the Wartha and Netze, in the New aud Ueker Marks, and the southern and western diatricts of Brandenburg. Considerable quantities of tar and potashes are manufactured.
Great attention is paid to the rearing of cattle; the most thriving branch is sheep-breeding. The wool produced in the New Mark, tho focks of which constitute about one-third of the whole atock, in con\&idered the fineet in the Prussian dominions. Until or late years the breed of berses was but indiffereut; nuch has however been donie to improve 1t, both by the goveranent and private individuale The total number of sheep in tbe province exceeds two milliens and a half. The greatest number of borned cattle aro bred ou tho reclaimed grounds and in the marches along tbe rivera, hut the breed is indiffereut and small in size. Swine are not reared in any consider able numbers; in 1801 they consistod of 298,189 heads, and in 1821 did not exceed 157,18\%. Mueb boney and wax is producod, particulnrly in the six Lusatian circles, the heatho of which afford ahnndance of fowera for tbe bee. The inland consumption is amply provided with fish, cepecinlly eels and crabe, but nono are cxported; and tho woods and forests abound in garae.
Brandenburg possesses considerahle manufactures. The woollen manufacturee, which are the most importaut, aro establishe-1 in most of the towns in the Old and New Marks and in Bertin. The mannfacture of linens, chiefly of the middiug aud coarser sorts, is oxtensively carried on in tbe Luentinn districts and the cirelc of Frankfurt; that of ailks and cottons is mostly confined to Berlin. Thero aro largo tanneries in moveral quartors, particularly in Kottbus and other towns in the circle of Frankfurt. Tohacco mannfaetories exist in most of the towne Irou and stecl waro and castriron goods are priucipally manufactured at Berlin. [Beras.] Thero are also iron amelting furnaces, and their induatrinl produets aro plate-glass, perceoJaiu, and earthenware; copper foundries, paper mills, gunpowder mills, and clistilleries of spirits from potatoes, giaio, sce.
The trade of Brandenburg is greatly favourod hy the multitude of its unvigable rivers and cauals. The main outlets of this trade aro through Ilamburgh by the Elbe, and through Stettin hy the Oder. Berlin is the great centro of commercial enterprise; and next in importance to it is Frankfurt ou the Oder, the fairs of which are atill of conxiderable mngritude. Brandenhurg, Guben, liavellherg, Kiustriu, Landuberg, I'otadam, I'renzlau, Ratbenau, and Zuillichnu are also places of considerahie trade. The province is traversed by several mailroads which radinte from Berlin, and connect thnt city with Stettiu ; with Frankfurt, Guben, and Brealau; with the small Saxon states with Leipzig and Dreaden; with Potedann, Brandenburg, Magdeburg, llanover, and the Rhine; and with liamburgh

Brandenburg is dividod into two eireles, Potodara aud Frankfurt. It in governed by a cblef prosident, whose nuthority also extends over eccleciantical mattera, all ertablishliments for oducation, the boarif of inedielne, military and civil worke, and the department of milla. Brandenburs formm tho third Military Division of Prussia; the fifll and eixth divinions (forming the 3rd corps) of the l'ruasian army, have their reapective head-quarters at Frankfurt and the city of Brandenburg.
The circle of Poudam corers an area of 8123 squaro milices. The
 a small Lown of 4500 inhablitants, is situnted oul lake Munde, 41 miles N.N. E. Crom Iserlin by the Berlinsitettin railroad, on which it is a station. The town ls the capital of a cirele of the same namen in the goverument of Potminim. Its manufnetures are huts, -oolien mufth, linen, and tobaceo. Charlotemburg, on the Spree, within a mile of lherlin, to whici it is joined hy a fone wido arenuc lighted with lamprs ; it contains a moynl palace and a magnificent park, in which is the mnnuoleum of Queen Loviea, who died iu 1810:
the population is abore 7000. Luckenvalde on the Nuthe, manufactures linen, woollen-stuffs, leather, scythes, arms, heer, spirits, \&c., and has a population of 6300. Prenzlau on the Ucker (which rises ju the Ucker-see and falls into the Stettiner-Haff) has some woollen factories, a good trade in corn, a gymnasium, and a population of 11,000. Rathenau on the Havel, 45 miles W. from Berlin, consists of an old town girt with walls, and a new town. The population amounts to 5500 , and the indnstrial products comprise woollens, cotton, linen, leather, and optical instruments. New-Ruppin on the Rnppin-see, which commnnicates with the Havel and the Elbe hy means of the Rhin and several canals; the town ls well built, contains a gymmasium, several linen factories, breweries, and a population of 10,000. Schwedt on the Oder, has a royal palace, starch, leather, and tobaceo factories, and has a population of 7000. Spandau, at the influx of the Spree into the Havel, is strongly fortified; the citadel is built on an island in the Havel. The town is entered hy nine gates ; it contains four churches, an hospital, honse of correction, and a manufactory of arms: woollens, linens, silks, pottery, heer, spirits, and leather, are the principal mannfactures. The situation of this town on two navigable rivers, and on the railroad from Berlin to Hamburgh, makes it a place of considerable trade: population, 6800. Wittstock, at the junction of the Glinz and the Dosse, has numerous woollen and linen factories, and a population of 6200 . Wrietzen, a walled town, 33 miles E. from Berlin, not far from the Oder, has a population of 6000 , who manufacture hroadcloth, woollen hosiery, tohacco, and leather.

The circle of Frankfurt contains 7406 square miles. The principal town is Fraskfurt. Guben, a walled town on the Neisze, has a lyceum, manufactures of leather, woollen cloths, linen, hosiery, worsted yarn, and several water-mills, copper foundries, aud a market for wool and cattle: population, 9800. K̈nigsbery on the Rörike, a feeder of the Oder, contains a gymnasium, woollcn and starch factories, tanneries, spirit distilleries, and a population of above 5000 . Kottbus on the Spree, has a gymnasium, woollen and linen factories, whito-heer breweries, and a population of 8316 . It is defended hy walls, outside of which are sevcral suburbs. The town contains a royal palace, a college, and an orphan asylum. Kustrin is a strong fortress at the junction of the Wartha with the Oder, which is here crossed by a long wooden lridge. Tho manufactures of this town consist of woollens, hosiery, starch, brandy, and beer; it contains two churches, a gymnasinm, an hospital, a hridewell, and a population of 6500 . The French took Küstrin in 1806. Landsberg, a walled town on the Wartha, which has an orphan-house, a house of correction, wherein the inmates are instructed in the woollen manufactures, several spirit distilleries, paper-mills, tan-yardn, a large com and wool market, and a population of 11,500 . Near this town, in the village of Vietze, are extensive iron-works helonging to the government.

BRA NDINEBURG, town in the Prussian province of Brandenburg, stands in $52^{\circ} 30^{\prime}$ N. lat., $12^{\circ} 32^{\prime}$ E. long., at a distance of 38 miles W. hy S. from Berlin by the railroad from Berlin to Magdeburg, and has a population of 17,000 . It is situated upon the Havel, which divides the old from the new town; an island lics between them, on which stand the castle, cathedral church, and equestrian college. Between thene two quarters of the town lies a swampy district, which, from the houses being built upon piles, is called Vcnice. Each town is surrounded by a wall, but the new town has a rampart in addition. The old town has five gaten, besides a smaller outlet for foot passengers, and the new town four gates: the strects in the old town are narrow and crooked, hut in the new town broad and straight. Brandeahurg contains' eight churches, a court of justice, a gymnasium, and several schools. On the island stands a cathedral of the 14 th ceutury and some other buildings of that date. The manufactures com prise hroadeloth, linen, hosiery, paper, beer, leather, \&c. Boats are built, and there is an active transit trade. Brandenhurg was once the capital of the electorate of Brandenburg.

BRANDENBURG, ELECTORATE OF. The first known inhabitants of this provinco were the Suevi, a very warlike trihe. When the Suevi and the Longobardi invaded Italy in the decline of the Koman power, the Slavonians invaded and settled in Brandenhurg. Tho Slavonians and the Franks subsequently contended for the possession of Brandenburg. In 789 it fell into the power of Charlemagae, under whom and his successors Brandenhnrg was governed by counts under the empire. Many contestas took place between the Slavonians and their Frankish conqucrors. In 1144 Albert, count of Anhalt, became the first margrav eof Biandenhurg. His line lasted till 1320, from which date till 1417 Brandenhnrg was in a state of anarchy. Frederick of Nurnherg was made elector of Brandenburg in 1417; and being a prince of ahility he laid the foundation for the future prosperity of hin rlominion. Most of his successors ruled with judgment. Joachim II. introduced the reformed religion into Brandenburg in 1535 . No interruption of the line took place until 1618 , when the duchy of Prusaia came into the same hands as the electorate of Brandenhurg. From this date the history of the lattcr merges into that of the present kingdom of l'rusia [Pressia.]

BRANDFNBURG, NEW. [Mecklenburo.]
BRANDON, Snffolk, a market-town in the parisli of Brandon and hundred of Lackford, stands on both sides of the Little Ouse, or Brandon River, which here divides the countien of Norfolk and Suffolk, in
$52^{\circ} 26^{\prime}$ N. lat., $0^{\circ} 37^{\prime}$ E. long., 43 miles N.W. by N. from Ipswich, 78 miles N.N.E. from London by road, and 881 miles by the Eastern Counties railway : the population of the town in 1851 was 2022. The living is a rectory in the archdeaconry of Sudbury and diocese of Ely. The church has a Norman porch, and some other aucient portions. The Wesleyan and Primitive Methodists have chapels. The Free Grammar school, founded in 1646, has an income from endowment of 54l. a year, and had 20 scholars in 1852 . There is a National school. The town possesses almshouses and other charities. The making of gun-fints is carried on to a small extent. There is a considerable trade in corn, malt, and timber. Thursday is the market day. Fairs are held on February 14th, June 11th, and November 11th.

## BRANDYWINE RIVER. [PENisylivania.]

BRAUNSBEIRG, in the governmcut of Königsberg, province of East Prussia, is a walled town on the Passarge, about five miles above its mouth in the Frische-Haff, 389 miles hy railway N.E. from Berlin, in $54^{\circ} 19^{\prime} \mathrm{N}$. lat., and $19^{\circ} 54^{\prime}$ E. long., and has about 8500 inhabitants. It is divided by the river into the old and new towns. The Roman Catholic hishop of Ermeland has his residence here: the old castle is used in part for puhlic offices. Braunsberg possesses a college, with faculties of Roman Catholic divinity und philosophy, a Roman Catholic gymnasium and theological seminary, a norinal training-school, four Roman Catholic churches, ono Protestant church and three hospitals. Woollens, linens, and leather are manufactured. The trade of the town consists principally in yarn, ship-timber, and grain. The Passarge is navigable from Braunsherg to its mouth, Braunsberg is the birthplace of Barou Trenck. A little to the west of it is Frauenburg, on the Frische-Haff, at the foot of a hill (the Domberg), on which the cathedral of the diocese of Ermeland and the residences of the members of the diocesan chapter are situated. It is an open town, with a population of 2400 . Coperuicus, who was a memher of the chapter, and who died here in 1545, was buried in the cathedral. There are several memorials of him in the town.
blkava. [Cape Verde Islands.]
BRAY. [BERKSHIRE]

## BRAY. [WICKLow.]

BRAZIL, Empire of, comprehends the eastern portion of South America. Its most northern point, at the sources of the Rio Branco, nearly reaches $5^{\circ} \mathrm{N}$. lat.; and the mouth of the Rio Oayapock, which divides it from French Guyana, extends nearly as far north. Tho most southern boundary-line cuts the Lake of Mirim, in $32^{\circ} 30^{\prime}$ S. lat, The most eastern projection, Cape Augustinho, is in uearly $35^{\circ}$ W. long. Brazil extends west to the river Hyahary or Yavari, where its boundary-line falls in unknown comntries, and probably passes $70^{\circ} \mathrm{W}$. long. Its vast extent hrings it in contact with all the countries of South America, except Chili and Patagonia. At its southern extremity it bordcrs on the republics of Uruguay, Paraguay, and Corrientes, onc of the members of tho Argentine Confederation. It is bounded W. hy Bolivia; N.W. hy Peru and Ecuador; N. hy British Guyana, Dutch Guynna, and French Guyana, or Cayennc. On the N.E. and E. Brazil is bounded hy the Atlantic Ocean.

Area, Surface, dec.-The empire of Brazil extends ahout 2600 miles from north to south, and 2400 miles from enst to west; its surface is variously estimated at from $2,500,000$ to $2,750,000$ square miles, or even more; an area above twelve times as large as that of France. The following table shows the provinces into which it is divided with the area and population of each, according to the latest and most trustworthy estimates; but it must be borne in mind that all the estimates hitherto published are very vague, and difficult to reconcile with each othcr; they must therefore be regarded only as rough approximations:-

| Provinces. | Chice Towns. | Area. | Population. |
| :---: | :---: | :---: | :---: |
| Rio Grande de Sut . | Porto Alcgre | 180,000 | 175,000 |
| Santa Catharina | N. S. de Desterro | 30,000 | 70,000 |
| San Paulo | San Paulo . | 200,000 | 340,000 |
| Rio Janeiro | Rio Janeiro | 50,000 | 700,000 |
| Espirito Santo | Vietoria | 40,000 | 65,000 |
| Bahla. . | Rahia . | 80,000 | 750,000 |
| Seregipo | S. Christovale | 30,000 | 200,000 |
| Alagoan . | Maçelóo. | 10,000 | 200,000 |
| Pernamhueo | Pernambuce | 50,000 | 400,000 |
| Parahyba | Parahyha | 25,000 | 100,000 |
| Rie Grande do Norte | Natal. | 30,000 | 70,000 |
| Ceara. | Fortaleza | 35,000 | 180,000 |
| Plauhy . | Oeyras | 70,000 | 70,000 |
| Maranhāo | Marayhåo | 70,000 | 220,000 |
| Pará | Pará . ${ }^{\text {P }}$ | 250,000 | 150,000 |
| Alto Amazonas | Barra do Mio Negre | 400,000 | 100,000 |
| Matto Grosso - | Cuyaha | 460,000 | 100,000 |
| Goyaz | Goyaz | 320,000 | 100,000 |
| Minas Geraes. | Ouro Preto. | 200,000 | 760,000 |
| Total | - - . - | 2,550,000 | 4,750,000 |

The coast, which is probably little short of 4000 miles, presents various appcarances. From Cape S. Maria in Uruguay to the Morro de S. Marta (about $31^{\circ} \mathrm{S} .1 \mathrm{lat}$. ), an extent of upwards of 300 milcs , the coast is low, Bandy, and intersected by the outlets of numerous

Whea, whick oilest the shores in all this oxtent, In which it trends froen warthemos to nortbeet Al tho Merro do $\mathbb{S}$ Marta, where It rues to the sorth, It begina to te recky, but risen only to any condideralte betaht to the worth of the binnd of S Catherina From the foland of \& Frunomeo is ireaids to the nortlieash, and from the mortomer of Sention to Capo Frrio it rum nearly dne cent; and thence in the liay of Eaplrito Sinto morth eure. In all thin oxtent of nearly 1000 mille the conet is roeky, and is mome parts rather high; it has a sroat number of indeate aious and mone groul harbones, geverally sarvulunded by tats of moderate exteat. The mont meky aud hlghoet part is leriwea sianlon and Cose Pria.

Firm the Rey of Eisplrito Saisto to Buhin do Todow on Santon, nbout 000 mile, the ihorex estend nearly mouth and north, and aro In general fow and lereh eppecially between the mouth of the Rio Doce and the nmall river liuranhen; to the north of the latter it is momewhat Mjgher, tut gonerally leval ; Cownalo Cape S. Antondo it sink. lower. Aloog thio conet, in about $15^{\circ} \mathrm{S}$. Int, at a distance of from 25 to 30 mile, extead the rucky bank of the Abrolbow; the consting veeselu commonly pam lietwoen them and the shoress.
The ecarts of the enatern pimpection of Irazil from Cape S. AnLnaio searly to the mouth of the river Parmahybe abnut 800 niles, are of modernt helghe, rixing hardly anywhere above so feet, but they contuin so barbours, except thone formed by the mouths of the rivera. The rumaleder of the ehore, from the mouth of the Parnahybe to that of the Amanosa, is extremely low and marsliy, a fow eandy hills rising on lo at gremt diotnnoes apart In all thls extent of about io0 mile there are fow harbourn.
To the north of the Rio Amazomas the oonat is rather sandy and pomewhat bigher, though of inconsiderable eleration. Some parts aro oubject to audden rine of the mea at spring tiden, which phemomenon in called poronéce. This coast extends about 400 miles.
The surface of Brazil in divided between upland and lowland, which probably necupy nearly equal portions, the upland extending over the ewtern and central part, and the lowlands principally along loth milles of the Kio Amazona, with a manller portion on the abores, and on tho wouth-west border.

Higth mountaine alrance nearly to the ahores between the Bay of Samten and Cape Frio. This range, the higher summits of which are handly anywhere more than 20 miles from the const, is called siern do Xar (the Sien Rango). The lighest summits rise to abont 3500 feet, and the Inees over this range to from 2000 to 2500 feet. This ragge continven to the eouth, but south of the Bay of Santos it roanden to alout 00 or 80 miles from the const It is here occasion. ally celled Sorra Cubatio, and runs first south-wert and then south, $\omega^{2}$ a mint opposite the Morro de S. Marta, where at the sources of the Rin L'ragray it turne wert, and adrancing in that direction about 200 matles, terminaton on the baskn of the lio Uruguay to the north of the junction of the Ibecuy guagra with it From the south side of thin weut chatin an elovind table-land of modemto height extends nouth betweon the river l'ruguay and the shorea, and continues in ©rognay Oriental, where it terminates near the rast mouth of the Ho do is Ihota, with the Punta Ňegra and Cape do S. Maria 1 few low halle rie upion It. Thin Lable.land may lo considered an the wost souchern aed narroweat prortion of the upland of Brazil.

Another and higher rango of mountains rums nearly parallel to tho Rearn do Mar , at a diatance of about 40 or 00 milms from the sea It Inging to the north-west of the Lown of S . Paulo, whero it is calmi forra de Iaragua, and mirascing thenco to tho north-enst it Lncomen higher, and is called Serra da Mantigueira It afterwards turne north, end enntinues in that direction to tho town of Onro Troto, where it many lo conniderol to termlnato with Mount Jtacolomi, wing divilel from the range extending farther to the north by a dep bot anmow rlepreanion. It containa the highest mountaius of Brasi, which are altusted where lt begins to rin due norlh between the marne of the Ilin Gravila, the principal lmanch of the Parnura, and the llio Preta, a amall cributary of the Parnabyba. The lico dom chriens rine to 8500 feet the Morro do I'apmanio to $i 400$ feet, and evother musertait to 7800 fect The Itacolumi is 6000 feet higli. The premen arroen thla ebaiu rime to upiwants of 3000 feet.
Th sthe sorth of Ouro I'reto the chaln hero celled Serra Easpinhagn acita rions and corutinuen to the north, daclining by degrees some potata to the eat till it reecben the banks of the lio do S. Francesco, whech bret a thmorth the chais, where it forme the entarnct called Conbuito (fall) do Kianto A Gormen. It In of connldernble height is in moeth 1 ver, Lat doen not atthla that of the Serra Mnatigueira ; ith hirber numesis the Itamber, near Clidade do Serro, rinee only to the


 rilly 150 mition frmm the oomat, but fin offime In sorse placen approach It Frithe 20 rama
Norts of the arme calanet of Alromo the mountalna, called here germ Araripe or doo Caytrio rits Ngulo to a oonniderable eloration,



 comilierable of then leternl mogon ano the Berre Eorborfurg, which
separaten the province of R10 Grando do Norto from that of CCard, and the Serm lbiapaba, which constitutos tbo boundary between CSaŕs and Pinulys.
From itn mouth-west corner a mountain range of modernto elevation sums eouth-went along the Rio S. Francesco, and then west to the monreen of the Rio larmalybm, where it turns north, and ruaning in that directiou at a dintance of from 40 to 60 milen from the Rio Tocantins, terminates with a mage of low hills at about 180 milen above the mouth of that river. Betwoen the Sertion Peraambuco and the province of Pinuly the passes rise to between 1200 and 1300 feet above the sen.
To the rest of the mage running north and soutl, and to that of the Serras Eupinbaco, da Mantigueira, and do Cubntio extende the upland of Mrazil far into the interior of South America, but it grows narrower as it rums weath. Its northern boundary is indicated by the falls in tho rivers which carry their waters to the llin Amazonas. These waterfalls occur in the Tocantinn, at about $3^{\circ} 30^{\prime}$ in the Xingt, at about $4^{\circ} 20^{\circ}$ in the Tapnjos south of $5^{\circ}$ S. Iath, aud in the Madeim wouth of $8^{\circ} \mathrm{S}$. lat. : a line drawn thmugh theso points enemates the lowlands of the Rio Ammzonas from tho upland of Bravil. On the wouth it extoads to the Rio Igunssil. This extensivo space is properly a table-land of considerable elcration, but of an uneven surface. The mountain ranges which traverse it rise only to a comparativoly small height abore the plain.
The highest portion of the tablo-Iand seems to lis contiguous to the range of mountains which divides the upper brauches of the Rio S. Frnacesco nad of the afluents of the lio Amazonas from thono which fall into the Parnnf and Paraguny. This extensivo range, which has been named Serm dos Vertentos (the waterahed range), begins about 60 miles south of Villa Rica, at the Scria da Mlantigueira, between the rources of the Paraopeba, an upper branch of the Rio S. Francesco and the Rio Grande, an nfluent of the Parana (about $20^{\circ} 30^{\prime}$ S. lat.). It frequently changes its direction and makem numerons bends, but ruus in general to the north-weat and torminaten at eomo distance from tho confluence of the Mamone and Beni (about 11. S. Iat.). In different districts it has different namen. Between the sources of the Rio Francesco and the Rio Grande it is called Serra Canestra and Serm Marcella, and nt the sources of tho Tocantina Serm dos Pyrineos. These, tho bighest portion of the Serra dos Vortenten, rise to 3500 feet and upwards. The ranges farther to the west are lower. The Scrra Seiada divides the upper brauches of the Araguay, a tributary of the Tocantine, frous those of tho Pardo, a confluent of the Paraus; and tho Serra dos Paricis, the Tapajos from the Paraguay ; nud the north-west branch of the latter tho Tapnjos from the Guapore. Tho latter ranges probably never attain 3000 feet At the place whore the Sorra Paricis turns to the north it sends off a branch called Serra Agoapohy to the mouth-south-west, which, after a course of about 180 miles, terminates in tho plains of Chiquitos in Bolivia
That portion of Brazil which Iying to the south of the Serm dos Vertentes borders on tho weat nif tho Serra Agoapely, and on the east on tho Serra Cubatao, is divided into two portiona by a rango of heights extending between $52^{\circ}$ and $55^{\circ} \mathrm{N}$. long. from the Surm Sciadla sonthward botweent the aflluents of the Paraguay and Parauk. Tho country to the enst of this rango is the high table-land of tho Parand, that to the west the lowland of the Paraguay.
The lowland of tho Paraguay, with the exoeption of the rather mpid deseent of the inclosing mounenins and a fow hills or short maiges iu the interior of tho plain, preacts nearly a level conntry, which declines imperceptibly towards the banks of the river Parn guny, whero it terminates in swampy flats many miles wide. Near the rivers it is coverod with bigh treen, but the intervenisg spacea aro gramey plains of considerable ettent, here and there interruptod by barren trach. This immense plain, which, thuugh situated in the centro of Americn, bardly attains an eleration of 1000 feet, is extremely hot and anbject to long-continued ilroughta, which cauao great mortality among men aud cattle. The rains eomnoonly begin at the end of October, and continue to April or May. They are accompaniod by violent thunder-ntorma, and most abundant raima towards the end of the seamon, whes they cause the rivers lo overflow tho arljncent low-grounds.

The principal river, and that which is the receptacle of all tho Faters collectorl in thin plain, the Parajuay, rines on tho top of the Sorra P'aricis ha tho Sete Lagoas (Seven Lakes), which aro at a short distance apart, and communicato by marrow chanuels. Lssuing from the lant of theno laken the river lown through a swampy country in a nortb direction for a short space, when it winds round by tho west and takes a wouth course. It descends from the rango with a rapid courne, recelving from the cant and weat a groat number of small stream, until it arriven in the plalu, about 150 miles from its sourco: but its courno atill farther down is broken in some placen by low falk, which however censo at itn confluence with the Sipotuba, its firt considerable tributary, which jolns it on the right bank. F'rom thin polnt itn watern aro decp, and narigable for veasels of considerablo slize. Finrther down It receiven ou the right the Jaurd, which likewino rines In the Serra l'aricis, nad at about the ablddle of its courso is jnined by the Agnapely, which orlginates in the Serrn Agoapoly. Opponite the contluence of the Jaura in a rango of olevated land,
which ceases about 25 miles lower down, at a point called Escalvada ( $16^{\circ} 40^{\prime} \mathrm{N}$. lat.), where both margins of the river begin to be flat and low and interspersed with lakes. The low country extends to a great distance on both sides of the river; and of the lakes somo are of considerable extent, especially three called Oberaba, Gahyba, and Mandiore, which lie on the right bank, and are from 10 to 15 miles in diameter. They are separated from the river by rocky eliffs, but united to it by narrow channels which divide the cliffs. In about $21^{\circ} 20^{\prime} \mathrm{S}$. lat. a chain of sunall mountains on both sides come close on the Paraguay, by which its waters are contracted, and flow with great rapidity in two channels, separated by a rocky island of considerable length. This place which is called Fecho dos Morros (the Barricade of Mountains), terminates the awampy and low margin of the river. At the end of the rainy season, when the rains are very abundant, and the Paraguay cannot carry them off by its narrow channels at the Fecho dos Morros, the whole of the low ground is laid under water, and forms a lake called Xarayes, nearly 700 miles in length and from 70 to 150 miles in width, covering a surface about as large as Lake Superior in Canada. In September however the waters are entirely carried off, and the whole surface is again laid dry. A considerable portion of the inundated land is coverel with a kind of wild rice, on which innumerable flocks of water-fowl, especially of geene, feed. During its course through this low phin the Paraguay is joined on the left by two considerable tributaries, the lio de S. Lourenço and the Tacoary. The S. Lourenço, which rises to the east of the upper branches of the Paraguay, is not inferior in length to the principal river, and runs in a south-western direction upwards of 400 miles, raceiving about 100 miles from its mouth the Cujubs, which flows about 300 miles. Both rivers are navigated to a considerable extent. The Tacoary, whose whole course does not probably exceed 800 miles, rises with its numerous branches in the rountains east of the plain; and though its navigation is rendered difficult by numerous waterfalls, it facilitatea the communication of the internal provinces of Brazil. At the Fecho dos Morros the Paraguay leaves Brazil and enters the republic of Paraguay.

The table-land of the Parana, which extends on the east of the lowland of the Paraguay, is everywhere surrounded by mountain ranges. To the west is the chain which divides the affluents of the Parand from those of the Paraguay, to the north the Serra dos Verteutes, to the east the Serra da Mantiguoira and the Serma Cubatao, and to the south a range which (about $26^{\circ} \mathrm{S}$. lat.) detaches itself from the Serra Cubatio and extends west along the Iguassi to the Salto di Vittoria. Only in the comparatively short space betweeu this Salto of the Iguassa aud the Sete Quedas of the Parand the region is open towards the republic of Paraguay, from which it is separated by the Parana.

The table-land of the Parana is very uueven aloug its northeast and north border, where tho offsets of the Serra da Mautigueira, Serra de Canastra, Serra de Marcella, and Serra dos Pyrineos extend many miles ; but the remainder is a plaiu, presenting extensive levels, interrupted at great distances by hills of very gentle ascent and small elevation. The castern and higher portion of the table-land is 2000 feet and upwards above the level of the sea. Trees occur only on the declivities of the mountain ranges and in the lower tracts along the course of the rivers: the foresta cover probably less than ouc-third of the surface. The plains are overgrown by a coarse but nourishing grass, here and there intersected by low bushes and a few small isolated trees. They serve as pasture for the innumerable herds of cattle, horsen, and mules, which constitute the riches of this portion of Braxil. Agriculture is principally limited to the culture of mandioc, maize, and different kinds of beans; rice is grown in some places, and the sugar-cane on the Iowlands along the rivern. Pine-apples, as well as the fruits of Europe and the vine, thrive very well. Among the fruit-trees peculiar to this region is the jabuticaba (Myrtus caulifiora, Mart.), whose fruit gives a palatable wine. In tho south district wheat and flax are grown with success. The variation in the temperature is greater than in those parts which lie near the equator; but neither tho heat nor the cold is ever exceasive. In the winter (frous May to October) hoar-frost is only frequent near the mountains, and never ocours in the plains. The average heat is between $60^{\circ}$ and $70^{\circ}$, and even in the summer it rarely rises above $80^{\circ}$. The rain begins in the eastern districts in October or November and lasts to April ; it is most abundant in January, and then always accompanied by fog during the morning.

These abundant rains which last sometimes for days and even weeks without cersation feed a number of large rivers, which traverse the table-land from east to weat, having most of them their sources in the ranges, which divide it from the shores: they all unite their watcrs with those of the Parand. The farthest branches of that large river sise in the mountainous country, where the Serra da Mantigueira uniter with the Serra de Canastra. The most distant branch it tho lio Grande, which, rising where the Serra da Mantigreirs turns to the north, at first flown north and then north-west for considerable apaca; afterwards it turne to the west and continuoa nome hundred milen in that direction, declining somewhat to the south towards ita junction with the Paruahyba. In this course it rooives on the left bant three considerable tributaries, the Sapucahy,
the Pardo, and the Mogi, each of which descends tbrough the plains from the south, and ruus upwards of 200 miles. At the confluence with the Parnahyba the Rio Grande has already had a course of upwards of 500 miles, and then its name is changed into that of Parana. The Parnahyba rises in the Serra dos Pyrineos, receives in its course the Corumbi, and joius the Rio Grande after a course of upwards of 350 miles. Many miles below this confluence the Parana forms a considerable cataract, called Uruba Punga, and lower down it receives the Tieté, which rises at no great distance from the shores of the Atlantic in the western declivity of the Serra de Cubatāo, nud traversens nearly the middle of the plains. Its navigation is rendered very difficult by uumerous rapids aud waterfalls. Between the Urubu Punga and the Sete Quedas the Paraná receives two other large tributaries, the Pardo on the right, and tbe Parannapamena on the left, both running about 300 miles. In this tract the Parana forms many large islands, of which the largest are the Ilha Comprida (Long Island), upwards of 20 miles in length, and the Itha Grande, which is not much less than 70 miles in length and of considerable width. The Ilha Grande terminates 4 miles above the Sete Quedas (Seven Falls). Below the southeru extremity of the Ilha Grainde the Parana is nearly 4 miles wide, but at the falls the bed of the river is coutracted to about 50 fathoms. The immense volunie of tho river is then divided into seven cbanuels, formed by six small islands of rock, aud precipitated down the ledges with a current of indescribable fury and awful noise. This cataract impedes all communication by water between the table-land and tho countries below it. To the south of the Sete Quedas, the Parand continuing to the south still receives a large tributary, the Iguassu or Iguaça, which rises about 70 miles from the coast, and traversing a mountainous country forms at a short distance from its mouth the great cataract called Salto da Vittoria, and joins the Paraná after a course of nearly 300 miles. After this junction the river still ruus south, then turas to the west, and unites with the Paraguay after a course of above 1000 miles. Its further course is described under Anoestine Conyederation.

To the south of the table-land of the Parand extends a smaller one of a similar description on both sldes of the Upper Uruguay, which is called Campos da Vacaria (Cattlo-Field), being destitute of trees and covered with fine grass, which renders it favourable to the rearing of cattle. The river Uruguay, which rises in the mountains near the coast, traverses it in all its extent, flowing west-north-west and west till it enters the plain of the Missiones.

The southern extremity of Brazil, which extends south-west of the Campos da Vacaria, contains two plains, one lying on the north-wcst along the river Uruguay, and the other on the south-enst, extending for about 200 miles along the sen-shore, with an average width of about 60 miles. They are divided by a high ground of great breadth but of inconsiderable elevation, which is called Serra dos Tappes. The surface of the high ground extends in spacious and nearly level plains, here and there interrupted by small hills. This upper part is entirely without trees and covered only by coarse grass and bushes; but on the declivities and in the valleys formed by the offsets of the high ground many fine trees occur. The valleys are also the only places in which there is any agriculture, and this is nearly coufined to the raising of wheat and maize.
To the north-west of this high gronnd extends along the banks of the Uruguay the plain of the Missiones, which received its name from the seven missions established here by the Jesuits.

The soil of the plain along the sea-shores is sandy towards the coast with a substratum of clay, and produces grass but no trees. Farther inland the soil is better, but the country is still without trees. The most remarkable of the numerous lakes on this coast is the Lagoa los Patos (lake of the Ducks), which extends 150 miles in length from south-west to north-east, and 35 miles at its greatest width, so that it there occupies about half of the plain. It has sufficient depth for vessels of a middling size, but some very dangerous shoals. The water is salt in the southern part. It is the recipient of almost all the currents that traverse the plaiu, and receives about 12 miles from its northern extremity the Iacuhy, $\Omega$ winding river, which rises on the southern extremity of the Campos da Vacaria, and drains a country adapted to agriculture. At the southern extremity the lake of Patos receives the lio de S. Gonçalo, which is properly only the outlet of the lake Mirim. The southern part of the lakes Mirim and Mangueira belongs to Urvovar. The lake of Patos discharges its waters into the sea by the Rio Graude de S. Pedro, which fows about 10 miles almost north and south, and is nearly 3 miles in width. The mouth of this river is full of shoals, which are the more dangerous as they are subject to be frequently changed by the tides.

This part of Brazil, extending between $28^{\circ}$ and $33^{\circ}$, enjoys a temperate climate like that of Spain or Italy; the air is pure and healthy. In the valleys and on the plain frost very rarely oceurs: on the high ground it is annually felt for one or two months; but as very little snow falls, the cattle find pasture all the year round. Irom May to October the rains are abundant.

The low country between tho shores of the Atlantio and the first mountsin range, from the Morro de S. Marta on the south to Cape S. Antonio, near Bahis, on the north, extends in some places 120
 Sinator is other placen the mowntaime approch the ees within is ar so males, as betrese the blay of Santon and Cap Frio. North of the Hto IDoce a level conniry estende upwante of $\$ 0$ miles inland, tat to the of Cope Frio the hills approuch so near the sem that theur low ex exmaity in whathel by the high tiden, and the traveller cam oaly pen at low witer.
fisoept the eoupantirely cmall trsets which havo been cultivated by Saropman eetimes and cheir deacendaate, the sides of the mounhim aod tho hillo and plaimo aro covered by intermimble furesta, extmeding eren in the ralloys slong the bunks of the rirers nearly to thatr monore the high land. North of Cape Frio the trues and pineto poculiar to a thytoal clisato ano common, hut nouth of it they coces leas frequeptly. The coil in in mont pleces of great fertility, and proaluen angur, colfec, cotlon, and eacmo, mandioc, maize, and neo ta abuedaner.

The riven is thin that are rery mumerons, but hare a short coures, dome exceuling 100 miles. They are genenally navigable to from 50 to 60 mises inhand. The Lanks of nearly all of them are skirted by low grouml, which aro bundated after the rain hare begun. Tha rivern bagim to riop in Normber, and the inundation ceasea in the anildle or towands the end of January: in some it lasts two mocthe, in others only a fortaight As the mouthe of these rivers are comonomy formed hy a mof soil thoy aro suljeet to many changen, which ar produced by the rarinhle winds and by the current previling on thls const. The largeat of those river enve the Parnabyba, the Lhoo, and the Rio IBelmonte. The waters hrought down by the Lhae premerve their freshneas for a conniderable dintance into the coena, and bebce it has recoired the name of Doce (soft or freah).

The Itio IRlmonte, in travorwing a mountainous rango called Serra das Aimonw, is contracted by two high steep rocks, and deacende on a nudilen from a beight of mone than 120 feet with tremendous noise lato a whippol: 15 miles lower down it has a little fall, after whieh It fows thoogh a fat and wooded conntry to the sea, deserihing various wioduge, with a curreat rapid and wide, hut of little depth. It couthine mayy tat inlands, and receive no considerable stream mher it demcetuls the fall. About 20 miles from the ses the Kio Helmoate Ls united to the Rio Patype, ita nearest neighbour to the morth, by a maturl channel culled Salaa.

This country though montly within the tropic enjoys a moderate climita In l'orto Seraro the moclium heat, according to Fregreiss, In ooly $70 \|^{\circ}$ E'abreaheit, but at Rio Janoiro $74^{\circ}$, which he attributes Lo the noighbourbood of the llocky Mountaing, At the latter place howover the thermometer occavionally rises to $100^{\circ}, 110^{\circ}$, and eren to $180^{\circ}$. In aumer (Decemler, January, and Fcbruary) the average heat at noon is $86^{\circ}$, and in the morning ${ }^{\circ} 2^{\circ}$; and in the winter (June, July, and A agrut) is in "2 $2^{\circ}$ at noon, and in the mornlng $89^{\circ}$. Another prculiarity is the grest humldity, which arises probably partly from the euuntry beirg almont entirely corered with high trees and exulmant vegelation, and partly from the regular ehange of the land and mes wiule The mow winds commonly begin at noon, rarely sooner, mon frequently at two o'clock, and blow till nightfali. In the other parth of the day the winds from the went prevail. The effect of this great humidity of the atmonphere is that the comet of Brazil has not wach a regular ruoceniom of dry and rainy nemsons as other tropical countries No part of the year in entiraly exempt from rain, though the wiwter is often dry and the sky eloudlem; and the rains in the anmer are gemernlly very sbundant, eapecially in January. In aummer thuoder is very frequent, and always accompanied with violent olomm, which however never canse danage to be compared with that of the burrionsee in the Weot ladion
The Sirse Fioplatiago, whleh bounds on the weat the countrios on the ebore, difides them from the highent phast of the table-land of Trasil. Thin extomive country, whieh estends went to the north trach of tbe Siom Paricia, is an uneven plain, ons whiels numerous Hlle, sometime folsted, sometimen in groups, and sometlmes in rangen, rio to a molerato beight, commonly with a gentle ascent. Alons the walproousmon an depromoions or ralleya, but gonerally of ceanll estetar The plain hee an elevation of upwards of 2000 foet, nad the bille rie above if only a fow hundrod, and perhap never gore than 1000 fett. The nurfuce of the plain, an well as of the hill, Io to mane ploce oovered with mand, and in othera with bare mand. mowe nock, lust it in genemally eletherl with acoreo grme, bushen, sed ataglo mteading trues. The rallege along the watercourwe have a moch mon fertile woll, and here the ligh treen and thick folinge which corer the maritime dimiticto oocur again. Theme valioga are Alagtel to culture and for mimios nearly all tho protucte of the const. The plinim siold only pature for catcle.

This phite is drined lry four riven of considerable extout the Ste Yreseenos, the Tocantine, the Xiagh, end the Tapujow. The Epger branche of the \& Praweese rine on the north declivity of Rhe Parra dow Virtentea about 5000 foot aboro the see, and between $21^{\circ}$ and $20^{\circ} \mathrm{B}$. Le They are principally two-the J'araopolon and that awo properly called the $R$ firmioneo, which unito after a exorn of alore 150 milom in about $19^{\circ} 20^{\circ} \&$. lac. The river then Cowe in a aurly doe north direction to itn junction with the tkio das
 the catarmete of l'irapora The Hio des Vellese rigen in tbe neighbour.
hoorl of Villa Rica, on the worth declivities of the Sism Mantigueirn, and runs upwardn of 250 milen. From this point the Francesco continues to flow nerth with a alight declination to the enst, and its current is much lens rapid. It bas bere nuruerous windings, and is navigable down to Vargem IRedonda, 300 mile below loazeiro whero the savigation is interrupted by several falk, In all this courso it is not joined hy any cunsiderable tributary, and on its banks there extend for abont 250 miles salt steppes, in which the mineral appeare in the ferm of an effloneacence, and is collected by the inluabitarita Not far from this place the river is narrowed by high rocky cliffn on both sides, runs with great rapidity, and forms several falls, of whiels the Cachocirn de Affonso, the most considerable, is said to he 50 feet iu perpendieular beight. The cataracts and rapids occupy a epace of nearly 70 uniles, and terminato at the Aldea do Caninde, whence a road leads to Vargem ledondn for the trmasport of merchaudiae into the interior of Brazil. From the Aldea do Caniude to ita mouth the river rums still about 200 ruiles, and its navigation is not interrupteal, lut the current is mpid. Though a deep river in the interior of the continent, the Rio de S. Fraucesco enters the sea by two comparatively shallow months of uuequal size, of which the north and the langer is nearly two miles wide, but with so littio depth that only vomels of 60 ton burden can cnter it at high water, and must wait for the full tides to go ouk. The inundations are considerable, especially above the falla. They fertilise the couutry, and ary jarticularly farourahle to the cultivation of the sugar-cane.

The Rio Tocantins is divided from the lio de S. Franeesco by a table-land, which towards the upper hranches of the river, aud also towards its confluenco witls the Araguny, is overtopped by groups of hills of considcrable beight. The upper branches of the Tocantins rise in the Montes dos l'yrineos and in the Serra Doirmia, both portion of the Serra dos Vertentes. In the Serra Doirada rises tho Urubú, which is considered as the true source of the river, and after a course of 70 miles joins the Rio das Almas, which is not inferior to it, and deacends from the Montes dos Pyriucos. The river preserves the name of Rio das Almas to its coulluenee with the Maranhino, which joins it 90 miles farther down. The Maranhào rises in Lake Formosa, which is 15 miles in length and 2 miles in width, and flows to the went and then to the north. Hence the united river is called Maranhato to its junctiou with the Paranntinga, abont 140 miles lower down $\left(12^{\circ} 20^{\prime}\right)$. The Paranatiuga is formed hy the junction of two considerable rivers, tho laranam and the Palna, the former of which flown nearly 300 miles. Henco the river is called Tocantins, nud becomen navigable at the Porto Real de Pontal, where it is 374 fathoms wide. The number of its aftuents lower dowa is great, but none of them is very considerable except the Rio Araguny, which joins it at about $B^{\circ}$ S. lat. Before the Tocantins arrives at this point its navigation is interrupted by some cataractas hetween $5^{\circ}$ and $6^{\circ}$, among whieh the most considerable are the Cachoeira de S. Eartolomeo or das tres Barras, and the Cachocira de S. Antonio. After its junction with the Rio Araguay the Tocantins fiows between mocks and cliffs, forming mauy rapids and small cataracta, and this part of its courso is called the channel of Taniri lssuing from this ehannel it has near ltaboca ( $3^{\circ} 30^{\prime}$ ) more considerable cataraets, which rise above one another like terraces, and then the river enters the low country skirting the Amazonas, its whole conrse is in a northern direction: at about $1^{\circ} 30^{\prime} \mathrm{S}$. lat it unites with the south braneh of the lio das Amazonas, and taken the name of Rio da Parr. At the point of junction is an island about 16 miles long, and low and tat, called Uarrahy, whlch divides the mouth of the Tocantins into two arns ; of which the cant is called Mahia de Marapntí, and the west Bahia de Limociro: the width of the river is here upwards of 15 milen The Rio da Pari, whieh divides the island of Marajo or loanes from the continont, widena in its progress to the nertl still more, and may bo above 60 miles where it falls into the sea (ahout $0^{\circ} 20^{\prime} \mathrm{S}$. lat). The whole course of tho Tocantins is at least 1500 miles.

The Araguay, the largent tributary of the Tocantina, rises on the nortli declivity of the Serra Soinda, about $18^{\circ} \mathrm{S}$. Inth, where it is calied Bonito, which name in changed into that of Rio Grande, after it has united with the lkio IBarrefros and lio Cajapo. Ita waters are lower down Inereaned hy thone of the Rio Claro, Rio Vermelho, Kio Tizoirm, and Rio Crixa. All these riven flowing from the south-eant join the Araguny on the righe, and neither of the lant three runs lean than 200 milem. Abont 80 miles from the mouth of the Crixa, the river divides itself in $12^{\circ} 30^{\prime}$ into two branehes nearly equal, which re-unito in $9^{\circ} 36^{\prime}$, incloning the ialaud of S . Anna, perhaps the largest river inland in the worid. It is more than 200 miles in length, and of comiderable wiflth. The west arm preserven the name of Araguay, and the eant takes that of Furo: banges generally go through the latter; hut both contain small falls nnd rapids. Tho lmanch calied Araguay roceires about 10 zilea north of the south point of the inland of S. Anna, the Rio dan Morten, whieh runs nearly 300 miles. At about $B^{\circ}$ the Araguny joims the Tocantlns aftor a course of above 1000 milea.

Tho lio Xingis rises in the Serra dos Verteates nomewhere about $16^{\circ} \mathrm{S}$. lat. Between $5^{\circ}$ and $1^{\circ} \mathrm{S}$. Iat. lta bed Is narrowed and traversed by a chain of rocks, and thus the catarncts are produced which occur In this part of the river. Thene rocks make the river form a hurge bend to the zouth and rat, though in gencral the direction of its
course is to the uorth, with numcrous windings; it joins the Rio Amazonas at Porto de Moz, where it is abrut 4 miles wide.
The $R i=$ Tapajos is formed hy the confluence of two considerable rivers, the luruena and the Rio dos Arinos. The Iuruena rises near the parting of the Serra dos Paricis, and the Serra Agoapehy, near $14^{\circ}$ S. lat. It runs for upwards of 200 miles due north, and then inclines to the east to meet the Rio dos Arinos. The number of its affluents is very great, and at the confluence the Iuruena is the larger river. The Rio dos Arinos rises farther to the east, near the sources of the Paraguay, and runs first northeast and then north to the junction with the Rio Preto, which is the only branch of the river at present navigated. After this junction the Rio dos Arinos flows north-west, nearly to its confluence with the Iuruena, about $90^{\circ}$ S. Iat. Hence the united river is called Tapajos, and flows north-east forming two cataracts, the Cachoeiras de S. Joāo da Barra and do S. Carlos. At the latter the course of the river is changed, and flows lience to the north-north-east. The largest of its cataract, called Salto Grande, occurs at about $7^{\circ} 30^{\circ}$, and is said to be 30 feet in perpendicular height Between $5^{\circ}$ and $6^{\circ}$ is another fall callied Cachooira de Mrauhāo, which likewise interrupts the navigation. The remainder of its course is through the low country along the Rio Amazonas, This river is joined by numerous tributaries, especially from the right. It falls into the Amazonas near Santarem, where it is about 4 miles wide.
On the bauks of the luruena, and west to the north branch of the Serra Puricis, stretches a sandy desert called Campos dos Paricis, the extent of which has not been ascertained. The surface is formed by loug-backed ridges of saudy hills, parailel to one another, and divided by lougitudinal valieys. The soil consists of sand so loose that beasts of burden can hardly proceed; and it is neariy destituto of regetation, except where springs issue from the ground.
Tho table-land of Braxil is separated from the Andes of Bolivia by a large and extensive plain up wards of 1200 feet in height, and trnversed by those streams which by thcir junction form tho Rio Mudeira A amall portion only of this plain belongs to Brazil-the country extending along tho west decivity of the north branch of the Serra Paricis on both banks of the liio Guaporé. A few seattered hills rise on the plain to a moderate elevation, and are separated by extensive level tracts, mostly covered with high forest. trees, and here and there intersected by a few barren districts without trees and with little regetation.
The Rio Giuapore, called also Itenez, rises ( $14^{\circ} 30^{\prime} \mathrm{S}$. lot.) in the Serra dos Paricis, about 100 miles northeesst of Mato Groseo, and at first runs mouth parallel to the Rio Jaurí, a tributary of the Paraguay. It then turns west and receives the waters of the Rio Alegre, a small but navigable tributary. In 1773 an unsuccessful attempt was made to unite this river by a canal with the Rio Agoapiehy, which falls into the Jaurá At the junction with this river the Guapore turns to the north-north-west, and then to the west, where it is joined on the right by the large Rio Paraguay and the still larger Ubahy. At the confluence with the latter it turns north, and uniting itself to the Mamoré loses ite mame. The Guapoŕ runs more than 400 miles, and having only a few rapids and no catarncts is a navigable river.
The Rio Madeira is formed by the junction of the Rio Beni with the Marmoré (in $10^{\circ} 22^{\prime}$ S. lat.), which takes place about 100 miles below the confluence of the Mamoré with the Guaporé (in $11^{\circ} 55^{\prime}$ S. lat). [Bolivi.] The Madeira runs in a north-eass direction, with numerous windings, and falls into the Amazonas in $3^{\circ} 24^{\prime} \mathrm{S}$. lat, about 70 miles below Villa de Borba, after a course of upwards of 600 miles. After the junction of the Mamoŕ and Beni, it is 900 fathoms wide, and in its course in general preserves this width, with a considerable depth; its course however is interrupted by numerous cataracts. Below the union of the two principal rivers thirteen cataracts or rapids occur; and above it, in the Mamoré, five. They begin in $10^{\circ} 37^{\prime}$ with the Cachoeira da Bananeira, and terminate at $8^{\circ}{ }^{\circ} 48^{\prime}$, with the Cachoeira de S. Antonio.
The north part of Brazil comprehends the grenter portion of the plain of the Rio das Amazonas, oue of tho most extensive on the globe. This plain has been sufficiently described under AMAZONAs. It lies along both sides of that majestic river, from its wide mouth, near $50^{\circ} \mathrm{W}$. long., to the confluence of the Ucayale, near $2^{2}{ }^{\circ} \mathrm{W}$. long., and consequently extends in this direction about 1500 miles. Ele erations deserving the name of hills are rare, but the surface consists of a continual succeasion of extremely slight undulations, and to this peculiarity of its surface, joined to its tropical clinnte, it seems principally to owe the inconccivable luxuriance of its vegctation.
The tracts which skirt the banks of the river are generally low, and overflowed when thic river rises. In many places the inuudntions are extended much farther inland by the channels which, in the dry senson, bring down the water from the numerous lakes. But during the inundation thene clinnonels carry the water from the rivers to tho lakes, and tho low country in their vicinity is covered with water. All the tracts thus inunlated are overgrown by an uninterrupted forest of trees of different size and species, with various bushes and underwood between them, and all these plants are tied together by numerous creepers, so that they form a vegetable wall, through which it is impomiblo to penetrate. The water-courses are the only roads which fead through this widderness. That portion of tho plain which is uut
subject to inundations is likewise covered with interminable forests, but the trees are of more equal size, and without underwood, though here also the creepers are numerous. Occasionally some tracts of moderate extent occur, which are without trees, and covered with rich grass, intermingled with a few low hushes. Nothing however characterises this plain more strikingly than the incredible abundance of water. Brooks and ponds are of rare occurrence, for they enlarge immediately into rivers and lakes; and these rivers and lakes form along the banks of the larger rivers an interminable watery maze. This abuudance of water, the softness of the soil, and the comparatively snall inequalities of the surface, have made some phenomena common here which are rare in other countries. Such are the natural canals by which two rivers are united. Between the Madeira and the Rio Purus, its next western neighbour, two such natural water communications exist, at least 120 miles distant from one another. Others occur between other rivers. These natural canals unite also different river systems, as the Cassiquiare between the Orinoco and Rio Negro, and the canal of Cabuqueria farther west, which, according to the information of the natives, unites the Uaupe or Uaupes, the principal branch of the Rio Negro, to the Guaviare, a tributary of the Orinoco. To the same peculiarities it is mainly to be attrihuted that many of the rivers, eapecially those running from the north to the Amazonas, send detached brauches to the principal river, 100 miles aud upwards before they eutirely uuite with it.
As to the rivers which drain this phain, we have already noticed the Tocantins, Xingu, Tapajos, and Madeira To the west of the last, and nearly parallel to it, flow some considerabio rivers: the Purus, the Coary, the Teffe, the Iurua, the Iutahy, and the Hyabary or Yavary. These rivers, which run from 600 to 800 miles, have not been explored, and the country through which they flow is nearly unknown; but according to the information of the Iudians it does uot seem that they are interrupted by cataracte. The rivers which drain the plain on the north of the Rio Amazonas belong partly to the republic of Ecuador, as the Pastaza, the Tigre, tho Nape, and Putumayo or $\mathrm{l} g$ s, and partly to Brazil, as the Yupurí or Yapura and the Rio Negro. Aboirt 100 miles from the mouth of the Yupura begins the canal of Avatiparand, which lies from north-east to south-west, and joins the Rio Amazonas nearly 200 miles above the mouth of the Yupurá. Iu this canal the water flows from Decenber to June north-enst from the Rio Amazonas to the Yupura, and from June to August south-west from the Yupurí to the Rio Amazonas. The large isiand formed by this canal and the rivers is traversed by other canals, which are subject to a aimilar change of current. The Rio Negro originates in a swampy country about $2^{\circ} 30^{\prime} \mathrm{N}$. lat., aud $70^{\circ} 30^{\circ} \mathrm{W}$. long., and runs first north-east and aiterwards south-east about 200 miles, when it is joined by the canal of Cassiquiare, which comes with a rather rapid course from the Orinoco. Hence it runs with numerous windings nearly due south till it is joined from the west by the Rio Uaupe or Uaupes, which rises in one of the eastern brancbes of the Andes, and flows in a generally eastern direction for nearly 500 milos before its junction with the Rio Negro near the equator, between $67^{\circ}$ and $68^{\circ} \mathrm{W}$. long. From this junction the Rio Negro fows first east and thon south-east, presenting in this part of its course rather the appearance of a auccession of lakes united by comparatively narrow chamnela than that of a river. It nometimes enlarges to 12,15 , or even $2^{n}$ miles in width, and sometimes narrows to a mile or a mile and a half; its current is generally very slow and not disturbed by rapids. Above 200 miles from its mouth it is joined by the Rio Branco, whose principal branch, called Uraricoera, originates in the Serra Parime, at no great distance from some of the branches of the Orinoco, and flows enst till it joins another considerable branch, the Tacutá, which rises near the sources of the Rupunuri, a tributary of the Essequibo, and flows a considerable distance north parallel to the Rupunuri. The Tacutí afterwards turns south by a bold bend and joins the Uraricoera. Both branches bave probably a course of more than 200 miles before their junction. The united river called Rio Branco, runs about 400 miles in a south direction, and has only a few rapids; cataracts however occur in the Tacutía About 50 miles bclow the mouth of the Rio Branco, a canal branches off from the Rio Negro called Carapuhuany, which lies in a south-west and south direction, and passing through the Lake of Cudnya, sends its waters to the Rio Amazonas by the Cudayn canal, about 100 miles above the principal mouth of the Rio Negro. The whole course of this river may be from 1200 to 1400 miles.
No large rivers traverse the north plain east of the Rio Negro. Tho Oriximina, or Rio das Trombetas, and Gurupatuba are the most considerable. The great plain of the Rio das Amazonas, which even on its extreme horders hardly anywhere esceeds the elevation of 600 or 700 feet above the sea, and extends ou both sides of the equator, diffors in climate considerably from other tropical coutries. The dry and rainy seasons are here not so distinctly marked as in Asin or Africr; nearly every day exhilits both. The nights are cloudless, but between nine and ten o'clock clouds begiu to appear ou the horizon, and in tho afternoon rain falls, frequently in torrcnts accompanied by thunder and lightning and sometimes by fierce hurricancs. The raini howevcr are lessregular and abuudant from August to October. They increnso during tho month of November and are accompanied with more violent thunder-storms; tho ruins generally

GEOn. EIT. VOL. It.
combaces ib equal abumptance to the eall of March. Frequenlly however they an interruplal hy a drier memon in January and February, - buch fó callot veraniou (fore-ummer), and then thoy continue more aboslent to Aprid and May. The cant wind is by far the moot povraleat The irew aro mevos without leave; for while they arto abochling the oll onen bot unen are alroaly forming. Moat of the troe abd plasea eprecially thome whlch are preculiar to a tropleal ditasate, bl ma letween Norember aod March, and bear fritithetween Jone mo Siepramier.

All the rivers erevensing the rlain fnmmdato tho adjnoent low tracts of marshy lame, bat tho isumation doen not take julace ln all of them at the mine wevor. [AXAROMAs]
 oppose the inand of Caviaxa, whlch lics in the grincipal embouchure a the river; on the mouth it inclindes the lower course of the Rio Tocnation and extebula to she weries of hille which run at a dintanco of zbout 50 mitom from lis lants on the east perallel to ite course To the enot of thew hill liew another and more nooven plain named aiser the l'armabyba, the largost of the numorons rivern by which it is ralenal If monerere from worth to suthth upwardo of 600 miles, and fromes wet 10 cent more than 400 ruile itw surface rises frepurently to kith of mome buadned feat elevation, which sprent ont into nracious katielnolh The eoth portion of the plain, whlch is mare lerel, is corerel with hae mon gows, intermermed here and there with bushen aod a few high imen. This dintrict in well adapted for the rearing of extite. Tho north purt bus much greater purtion of bigh treen, bat they form forests of only womall extent, which are sepmated from ope asother by large plains dentitute of tnees, oregrown with grayinh high grase and a few buaber Tha lower districts of this part are favonpable to the growth of cotton, the soil being rather dry and sandy. The climat. of this phin in hot ; tho thermometer rises in cumaner above $100^{\circ}$ and cornetunes to $110^{\circ}$. The rains begin in (Delober, abil increwe gradually to February, when they are most abumlant; they terminato early in May.

The Parmahyboriginates in tho mont nouthern angle of tho plain, near $10^{\circ} \mathrm{S}$. Lat, and imrermes it in a liagonal line from south-west to portheut and norlh. llaring no falls and ouly a fow rapids, it is narigeteal by reoals of from I5 to 40 tons to its junction with the llio dus litits, up to which phaco tho Furopenn eettlements on its banks are susserome. It empties itnelf into the sen by five mouthe, the most resote of which are 30 miles apart. liut as these moutls are not more shas 2 to fuchoms deep, only resach of underato size can come up to the Cown of S. Jolo de Parnaliyba Its whole courso is moarty 600 gnfleo ; and, with the exception of the Francesco, it in tho lugoet river that entom tho sea between the lio do In Plates nud the Ampromer

The entern boundary of this plain in formed by tho Scrm Ibinpabn or 11 g happula, from which extende eant the mountainons conntry that forma the projection of Brazll and terminatos with the capes of St . Tlagre and A ugurtisho. It resenblen, in nomo respects, the table-Iand of sinal; but the mountain plaius are of lons extent, and the rallegn noovery propurtionally a much greater part of the surface. Besides than, the cope of the mountains nad their declivition are clothed with trees, while the low tracta aro corered ouly with coame grans and low trube Sumerous riven trarene this country, but their course is comparatirely whort; they haro alao very little water, null aro, consoquently, not well adappeal for navlgation. Though the weather is mon changcable here chan in olher parts of Urasil, it rains less; the ralny amon legim only fo Junuary and terminates in April. In this pomon vegetatlon in rlgoroun and rapid, but from Augunt to December the country memolien duaty dewert. Somotimen, rad ar it appensa In doovanial porioda, thore la no rain at all, ankl thea both mean and animale die of bunger avel thinct.
Cape Augrotinko (Augurtin) ln $8^{\circ} 20^{\circ} 41^{\circ} \mathrm{S}$. lat., and $34^{\circ} 55^{\circ}$ F. iome. in owe of tho mot entera proint of Braxil. About 300 milen frum lhi cape, the great equatorial current, which travorwen the Athantle near the line, divisle inlo two branchea, of which tho northern and by far the larger fert rune along the north connt of Prmuil ta tho south of the 18 in des Amazonas, and lionco along Gurama to the Wex Indien This, called the Gigama current, onmbined with tho trale-wiole, which alogg thene shoren constantly blow from the ernt, peadna the royago from the northern parin of limail along thin shore to the prorimen wuth of Capo Angumtinibo mo terlinus, shat it wan, before she entelliahroens of the mall steamern, more casy for the inhabitunts of this part in communlots with Firmpo and Sorth America than - Ith the encthern provinces of tho empine. The muth branch of tho aquatorial current if called the lbravil current: the charecter of theane cerrvate and of the moneon commedel with them lo fully leecriled ender Anlastic Ocray.

Agmentrure, Fropluctions, de.- Tho climato and noil hare been motiont it dowerting tho cevmal great natural diviman of thin mat muatery. The cultivaled lande in 13 raxil tumar a rery minall proportion is the whote curfore, bet the propmertion of cultiratad land lo itomilly Inerwing. Pixept in tho tinizity of the larger lawng the farns
 of the wand mill more ms farthm ininnt. They are nearer ono enother in the ent rifertet of the tahlalard of the Pamma, alout $R$. Thabe the thauing dustict near Ville Rice, end al ang the river

Parmayba In the provinces of Piouly and Maramhao. Agriculeure in mill genemlly carriod on in a very rude manner.
The aborigines of lBrazil were not ontirely unacquainted with agriculture, but it was limised to a few articlea They planterl naise, bauanas aipls ( Mraihor aipi, Pohli), mandioc, aud eapuioum. Ninco the narival of the limropeana and Africans the cultirated plants liave langely multfplied, but atill tho cultivation of thome which wero grown ly the sborigizen is the mont extendexl. Tho mandioe, of which differemt specien aro cultivatal (Jafropha manihot, Linm.), is grown in every province except that of Miu Graude clo Sul. Maize la grown all over the country. In low and hot places the milho cadeto, a plecien with mmaller graias, is commonly cultivatod; it yields 20 -fuld. The millo do sorra, with larger whitigh grains, is growas in the valley" of the Lable-land, eepecially in Minam Gemen, and vields 150 ). fuld. Two crops ase annually gat, one in september and tho other in Slay : tho lirst is tho most abundanh [Rice in extensively cultivator] on the plains an well as on tho mountains, but especially in the prorinces of Naranhato and l'ark. Tho cultivation of wheat has heern attempterl in different districts, hut aot wilth muoh succons, execpt on the table-lnad of tho Parana and tho plains of Hio Grande do Sin] whence considorable quantities aro brought to lkio Janeiro. The banaua is cultivater in the low plains and vislleys along the const anul in the plain of tho Amaznnas. Potatoen ancceed in lio Graude do Sul ausl in Minas Coracs; and sweet potatoes succeed wherever thero is a good sandy noil. Thecara, s root similar to tho sweet potato, and supnerior iu thavour, in less productive. The inhame (Phenix dactylifera, Lins.) is likowise cnltivated for its root, which, as well as its lenves, is eateu by men and pigs. Various kinds of beans are also cultivated. Tho vegetables of liurope do not generally succeed well, being often destroyed by the ants and other vermin; locks however are an exception. None of the trees or plants cultivated in liumpe for oil are found in Brazil. Tho inbabitants cultirato the sessmum (sisamum orientale), which was brought from the Hinst Indies, and different kinds of the castor-oil plant Lamp-oil is gut from the fruit of a furent-tree called andiroba (Carapa grjanenis, Aubl., Xylocarpus, Scbreb.), which is common in somo districts, enpecially in the plain of the Amazonas A species of palm ((Vnocurpus dislichus, Marto), Which gires an excellent oil for the kitchen, grows on the north const. The coca-plant (Erithorylum coca), which is used by tho aborigines as - narcotic, is cultivated on the banks of the lupuri, as in I'eru. The mato-plant, which prodnces the tea of Paraguay, is a sbrub which is cultivated in the provinecs of Rio Grande do Sul and of S. l'aulo.

Coffee, wbich was introduced into Brazil about seventy years ago, is now grown in most of the maritime provinces, wore exprecially in hin Janeiro, the southern districts of Minas Gernes, and in Bahia, and it. culture is extending cvery soar. The sugar-cano is most extensircly grown in Bahia aud along tho braks of the lio S. Francencn; in other districts of Brazil tho cultivation of tho sugar-cnne in less attended to, but from most of tho maritinno provinces a certain quantity is oxplorted. The growth of cutlon has iucreased very largolyo It may be grown as far as $31^{\circ} \mathrm{S}$. lato, but is ouly cultirated to may great extent from $15^{\circ} \mathrm{S}$. Iat to the equator. In Permambico the cotton in gathered in July and Angust, in Maranhano in October, Norember, and December. On the banks of the Amazonas there are two trecs, tho mungaba and the samauma (Eiriodendron sпmamma, Mart.), whiclı produce a kind of cotton that is used to mako felts and mattrasses. Tobacco is less cultivated than formerly ; but considerable quantitica are still expurted to Arrica and to liturope. 'The hast in grown in the licconcave of lahin, expecially at Cachneira and S. Amaro. Indigo was formerly much grown, but the cultivation has almont cutirely ceased; little is exported, and that is of inferior quality. Ginger and the curcuma were once cultirated aurl exported from the north cosat, but both articles are now neglected. In morern times the pepper-tree, tho cimnanon-trec, the clore-tree, and the muscat-tree havo been planted near Rio Janciro and I'am, aud tho three first seem to wuceed at Para. The first trinl with the ten-treu failed at Rio, but the plant is now cultivated successfully in the Botanic Ganlen at Ouro 'reto, where seveinl neres are devntod to its growth. A cousidcrablo quantity of ten is manufactured, nud sells in tho market for about the name price as that inported from Chima. Ton-plantatlou have also becu formed in several places in the provinco of Sus Paulo.
The immense forests which cover the plain of the Rio das Amazonas Rupply varioun articlea of export. Cacmo is gathered very extensively, an well fa cloven, clnnamon, vanilla, sarmaparilh, caoutchouc, Bmail nuth, and different lnimn, as copniba and copal. What most strikes thonattantion of the saturalint in those vart furents is tho great divernity of regelation which they contain. In the worts of the mont rocent trnveller, Mr. Wallace, "The foreats of the Amazouns are distinguished from those of mont othor countries by the great variety of Wlecien of tines componing them. Instend of extensire tracts covererl with fiuen, ar oak, or lieeclien, we ncarcoly ever sec two individuals of the namo upecio together, excent in certain casea, chictly anoung We galma." ("Travels on the Ainnzon,' p. 436.) The foreats on the cont prodisce different sorta of timber, and worln for tho making of furniture and dyelng. 'Ithe fruitn of Europo which succeed lust in limail aro fign, omngen, ponaegrnaten, quincem, aul a Nualf mont of leinom. Vluen bar abnadantly in the neighbourhood of Halian ns
well as in the plain of the Rio das Amazonas, and preduce ripe grapes twice a year, in June and in December. Pine-apples are semetimes found wild in the forests near Para, but they are cultivated in the districts nerth of $30^{\circ}$, and near Pard attain an extraerdinary size, with an exquisite flavour.

About a hundred varicties of palms are found in Brazil. They abound in the northern provinces, and perhaps every one of the uumereus species may be applied to seme useful purpose. The most useful is the coco-palm (Cocos nucifera, Linu.), which is commen along the coast between $10^{\circ}$ and $20^{\circ} \mathrm{S}$. lat, and principally valuable on accout of the 'cairo' or onter part ef the fruit, of which repes of great streigth aro made. The Ceco de Dente, or oil-palm (Elacis Cruineensis, Linn.), which has been breught from Africa, grews net ouly like the coco-tree on the coast, but also to a censiderable distance fron the shore, and yields an oil which is used for lamps and culinary purpeses. The leaves of the piacaba-palm (Attalea funifera, Mart.), which grows wild between $10^{\circ}$ and $20^{\circ} \mathrm{S}$. lat., are an excellent substitate fer hemp, which dees not succeed in these parts of Brazil. Cables made of these leaves are much preferred to those made of cairo, being tliree times as strong.

A singular feature in the regetation of Brazil is the leafless parasite 11lunts. "They are all comprehended underthegeneral uame of 'timbo;" they sorve for basket-werk, and are beaten inte tow. Their juice is used in tanning: being bruised and cast inte the lakes and rivers, they stain the water with a dark celour, and intoxicate or peison the fish. These plants twist round the trees, climb up them, grow dewnwards to the greund, take reot there, and springing ap again cross from bongh to hough and tree to tree, wherever the wind carries their limber shoets, till the whole woods are hung with their garlandiug, and rendcred almost imperviens. The monkeys travel along this wild rigging, swing from it by the tail, and perform their antica. This vegetable cordage is sometimes so closely interwoven that it has the sppearance of a net, and neither birds ner beasts can get through it. Some are as thick as a man's log, their shape three-sided, or square or round; they grow in knots or screws and every pessible form of contortion. Any way they may be bent; but to break them is impossible. Frequently they kill the tree which snpports them; and sometimes they remain standing after the trunk which they have strangled has mouldered in their involutions." (Southey.)

Of the native vegetation of so extensive a country as Brazil it is imposible to give any exact idea withont going into numerous details for which this is not the place. Those who are desirous of making themselves acquainted with this subject will find the most valuable though still very incomplete sources of information to be the folIowing :-A uguste de St. Hilaire's 'Voyage dans l'interieur du Brésil;' the 'I'ravels ' of Martius and Spix, and of Prince Maximilian of Wied Neuwied; the 'I'fanzen und Thiere des trapischen Awcrica, cin Naturgemailde, of Dr. C. F. Ph. von Martius; the 'Aperçu d'un Voyage dans l'intérieur du lirewil, la Province cisplatine et lex \$lissions 'litus di I'araguay,' by Auguste do St. Hilaire, puhlished in the Mómoiren du Musóun," vol. ix. ; Gardner's 'Travels in the Interior of Irazil;' and Wallace's 'Travels on the Amazon and Rio Negro,' 1853.

As so mmall a proportiou of Brazil is cultivated, and by far the greatest part consists of extensive plains, very thinly wooded and frequently withont trees, the pastures are extensive, and one of the principal sources of wealth is in the domestic animals. The best pastures are to the noutli of $20^{\circ} \mathrm{S}$. lat., in Rio Grande do Sul, San Paulo, and the sonthern districts of Minas Geracs. The herds of horned cattle are luere immensc, and their produce, consisting, besides live stock, of hirlem, jerked beef, tallow, hornn, and horn-tips, is exported in great quantitice. As soon as the animals are skinned the hides are apread on the ground, slightly saited, and dried in the snn. The flesh is cut into thin slices, salted, and dried in the air. Thus prepared it is enlled 'Carne reca do Sertão,' 'Passocn,' or 'Carne charqueda,' and is curried froms the southern provinces to the northern, where it is consumed by the poorer elasses, and especially by the negroes. Butter is made in San Paulo, and cheese in Mlinas Geraes, but neither is good. ly far the greateat part of the cattle live nearly in a wild state, and are not milked. Cattle-hair is exported from lio Crande do Sul.

Hortes are numerous in the southern provinces, but less so in San l'aulo than in Rio do Sul. The number annually exported to the north is vaguely estimated at about 50,000 head. They are of a middling wize, from 12 to 14 hands high, but strong, lively, and swift. Those reared in Espirito Santo, and called 'Campos' horses, are beautiful animals, and last lenger. Evcu near the equator, in the province of Para, good horses are reared. Mules are only reared in the southern provinces, but in great uumbers. The sheep are in little repute, the meat being ill-flavoured and the wool of indifferent quality. Conts are inore numerous, and kept for their milk. Hogs are kept in great numbers. Monkeys are among the wild animals used for food by the Jurlians. A great number of monkeys live in the forests along the Amazonas, where Spix observed twenty-five different species, sone of very small dimensions, and there are doubtless several other specics.

Other wild animale, many of which are need for food, are different mpecies of the auta or tapir, the porcupine, the naslca, deer, the Bra-
of sloths, didelphyss, pacas, and ageutis, aud the wild boar. Besides these there are hyænas, jaguars, eunces, tiger-cats, coatis, squirrels, rats, \&c., and two or three kinds of bats, the vampires and the quandimi, which stick to demestic animals in the night-time, and suck their blood. Of birds Brazil possesses a weuderful variety. The largest bird is the American ostrich or emu, which is feund in numerous flocks on the table-land, and is caught fer its flesh and eggs as well as fer its feathers, of which different articles are made, as fans, \&c. Ameng birds of prey the king-vulture and the harpy-eagle, which are feund in the whele district of the lewer Amazenas, are the mest remarkable ; there are also many varieties of eagles, hawks, kites, and owls. The other birds are more remarkable fer the beauty ef their plumage than their veice. The most beautiful are the toucans, the tanasras, the numereus species of the parrots, chatterers, and ravens ef different celours, as alse the Balearic crane, different shrikes, kingfishers, wood-peckcrs, and humming-birds. Mauy varieties of birds are suitable for food, and especially the different kinds of pigeens, which are caught by stecping grain in the peisouous juice of the mandiocroot.
The numerous lakes at the sonthern extremity of Brazil in the province of Rio Graude do Sul are at certain seasens covered with water-fowl, especially geese and ducks; this is still more the case with the numerous lakes in the plain of the Amazonas, where the Indians kill great numbera of storks, cranes, ducks, \&c.

Fish must be considered as one ef the most important sources of wealth to Brazil. Whales, which in the seuthern hemisphere approach much nearer to the cquator than in the northern, and ceme as far as $15^{\circ} \mathrm{S}$. lat., formerly yielded considerablo profit, but this branch of industry has much declined. Farther seuth, ou the coast of Rie Grande de Sul, the Physeter macrocephalus (Linn.) is frequent, and yields spermaceti in abundance. Among the fish caught aleng the coast the garopa is the mest important. It attains the length ef frem 12 to 20 fect, and is very well tasted. It is most abundant along the sheres of the province of Bahia, where great qnantities are anuually caught aud exported. But the quantity of fish in the Amazouas and its large tributaries as far up as the cataracts is truly astenishiug. Mr. Wallace found 205 species of fish in the Rio Negro alone, and these he says he is suro "are but a portion of what exist there." It is to be observed, too, that most of the fishes of the Rio Negro are different from those found in the Amazouas ; indeed " in every small river aud in different parts of the same river distinct kinds are fouud." In many places the inhabitants, Indians as well as Europeau settlers, gain a considcralle portion of their subsistence by fishiug, iu which the Indians display much ingenuity. The larger fish are salted and dried, and in this state consumed by the lower classes; from the maller fish oil is extracted. The largest species are the pirurucu (Sudis pirarucu, Spix), which for size nad quantity may bo compared with the cod of our seas, and the pirurara (Phractocephalus bicolor, Agass.). The dolphiu (Delphinus Amazonicus, Spix) is uot found towards the mouth of the Ainazouas, but occurs farther up the river. It is from seven to eight feet loug, and is caught by the natives for the oil which is extracted from its fat; the flesh is hard and has a disagreeable taste. The lamantiu or manati (Manatus Americanus, Cuv.) was formerly found cven in the smaller rivera along the coast between Rio Janeiro and Maranhao. It is now sometimes seen in the Rio alo S. Francesco, but is common iu the Amazonas and its northern larger affuents. From its resemblauce to an ox it is called by the Portuguese poixe-boi (ox-fish), and by the Spaniards vaca marina (sea-cow). In the Rio Amazonas, according to D'Orbigny, it is sometimes 20 feet long, and weighs from 70 to 80 cwt. One fish often yields 480 or 500 gallous of oil, and its flesh, which resembles fresh pork, is cxcellent. Mr. Wallace, however, states that he saw nene excceding seven feet in length. Sausages are made of it, and sent to Portugal as a delicacy. It is a very peaceful animal, and rapidly decreasing in numbers. Its greatest enemy is the alligator, of which there are several species in the rivers and lakes of Brazil.
There are several species of turtles in the Rio Amazonas, but that called Tartaruga graude (Emys Amazonica, Spix) is most common. Its flesh generally weighs from 9 to 10 lbs . The farms in the ueighbourhood of the river have places well fenced, in which they are kept and killed as they are wanted. On some sandy islands of the Rio Amazonas, as well as the Madeira, Rio Negro, and Yupura, the turtles lay their eggs when the water is lowest: the eggs are gathered, broken, and by means of a slow fire reduced to a fat substance, called ' Manteiga do Tartaruga,' which is extensively used all over Brazil. About 20,000 pots of this fat, each containing 60 lbs , are annually made, and several thousand persons are occupied in its preparation.
Suakes are common in Brazil, and some are of great size, but the number which are poisonens, according to Freyreiss, is not very large. Lizards are very numerous.
The insects of Brazil are remarkable for the beauty of their celours, and their size, especially the hutterflies, in respect to which Brazil is unrivalled both as regards numbers and beauty: Mr. Bates obtained 1200 species in the valley of the Amazemas. Some of the insects are very destructive to fruits or furniture, as the ants, of which one species is fried and eaten as a delicaey. The varicty of Culeopteru is very great; but with tho exception of the extraordinary harlequin-beetle and the gigantic Prioni and Dynaster, they are generally of small size and

Iseio berllinacy of colour. lareoth, mon mpedilly Eiunopeoun, who have jast errived to linail, maffer much from monquitoen, cand-fieas (Pain pratrau), and sotse klarle of Clonope Tbe scorpion, whlch mometime attaise a length of ins. lnches, the molopnader, and some tumb of entrpitlans, apretally thom of the famlly of Alombycer, cauno -welliar and examive paina
Tho domertiatial beo of Fumpo is mot known In Bruzil; but Mar\& A han ruemernted more than thirty upeciew of wild beea, nearly all of Which are without mingt, and it in mpposod that some of them could the domenticuted. Gindser, however, during hin four yeary" traveis in Hruath, only anw oovestempt mulo to do mo, mul that wan by a Corniah miser fal the Oold Dietrict In the $1^{\text {rorince of San Paulo the nopal- }}$ tre grour, and the inhableanta collect cochincal. Several attenipta hare been male lo futroisuce the ailk. rorm, but hitherto we believe wilhout mucten

The tainoral wenlth of Bresil is comniderabla Gold is fonnd on both aidee of the Serm doe Vertenten, from tho Serre de Mantigueira to the north bruch of the Serra don Parici, for a distance of about 200 milles bet ferther on the morth than on the south side. It is foond, more or lem, in almont all the sivers whieh form the upper lirmehes of the Prancmoo, Tocantins, Araguay, and Guaporé, but by far the greatert quancity has been collected in the affluents of the Franceca The grencest quantity han been obtained by washing the and from the hel of certain rivers, or the alluvial deposit on their benke. It is only In comparaively recent time thet attempts have been mele to work the mises in tho mountainn. Before the beginning of the last century the quantity of gold obtained was inconsiderable, bert it lmercased rapklly. The sreatest quantity whs found between 1:53 and 1763, and from that time it continued to deerease, mainly owing to the better portion of the suriferous sand having been exhuruted, and to the amount of capital required to work the veins in the mountains on a regular syotern. Dritish capital has within the Iast fow youn been employed with conniderable suocess, and the mines at Congo Soco, near the Villa de Sabark, on the banks of the Rio das Vellise, a tributary of the Rio do S. Francesco, at Cocaes, at Morro Velho, and elsewhere, aro the remalt of lritish enterprise. Iron is rery abundant : in come placo, an at Minas Germes, there are whole motutain of ore; according to SL. Hilaire, it may be regarded as frestunutible, but up to the present time it has been worked on an ertenaive colle only In two or three places. Copper was once worked to a considamble extent. so milver has been found, and only slight fadiations of tin and quicknilver. Platinum occurs on the banks of the Rio Alinelt, a tributary of the Francenco, and in some other places. lat and cobali are moro common. Arsenic, bismuth, antimony, and manganco are found.

So country probably in richer in dimmonda than Brazii, but bitherto they hare ouly been foumd in the rivera. Tho most westera stroams tm Which diamonda bave been discorered are sone of the upper branche of the Paraguay. The diamond district, of which the Cliale Diunentlin in the centre, or the distriet of Tejuco, whero by fur the rrmeleat quantity of diamonds bas been found, is situated vobler $15^{\circ} \mathrm{S}$. Lal, and compreheade both vides of the Serra de Espinhana it is irnvenod by the llio lequetinbonla, an upper brauch of tbe Rio luelenonte; the emall river of the weatern part of the district fall Into she Framoseo. In this dintrict about 10,000 persous are deperdent upon the colioction of diamonds. The wearching for atones, fonperly a monopoly of the government, iew free to all. To the coush-west of this dintrict, on the Abretes and Indain, both of which Joln the Firnoceco on the left bank, betwean $18^{\circ}$ and $19^{\circ}$, there is asotber diamond divtrict, In which nome of the largeat diamonds known lhate been found; but the search hore ham beon long abandobed. In the plain of the Rio Parank diamonde aro found in the Tahact, which fafle Ints the Parmasanouna, a tribritary of the I'arand. The ralne of the gold and dlamonda of lirazil han however become toomelleralte coppperml with lin other producta. The yellow topazes found was Vill lise are much entoomed. Azothysti and other procioes rtonee and foupd In Minaw Oerwen

Ireail could not maincain lin trumeno atock of cattlo if the peoplo - Fes eltheel to lrey alt withous a rupply of which the anlemals will not chrive. The habelund doem not contaln rock-alt, but a grent nember of call 1 michen occur on the anrface coverol with a malt ethemmereop, which the estele lick up. Theso porchew, which geneo nally do sot exemet a fer muare yand double the valie of an cutate. ls otber plean mall-prixgo occur, and nerve the name purpoma. There ans who wit otpgen, wlich semenble thom on the ligh lend of Iran is Ach Two of them s? ver externive; one runn, on both aiden of tho Biranemeso, tetmen $7^{\circ}$ and $10^{\circ}$ 留 Live, from the Villa de Urubu wo the Vill do lockoiro, with es arerage brewlth of from 80 to 100 milen : the oflor 6 oflinated near the wentern houndary of the enpire, betwitin the larguay and the frra do Agompehy, beginning onf the buaks of tho Juraa, and extesoling In a monb-wemom diruction for a and ut alt which mpyase on the murfaco afor the raine in extructed by Eanhtas the marth, and loortoyg the witer to ovepurabe. In mome
 coser, the mail of which io lmpragnetal with naltpmetne In other phece mow ajwitally on the Mio de lepvetinhor ha, aluin is founul
in aberose.

Iuhabidanla - The inabitante of Brazif consist of aburiginos and of foreignern, who have eettled here in the last thre conturies. The aboriginen aro dividod into a great number of tribes, but they so far renenible one auotber In figure, complexion, and habita, an to appear to belong to the ame race. Thoy are of a midilling size and of slender make. Their complexion is a shining light copper colour, which sometimes pasees into a yellowiuh-lonown ; their luir is black, lank, and rough, their eyes are small, dark brown, and placed a littie oblique; their check-bones are prominent. All these ohameters indicate a resemblance to the race which inhabits tho castern parts of Asim They have lit tle hair on the chin. It in remarkable, that thouch then tribes agree so well in their external charaeters, they have all a dif ferent language, even if a tribe consists of ouly a few familien, whieb in sometimes the case. It in true that most of these languager contain some common roots, but the relationship is not so ciose that one cat be easily understood or learned because another is known. These tribes are still in a very low state of civilisation, but they are not unacquainted with agriculture, and with scarcely an exception onlti rate the ground and plant the two kiuds of mandioe, bananas, and in apecies of palu-trees, They have likewise divided their huntinggrounds, and inarked these divisions by boundaries. Still they derivo the greater part of their subsistence from the chnce, tbe wild fruits of the forest, and from fishing. In some tribes the unen mud women go naked, in others the women lare some clotbing. The ummber of these sarago tribes probably exceeds 200; many of them, however, consist of only one or two familice. This is particularly the case with the tribes in the plain of the Amazonas to the uorth of the river, where the people live in a completely isolated state, and at great diatances from one another. To the south of that river the tribes are much more numcrous, and often consist of several theusand individnals.

Aif the aborigines, who lead an independent and roving life, are called in Brazil Indianos Bravos, or Gentios, in contradiatinction to the Indianos Manso (Domesticated Indians), who have settied amoug or in the neighbourhoorl of the Europeans. Of these domesticated Indinns, there is a very considerable number, especially ou the coast. They were brought together by the Jesnits, and induced to settle in villages, called in Portuguese aldeas, where they were aeenshomed to agricultural labour. Bnt on the suppression of that order, the Indians left their abodes and returued to the woods, where they now eultivato a piece of ground, hardly sufficient to give them a bare subsistence, and employ their time chiefly in fishing and hunting. Their huts aro better than those of the savage tribes, and they profess Christianity;
The foreign settlers are either Portuguese, or negroes from Africa who have been brought over as slaves, and for the most part are stil in a state of slavery. The Portuguese aud the uegro have intermingled with one nother, and with the aborigines. The deacendauts of Europeans and negroes are called Mulattos; those of Luropenns and aborigines, Mnmeluecos; and those of the negroes aud Indiana, Caribocos. The offspring of the mulattos and negroes, who are called Cubras, are also very uumerous. The descendaute of the negroes are called in Brazil Creoles. The Mameluccos are valued for thcir quiet disposition and their honesty.

The whole population of Brazil is astimated at from four to fire millions; but the different independent aboriginal tribes, which still possess moro than lalf the surfaco of tine country, are not included in this account. It is conjectured that the whites uumber less than a million; the negroas about two millions, of which number uore than three-fourths are slaves ; and the mised races nud Indians somewhat mon: but, as we pointed out before, ali the statements hitherto published respecting the population of Brazil, whether of the entire empire, of the several provinees, or of partieular towns, are mere estimntes, and gencraliy founded on very insuffieient data.

Political Dirisions.-Brazil is divided into uineteen provincos, of which fifteen are aituated along the eoast, and four in the interior. Along the const, beginning from the south, are the following provincer:-

1. S. Pedro do Rio Grande do Sul comprelends the sandy plain tlust stretches niong the shore from the boundary of the ropublic of Uruguny to tho Rio Mambituba, a small river which enters the sea mouth of the Morro de S. Marta, and also tho whole country between thin plain and the Rio Uruguay, This province is rich iu enttle aut borice, prodnces the grnins of liurope, and rice, as well as most Finnopean frults; vinen nlso succeed very woll. In the mest nortionn dintricta aiong the Kio Uruguny thero are a few feebio tribes of indepoudent Indinuan S. Iedro, the only larbour of this province, is nitunted near the mouth of the lRio S. Pedro, and is formed by a anndy tongue of land. As vemela cannot approacla near the town of S. Podro which contnins nearly 1000 inhnbitnuta, and carries on ans active trade with 1310 Jameiro, they remnin at a place calied S. Jozא. Porto Alegre, the eaplal of the province, nituated on a bay formed by the 110 Jhoulyy, in weli built, and containn an hospital and several schools The population in 1845 was about 10,000 .
2. S. Catharinn comprehends the hilly country along the coast between the Hio Mambituba and the lio Sahy, which separates it from $M$. Panlo, and aloo the inland of $S$. Cathasina: it lies between $20^{\circ} 20^{\prime}$ aul $25^{\circ} 50^{\prime}$. Ilere the grains and frults of Europe aro cultivatell wgether with those of a hotter clinate. There are snme gool
harbours on the coast, but the most frequented is that formed by the island of S. Catharina The island of S. Catharina is above 30 miles long from north to south, and from 4 to 8 miles wide; its surface presents a succession of hill and dale, and a great part of it is covercuI with fine trees; it abounds with water, and has some fine lakes; the climate is tempcrate, and the air salubrious, so that it is sometimes resorted to by invalids. It is separated from the mainland by a strait, which in its narrowest part, where it is formed by two projecting capes, is not more than 200 fathoms widc. These caper divide the strait into two large ports, almost equal in size, and both very safe. The north and larger port is 10 miles wide, and deep enough for ships of war.; it is one of the best ports in South America. Nossa Senhora do Desterro, the capital of the province, is on the west side of the island upon a bay, \& little to the east-south east of the narrowest part of the strait. It has about 4500 inhabitants, and contains the residence of the president of tho province, an hospital, an arsenal, \&c. Somo small manufactures of linen and cotton cloth, and of pottery are carried on. Many spermaceti whales are taken in the strait, and the oil is prepared in several places of the island and the adjacent mainland. Laguna, population about 1000 , on the continent, has a harbour for coasting vessels, and exports grain, timber, and fish, which abound along this coast. S. Prancesco, near the boundary of the province of S. Paulo and on an island, has also a harbour for smacks, and exports grain and a great quantity of timber and cordage.
3. S. Paulo extends over the greater part of the plain of the Parana, namely, that part of it which lies on the east of the Rio Paranf, and over the Campos da Vacaria, and the sea-coast from the Rio Sahy, to the bay called Angra dos Reys. On the table-lands cattle and horses are raised in great numbers, and grain, mandioc, and rice are cultivated and exportod. On the coast, sugar, tobacco, cotton, and a little coffeo are raised. The west districts, along the Rio Paraná, from the mouth of the Rio Tiete to that of the Iguassu, are still in possersion of independent tribes. This province has many harbours for coasting vessels, and some thriving towns along tho cosst. Iguape, population 7000, stands on a good harbour ; it exports great qunntities of rice and timber. Nantas, the port of the town of S. Paulo, to which an cxcellent road leads over the mountains, is on the north side of an island called S. Vincente, in the Bay of Santos, and has a harbour capable of receiving men-of-war. It has 8000 inhabitants, and carries on a very considerable trade, especially in sugar. On the same island, but on the south shore, is the town of S. Jincente, population 600, the first establishment of the Portuguese in Brazil and long the capital; it is now only inhabited by fishermen. S. Sebastiño, farther to the enst, is on the strait of Toquc, which is more than 2 miles wide, and separates tho island of S. Sebastiano from the continent. The town has a harbour for coasting vessels, 3000 inhabitants, and exports timber and grain. Besides the capital, S. Paulo, which contains 12,000 inhabitants, there are four other considerable places in tho interior, Itu, S. Carlos, Sorocaba, and Corytiba. Itu, or Hitus, on the Tieto. is the centre of the most fertile churches, two convents, several schools, an hospital, \&ic, and with the surrounding district about 10,000 inhabitants. S. Carlos, formerly Campinas, is a large town situated on the border of the plains, and is a priucipal station of tho muleteers and others carrying on the intercourse between the const and the interior: population about 5000 . Sorocaba, situated on a hill to the west of S . Paulo, has 10,000 inhnbitante, and considerable trade in cattle and grain. Coffee and tobacco are cultivated to some extent in the vicinity. In its neighbourhood is the Morro de Arasoyabs, which is scveral miles in circuit, and cousists entirely of iron-orc. Corytiba, on the north skirts of the Campos da Vacaria, with the surrounding district, has a population of 12,000 mostly dependent on agriculture; some conrse woollens are manufactured: it sends the produce of that country to the const.
4. Rio Janeiro, comprchending the coast between the western extremity of the bay, called Angra dos Reyn, and tho mouth of the Rio Cabapuana, extends from 50 to 60 miles inland. To it belongs the greatest portion of the Scrra do Mar; and the Serra de Mantigueira stretches along its western boundary. It is mountainous, but contains also oxtensive valleys. The grains of Europo do not thrivo in this province; but rice, mandioc, and maize are extensivcly cultivated. Coffee is raised to a greater amount than in any other province, and cotton is also largely raiaed. It has some cx cellent harbours, especially thome of Rio Janeiro and of Angra dos Reys. The latter is formed by two islands, Ilhs Grando and Marumbrya, lying in a parallel line with the coast, and contains some excellent roadsteads. Two of its three entrances aro from 5 to 8 miles wide, with a depth of about 30 fathoms. Tho porttown of Angra dos Reys, on the mainland opposite the llha Grande, was once a more important place than at present. It containg thrce churches with convents attached, and about 3500 inlisbitants. Paraly, near the mouth of the harbour of Angra dos Reys, is a amall town, but is a somewhat busy place, being the port of the siogularly fertile plains of Paraty-Merim, Bananal, and Mambncaba, from whiel arc exported the finest sugar, coffee, and fruits. Tho town in regularly built, and contains three churches. Distilling is carried on largely. The town and suburhs contain nearly 10,000 inhabitantit. This province does not contain auy otlier considerable town excopt flo Janeiro, the capital of Brazil. [RIo Janeiro.]
5. Espirito Santo extends from the Rio Cabapuána to the Rio Belmonte along the coast, and from 60 miles to above 100 miles inland. Some districts are hilly, but the greater part of the province consists of exteusive low plains. A small portion of it is uuder cultivation, and produces sugar, cotton, rice, mandioc, aud maize in abundance. Fish sbound slong the whole extent of the coast. The west districts are occupied by the independeut aborigines, among whom the Botocudos are distinguished by their bravery aud cannibalism. Along the coast are tho islands called the AbnoLnos. There are some harbours, but only fit for tradiug vessels. Fictoria, or Nossa Senhora de Victoria, the capital of the provinee, is on the west side of an island 15 miles in circunference, in the large bay of Espirito Sante, which is deep enough for frigates, aud has safe auchorage. The town contains 6000 inhabitants, who carry on an active commerce in the produce of the country. Caravellas, the most commercial town of Espirito Santo, is opposite the Abrolhos, on the river Caravellas, which is only an arm of the sea extendiug 10 miles inland, of considerable width and very deep; but the entrance is only accessible to small veasels. The town, which contains above 3500 inlabitants, exports chiefly mandioc-flour, rice, and fish, the garoupa being taken in great numbers near the Abrolhos aud the reef extending cast of them. Porto Seguro, near the mouth of the amall river Buranhen, is a considerable place, with a good but not deep harbour. The townhouse was once a Jesuits' college; its church is one of the oldest in Brazil. Its inhabitants are principally occupied in the garoupa fishery.
6. Bahia extends from the Rio Belmoute to the Rio S. Francesco about 480 miles, and on the average about 200 miles inland. By far the greater part of its surface is mountainous. With regard to its climate and productions it may be divided into three districts of very unequal extant. The first, compreheuding the southern coast up to point Mutta, or the Bay of Camamu, and extending inland about 90 miles, is called the Beira-Mar, and has an alundance of running water with a fertile soil, on which mandioc, rice, maize, sugar, cotton, and coffee flourish; but the climate is humid and unhealthy. Iu this part there are few European settlements. The iuhabitnnts are mostly of the mixed races, but there are some native tribes. Rice is the chief article sent to Bahia. The Beira-Mar coutains immense forests of valuable timber, as yet almost untouched by the woodinan. The second district, known as the Reconcave, lies north of the former; it extends round the Bahia de Todos os Sautos, or All Saints' Bay, to Cape S. Antonia, nnd from 20 to 30 miles inland. The climate of the Reconcare is healthy, the soil is fertile, aud there is abundance of water; and these with its conmercial odvantages have rendercd the Reconcave the most populous district of Brazil. Villages and farmhouses are frequent, and thero are between 20 and 30 small towns. The capital of the province, BaHis, lies ucar the northeru entrance of the bay around which the district is situated. Between tho entrances to the bay lies the island of Itapurica, which is 23 miles long from north to south, and 10 miles across in the widest part. The soil of the island is fertile; aud it is planted with cocoa-palms, mangoes, jacas, vines, which bear three times a year, oranges, quinces, and other fruits of the south of Europe. It has also a whale fishery, cord manufactories, and distilleries; and about 16,000 inhabitants, of whom nearly half live in and arouud the port-town of $S$. Gouçalo. The surface of the leconcave is hilly or gently undulating, with wide open plains, watered by the Paraguaçu, the Itapicura, tho Iaguaripc, and several amaller strenms. Great quantities of sugar, tobacco, and cotton are raised for shipınent from Bahiu. Rice, mandioc, and numerous fruits and vegetables flourish; and along the coast are whale and other fisheries. The thirl district, which is very different from the other two, consists of the mountains, and the sertoes, or dry open plsins on the backs or between the ridges of the mountains. These plains afford in ordinary seasons rich pasturage, but they are subject to occasional droughts which cause much mortality among the cattle. In the narrow valleys maudioc, fruits, vegetables, and some cotton are raised, aud a few villages have been built; but the largor part of the district is only inhahited by Indian tribes. As has been secn, the soil of this province is extremely fertile, and a good deal of care has been bestowed upon its cultivation. The priucipal products have been ennmerated. In indigenous trces and plants it is vary rich. Timber trees affording wood of grent beauty and value are very abundant, as wcll as those whose wood is used in dyeing. There are numerous palms, some of which attain a prodigious size : the coconpalm and the passaiba, the bark of which supplies cordage and cables, are among the most valuable. The cashew-uut, and the nayhn-trce, which jields a sweet nut, are very abundant. Among modicinaI plants are ipecacuanha, Jesuit's bark, jalap, tamarinds, Brazil-root, curcuma, and betony. Among trees producing gums aro the copal, dragon's-blood, mastic, and copaiba. The metals onee formed a considerable portion of the wealth of this province, but they are now of very little importance. Mines of gold, silver, copper, iron, and antimony exist, but they are not worked. Saltpetre occurs, but it is not collected. The capital, Bairia, is noticed under its titlc. Cachoeira, ou the Paraguacu, is a busy and flourishing town situated in the midst of the chief tobacco district of the Recoucave; some coffeo is also grown in the neighbourhood. The population of the town and district is sbout 15,000 . Near this town copper mines
 fowent teing tho lergeat jiece of ustive evpleer ever limovered. Neranayp, in the valloy of tho lguspe, an alluont of tho I'araguacu, theogh ley! a manall wwn in of mome importazce es the centre of the anger diarich which extanda for five or aix suile sorth of the town, ant conlaim ibore 50 riastations. Itheon, at the month of the river of the mane manes, wan foutuded is 1535 ; it han a goot deal of trale, and outaite pearly 5000 inhabitanta Cirempe, a town mutue milean mouth of Ilheor, lun alo mome loonl lmportauca Camamm, the twouth of tio Many of Camemu, poprufetion 2000 , ie e busy port-town ; the esport are chledy of timles and rica. Jacobina, ou tho left bank of isapicurs, pear ite conduetre with the Ourn, is the centre of a buny arreathasel dutrich celebrabad for ite tobmeco: propulntiou togother -60: 10,000
$\therefore$ Sengip del lley comprelends the country to the north of the river 1610 iteal, as far as the ombouchure of the Francosoo, and 140 mine iolmod. It warfece in a plain, with the excoption of a few hatle ; lut the weet portion ie conaiderably higher than the eant, which in corercul with formeta iutermingled with pstches of cultivated grousd The woat oountry in generally atony, with few wools or fersils incta, and is ref deaclent in water. It supplios only very lodsefereue pacture for oattle. In the eat district the plantatious of angs, cotron, and tolacco aro numeroum Tho harbours nre formed tur tho mouth of the rirern, which aro noither large uor deep. Siro cirutoris, or a 14 in commonly called sergipe, propulation 3000 , the copital of the provirece, it nituated noar the river I'aramopuana, on anm of the IKio Vaeabarrin, is milew from the sea: coasting vessels poue sp to the town. It hea nnmufactorios of nugar and twoncco, and motne tan-pila Eatancin, population about 3000,18 miles from the wa the Rio Roal, carrici on an active commerce in the froduce of the country.
7. Alagoar Thin prorince has been alrendy described. [A catcoas.] The lirceat apilal in Maccib, or Matsayo, the seat of goverunent laving loen notmoral there from Alagons. The tow consists of a angle mereot of white housen, ranged along the beach at the back of the harbeur of the mone name, which is formed by a coral reef, and mitunls govel machorago. The town conkains four churchem, a gevern. rbent bouse, a theatre, and about 0000 inbahitants. The chicf oxports are augar, ootlon, hision, and Bravil-woul, but the products of the province ano chlosy meat to Bahia and Pernambuco for shipment. Sustue lace in ande at Maçed $\delta$.
8. I'ernambuco counints of two parta, one on the const, and the otber on the tablohanh. Tho latter is diatinguished by the name of fiertio de J'ermanhuou. The comatry along the mhores extonding leetween tho river Una and Goymuna is in goneral flat, but farther Inlami it procetita a mucceasion of hill nud dhio, iutermixed with wome level grousula of cossidermble extent. Whors if nppronches the Seriac tho aurface in mony and wherile. 'The Sortao, which extonds alung the len bank of the lio S. lirancesco, botween the province of Iblin aml (inyax, an far min the lio Carishenlas, an nitluent of the Kio \& F'mencocu (noar $15^{\circ} \mathrm{s}$. lat.) in a portion of the table-lasid of Itradi, and comprolienuln the grator part of the salt atoppess already decrelnal Other portions howerer affurl exoullent pasturo for cattle, and on the lanke of the river the plantationn of cutton are increasing. Sitgar and cotton, and other commou pruduction of tropleal climates are cultivatenl, and dyowool is got in the foreste, nearly 100 en le fruen the ane Clowo to the maluland and about 30 miles north from l'ertaninlaco city in the ialand of flamaraca, celebrated for the fertility of its moil, its nult-worka, and its fishorion. The inland if aluat 20 milos long and 21 millea broad; it goutains two or three FHesca, eeveral churchen, a thentru, aud about 8000 Inhnbitanta Vinet quantitles of cocon-uut palus grow ou the ialunI; uugar, rico, aod mandive aro alno ratherd. Tho uumeroun harbours alung the cont of I'ernambuco are only mapted for munll craft, except thoee of Catoama, Incife, and Tamandare. The port of Catimana in at the worth entrmuce of the merait, which dividen the inland of Itamamea frum the onatisent, and mear the north part of tho conat. Hecifo ia the Larbour of the town of Perwmbluco; and tho port of Tranandare lien ahout 80 miler mouth.went of Cape 8 . Auguntinho. The lant maned is the lrest, and capalle of holling large veamely, boing frour and fro fachome deop at the entmace, and six fathoms within. lisidar the town of lecife and Ohinde, which colupone the town of l'msanaeco, there li Govenma, Impulation 6000 , at the junction of two riven, IS milew from the sea, which esporta comaidermblo quantities of cottan It comtains ire churchor, an hompital, wad sotuo other pruble bulbiluge, abd th the mat of eivil aud crimimal courta. Some sacturive bere Liea entabliahed herc.
9. Parmahyta do Niorto extende about 60 milcm along tho connt from the IBio Cloyanm in the Ihay of Mranom, mul 210 millea at its ervatert with Irots cant to woot. More then two-thirls of its aurico haro an arid woil and are not cultivatel. The cultivated lamh are in the vicinity of wne rivers and on tho tuountain ridgea, wheh are gemerally corered with treos aud have a atrong woil the InDijal provlucta are eugar, collon, mandioc, maize, and tobnco, with escalleat frusta lie fow jourta cas ouly receive nmall reeode; but from Cape liranco a reof extemiln nowrly Is miles north, lotween which and the limeh there are nine and ten fathoma of water, in which rembe cos ride in esfety. I'erwahybe, the capltal of the muvince, popu-

Iation 15,000 , in on tho ribist Lank, IU wites above tho exubouchure of the river of the sump mame, which, though about threo niles wide at its moush, allows ahipn to anoend only for three suiles; muthing but mmacke cas come up to the cown, the commeroo of which it the froduce of the proviuce is conviderable. In thetown are goverument asd other warchouma, tho prewident'a palnce, the treasury, a lasad nome olifice, soveral churches sid conventa, man swal, aud ma electoral college.
11. H1o Grande do Norte exterds along the coant from the lay of Marcoa to a range of hilla called the Serra of Appody, by which it In separated from Ceara, and it runs 100 milen inlansl. Ita surface is generally uneren and hilly; nt a few phaces it rimen into mounkins forosta, Lowever, aro raro and of so great extont, but they prorluco very fine Brazil.woud. The climate is liealthy; in gensernl the soil in iry, and beat admptod to the cultivation of cotton; but uasulioc and maize are raised abundautly; the sugar-cane and ricu are ulan eultivated. Along the Appoly Kiver near tho boundary of Ceurs and elsowhore, aro several malthake, from which gnut quantities of excellent salt are extracted. The few harbours of this extennive comst aro suot dcep. Nausl, populution mbout 10,010 , the capsital of the proviuce, in adrantagcously situsted ou the right bauk of the Rio Grando, near tro milos shove its mouth. It lass also ma easy communication with the inland districts, the river being muvigahle for large Inrlin near 10 miles. It carries on a considerable export trade in timber. The Island of Fernaudo de Noronha, $3^{\circ} 30^{\prime} \mathrm{S}$. Lah, about 250 miles east-northeast of Cape S. Roque, belongs to this province. It is 10 miles Jong, generally hilly and stony, with a few smanl portions of land capable of cultivation. Convicts are trassported hore.
12. Ceara or Seara extends froun the Serra Aplody wo the Serra Hibiapaba, which terminates between tho rivers Camucim aud Parualyba, in lills not far distant from the sen, and separates it foom l'inuly. It is computed to measure from warth to south sbove $\$ 00$ zuiles. The surface of this province is generally uneven, but the valleges are wide and not deep; the elevations are uot great, except towands tho south and west boundary liue. Tho soil is in geueml suacly and comparatively unfitilo, except on the sides of the unomatains, whero it is rich aud coveren with foreata. In the lower districte grain aud mandioc are cultivated. Along tho rivers cutton is grown. Tho district about the upper hranches of tho Jio Jagunribe, the principal river of the frovince, is the most fertile and populous. Ceand is celebrated for its cattle, of which largo numbers are reaned. Thc chicf exports of the province are hiden, cotton, and dyowoods. The country often euffers much from loug drouglits, The dencendants of tho aboriginen are uunerous, especinuly iu the fows fertile districts. The shores, which in some parts aro stedp, in othom flut mul saudy, have no porta except for small conating versels. Purtaleza, formosly C'eari, pepulation abont 3000 , the eapital, is gituated near the beach about 7 wilos north-west of the mouth of tho river loark. It has so harbour and very little cusnmerco. There sic few sublio buildinga, but tho town la anid to bo laproviag is appenrnacc. Aracaty, on the Jaguarilo, 8 milos nbove its moull, is tho most commercial and populuus town iu the province. It contains four claurches, and 5000 inhabitants, and exports cotton and liches in large quantities. The tide, which rune 30 miles up, the river, facilitutes the mavigation. Siobral, not far from the bruk of the Camucin, the secoud town in commerce and population, is about 70 milen from tho ser. Its port is Grauja, on the left hauk of the Canucina, 2(1) uiles frous the sea. /cb, nituated on the plain cast of the Nio Jagruaribe, or Singada, is the mont important tows in the interior. It cumanta of threo priucipal ntrooty, nad neveral sanaller ones, and contains four churchon nal mearly 5000 inbabitasts. It is the chiof anart for the iuterior of the prorince.
13. Pinuhy hns only a const of nbout 60 milo between the Serra Ilihiapmba rusel tho mouth of the lkio Paranlyyba, which river divides it from Marnuhaso; but it extonda 400 miles inlual to the source of that river. This grovince in ouly hilly on the boundary-line of Ceara and Jernambuco; it is particularly adaptod to the lroeding of horsus and cattle, tho pastures in the southern jortion of the plain of tho Iaranhyh being exteusive and excellent. Hesides cattle nnd horsess, cotton is exported, rud, In adlition to other grains, tice mad mandioc aro particularly cullivntod. Silver, lead, aud Iron exist, but aro not worked to any cxtent. Salt is found and mauufactured largely: Indopuadest tribee atill exint in the south district, batween the rivers Parmahymand Gorguom. It ham no port, except that formed hy the east mouth of the Itio I'armahyba, called Iliguarassin. Ocyras, the capital, in situntod in a circular valley on the small river Mochn, which, 3 miles lowor down, folls into tho Caninde, a tributary of the Parmulaylon, It in a small town with 3000 inlanhitasts, nud contains the provincial house of asambly, throe churehes (two of them unflnimbed), a jail, hompital, lourracks, aud the ruinn of the Jeauits' collega l'arnaAyba, populatiou 3000 , lies on the $I$ liguarassu, the eant aud most considerable bruuch of the I'ermalyba, 15 miles from the sen, and carricm on an active trado in hides and cotton.
14. Maranbio comprchends the weatern portion of the plain of the Parmhyber extending rong the coast 350 milem from tho western mouth of the Jio Parushyba to that of the Turyvaseu, and nenrly 400 enilo inland. It in more billy than riauly; eapecinlly in the south diatricts, but towards the soa cxtremely jroductive in rice and
cotton, which are exported in large quantitics. $\Lambda$ considerable part of the province is still covered with the primeval forests which abound iu raluable timber. Iron, lead, and antimony exist, but have not been turned to much account. The southern aud central districts and most of the western, forming together perhaps half the province, are still occupied by independent tribes. It has some good harbours, the best of which arc the bays of S . Jozé and of S . Mlarcos, formed by the island of Haranhso, which is 20 miles long from north-east to southwest, and 15 miles in its greatest width. To the west of the Bay of S . Marcos, the shores are skirted by a series of small and low islands up to the Bay of Turyrassu, the limits of the province on the side of Park. Besides the capital, S. Luiz de Maranhāo [Marasiāo], it contains two considerable places, Alcantara and Cachias. Alcantara stands on rising ground on the west of the Bay of S. Marcos; it has a port capable of receiving large eoasting ressels, is a large well-huilt town, and carries on a considerable trade in the produce of the country. In the vicinity are several salt-works. Cachias is situated on the Itapicur(, where that river begins to be navigable for large barres, in a district which is productive in cottun. It was a thriving towu before a robellion which broke out in the prorince in 1839, cluriug which it suffered severely, having been formome time in possession of the insurgents, Its population is now probably not above 6000.
15. Para extends west from the Rio Turyvassu, nearly to the island of Tupar ambarana, along the south bank of the Amazouas; and farther to the south to the east banks of the Rio Madeira; thus eompreheuding a large part of the plaiu of the Rio das Amazonas, and also considerablo portions of the table-land; nearly the whole of it is still in tho possoasion of independeut tribes, the European settlements being very sinall and at great distances from one anotlier. They occur almost exclusivcly on the banks of the IRio das Amazonas, and at or near the mouth of its larger affluents. Cultivation is iu a very backward couditiou, and millions of weres of the most fertilo land in the world are left in their natural state. Rice, cottou, sugar, and hides are exported. One of the most important artieles of export is caoutchone, which is sold as it is obtained from the trees and manufactured into shoes. Cacso, barsaparilla, cloves, Brazil-nuts, and various substances for dyes form considerable articles of export. The fisheries of the coast and the rivers afford employment to many persons. The capital Pars is situated on tho Park, a wide river formed by the confluence of the Tocantins with the Tagipurf or southern arm of the Ama\%onas. Brayenza, population 5000, stands on the Cayté about 20 miles from the sea. It is an oll town and a considerable place; tho port is often resorted to by the consting vessels which navigato between Maranhio and Para. Cameta, or lizoza, the most considemble town next to Para, is situated on the left bank of the Tocantins, above 30 miles from its mouth. It has considerable trade with Pard and the province of Goyaz: with the surrounding district, which is remarkably fertile, it has nearly 20,000 inhabitants, Santaren, near the mouth of the Tapajos, is the depot of the numerous srticles of commerce collecterl in the forests around it and farther up the Amazonsa; it is also visited by barges which navigate townds the country farther west: popilation of the town and suburbs 10,000 . To this province belongs the island of Maraj6, or Ilha dos Joannes, the largest island of lirazil, extending above 90 miles from north to south, and at least 120 from east to west. It contains about 10,000 square miles: the population is under 20,000. The north shores are washed by the sea, the west partly by the priucipal branch of the Rio Arnazouns and partly by the canal of Tagipurt, which unites the grest river to the R'o das Bocrs, a fresh-water bay, at the eastern extremity of which tho Tocantins has its embouchure. This bay and the Rio de Para inclose the island on the south and east. Its surface is level, and its own numerous rivers, some of which have a course of 70 or 80 miles, inundate, in the rainy season, considerable tracts on the west and south side. About one-half of the jsland, consisting of that part which borders on the ocean and the Rio de Para, is nearly without wood and pastured by great herds of cattle and horses or cultivated; the other half is covereal with high trees and abundance of underwood.
16. Alto Amazonas is a new province formed out of those parts of the provinco of l'arí and the former province of S. Jozé do Rio Negro, which lio to the north of the Amazonns; it includes consequently the whole of Brazil north of that river, frequently called Brasilian Guyana This wide tract is almost cutircly occupied by indcpendent tribes. The few Europesn settlements ouly occur ou the sen-coant and on the banks of the Amazonas nud the Negro rivers.
Barrce do Nio Neyro, the capital, is situated on the left bank of the Ikio Jiegro, and contains with the suburbs about 6000 iuhabitants. It has some trado in Brazil-nnts, sarsnpnrilla, coffee, cocoa, and tobacco, which are mised in the neighbourhoor, Macapa, population 5000, is at the month of the cannl of Bragnnza, the principal branch of tho Rio Amazona, opposite the archipelago of islands which that great river furme lipre. It ina considerable town with a fortices, and carries on an active commerce in the prorluce of the country. Montalegre, aitnated on a mall islanfl in the river Curupatubr, 7 miles frum its junction with the Ainazonn, is a conniderable place, and has some tralo: the population of the imland is about 4000 . Olyydow, formerly Panxis, population of the district 6000 , is near the east mouth of the

Rio Oriximina, which joins the Amazonas. In this place, at the distance of about 700 miles from the sea, the Amazonas runs in one channel, about 900 fathoms wide, and up to this point the tide ascends. It has some commerce chiefly in cotton and cocoa. Tabatingi, on the Amazonas, situated near the boundsry-line of Ecuador, is a very small place. The island of Tupinambarana belongs to this province. It lies near the right bank of the Amazonas, east of the Nio Madeira, and is above 150 miles long. Betweeu it and the mainland on the south is a large, deep, and navigable channel, called canal de Irarik, into which many rivers empty themselves. When the Madeira is swollen, the current runs through this channel east; but in the dry seasons it runs partly in the Madeira, and partly to the Amazonas, by different mouths. The island is low and covered with impenctrable woods. Nearly in the middle it is divided by a narrow strait called the Furo dos Ramos, which unites the Iraria with the Amazonas.
17. Natto Grosso (Great Forest) occupies the centre of South America. It comprehends the greater portion of the table-land between tho Madeim and the Araguay, the tributary of the Tocantins, the portion of the plain of the Upper Madcirs belonging to Brazil, the plain of tho Paraguay, and the west portion of the table-land of the Param, up to the banks of that river. A great portion of the table-laud north of the Scrra dos Vertentes seems to be a desert of little value, of which the Campos dos Paricis are the Worst part; and no Europeans are settled here. The table-land of the Paraná is better, and has extensive pastures; but it is still possessed by the indcpeudeut Indians, more especially the Cajapos. But on the river falling into the Paraguay there are numerous Euro peas settlements, though they are generally small. Diamonds and gold are found in mnuy places; which circumstance gave rise to the settlements, though the miues at present are poor or neglected. The low country on both sides of the Paraguay is mostly occupied by the Guaicuris. On tho plaiu of the Upper Madeira, along the banks of the Guaporé, there are also many European settlements: gold abounds here; but the greater part of the country is possessed by indcpendent tribes. Cuyaba was made the capital of the province in 1820 in place of Matto Grosso ; it is situated near the banks of the IRo Cuyabi, an affluent of the Rio de S. Lourenço, which is a tributary of the Paraguny, and is noted for the quantity of gold which was found here in the beginning of the last century. Cuyabá thongh the seat of the provincial government and an episcopal city, is in uppearanco merely a villago of poor houses. It has about 3000 inhabitants. Matto Grosso, formerly Villa Bella, a considerable town, situated near the Guapore, has 15,000 inhabitants; some important mines are in its neighbourhood. Filla Maria, on the east bank of the Paraguay, in a very fertile country, is a thriving town.
18. Goyaz occupies the centre of the Brazilian table-land, including the basin of the Tocantins to its confluence with the Araguay and the countries on the east bank of the Araguay, together with the hilly country ou the Parmajyba, an afluent of the Parana. Europeas settlements are coinmon only on some of the upper branches of the Tocantins and Araguay, where gold was found in abundance. There are a few small settlements aloug the Tocantins up to its coufluence with the Araguay: but by far the greater portion of tho country is in possession of indcpendent tribes; among which the Cajapos on the Parnahyba and the Chevantes between the Tocantirs and Araguay are the most numerous. Goyaz, formerly Villa Boa, the capital, situated on the Rio Vermelho, an affluent of the Araguay, in a country rich in gold, contaius the governor's palace, seven churches, and some other public buildings, and about 7000 iuhabitants. Nossa Senhora do Pilár, a considerable place near the ridge which divides the affluents of the Tocantins from those of the Araguay, is in the neighbourhood of some rich gold mines. Natividade, a town 35 miles from the east bank of the Tocantins, population about 2000 , is the most commercial place of the province: it sends its produce to Bahia. It contains four churches, but, as is so common in the Brazilian towns, they are, though old, unfinished.
19. Ninas Geraes comprehends the east and, as it appears, most clevated portion of the Brazilian table-land along the upper course of the IRio de S. Francesco, togother with the most northern part of the table-land of the Parank Almost every kind of metal is found in this province. It is rich in gold, iron, copper, and diamonds: lead, mangsnese, quicksilver, chrome, arsenic, platinum, bismuth, and antimony aro also found. In iron the proviuce is perhaps richer than any other part of the world. Gold is found, particularly in tho upper branches of the Francesco and its two affluents, the Paroapeba and Rio das Velhan; the mines arc chicfly worked by English companies. Dianonds are found in the Icquctinhonha and $A$ baete. The countries about theso rivers are well settled hy Europeaus, except the Abaete; but a large portion of the province is possessed by Indian trihes. Topazes, aquamarincs, garmets, amethysts, tourmalines, and chrysohoryls are fonnd chiofly in Minas Novas. Coffee, sugar, cotton, maize, and tobacco are raised in considernble quantities, but the agricultural resources of the province are but imporfectly developed. Vast herds of cattle are pascured on the uplands. Ouro Preto, fornerly Villa Fica, the capital of tho province, is situated near the Serra Itacolumi, iu the millst of momentaius rich in gold: it has 8000 inhabitents. Ouro Preto is one of tho best looking cities in the
leserver of lirwall In form it is cotnpmet: It han wix churehea, one or tro of which ero very landmomn: the paisoo of the grorincial governmont, a agectous atol well buile elifice; a college, absl other jublio beblimge: med ofe of the privato houme are if a mporior clama. Is the vidmay in a contanio ginlen. in which cereral noren are dovoted to the mocomoful eultivatian of the ten plant. Marionna, at no gruet divernoo farther to the eart, hae aimonahlerable saiues ln ite neigh. thererbowl, acul so00 Inlubitanta, but bes littlo buslnem. It contains the smidese of the hinhop and a stocolorioal college. \& Jodo det Rey, oq a mall river whlch unite with the Ilio Cranle, the prinelpal lerameh of abo lamanh, lam about $\$ 000$ Inhalitants. In Ita vicinity aw wome saises but is derive mone lmportance from the rowd hetweas 8 Jaulu and Villa Itice panink Chrough is Saborf, on the Itho des Vellea is a loug dull town of about 8000 inbabituts; it cootaine eresul clauchen the etrecte aro wido and well pared, and goase of the houwe are lurge and handsotze, but it las little tradc. In it meighbourhooul are couvlderablo goll minea, among which aro the rich misen of Congo Soce, and Cuyabd; hut by these there aro commouly rillages which oupply tho onlinary requireneuts of the misers Cidade Diamentina, formerly Tejweo, the capital of the diumood dintriet, fo mituatal on an moclivity of a lofty mountnin, al=wis 1000 feet above the level of the soa, and on the npper part of the amall river S. Antonio which falle into the Iequetivhonha : it has about 6000 luhabitanta Is is a well-built place, contains three or fous bandwore chunches, and meverl public fountaina. The shops aro pood and well ntocked, and in the city and suhurhs aro many excellent abll onetly houses witls rich garlens. In the same neigh. bourhoal is Cidade do Nerro, formerly Villa do Principe, which is moriy an largo an Cidmlo Diamentina, and like it stands on the slope of a monstain; hut it is a much poorer and less jopulous place.

Chomerre, de. - The manufactures of Prazil are quite in their infancy noll of the rudest kind. Tho Braziliann aro not meroly umakiful in mochanical pursuita but averse to their practice, and comparntively few Furopean mechanics have settled in the conntry. Cottan in opun, but only of comrse kinds. There are a fow iron-works, Tho making of iadia-rubber golombes is carried on to a considerable extent ty nativo workmen in Park, mul the export is of some conseyeance to the prorince. The manufacture of various articles for home conoumption in also carried on, but not to any great exteut. Iu the towne rarious orlinary handierafta are of course practised.

The mearcity of the means of inland commuuication prevents the prorinco of Watlo Grove and Goyas, which lio at a great distance from the mon, from hringing their agricultums produce to any market, and their export is consequently limiter to gold and diamonds. Minan Germa, which is comuecterl by tolerable roade with Rio Janeiro, Thhin, asd S. I'anlo, and also enjoys the adrantage of an easy navigrition on the middle cunrmo of the S. Francenco, cxports its gold anl precious atones, and also coffeo and cotton. The provinces along the conet generally ponsea good harbours, or can easily reach them. The maritime interconrec of the eevernl provinces las been [rvally [acilitated hy the introduction of powerful goverument mail eleninerr

The forejgu commerce of Brazil in more cxtensive than that of any other corintty of Ammrica except the United States. The ressels of all puthom ane almaltted on the mame conditions, and their cargoos gey the same dutlom. The inost important articles of exportation are - eutece, of whlch the quantity annually exported is valued at nearly $8,000,000 \mathrm{~N}$, bbout latf of it being sont to tho United States; amgar, which amonnta to npwarls of $1,500,000$. ; and cotton, the value of which is at leant 750,000 . The exportation of cocon, tolsecco, riee, copioca, hllew, tallow, horni and horn-tlpm, mahogany, cedlar, rosewood nod other raluahle timber, dyo-wonl, marmparilla, nad indiarubber io alos conniderahle. The einaller artielen are-isinglan, indigo, eviorbeasa, cantor-vil, ipocacunnhas, and diferent drugno

Nearly all the oukar of Brazil flnda a markot in Fongland, the United Stata, Itamburg, Trieate, and Portugal; the rice is with a triturs exeeption ment to l'ontugal; the coffeo is divided between liarog asol tho United Staten, the latter having incrennod their lmgente to obelagif of the whole quantity in late years. Almost all tho ooblon, poeswood, indlia-rubber, asd ininglass is brought to Fiug. Iaral. Tha Liden are lintributed lietween Iinglansl, tho contlnent of Kumpe, mol the United Sitater. The robmceo is ment to lortugal and in 1 Bivaltar, proviona to lelag manugaled into Spain, and to the const of Afries The ram whlels in exjorted finds a market chiefly on the Afriean enat mad In nomo porta of Portiugal.

The asnesad exporta from Iraxil may be catimatol at about B,000,000N., of whlch nearly noo-6nh in exported to lingland; a froph to the Liailed Nhaten; the remainder goen ehiefty to Auntrin, the flam Towna, Yrance, Jortugal, and Helgium.

The lnajuerta lotn linall may likewine lo entimned at nenrly RommonN. Of them alious hall woolrought from Eingland and its colondon to Finglinh ramis. Tho mont lmportant articlea aro cottous felenta wheb mmount to neary $1,300,000$.: next to thene are
 awl mwrought, bandwaro abl cutlery, hata, arm and ammunition,
 from the Ihrifah nalurion lis Siomlı Amerien: anif frou the IBritiah

the whole of this commeree is carried on hy vessels from Lonilon and Liverpool.

France monds to Brazil, chiefly from the ports of Harte and Brest, some artiole of fashion, trinkets, furniture, wax candlea, hata, dry fruita, some glass goods, and wiue From Ilolland and Ikelgium aro went beer, glam gools, limen, geneva, and pmeer; from Gerimay, IBolieminn glasn, linen, and iron and brase utonsils; from IRusia and Sweden, iron, copper utensils, sail-cloth, cords, ropes, and tur; from Portugal, wine, brandy, fruits, Iata, rad Europena manufactares from the United Stnten, considerable quantities of wheah, flour bincuits, somp, spermacoti candles, train-oil, tas, leather, bonrdw, pitch, potashes, and sonne rough ruticles of furniture nud canrse cotton cloth.

The maritime intercourse between I3razil and the neighbouring republios is not considerable. The most activo is that ourried on with Ibuenos Ayres, to which sugar, tapioca, and some other agricul tural products are sout, and whenco the Paraguay ten or unats is brought back.

Formerly an activo trade was carried on with the consts of Africa avowedly in silks, cottons, ivory, East India goods, \&c. ; but really in slaves, of whom in some years 40,000 were imported, chiefly firm Monguela, Cabinda, and Mozambiquo. And though beveral jears back the slave trado was by a treaty with England nomimally abolished, the traffic was continued with much activity in spite of the utmost excrtions of British cruisers. Roceutly however the Brazilisu government has appeared to he really desirous of putting an end to the detestable traffic. The Einperor of Brazil in his address on elosing the session of the Legislative Assembly, October 25th, 1853, sail My government will coutinue tho repression of tho slave trado with euergy and persoveranco." If this bo done it is but reasouable to auticipate that the traffic will soon be greatly lessened, if not wholly suppressod.
Government, dec-In October, 1522, Brazil was declared au independent state, and the Priuce Regent was proclaimed Einperor of Brazil under the title of Pedro I. The deputies of the several provinces met on the 3rd of May, 1823, the anuiversary of the diseovery of Brazil, and adopted the title of General Assomhly or Brazil (Assem blea Geral do Brasil). They appointed a committee for drawing upa constitution, which was done by the $30 \mathrm{th}_{\mathrm{h}}$ of August; but the constitution contained several provisions to which the emperor ohjected. The mectings of the assemhly becoming more and more turhulent the emperor finally dissolved it on the 12th of November, and called another assembly. In the meantime be caused a now constitution to he drawn up and publishod, which was afterwards accepted by the new assembly (1824). According to this instrument Brazil is an horeditary mouarchy, limited hy a popular assembly. Tho executive is in the hands of the emperor. The legislative body consists of two assemhlies, the Senate and the Chamber of Deputies. The Catholic faith is the religion of the state; all other Christians are tolerated, but are not allowed to build churches, or to perform divine aerviec in public. No important change has since been marle in this coustitution, but there have heen some innovations and modifications. One of the most important innovations consisted in the appointment, in Novemher, 1812, of a couucil of stato consisting of eight member who bold the office for life. Thoy are the immediate advisers of the emperor, and are responsible equally with the regular ministers to the Geueral Assombly. The emperor is irresponsible. In caso of failure of issue in the reguant dynasty a successor is to be chosen by the General Assembly, the initiative being in the Chamber of Deputics. I'he regular ministry consists of a president of the council, and ministers of the finances, the interior, of justice, foreign affains, of war, and of anarine. The emperor may creato titles of nohility, but these titles are not bereditary. The members of both the houses of assembly are chosen by the provinces: the senators for life; the renresentatives for a temporary period. The Senate is composed of half an many menbers ns the Chamber of Deputies: the Senate consists at present of 55 senators; the Clamber of Deputies of 112 representatives The lmposition of taxes and the regulation of all mntters of finnnce belong to the Chamber of Deputies; the deterniniug of the numbern, \&C., of the army and the navy; as well as whatever reapecta the general government, dc. Tho judicnture oonsists of a supreme court, a court of appeal, common Inw, municipal and orphan courth, tho judges of which are appointed by the crown, and of justices of the peace who are elected by the pooplo.

For ceclesiastical purpones Brazil in dividod into an archbibhopric Bahla, and nino bishopricn, Cuyab\{, Goynz, Maranhāo, Minns Geraes, ['ark, Pernambuco, S. Paulo, Rio Grando do Sul, and Rio de Janciro In educational matters the country is very backwasl. Primary * chools for gratuitous elementary instruction have been established by the genoral governmenta thruughont every 1 rovinco, and grammas or Latin selooln in noat towns of any mize; but thoy hare litherto been very lnefficient, partly from the difliculty of obtaining duly qualified manters at tho inadequato salaries provided for their suppost ly tho provincinl governmenta, and partly from the general disinelination of tho people to arail thennelves of the achools.

The total revenne of Bracil for the year $1853-4$ is estinated at about 3,594,700l, (32,353,000 snilreis), the expenditure at $3,292,6302$. ( $25,633,700$ milreis). The reveuue is ehiolly derived from tho lieavy
at valorem duty charged on all articles imported into Brazil (amounting in $1851-2$ to $2,814,4432$.), a low duty eharged on the articles exported (amounting in $1851-2$ to $503,070$. .), and rents, royalties ou mines, \&c. The estimated expenditure for $1853-4$ is thus distributed :-


The total unredeemed public debt amounts to about $15,000,000 l$.
The Brazilian army numbers about 65,000 men. Of thesc the regular army consists of 22,540 officers and privates (including 3727 cavalry and $35 S 2$ artillery); the remainder are militia. The nary consists (1853) of 1 frigate of 50 guns, 5 corvettes, 5 brigs, and 9 schooners carrying together 188 guns, and 4 smaller ressels carrying together 27 guns; 10 steamers mounting 36 gnns; with various unsrmed shijs and steamers, and a frigate and a corvette building.
The provinces have the management of their own local affairs. Each province has its president appointed by the crown, and its provincial house of assembly, the members of which are elected by the people.
Mistory.-Brazil was discovered in the first year of the sixteenth century. The voyages of Colnmbus and Vasco do Gama, who first sailed across extcnsive seas, had taught navigators to adopt the practice of entering at once upon the open ocean. Accordingly Pedro Alvares de Cabral, who, after the return of Vasco de Gama, was sent by the king of Portugal with a large nary to the East Indies, directed his course from the Cape Verde Islands to the south-west, and was carried by the equatorial current so far to the west that he found himself very unexpectedly in sight of land in $10^{\circ} \mathrm{S}$. lat. This country was Brazil, which he saw first on the 3rd of May, 1500 . He sailed along the coast as far as Porto Seguro ( $16^{\circ} \mathrm{S}$. lat.), where he landed and took possession. He sent an account of his discovery to Lisbon, and continued his voyage to India. The king afterwards sent Amerigo Vespucci, a Florentine, to examine the country, who took a rapid survey of nearly the whole of its shores, and upon his return publisher an account of it, with a map. To this publication this navigator is indebted for the honour of having given his Christian name to the new continent.

Vespucci, and others who were sent somewhat later, reported that the country was not cultivated, and did not offer any great commercial advantages, hut that they had found extensive forests of Brszilwood, of which they brought some cargoes to Portugal. This was not sufficient to induce the l'ortuguese to form a settlement, especially as they were then actively engaged in their conquests in the East Indies; but it was quite enough to induce mercantile speculators to send their ressels for the dye-wood. This trade continued for some years, and the merchants of other nations, especially the French, began to follow the example of the Portuguese. The Portnguese govermment considered this as a violation of their rights as discoverers of the country, and they accordingly began to think of forning a permanent establishment. King John III. however, on calculating the expenses necessary for such an undertaking, thought it moro advantagcous to invest somo of the rickest noble families of Portugal with tho property of extensive tracts of coast, for the mirpose of colonising them with Portuguese subjects. Accordingly, about ten or twelve Portuguese noblemen obtained the property each of about 100 leagues of coast, and 40 or 50 lcagues inland. These proprictors were called donotarios. Most of them made great sacrifices, and underwent much fatisue and danger in forming settlcments in Brazil. The tomas of S. Vincent, Espirito Santo, Porto Seguro, and Pernambuco were founded hy them between 1531 and 1545 . But it suon became evident that the private fortune of thess aoblemen was not sdequate to the cstablishment of such settlements in an uncultivated country, and in the neighbourhood of warlike savage nations. The king therefore scnt, in 1549, as governor to Brazil, Thome de Sousa, who founded the town of Bahia in the bay of Todos os Santos, and established a regular colonial administration. The government gradually found means to acquire the property of the colonies then existing from the donotarios, either by purchase or by exchange.

Before the religious divisions in England began to people the coasts of North America, the Protestants of France made a similar attempt in Brazil. A colony of French Protestanta was established in 1555, on an inland iu the bay of Rio Janeiro, by Nicolas Durand de Villegagnon, bnt it mona fell into anarchy. The Portuguese attacked it in 1565, and expelled the French, though not without encountering considerable resistnnce. On this occamion the town of Rio Janeiro was founded by the Portuguese.

On the death of King Selrastinn, when Portugal was united to Spain $(1580)$, the numerous enemies of the latter country began to annoy Brazil, among whom the English, under Thomas Cavendish, were the mont active. They did not however form any settlement. The French nade a second attempt in 1612 to settle on the inland of Maranhăo, OEOO. DIV, YOL, 38.
where they founded the town of San Luiz de Maranhāo, but iu 1615 they were compelled to abandon it to the Portuguese. The Dutch were more formidable enemies to the Portugucse. Their East India Company had already taken from them many settlements in the Indiau seas, and their West India Company was thus invited to similar attempts in America. In 1623 they seut a fleet to Brazil, which took Bahia, then the capital of the country; but it was lost again in 1625. In 1629 the Dutch made another attempt, and possessed themselves of Pernambuco, from which the Portuguese were unable to dislodge them. They aftcrwards extended their conquests till they held in 1643 the province of Seregipe and the whole of Brazil north of the Rio. Francesco, with the exception of Para. A few years later however the settlers of Portuguese origin rose upon them and drove them out of province after province, till at last the Dutch were confined to the town of Pernambuco, from which also they were expelled in 1654 By the peace of 1660 the Dutch renounced their claims on these countries.

At that time the nuneral riches of Brazil were not known. The town of S. Paulo had been founded by some Portuguese in 1620, who had ascended to the table-land of the Parand from the town of St. Vincent, and becn induced to settle there on account of its fine climate. The adventurers established a kind of democratic govern ment, and made frequent incursious among the savage uations for the purpose of capturing them and using them as slaves. In these excursions, towards the end of the 17 th century, they discovered the mines of S. Paulo; and near Sabard, on the Rio das Velhas, in 1700 the richer mines at Villa Rica; and in 1713 those of Marianna. The mines st Cuyaba and Goyaz were discovered between 1715 and 1720 The existence of diamonds in the Rio Icquetinhonha was not known before 1728. These discoveries, and the riches which government dcrived from the mincs, induced it to remove the administration of the colony from Bahia to Rio S. Janeiro in 1773.

The goverument of Brazil by the Portuguese was of the most exclusive character, and led to a coustantly growing dissatisfaction on the part of the bulk of the inhabitants. Foreign vessels were not permitted to enter the ports of Brazil, nor the Brazilians to send thei commodities to any other country than Portugal. This of course caused discontent among the merchants. Further, the natives of Portugal who had emigrated to the colony constituted a privilcged class, being exclusively entitled to all posts of honour and all lucrative employments under government, which naturally excited dissatisfaction annong the rich descendants of the Portuguese. This dissatisfaction began to generate a wish for change as soon as the United States of North America had obtaincd their independence; and events in Europe took such a turn that Brazil obtained its object almost without hloodshed or war. When Bonaparte had formed his scheme for taking possession of tho Peuinsula, he began by declaring war against Portugal, upon which the royul family left Europe for Brazil, where they arrived 22ud January, 1808. Considering Brazil as the principal part of his remaining dominions, King John VI. began to improve its condition by placing the administration on a more regular footing and throwing open its ports to all nations. On the fall of Bonaparte, the lang raised Brazil to the rank of a kiugdom, and assumed the title of King of Portugal, Algarve, and Brazil. The royal family remained in Brazil until the king was obliged to returr to Europe by the revolution which took place in Portugal in 1820, by which the constitution of Spain had been adopted in that kiugdom also. The news of that event had hardly reached Brazil when the same constitution was proclaimed by the iuhabitants in the town of Pernambuco, and soon afterwards in Bahia aud Parí. It was feared that similar measures would be taken in Rio Janeiro, and accordingly the king found it expedient to proclaim the constitution himself on the 26 th of Tebruary, 1821, soon after which he sailed for Lisbon, leaving at the head of the administration in Brazil, Pedro his eldcst son and successor, as lieutenant and regent. The Cortes of Portugal did not conceal their design of restoring the old relations with Brazil, by which its commerce was restricted to the mother country; and they did not treat the deputies from Brazil quite as well as they should have done. This of course increased the discoutent of the Brazilians, and prepared the way for the independence of that country.

The Cortcs in Portugal continued their course of policy. They formed a scheme for a new organisation of the administrstion in Brazil, and recalled the Princo Regent. But the prince, induced by the representations of the Brazilians, refused to obey their orders, and sent tho Portuguese troops stationed at Peruambuco and Rio Janciro to Europc. The Portuguese commandant of Bahia however did not yield; he expelled the militia and remained master of the town. This step was decisive, and immediately followed by others. On the 13th of May the Prince legent was proclaimed protector and perpetual defender of Brazil. The Gencral Procurators (Procuradores geraes) of the provinces were assembled by the Prince Regent to consult on the new form of government, but they declared that they were not competent to such a task, and proposed the convocation of deputies chosen by the people, to which the prince acceded after a short delay. As the Cortes in Portugal still persisted in their design it was thought neccssary to declare the independenco of Brazil, and the Prince Regent did not venture to oppose the torrent of publie opinion. Accordingly on the 12th of October, 1822, Brazil was declared an independent state, and
ibe mineon asoptal the title of Pimperor of thrait: on the lat of thentaler be wat eromuel.

Ao then step might be coasoidesod a declaration of war againat Purtural, proparntiese for hostilities wore immodintely inaila. The
 Thar Thaia whe beotigd by the Bruxilian forem, and aner a fow moela the garrion wa obligell to almiston it, upon the appoarance of the edminf of Bravil, I ned Cochrane, hefure the harbour. The adrairal alen comp pinlal the surrimone of Maranhao and Purs to mit for Europe.
 of hood than what wook plooe is the town of hahin.

A liemonal Amerobly of deputien from the provinces was callel to conatler tbe dran of a conotitution, but an they refusel to frume one to whilh the emperor wuald agree, be dinolvel them in November, 1885 , and a few dnge aner problished a conotitution, which as alroady athend. Wm moceptal and confirnel by the new General Anombly compotel is the early pert of 1924. The independence of Brazil was acknowlenlgal by Portugal in 1925.

In ISO6 imo eventa took place which gave rise to great discontent, the deeth of King John VI., and the war with Buenos Agres, for the setmelfot of Monte V'ideo an a part of the Brazilian ompire. By the docten of the king. Portugal derolved on the emperor of 1razil, and the Ifruxiliasa agnin alprebended that they might be placed in a state of dereonemon on that oountry. To removo such fears, Pedro declared Lio daughter Maria queen of Portugnl, Intending to marry her to his brother Nigruel. I'ence wan conchidel with Buenos Ayres in 1828, and Xonte V'ideo became the independent republic of Uruguay. But the internal peace of the country was not ro-satablished. Frequent disputes arone between the Chaniber of Deputies and the emperor, and nometimen grast disturbance occurred in Rio Janeiro. In the spring of 1531, one of thene disputes assumed a form of more than common seriounseas in consequence of the errperor refusing to dismiss some uppopular ministers On the 6th of April a tumultnous populace baring anmemblal before the palace, the omperor ordered the military to disperie them. This they refused to do, and the emperor issuod a prochanation by which be abdicated the throne iu farour of his son, Polro 1L, the present emperor.

At thin time the young emperor was only in his sixth rear. The Chamber of Deputiee at onco took a more decided lead in the governmone. They mppointel a mgency of three persons; and fixed the Crraisation of the emperoris minority on his reaching the age of 18 yeand Diaturbancea and rerolutionnry movementa broke out succesfively in rarioun parta of the empire during several following years. Moof of them however were directel agnainst the power of the Cbamber of Deputien which was regarled with general diatrust. The regency wao in 1931 limited to ono pernon. In 1841 the desire for the termimotion of the ragency, wibich hat been long growing, found rent in a popnular raing, which the goverument wan unable to resist; and on the 23 rid of July, tho young emperor, then only in his fifteenth gear, mondechared by tho swombly to hare attrined his majority and to the full esercino of hin conantitutional prerogatives. Siuce that time there hevo been varioun outbrenks in different parta of the ompire, mono directed againat the provincinl goverumenta, some with a view to emet one or otber of the prorincen into a republic, and mome directed egumat the mearuren or the ministern of the imperial government; Lus on the wholl Brazil han during the last fow gears had more fatorand tranquillity and cotzoquentiy been more prosperous than any other of tho statess of South America. The mont importaut of the freign difereaces in which liraxil lana been engagod wan the long protmend war with Buenos Ayres, which led $\ln 1851$ to the fall of frome, and ereatually in the oprening of the lio Parnnk.
(ilyree de Camal, Canografia Branilica; Ťrarele of Spix and Martius; Fechwege. Mo! Mreriliensis: Hischwoge, Gdargikude Brasiliens
 Anentios: Wieach, Brasilione ysyenwürtiger Zuatand; Trards of Mawe. Cahlelowah, Graham. Oandner, Kitder, St. 11ihiro, Prince Alablert, Walleco, da; and Southey' and Armitage's Hiatories of Aresch)

## BHEADAILBANE [PTrathananz]

mirichisi, Forfamhime Sootlanil, a myal burgh in the parinh of


 and 631 mile by tho Ahmiena milway. The propulation of the royal Larabin IEII wa 4815, that of the parlinmentary burgh wan $663 \%$. The barat fo Emanel ly 2 baitien and 11 councillors, one of whom begrovet, and he conjumetion with 3fontrome, Arbmath, Forfar, a lonertivio (MmaviR), return one memhor to Alin Imperinl Par. Trut
 firne the mane lo a diname foubdel and entlowed by Darid I. about 11sa. In the ufyr part if the town arat the ruing of the nneieut ebapel of Nowa Ihera, now unol ma atalite In the churchyand near the ceabedral there in a mound cower, nimilar to the round towern Thes cower to alre 100 feet bigho. and in constructal of hewno ntone: the mortmotabip ha oxclleme it in surnommet with a emoical roof of criy clote: eat thero in to appeannece of there orer having been a
ataircene within it. The eathedral, the western end of which is now uned ns the parish church of Brechin, was built hy David 1, in the 12 th century. Brechin Castlo stands on the top of a precipice, aud is separated from tho town on the eant and west by a deep ravino; its south bnse is washed ly the South Hisk, which hero forms a finc sheet of water. In this cantlaSir Thomas Mnule defied the forces of Eidward 111. until ho was killed hy a stone thrown by an ongine, when the garrison murrendered. It in now the residence of Lord l'mumure. The townhouse, sear the crose or inarket-place in the middle of the town, conLains a court-room and prison, two rooms for the meetings of council, and a guild hall. Three schoolrooma, built by subscription, aro in the west end of the town. Besides the parish church and a chapel-of-ense, there are chapels in connection with the Free Church, the United 1resbyterinn Syuod, the Scottish Episcopal Cluurch, nud other Dis. sentere. The hospital of the 'Maison. Dieu' gires a small weekly allowance to poor residenters, widows, and chilkreu of burghers. There is a school connected with it. The rector of the academy and preceptor of Maison Dieu has $52 \%$. 10s a year, besides fees from scholars. The number of scholars learning Latin in $1 \$ 51$ wns 38. Spinning, wearing, and bleaching afiord occupation to some extent. Several hundred persons in the town are employed in the linen trade. Distilleries, lime-worka, freestonc-quarries, and nursery-grounds aro in the ricinity. There are two bridges over the lisk at Brechin.

BRECKNOCK, or BRECON, called by the Welsh 'Aber llonddu,' or the Mouth of the llonddu, the capital town of Breckuockshire, a municipal borongh, and the sent of a Poor-Law Union, is situated in an open valley at the coufluence of the rivers Usk, Honddu, and Tarell, in $51^{\circ} 57^{\prime}$ N. $\ln \mathrm{L}, 3^{\circ} 22^{\prime}$ W. long., distant 171 miles W.N.W. from Loudon. Brecknock is governed by 4 aldermen and 12 councillors, one of whom is mayor, and returns one member to the Imperial Parliament. Tho population of the municipal borough in 1851 was 5673; that of the parliamentary borough was 6070 . The livings of the two parishes are vicarages in the archdeaconry of Brecon and diocesc of St. David'R Brocknock Poor-Law Union contains 42 parishes and townships, with a population in 1851 of 18,160.
Brecknock is built on both sides of the Honddu, aud cxtends along the left bank of the river Usk. The castle was bnilt A.D. 1094, by Barnard Newmarch, a relative of William the Conqueror, who wrestel the county from the Welsh princes, and here fortified himself, that he might the better maintain the rights which had been granted to him as Lord of Brecon. It was considerably incrensed and improsel by the last Humphrey de Bohun, earl of Hereford, higlt constable of Eughand and governor of Brecknock. Parts of several towers, includiug that called 'Ely Tower,' in which Morton was confined, still exish The situation is commanding for the purposes of warfare: the main part of the fortifications may still be traced. Two priories, the onn Beuedictine and the other Dominican, were also fouluded by Bomard Newmarch in the reigu of IIenry 1. The first is uow the parish church of St. John's, called the Priory church; the becond was converted into a college by Henry V111. The Priory church stands in the northeru part of the town, adjoining the precinct of the priory, where there is a benutiful promenale by the sille of the river lionddu. The church is built in the form of a cross, from the centrn of which rises an cmbattled tower. The Dominican convent, now the college, is situated nenr Linnfacs clurch, or St. Dnvid's church, on the right bank of the Usk. There are two places of woralip for ladependents, and three for Raptists : ono of each denomination having the religious services conducted in the W'clsh language. There are several achools, namely, the College school, founded in 1551, which lian an income from endowment of $32 h_{\text {a a year, and had } 25 \text { acholars in 1851; Bongh- }}^{\text {a }}$ rond Charity school, recently enlarged ; two lBritish echools; and a Girls' and 1nfants' school, erceted in 1849. There are in the town n mechanics' liternry and scieutific institute, a young men's mutunt improveruent socioty, s savings bank, and nn infirmary. The town is lighted with gns.

Brecknock occupice a healthy and picturesque situation. There are three stove bridges over the llouddn, and one over the Usk. A new shire-hall has been built, and the old townhall converted into an nancombly-rooin. The Lent and summer nasizes are held in Brecknock. The county jail is situated in the town. A county court is held at 13recknock. There are barracks, in which detachments of infantry and cavalry are quartered. Coal is brought along tho canal at a modernte prico. Flanuel and coarae woollen clothe are manufactured to a mmall oxtent : hats of a middling quality are made. The town is chiefly dependent on the ngricultural distriet aronud. The market-lags aro Welnenday and Friday: the fairs, which are held in March, May, Juls, Septomber, and November, are well anpplied with corn, cattle, egga, and poultry, of which last nu ninudance is raared by tho neighbouring farmers and cottagers. Opposite the town are three mountrin-peakn, known an the Breckucck lencous, the highest of which in 2862 foet above the level of the rea

B1RECKNOCKSHIRF, an iuland county of South Wales, Iying betreen $61^{\circ} 54^{\prime}$ and $52^{\circ} 17^{\prime}$ N. lat., and $3^{\circ} 0^{\prime}$ and $3^{\circ} 48^{\prime} \mathrm{W}$. long., is bounded N.. by Cardigannhire aud 1 Rulnorshire, from which lntter county it is for the most part separated hy the rivers Claerwen, Elan, and Wyo; W. by Cardiganahiro and Cnermarthenshire; S. by Glamorganaire and Moumouthahire; and E. by Monmouthshire and 11 erofordshire. This county extends from north to south 35 miles,
and from east to west about 30 miles. Brecknock is the county town. The area of the county is near 754 square miles. The population in 1831 amounted to 47,763 ; in 1841 it was 55,603 ; in 1851 it was 61,474 . Brecknockshire was anciently called Garthmadrin, or the ' fox-hold,' and derives its preseut name from Brychan, a Welsh prince, who lived in the 5 th century.

Surface, Hydrography, and Communications.-The surface of this county is extremely irregular, the valleys are dcep, and the mountains the highest in South Wales. It is intersected on the north and south by two long ranges of mountains: that on the north goes by the general name of 'Epynt,' an obsolete British word for a hill; the other range, beginning with the Caermarthen Beacons, runs nearly parallel to the Epynt Hills, and inclining more towards the south, terminates in Monmouthshire. Bctwcen these two chainsa third, which is called the Black Mountains, rises abruptly near Talgarth. Another line branelees across in a direction from north to south, about eight miles below Brecknock, dividing the hundred of Devynnock from the hundreds of Talgarth and Penkelly. The highest nountains in Brecknockshire are-the Brecknock Beacons, about three miles south-west of Brecknock, which are 2562 fect above tho level of the sea; Capellante, which is 2394 feet abuve the level of tho sea; Pen Cader, or the 'Cradle Mountain,' 2545 fcet above the level of the sea; and Dwggan, near Builth, which is 2071 feet above tho sea. Tho principal rivers are the Wye, which flows along the north-eastern side of the county, separating it from the county of Radnor; tho Usk, which rises in the Caermarthenshire Fan, about five niles from Trecastle; the Honddu, which rises in Drum-dhu, and falls into the Usk at Brecknock; the Erfon, which rises in Bryn-garw, in the north-west boundary of the county, and falls into the Wye about a mile above Builth; the Elan, the Claerwen, and the Tawe. The Tarell also, a small river rising in Bryn-du, joins the Usk a little above Brecknock, and the Taf Fechan, a small, and Taf Fawr, a largo river, which rise in different parts of the south declivity of the Brecknock Beacons, unite into a considerable stream-the Taf-at the south boundary of the county, near Cyfarthfa Park. None of these streams are navigable. To facilitato the couveyance of goods from Brecknock to Newport, a canal capable of conveying boats of 24 toms was finished in 1811 at a cost of 170,000 .; a railroad was soou after mado from Brecknock to Hay, and from thence to Kington and the limerocks near Old Radnor. The Swansea Canal enters for a short distance the south-west part of the county. The mountains Mynydd Llangynidr, and Mynydd Pen Cyrn, ncar the Clydach, at the south boundary of Brecknockshire and Monmoutlishire, are intersected by many railroads, which communicate with the various collicries and iron-works. Two branches descend into the vale of Usk, so as to form a connection with the Crickhowell Canal; the one near Tal-y-bout, the other near Llangattock. A long line of railroad also begins uear tho ninth milestoue on tho Brecknock and Trecastlo rond, and passing up the valley of Forest Fawr to tho east of the river Tawe, and nearly parallel to it, cornmunicates with Drim Colliery, and finally with the Swansea Canal. About five miles E.S.E. from Brecknock is situated Llsn-Safaddu, or Llaugorse Pool, a sheet of water two iniles long and in some places a mile in breadth. It abounds in fish, and in winter is much frequented by wild fowl. In 1235 permission was granted to the monks of Brecknock to fish in this lake three duys in the week, and cvery day in Lent, provided they only used one boat. The other lakes in this county are Llyn Van Vawr, under the Brecknock Beacons, about four miles from Bivery; Llyn Carw, about six nilen from Llanwrtyd; and Pwl Bivery, uear Capel Calwen, southcast of Mount Capellantc. The scencry in this county is extremely beautiful. The extensive views from the mountains, the abrupt outline of the Brecknock Beacons, the undulating surface, frequently clothed with woods and intersected by torrents, from their expanse, their variety, and their wildness, are very striking to the admairers of the pictnresque.

The principal roads are from Trecastle, through Brecknock to Crickhowell, whicll is travelled by tho Caermarthen and London mail; that from Brecknock to Hay; also the roads from Brecknock to Merthyr, and from Builth to Hay. These as well as the less important thoronghfares through the county have in lato years been 5reatly improved. Lincs of communieation of great public utility have been opened between Hay, Talgarth, and Crickhowell; and between Brecknock and Builth.

Geology.-The geology of this district has occupied the attention of that able geologist, Sir R. I. Murchison. The oldest rocks which occupy tho west of Brecknockshire consist of grauwacke slates; a reraarkable line of trap and porphyry breaks through the rocks of this ago, extending from Llanwrtyd for abont four miles to the north-north-east. Between these old rocks and tho escarpment of Mynydd Epynt and Mynydd Bwlch y Groes, the transition-rock are displayed; the uppermost consisting of that which Sir R. I. Murchison has described as the Ludlow rock, which there passea np into the old red sandstono. These transition rocks, which in Shropshire and Radnorshire contain thick masses of lime, are throughout the whole of their range in Brecknockshire remarkably void of limestone. The great mass of the county, especially the central and south-east district, consints of the old rerl randstonc, which has boen shown by Sir R. I. Murchison to bo divisible into three sub-formations:-1. A lower
zone of tile-stones, remarkably exhibited along the rectilineal escarpment of Mynydd Bwlch y Groes, extending into Caermarthenshire. 2. A central portion of marls, concretionary limestones (locally called 'cornstones'), sandstones, \&c. 3. The upper portion of sandstone and conglomerate; this upper portion, occupying the summits of the Fans (Beacons) of Brecknock, and other lofty mountains between Brecknock and Abergavenny, is by its inclination carried under the whole of the great productive South Welsh coal-field. The remainder belongs to the Silurian system of Murchison. We thus see that the whole of the district to the north-west of this tract of country lies beneath the carboniferous series.

The mineral springs at Builth and at Llanwrtyd rise in the silicifed and hardened schists, at points where they are penetrated by traprocks. Their origin is considered to be due to the decomposition of the vast quantities of sulphuret of iron which are collected at such points. With the exception of the strata containing iron and coal, which, though for the most part in Monnotrushire, in somo places cross the boundary of Brecknockshire, there are no mines or minerals is this county worthy of potice. Some traces of copper-ore have been found in the old red sandstone, which upon trial have proved to be unprofitable. One of the most remarkable fatures in the geology of Brecknockshire is a peninsula of transition rocks, which is thrown up from north-east to sonth-west, ranging from Erwood on the Wye to the rocky promontory of Corn y Fan, five miles north from Brecon.

Climate, Soil, dec.-Tho climate varies cousiderably, according to the elevation and exposure. In the neighbourhood of the Brecknock Beacons, the Black Mountains, and the elevated districts between Trecastle and Builth, the wind, the snow, the cold, and continual rains, are often severely felt, by which the crops are injured, and the harvests retarded; the lower valleys are comparatively warm. The country is subject to much rain, but the air is on the whole bracing, and the population healthy. The soil in the hundred of Talgarth and Crickhowell is more favourable to cultivation than in any other part of this county. Wheat is here grown in considerable quantities; and there are orchards, from which good cider is frequently manufactured. In the hundred of Devynnock, and perhaps more so in that of Builth, where there is much cold wet clay, barley and oats are the grain crops chiefly cultivated by the farmers. Agriculture throughout the county has considerably improved during the last fifty years; partly through the exertious of an agricultural society, one of the carlicst in tho island, which was established in 1755 , by Mr. Powell of Castle Madoc. In the highlands are bred small black and brindled cattle, horses, ponies, and good hill-sheep, whose wool though finer than that of tho neighbouring county is nut so suitable for the manufacture of flannel. In the lowlands the Herefordshire breed of cattlo predominates. The ewes are brought down from the hills in winter, and are not taken back until the cold wcather has ceased and the lambs are strong enough to bear exposure.

Divisions, Toons, dec.-Brecknockshire, exclusive of the borough of Brecknock, is divided into six hundreds: Builth, Crickhowell, Deryunock, Merthyr, Penkelly, and Talgarth. It contains 66 parishes, with 73 churches and chapels. The market-towns are Brecknock, the only corporate town within the county, Cuckiowell, which stands upon the rich banks of the. Usk, and Builiza and HAY, whirh occupy two picturesque situations on the Wye. Theso will be noticed under their scveral heads.
A few of the more important villages may be briefly noticed here. Bronllys, or Bryn-llys, 7 miles N.E. from Brecknock, is on the highroad, about midway between Brecknock and Hay. Here is a building of considerable antiquity, somewhat resembling iu appearance one of the Irish round towers which has lost its upper part. Crickadarm, 10 miles N. by E. from Brecknock, stands on the right bank of the Wye: the population of the parish in 1851 was 414. Tho church is a small building of ancient date, and has a massive tower. Tho scencry about Crickadarn is very picturesque, especially along the Clettwr, which in its course through Crickadarn to tho Wye flows through a deep and richly wooded dingle. Devynnock, on tho right bank of the Usk, 9 miles W. from Brecknock: the population of the parish in 1851 was 1969. The village lies in the Vale of Senni. The church is spacious; it is of the perpendicular style and date, except the tower, which is older. The Calvinistic Methodists and Independents have places of worship. There are an endowed Freo School and some almehouses. Fairs are held in April, May, August, October and November. Ou the Senni was auciently a strong fortress, knowu as Castell D0, or the 'Black Castle.' Heury IV. stayed somo time at Derynnock, whence was dated a proclamation of pardon to the Wolshmen who were willing to submit. In No parish are several carneddau, or cairns, and other primeval remains. Cerrig duon, or the 'Black stones,' a stone circle, is a short distance from the village. Llangammarch by the Vale of Llanwrtyd, 14 miles N.N.W. from Brecknock: the population in 1851 was 1038. The village is chiefly noticcablo for a large circular British camp, which is still traceable. The Irwen is much resorted to by anglers, Llangammarch was tho birthplace of the Rev. Theophilus Jones, the historian of Brecknockshire. The Vale of Llanwrtyd affords scenery of uncommon beauty and grandcur. Llangattock, or the Church of St. Gattook, 12 miles S.E. from Brecknock, is situated ou the right bunk of the Usk,
oppouto to the 1 wra of Crickhownell : populakion of tho parinh 5615 is N1. If han a rery meat ancient durch of the deaornted otyle, and as iodepmolotet chapel. In the pariah are extemive iron-works, ant ato lumecton puerrica. Tho Frocknook and Abergavenuy Cand pawn throuct the tillege Mnny comerna end other early artingutuen in in the estherarhood. There aro aume rather otarular caven Tho moesery io very otriting. Uasally is a parochial chapelfy of whoh thaypattuck in tho mother church. it liee on the evel of BLergatenok: the propulation in 1681 was D644, whowing an fromen stere 1511 of 22-5, attributest to the fourishing Etate of the
 mill, 10 miles $\mathrm{K}_{6}$ hr $\&$ froen Prwacknock, population of the parinh 1006 in 181. se beliered to hare been thoman atation. The remainn of
 2 leralily prefich 18 omon colum have been fousd here. Tlio cluurch of C'radu in rweent, with the exception of the tower. INangorse, 6 mine FLRF. from Brecknock : papulation 101 in 1851 . The durch in ascicat, with a ower oontaining ix musical belle, whose sound oTer ise aljanosis inke, ilyn-Safidhu, in greatly almirod. Tho Calrimatic Xrehmlises and lhapints have placas of worahip. There ane mene parochinl charition IJyndinfaldn in oflen called langorso Pool, on acomunt of ite proximity to the village. Llangynidr, on the mett luak of the l"ak, \& ruile Sit: from llrocknock : population of the parinh 3216 ha 1851 . Wevides the pariah church it contains placen of rombip lelouging to the Methodirta, Independenta, nad Baptists. Then aso motno prochial charities. The inhabitants are largely oocupied in irum-works, conl-mines, and linewtone quarries. The Procanuck am Abergavenny Canal pasee throngh the parish; fairs are Lell! is April, October, and Deceluber. Dysuce, on the right trak of the Wre, S miles Ni.N.F. from Brecknock: population of the parish 285 in 1851 . The litele church is picturesquely situated cleme by the Wye The villnge itaelf is a pour place, although here min anciently ono of the ramitencen of the nntive princes of Wales Linnsecel Chate. In thin parish, was erected in the 1; th century. The grous le of Llangnel Castle lie along the Wje for about two miles, and loeth loy elio river and on the heights afford scenes of surpassing beaty. Ihyeelt, on tho urper part of the Lisk, 11 miles If. from Thecknock, pupulation of the parish $162 \overline{7}^{\circ}$ in 1851 , possenses an ancicnt and mether intercating church; there is an endowed chapel-of-ane at Ilbgel-g. lriw. Tho Calvinintic Mothodists and Iudependents have charelo bern Talgorth, S miles N. lin froun Breeknock, a considerable villach formerly a borough and market-town: population of the pernh 182 s io lesi. Tho church is a much better one than Welsh churches nuxally are. Thero are some Dissenting chapels. Trecustle, a manl of lidy well [arinh, gropulation 2 it in 1831 , is a good-sizen rillege, wilh an inn much reortol to by tourists; the eceuery here is remarlal Ir pict unamue, and there are some remains of Carreg Cennen C'atse, which anool on atoep and lofty rock above tho river Cennen. Tmoner rillago is a parcel of the parish of Llanfihangel-ewm-du, 8 mille $\mathcal{E B}$ from Brestucok: ropulation of the parcel of Tretower 201 in le $\$ 1$. Tho chiel aliject of interest is the enstle, which is of Sorman diate, last fow a mere ruin. It bolongs to the Duke of Lieature

Incivion for Eecheriamical amil Legal Purposen-This counts is whotls ia the aroladenconry of l3recon, liocene of Sh Davidia, and parimo of Catabebury. In ita 60 prriwhos there aro 23 rectorien, 16 ricaragen, and tho romalnder perpethal cumrien Tho amazes aro bold at lirocknock by the jadge attenuling the South Welah circuit. Camanty orurte art beld at Hrocknock, Builth. Crickhowell, and IYay. Jereknockahin retarus one ueuber to tho Imperial l'arliameut
lireckpockhire in dirifed by the loor-law Commiasioncrs into four Liminan- linweknock, Juilth, Criekhowell, and Hay: these Unions horlould If parimben end townoblpm, with a pophlation in 1851 of $62,13 \%$ : Int the toundarien of the Union aro not exactly coequal with chate of the county. There wha only one maringe bank in the conably in $18 \% 1$. It wen at Irrecknock, and tho lotal amount owiog to deprentin on Sovemier $20 \mathrm{th} 1851 \mathrm{wan} 23,0711.12 .20$.
thenpetions of the ${ }^{\prime}$ rople Tho manufacturen of thin county are for and comportent cexcept that of iron, which enpployn many Anada. Mamol and cotber woonlen goolla, much an baizo, nud coarso clocka $f=$ tromert, arw worme in mereral muall factorice. The knitting of unotunga, bich wat furmerly prmetimed to a groat extent by the cries of the eovmsy, is now lom froquent Wowen ntockinge, t b leoo durnhle, are no much chonger an whare greatly diminished than brawerk of induelry.

Crif Jfiwny and infurwitio. Hrockronek abim romained ln the
 pones af tholf maces of flrectnock siotwhthetanding the tigoroun whorla of, tho Weble in drive hime frmm the coumtr?, he anconelnd in
 inharita by biw enotolew, Stilo Vile Wialiar, emrl of llerefonl. Thuonl tio matoned lyy fons of his anac, in turn, and afterwarla by Ihal p de flrem, their limotherta law, wlio died nbotst 1160 , 1 le -a foiloweml by be Willime ile freoe, to whom the lownhalp 111. Sensmelat by Rita Joba la 1196 . Lifan the mocemion of llomry


with whom lio ben engaged in a confederncy against the English king. Lewellym, incenned nt this breach of faith, laid eiego to Brecknock, which wan howorcr npared at the earnent intercession of the burgonson, leginalla and Llowellyn were aftorwards reconciled. Regimald died in 12:38, and was buried in the l'riory church at lineckaook Henry emrried on the war against Islowellyzn and his Welsh followern F.dward 1, coutinued the manguinary contest till 1252, when his mupplies having been intercepted, and his army haransed by tho king'a troopn, Hewellyn quitted his stroughold in Snowdon, ruarched towards Brecknock, nud, unaware of the desertion of his friends, was slain near Builth by cne Adan de Francton, who plunged a apear into his body. Islewellyn was burjed at a place now called Cefn-y-bedd (menning the back, or ridge of the grave), near Builth. In 1286 the lands of De Bohun, who had succeoded to the possessions of Do Breos in Ireckuockshire, were invaded and pillaged by the retainers of his late giarclian, Gilbert, earl of Gloueester, who licld the lordship of Glamorgan. De Bohun quickly retaliated upon the mon of Glamorgnnahire ; and for this feud the ling mentenced the two barous to forfeit for their respective lives the liberties of Breeknock and Glamorgan, and to be kept in custody during his pleasure. They afterwands compounded with the crown, Hereford for 1000, and Gloucester for 10,000 marka. Humphrey was a benefactor to thic monks, and augmenter of the libertics and privileges of the burgessen of Brecknock; ho died at llessy in 1298. He was zucceeded by hif cldest son, who, as an atoncment for his father's conduct, surreudered to the crown the earldoms of Hereford and Essex, together with the constableahip of England; and shortly after married Elizabeth, serenth daughter of Jidward 1., when the king, with certain remerva tions, restorcd to him his oftice and estates. After the disaffected barons had been defeated in the early part of the 1 thi century, the younger Despencer who was now constituted governor of Brecknock Castle, obtained the lordship and tho proporiy of the late Larl of Hereforl, who had been killed at the batlle fought at Boroughbridge in 1321. Upon the doath of the Despucucera, the confiscations con scquent on the rebellion were reversed, and the property restored to the family of the Iferefords, in the person of John de Bohun. This earl, after having been created knight of the bath, died in 1335 The lordship of brecknock remained in the family till the death of Willism the last of tho malc line of the noblc family of De Bohum The lordship of Brecknock now reverted to Henry 1V., who had married Mary, the dnughter of the last De Bohun. Henry IV. granted to the inhabitants of Brecknock an exemption from tolls and other payments, recewed the benefactions to the monks, aud gave them their first royal charter. After passiug through several hands Breck nock came ne nn inheritnuce to the youug duke of Buckingham, who lived in retirement withio the walls of lirecknock during the greater part of the reign of Edward IV. Ou the death of this king lowever he Icft his seclusion, and beame a conspicuous supporter of the Duke of Gloucester, until he was seated on the thronc. In reward for these services, Riclard made him governor of all his consles in Wales, and lord high constable of Englaud, with other lucrative and hououmble offices; he slso promised to restore to him all the lauds forfeited by the Bohnas, which would have made lim the richest and mnst powerful nobleman in England. These promises never were fulfilled; Buckingham, as is well kuown, couspired against tho king, took arms with his followers, but was taken, and ultimately executer at Salisbury without a trial. The Duko of Richmond afterwards prased through lirecknockshire, where he greatly increased tho number of his followers. As soon as he was established upon the throne, he restored to Fdwarl, the son of the last Duke of BuckIngham, the estates and titles of his father, and in 1504 made him high conetable of Fingland - the last person that over held that offica. He was afterwards sechsed of treason, and exceuted iu 1521. The dukedom of Buckingham was now extinet, and the lordship of Breck nock with its dependencies nerged in the crown. Upon the union of England and Wales, which took placo in 1534, in tho 26th year of the reign of Henry VIII., Brecknockshire became subject to Einglish laws and authorities, and its history from this time must be con vilered in conjunctlon with the general history of the kiugdom.

Brecknockshire abounde iu antiquitics. The principal castles have been at Brocknock, Builth, Crickhowell, and Hay; at which last place, After the dentruction of its first castle, of which nothing but an archway remaina, a second was buth in the roign of Elizabeth or Jamma 1., which is at this time inhabited. Besides these must be macuinned remains or tracos of castles at Trctower, near Criekhowell, at IBlanllyfin and Dimes, in the parish of Talgarth, at Trecastlc, and I'enkelly, at Broullya, where n well-proserved round tower is standing, aud at Cnerberin, in the parish of Llanganten. There are traces of Ifoman meampmeuta and of Britinls stations at various places in the couvty. Cronilecis, cairas, and tumuli, or mounds where the deal hare boon interrod, are found in many parte of the county ; which has also been intorsected by severnl lhomnn roads. The Welsh Ingguage, which wan formerly apoken throughout the whole of Brecknockslire, is now greatly disuned in the south and west portions of tho county. It is estimaterl that the Einglish language in spinken ordinarily ly uearly half the population.
HRLibA, \& town in the lutch province of North Brabant, is situnted at the confluence of the Merk and the Aa, 22 miles W. by
S. from Beis-le-Duc, in $51^{\circ} 35^{\prime} \mathrm{N} .1$ at., and $4^{\circ} 47^{\prime} \mathrm{E}$. long., and has about 13,000 inhabitants. It is a well-built strongly fortified town, surrounded by marahes, which in case of attack can be laid under water. Tho ramparts are planted with trees and form handsomo promenades. The streets are wide and well paved, and the houses well constructed. There are four squares. Several canals traverse the town. The quays are planted with trees. The castle, which is the principal building in the town, is surrounded by the Merk. It was originally built by the family of Schoten, whe held it with the title of Baren, in 1190. Breda afterwards came into the possession of the dukcs of Brahant; and in the beginning of the 15 th century passed by marriage to the house of Nassau. In 1567 it was anncxed by the Duke of Alba to the crown of Spain. In $15 \%$ the Spanisi garrison epened the gates to the cenfederates. Fonr years after, the town was treasonably delivered to the Duko of Parma; but it was retaken by stratagem in Mareh 1590 hy Prince Maurice of Nassath. In 1625 Breda yielded by capitulation to General Spinola, who commanded the troops of the Infanta Isabella. In 1637 the town again came into the poseession of the States-General of the Uniter Provinces, and was confirmed to them by the treaty of Westphalia. The French, under Dumenrier, took Breda in 1793. Charles II. of England resided in Breda during part of his exile.

The castle already mentioned was rebuilt in 1680 by William, Prince of Orange, afterwards William 1II. of England. The arsenal and the great market-place are among the chief ornaments of the town. The principal Pretestant church is an elegant building, with a spire 362 feet high: it contains a fine monument to Engelhort of Nassatu, a general of Charles V. There are besides another Protestant chureh, and four Reman Catholic churches, as well as hospitals for orphans and for aged persons. The town-hall and military hospital deserve to be mentioned. Breda has a tribunal of commerco, a grammar achool, and a maguetic ebservatory. Ita inclustrial products comprise broadcloth, linen, leather, beer, and musical instruments The railway now in courso of construction to conncet Antwerp and the Hague passes through Breda.

BREDON. [WORCESTERSIMRE.]
B1REGENZ. [Tyrol]
BRFISACH, ALT, a fortified town on the Rhine, about 12 miles W. from Freiburg, in the grand duchy of Baden. It was formerly conaidered the bulwark of Germany on the line of the Upper Rhine, and is still one of the strongest fortresses in Germany. The castle was huilt by Berthold, duke of Zanhringen. Of the numerous sieges which Breisach sustained the mont memorable was that of 1638 , when it was taken by the Duke of Saxe-Weimar. In 1648 Breisach was ceded to the French, but the peace of Ryswick in 1697 restored it to the Austrians. Six years afterwards it was invested and taken by Marshal Vauban. Austria regained possession of the place by virtue of the treaty of Rustalt in 1715 , and its works were afterwards rendered much stronger hy the erection of a citadel on Mount Eckhardt. The ovents of the campaign of 1743 and 1744 threw it ouco more into the power of the French, who demolisherl the fortifications. Part of the town was burnt by the French during the revolutionary campaign in $1 \% 03$; three jears afterwards, Genemal Mereau, upon re-crossing the Rhine in his retreat out of Swabin, left a garrison in Breisach; and the French retained pessession of it in spito of the efforts of the Austrians. In 1806 the lrench government transferred it, together with the Breisgau, to the hense of Baden. Breisach is situated on a circular hill on the east bank of the Rhinc, between Basel and Strasburg; and contains alout 3200 inhabitants. The Minster of St. Stephen, which has survived every calamity that has befalleu Breisach, and is huilt in the old style of Clerman architecture, contains the monuments of several old warriors and individuals of note.

BIREISGAU, or BlRISGAU, a diatrict in Germany lying hetween the Rhine and the Black Forest, is now included in the Baden circle of Ober-rhein. It was origimally a landgraviate bolonging to the dukes of Zihringen : it then passed into the possession of the dukes of Ilochherg, and in 1367 was mold to the house of Habsburg. Rudolph of IIabsburg, the fonnder of the roigning dynasty of Austria, was born in the castle of Limburg, in this territory. The Breingau is traversed by numorous mountains, with the exception of the districts adjacent to the IRhine, where the surface is level and the soil highly productive: here large quantities of grain, flax, hemp, fruit, vegetablew, wine, \&ce are raised. In the other parts flocks and herds are reared to a coniderable amount, mnch timber is cut, and the motals, particularly iron, copper, and lead are worked. The inhabitants of the foreat-districta are celebrated for the manufacture of vooden clocks and other articlen of woorl. Hy the peace of Presburg in 1806 Breingau became tho property of the Elector of Bulon, with the exception of a mall tract assigned to Würtemberg, which Baden subsequently acquircd. It contained seventeon towns, includiug Freiburg the eapital, Old Breisach, Waldkirch, Kensingen, Findingen, Staufen, and St. Blasien, and a great number of villages and hamleta, [Badex.]

BREMEN, DUCHY OF, in Ifanover, is bounded N. by the German Ocean, N. Fi loy the Elbe, F. by Llinchurg, S. by Brunswick, S.W. by the Iiepuhlic of Bresnen, and W. by the Weser. Its area is 1957 square milen, aur its prpulation about 190,000 . The soil which borders upon the eas and the rivers in fertile marsh land. The
interier consists of heaths and moors, a considerable portion of which has been of late years brought into cultivation. Dykes are maintrined to preserve the marsh land from inundation. The Este, Bremer, Luihe, and Schwinge flew into the Elhe. The Aller and the Lesum (which receives the Wumme and the Worpe) fall inte the Weser. The Oste and the Lesser Medem have their whole course in the duchy, and enter the sea near the meuth of the Elbo. Flax, hemp, and fruit, corn and other agricultural produce in abundance, as well as vegetables, are raised. Peat is used fer fuel. Censiderable numbers of horses, horned cattle, sheep, and swine are reared. Geese are very numerous. The duchy is now merged in tbe Province of Stade, the whele area of which is 2626 square miles. The capital, both of the duchy and of the province, is STADE.
BREMEN, REPUBLIC OF, extends aloug both sides of the Weser, between $53^{\circ} 1^{\prime}$ and $53^{\circ} 11^{\prime}$ N. lat., $8^{\circ} 32^{\prime}$ and $8^{\circ} 58^{\prime}$ E. loug. It is bounded N., E., and S. by Hanover, and W. hy the duchy of Oldenburg. The whole area of the republic amounts to 71 square miles, and the population, including that of the town of Bremen, amounted in 1849 to 79,047 . The surface is low, and cousists chiefly of drained marsh land. The pastures are remarkably rich, and the breed of horned cattle is very fine : corn is grown only on the more elevated spots. Two separate districts, nearer the mouth of the Elbe, alse belong to the republic; on these stand the towns of Vegesack, pepulation 3538, and Bremerlehe, which is the port of Bremen and has a population of 3618 . The legislative power of the repuhlic is vested in a Senate, which consists of 4 burgomasters, 12 syndics, and 24 senators; and in the Burgher-Assemhly, which is composed of all citizens who pay any considerable ameunt of taxes. The senators are chosen for life out of a number of candidates propesed by the hurgesses, and the mode of election is by ballot. The Republic of Bremen is a constituent member of the Germanic Confederation, to the army of which it is bound to furnish 485 men. Feur battalions of militia are kept up hy the repuhlic, which meet at least once a year.

The population of the Republic of Dremen was thus distributed in 1849 :-


In 1852 tho revenue of the republic was cstimated at 959,706 thalers; the expenditure at 978,277 thalers.

The commerce of 1851 is returned as follows :-

| Arrivalu. | Tonnage. | Departures. | Tonmage. |
| :---: | :---: | :---: | ---: |
| 2513 | 171,603 | 2934 | 181,124 |


| Valuo of Imperts. |  | Value of Exports. |  |
| :---: | :---: | :---: | :---: |
| By Land. | 19,671,696 thalers | By Land. | 15,988,359 thalers |
| By Sea | 17,874,420 | By Sea | 16,880,588 |
| Totel | 97,546,116 thalers | Total | 32,868,947 thalera |

BREMEN, one of the frec Hauseatic towns and capital of the Republic of Bremen, stands upon the Weser, about 50 miles from its mouth, iu $53^{\circ} 4^{\prime} 45^{\prime \prime}$ N. lat., $8^{\circ} 43^{\prime}$ F. long., and has a pepulation of 53,478 . The Altstadt, or eld town, which is on the right bauk of the river, contains seme handsome strects and dwellings; but iu geueral the streets are narrow, and, in censequence of the height of the houses, dark and gloomy. It has large suhurbs, and these form by much the larger portion of the city. The Neustadt, or new town, which stands on the left hank of the Weser, is regularly built, and has broad straight streets. The two quarters are connected by the Weser bridge, which crosses the inland of Werder, that lies between them and is covered with huildings. The quays extend aleng hoth sides of the river. The ramparts of the old town have been couverted into promenades. Among the puhlic buildings are the cathedral, erected in 1160 , and 8 other churches. The old archiepiscopal palacc, now tho town-hall, is an imposing buidding in the gothic style. Tho olr tomn-hall, huilt in 1405, and famous for its Rathsweinkeller, or 'council's wine cellar,' which, it is said, contains hock of the vintage of 1624 , and various other wiues of an advanced age, still cxists. Besides these must be mentioner the exchange, the building in which the chief merchants hold their sittings, the great waterworks near the bridge, the arscnal, the granaries, the museum, the city library, the observatory from which Olbers discovered the planets Pallas and Vesta, and the theatre.

Bromen owes its prosperity to the navigahle river on which it stands. It is the entropot for imports of all the countrics hordering on the Weser, and especially for Hanover, Oldenhurg, and HesseCassel. A railroad from Bremen to IIauover was opencd in December 1847. Large vessels go up the river only as far as Bremerhaven 28 miles helow Bramen; thero they discharge their cargoes in a now harbour. Ships of 200 to 250 tons unload at Vegessek, 13 miles below Bremen; and vessels of seven or eight foet draft go quite up to the town. Cargoes hrought to Bremerhaveu and Vegesack are forwarded to Premen by lighters and boats. Bremen is a place of great resort for the warehouaing and transit of foreign and German gouds; it has a hank, discount office, and several insurance companies. The ships
of livemon aro larkely emperl of lete yearn in ansying out German ceimenele to America. Tho chiof importa are nw cottom, cotton yarm, wher, cofion ten, Lobeco, dreotutfs, and other colonial produces The esporie ongatet of them mase itema and of linman, smin, oak. lark, all spah bhlen, corta, mak wool, woollen gouda, asd wina. The
 moprita corlage and couran factorics, cottom-zuilk, bleach-work, Lahacto fuctorles ta

Itremen firsh roo jato aotice about the yeur $\% s \$$, when it lecame tho mot a tiotion in 1233 It gave fitlo so an anchbiahop. The esty propend promely under ite ecclenisotionl rulern, who promoted ite usion with tho Ifanmetio Ingue. In 1810 it was incorporated Fith iso Fromeh empire, bal rocoverd ite independonce after the batio of I aiprig is 15is, and was mlmitlad a menter of the Germanio Cowfestention, is amo of the Fres 17 nene Towns, by the Congress of Vimesa

A rallway and olectro-talegraphie wires run up tho right bank of tho W'cose to Ilanover, giving Bremen socess to the I'russian and Hhe nyateen of milroals. The electro-telegraphie wiro is contiuned sortherant to Premerbavon and Stade.
(Sireis, Free Towns: Ilamel, Frre ITanse Town of Bremen; Yarknor, statimies; Officl Refurns.)
[3RELSOD. (A1s.)
HRE: NTA (Che Roman Medoacus Major), a river of North I laly, rios frum two tmall luke near Pergine, in the Tyrol a few miles L from Trento, tow eat through a long and narrow valley between iugh moontios, then turn mouth it Prinolano, where it enters the Vebotian territory. At liasano the Brenta iscues from the monntaina into the great Peduan plain. At Limena thero proceeds from it a canal called la Brentella, which joins the Bacchiglionc. The Brenta ecotinues itn courso in a sonth-cast direction, pasaing near Pulm ; it then sasumes a course nearly dne east towards the lagoons of Venice. Near Strt, it receives a caual from the Bacchiglione, which pemen through IPMlua At Dolo, below Stri, another canal, caliel Brenta Ninova, carries part of the waters of the Brenta in a sonthors direction fur nearly 20 miles to Brondolo, at the sonth extrwaity of the Venetian lagoons. The main stream however contiuning ite courne to Flasins, whero it entered the Ingoons opposite to Vensoo occanioned coudderable mischief by the violence of its current add le frequeat overfowing, to prevent which the Fenctians made a acond eut (Brenla Nuovinima) at La Mira, alittle belew Dolo, which cut rusu nearly pamellel to tho other, until both streams join near Itroodolo, where they cater the sea. The original bed of the Brenta, from Ia Xirn to Funim, wat at tho mane time embanked and mado lato a casal with lockn, und it took the name of Brenta Morta, "the Deal Ircula. Tho commanication between Padua and Venico is cariod on by meana of Clis camal, hy which the boats from the ieterior aujply V'enice with provisiong. The whole course of the Urvesta in about 100 milea. The bank of the river below Padua were formerly ezalelliwhed for weveral milea with splendid palacen and phenerompound of Venctian noblezaen. Many of thesc palaces aro pow proee to decay.

BKFINTFORD, Sidllesex, a market-town, and the seat of a PoorLuw C"nion, is mitueted in $30^{\circ} 28^{\prime}$. . lnt, $0^{\circ} 18^{\prime} \mathrm{W}$. long. 7 miles W. by S from llyde Park Coraer. It in divided into Old and New Brentford by tho siver Irent, which here unites with the Thames. Old Iferatomi lis in the pariah of Faling and lundred of Osanlston: New Brewtford in la the prinh of New Brentford and hundred of Eithome. The population of tho town of Brentford in 1851 was $85^{\circ} 0$, of which Sew lrontionl containod one fourth. The living of Odd lrentford is a lurpetual curner, shat of New lirentford a vicarage, in the archdewoong of Widiliones mind diocem of London. Brentfurd Yoor-Law I'aloas econthian ten partabes and townshipm, with an area of 21,146 eerve, mad a propulation In 1851 of 41,305 .
linatforil in aituated on the left bank of the Thnmes, on the great woelom ruth from loodon. The town taken ita name from a forl over the lireos, where that atrean is now eroased by a bridge. Thero was a lidulga bere al a very early periou. In 1280 jidwand I. granted a coll fr thme jeam in aid of the bridge of "Braynford.' Tho foneth lridse wan luilt in 1824 ; It is stone bridge of one arch. Irvmifond ha little bintorical interent: what interest it has arisen eblotly from the two lattion In 1016 Fidmund Ironsiden having riftem the Damen out of London followed thom to this place nad apmelat doultivl vetory over the Parliamentarians under Colonel Ilolina The revit of this escounter, whiels is generally known an the lattle of throlfurd, wan howevor of mueh rervlee in mining tho mpirits of the tinyallita.

From is wismalion Itrent ford in a great thoroughfare, and has a considmente Londa. Nevent ranuffacture are carried on in the town and it ridhety. Io Oh Jhentominthe extennive diatillery of lhoth and Co; ibervere alon an nto trewerg, a nomp fnetory on a vory large cole, puework brick ant tile worke, caw-tailln, and the works of the Wend Loodne wiser worts Company, the ehinney of whleh is about 130 feet bigh. Tha company han semently erectal in connectieu with the work in mend.plpe conveructand of Iron flamehen of fect in Iength, which is earion up baighe of 214 feet Many of the inhebitente on cmaploged is marketgendeno in the neightourhood. Tho Graud

Junction Canal joins the Brent a little below Hanwoil, and thas han comomnication with the Thames at Brentford. A loop-line connecta Ibremtford with the South. Weatern railway. Filward I. granted to Ibrentford a weekly market on Tuesday. It is atill held on tho mano day, and is chiefly for the male of corn, pigs, and regetahles. Fairs are held on the 17 th to the 19th of May, and on the 12 th to the 14th of September.

Brentford consista principally of one long irregular and narrow Atreet. The pariah church of New Brentferd is a plain briek building, erected, except the tower, at the close of the lant century, on the site of an older church. The chapel in Old Hrentford, dedicaterl to St. George, is also a plain modern erection. The Baptista hare a place of wormhip in New Brentfurd. In Old Brentford there are elinpels for Independente, Weslcyan Methodists and Bapptists. There are Sational sehools in New Brentford, and National, British, aud lufurt schools in Old Breutford.

For elcetion purposes Brentford is the connty-town of Middlesex. A joint-slock company has recently erceted a town-hall and markethouse, a neat and commodions strueture of brick and stone. A county court is held here. There are a savinga bank, dispensary, and a literary and acientific institute. An im at the conner of the market-place, the Three Pigeons, has acquired some celebrity from having been meutioned by some of the dramatists of the weo of Elizabeth and James. It was kept by John Lowin, ono of tho original performen of Shakspere's plays. The inn was purchasurd by the company which built tho new town-hall, and was to have been pulled down: bnt it for the time cscaped. Sion Ilouse, the rpleudid mansion of the Duke of Northumberland, is in the vicinity of Brentford; as is also Osterlcy Park, the seat of the Earl of Jersery; the grounds of both are extensive, wall-wooded, and very beantiful. A substantinl stono bridge, crected in the last contury by Paync, cromsea the Thames from Brentford to Kew.

BRENTWOOD, Fssex a village in the parish of Sonth Weald, and hundred of Chafford, is situnted on the rond from Loudon to Chelmnford and Colchester, in $51^{\circ} 37^{\prime} \mathrm{N} . \operatorname{Iat}, 0^{\circ} 18^{\prime} \mathrm{E}$. long. 11 milen S.W. from Chelmsford, 18 miles E. N.E. from London, both by road and by the Easters Conntion railway. The population of the town of Brentwood in 1851 was 2205 . The fiving of Brentwood is a perpetual curacy in the archdeaconry of Fssex and diocese of Rochester.

Previons to Domesday Sinvey, the manor of Sonth Weald belonged to Waltham Abkey. The manors of South Weald and Brentwoorl are now in the possession of the Tower faznily. The chureh, crected within the last 20 years, is a plain neat edifico; the old chajel, dedicated to St. Thomas is Becket, built in 1221, is now usod as a N゙ntional school. In the interior is a rude imsge of a Becket, carved in wood. The Wealeyan Methodista, Independenta, and Roman Catholies have places of worship. The Grammar sehool founded in 1557 provides a liberal education for the sons of persons residing within 3 miles of the sehookhouse. The numher of acholara in 1852 was 61 . The endowmeut yields alout 1200 . a year, ont of which ten almspeoplo aro suyported. There is also a sehool connected with the Joman Catholie ehapel. The connty asylum, an elegant building just completed, is situated near the town. A school-house for the pauper children of Shoreditch parish is now being erocted.

Brentwood consists chiefly of one main street along the hich road. The honses are gencrally old, and irregularly huilt. Tho situstion of the town is pleasant and healthy. Numerous good mansions have been built within the last few yeam in the neighbourlood. Excellent water is ohtained from wells in the viciuity. Brick-making is carricd on to some extent ; there is also a brewery. Some remains of the old prison and of the town-hall, in which the assizes were formerly held, aro atill existing, and are in the hands of persons who are bonnd to put them in repair should the assizes be again held in Brentwood. A county court is lseld in the town. The market held on Thmraday has been of little importance for many years. Fairs are held in July and October for cattle. At South Weald are traces of a circular eanp. South Weald church is a structure of great beauty and interest. Sonth Weald I'ark contaius anuch ex cellent timber, and afford many pleasing viewa.
BRE'SCIA, a province of Austrian Italy, is bomnded S. by the Tyrol, F. by the Jake of Garda and the province of Mantua, S. and S.W. by the provisce of Cremona, and W. by the previsce of J3ergamo. The river Oglio and the Lako of Iseo, through which the Oglio pasee, mark the boundary between Brescia and Bergamo, and also between Brencia and Cremona. The province is 54 miles long frem north to sonth, and its greatest breadth from the Lake of Garda to the river Ogtio is abont 33 males. Tho area is 1305 square miles, rad tho pophLation in 1851 wan $356,225$.

The territory, with rogard to its aurface and the nature of the soil, ony be divided into threc tracts:-1. The valleys and mountains uorth of the town of Brescia, which ane rugged and cold in winter; daring the reat of the year great numbers of nlieep and cattle aro fed here, and mueh cheene is made. 2. The weat coast of the Lake of Garda, called 1kiviera di Salo, which has a mild climate, and produees excellent wine, oil, and fruit, in abundance. In this part the properties are amall; the peasants are, properly speaking, gardeners. About $12,000,000$ of lemons, and $40,000 \$ \mathrm{bs}$. of laurel-oil are annually produced here. 3. The sonth part of the province, which forma part
of the great plain of Lombardy, and produces corn, rice, Indian corn, flax, grass, and a great quantity of mulberry-trees. The land in this part of the province is very carefully and skilfully irrigated.

All through the province olive-oil is produced in less quantity than formerly, the olive being supplanted by the mulberry, the produce of which is constant, while that of the olive is abundant only in alternate years. Within the last forty years the silk annually produced in Brescia has increased from 1,900,000 lbs to above 3,000,000 lbs, and the quantity of oil has diminished from $400,000 \mathrm{lbs}$. to $180,000 \mathrm{lbs}$.

Besides the Oglio, which skirts the province of Brescia to the west and south, two rivers, the Melln and the Chiese, croes it from north to south, and drain the two principal valleys of its northern dirision. The Mella enters the Oglio near Ostiano; the Chiese enters it below Canneto. A canal issues out of the Chiese at Gavardo, passes closc to the town of Brescia, and enters the Oglio above Canneto, whence the boats proceed by the Oglio into the Po. A steam-boat plies between Riva and Desenzano, at the two opposite extremities of the Lake of Garda

The province is ordinarily administered by a delcgate, each district by a commisary, and each commune by a municipal officer called Poderth. For the military there is a commandant at Brescia For judicial pnrposes there are civil, criminal, and mercantile courts, from which there is an appeal to the superior courts at Milan. The ecclesiastical jurisdiction is vested in the bishop of Brescia. Higher instruction is afforded by the Lyceum and the gymnasium at Brescia, the gymnasia of Desenzano and Sald, the diocesan gymnasium and seminary for clerical students, besides a college and several private establishments authorised by the government. Female education is given by tbe Ursuline nuns at Brescia, and by the nuns of St. Francis de Sales at Sald. For elementary education there are at least one boys' and one girls' school in each of the 235 communes into which the province is divided.

Silk, linen, paper, leathcr, woollon and cotton goods, fire-arms, and cutlery, are the most important manufactures of the province. The minerals include iron (which is found in the Val Trompin), copper, jasper, nlaboster, touchstone ; particles of gold are found in the Oglio.

The province is traversed by the mil way and electro-telegraphio wires from Milan to Vcnice, but the section of tho railraad that crosses Brescia is not yet (December 1853) completed. The telegraphic wires sweep round tho head of tho Adristic from Venice to Udine and Trieste, and thence to Vienna

The province of Brescia is divided into 17 districts and 235 commnnes. The chief town is Brescin, which is noticed in the noxt article. [Brescra.] Among the other towns the following are the most important :-Bagolino, a small place, with 3500 inhabitants, ironworks, and tan-yards, is 23 miles N.E. from Brescia. Castenedolo, 6 miles S.E. from Brescia, is a market-town, with a population of 4500 . Chiari, a town of 9000 inhabitants, is situated on the high rond and railway to Milan, 12 miles W. from Brescia. It is a well-built town, with several chnrches and several silk and silk-twist factories. There is a good trade in silk and cotton goods and in raw silk. The town was formerly important as a fortress ; but ita defences are now gone to decay. Some lioman remains have been found here. Desenzano, 17 miles F. by S. from Brescia, is situated at tho south-western angle of the Lags di Garda, which here forms a small harbour for fishing craft and tho small ateamers that ply on the lake. Tho town is defended by an old castle built on a height above it. It has a considerablo commerce in corn, fish, \&c., and about 3600 inhabitanta. Steamers ply to Riva at the northern end of the lakc. To the east of tho town lics the promontory of Sermione, which, surmounted by the castie built by the Scaligers, and by the remains of an ancicnt Roman palace (sometimes called the Villa of Catullus), forms a very beautiful object from tbs lake. The western shore between Desenzano and Salo abounds in beautiful and picturesque scenery. Isco, a amall town with 2000 inhabitants and extensivo silk-works, is situated on the soutbern shore of the beatifinl lake of Iseo (which is named from it), at a distanco of 10 miles N.W. from Breacia Leno, a markettown to the south of Brescia, near the Mella, has 4000 inhabitants, who manufacture silk, cotton, and linen. Lonato, 16 miles E. by S. from Brescia, and a few miles west from Desenzano, is a walled town, rlefented also by a citadel. It is situnted in a fine silk district and has 6000 inhabitanta. The principal church of Lonato is surmounter by a noblo dome. Montechari, 12 miles S.E. from Brescia, on the left bauk of the Chiese, has several silk-throwing establishments and 6000 inhabitante. In the environs is the plain of Monto Chari, in which military review are held annually. Orzinuovi, 20 milen S.W. from Brencia, on the left bank of the Oglio, is a place of some trade, with 4700 inhabitants. This town was formerly fortified. Poneerico, also on the loft bank of the Oglio, is 20 miles S. from Brescia, having a population of above 5000 . The town is clefended by a citadel, and has some trale in corn and wine. The Oglio becomes navigable for large bances at Pontevico. Rovato, between Brescia and Chiari, has 5000 inhabitants and an old ruined castle. Timber, wrought-silk, tiles, and ironmongery, are the chief articles of trade in tbe town. Salo, beautifully situaterl at the head of the Bay of Salo, an inlet of the Lago di Garda, is 18 miles F.N.E. from Brescia, and has about 5000 inhabitants. The town is well built, part of it on piles. The townhall, tbe church of Dorne, and the hospital are the chief buildings.

Mount San Bartolomeo rises above the town, and the neighbourhood is all covered with plantations of olives, orangcs, citrons, mulberries, and vines. The chief articles of trade are wine, raw-silk, fruits, and bleached linen thread, which is famous all over Italy. There are many smaller towns of between 2000 and 3000 inhabitants each.

BRE'SCIA (the Roman Brixia), the capital of the province of Brescia, is situated on the Garza, in a plain between the river Mela, or Mella, and the canal which joins the Chiese and the Oglio, in $45^{\circ} 32^{\prime} \mathrm{N}$. lat., $10^{\circ} 13^{\prime} \mathrm{E}$. long., and has, including the suburbs, 40,000 inhabitants. The city (which is described as it existed before its late capture by the Austrians) is nearly square, surrounded by walls, about four miles in circuit, and has a castle on a hill which is inclosed within the walls in the northeast of the town. It is a wellbuilt town, has many fine churches embellished with numerous pictures and frescoes by masters of the Veuetian school, and by Moretto and other native artists. The rotunda of the old cathedral was erected by the Longobards in the 7 th century. The new cathedral is a splendid building; it was commenced in 1604, but the cupola was finished only in 1825. The dome of this church is the third in size in Italy. The Broletto, or ancient Palace of the Republic, a vast brick structure, surmounted by a decply battlemented tower, and dating from the latter eud of the 12 th century, forms with the two cathedrals one side of the Piazza del Broletto. In the centre of the square is a statue of an armed female, the allegorical representation of the city. The town-house, the episcopal palace, and the palaces and picture galleries of the nobility deserve mention. The public library, founded by Cardinal Qnerini, a former bishop of Brescia, contains 90,000 volumes and some rare manuscripts, including a copy of the Gospels written in the Sth century. There are seventy-two public fountains in the streets and squares, which are supplied with water from the hills in the ncighbourhood. Many ancient inscriptions and the remains of a handsome temple have been found at Brescia.

Brescia is the seat of a bishop, and of the governor of the province. Thero are a lyceum, two gymnasia, a college, a valuable library, and several other educational estrblishments in the town, besides the Ateneo, a literary and scientific socicty which publishes its transactions yearly, and has done much to illustrate the autiquities and artistic monuments with which this city abounds. There is also a handsome theatre, and outside of the town a large building for the annual fair which begins on the 6th of August, and a cemetery (campo santo), in which the tombs aro placed in rows one above the other against the walls. Brescia is an important mart for raw silk; it has cousiderable iron-works, and its manufacture of arms and cutlery are considered the best in Italy. It has also silk, linen, and paper factories, tanyards, paper and oil-mills, and a Monte-di-Picta.

Brixia was founded by the Cenomanni Gauls, whose capital it was (Liv. v. 35, xxxii. 30). With the rest of Transpadane Gaul it was subject to Rome, and undor the empire it became an opulent and flourishing town. Augustus, it appears from inscriptions, settled a colony of citizens, not soldiers, in Brixia, which was hence styled 'Colonia Civica Augusta.' Attila and his Ifuns plundered Brixia in A.D. 452 , but it soon recovered from this disaster, and subsequently became the capital of one of the duchies of the Lombard kingdom.
Tho ancient remains at Brescia are uumerous, and the architectural fragments aro remarkable for beauty of design and skill of executior. Tho most remarkable remains of buildings are those of a basilica, or court-house, which is called however a 'Temple of Herculcs;' portiona of the theatre; and some Corinthian columns, supposed to have formed part of the forum. Tho cella of the so-called Temple of Hercules has been converted into a museum, rich in ancient remains, and particularly valuable for its collection of inscriptions, which are either originals or fac-similes let into the walls. Among the ancient works in bronze discevered in Brescie is a cclebrated statue of Victory.

Brescia was taken by Charlemagne. In tho middle ages it suffercd much from the feuds between the Guclphs and Ghibelines. It subsequently in 1426 attached itself to the Republic of Venice, to which it adhered with steadfast fidelity in all its fortunes till 1796. It was starmed by Gaston de Foix, after an obstinate resistance by the Venetian garrison, in 1512, when it is said 46,000 inhabitants of the city perished in tho indiscriminate slaughter that followed upon its capture by the Freuch, to whose lawless rapacity, uurestrained lust, and ferocious cruelty upon this occasion, even the disinterested conduct of Bayard formed but a feeblo connterpoise. Tbo French again took Brescia in 1796, when they turned the Broletto into a barrack, having first plundered it of its works of art. At the peace of 1815 Brescia, with the rest of North Italy, camo under Austria. Brescia hardly ever rocovered from its sack by Gaston de Foix. It revolted against the Austrians in the late insurrectionary movements in Italy, and its ruin has been all but completed by the bombardment and storming which it suffered from tho Austrians under Marshal Haynau, March $30,1849$.
(Antichi Monumenti nuovamente scoperti in Brescia, Erescia, 1829; Guida per la Citta di Brescia; Macgregor, Statistics.)
BRESLAU, a large city at the confluence of the Ohlau and the Oder, the capital of the Prussian province of Silcsia, stands in $51^{\circ} 7^{\prime}$ N. lat., $17^{\circ} 4^{\prime}$ E. long., 220 miles S.E. from Perlin by the Bcrlin and Vienna railroad, and has a population of 110,000 . It has the form
of an obloges. The oreltal part of tho town contalion the proat mates ploon from which the four unde atrocti branch off to
 eocented tith the dify loy dx Iarpe and aperal analler briulgea, are domenineted the "Outer Towns" in contrullivisction to the central part, which is callod the 'New Tuwn' Tho regularity and whith of the atrocta, tho broed fromen and hambonme elovation of the housea, fire tho town a cheerfol appreamace, which is in contrant with the anofor and anore sombre ajpact of tho chnrehee and public buildinga There are then subartu on tho ame side of tho Oller at the nuw cows : broed dikh cromed ly a cestiron lorilge in interposed beternen them. On the morth aide of Irealnu lie four other subnrln, luilt en two falads formel by arms of the Oder, and connected with the Now Towa by arveral brilgon. The anenter part of tho town in cecinclad by an afmemble promsonalc, which is orturnented with treen and ulumba. In IBlteber Spuare, which used to be called the Salzring, the Jischangebailaling are encted. A brouse statne of Bliicher, rvetime upma a predretal of granite, stands in thim aquare. The fortiPertione of Hrilat, which carnel it to be beatoged in 1711, 1737, 1760, and 150 M , were domsuliahed in 1813 and 1814.

Proale contain thirty-two churche and one synagogua. Tho enthoind suret, enwed in the 12th oenturp, is highly decorated in sho faterior, asul contains seventeen nide chapela The church of the Holy Crom, erected by Duke Heary IV., duke of Silemin, in 1288, fs ls the shape of a crues and whands upou a subterranean church of sho atme ahape and dimenslona, It contains the monument of Heury ant a lusons relief of John of Ihroltau, by Vischer. Arnong the atber remartable churches aso the church of St. Mary on Sand INead; Sit. Dorothea' , the loftient church in Brealau; aud the chief Jrofarant church, called St. Flizabeth's, the steeple of which is 364 foeb hlgh. The prublio buitdings of the town aro numerotts. The Guildhall, erected in the 1 fth century, contains the loll, where the antional diets formerly bell their aittinga. It is situatod on the Prasle, the fineet equare in Breslan. Among the other publie buildinge nev-she gopermment house; the courts of justice; the public Hivary la the Siand suburb; the lloman Catholie gymnasium; the eplecopal ralace near the cathedral; the arsenal; the burg, once an impertal palace; and the university buildings. The university was founded by leopold 1 . in 1702 for tho two facultion of divinity aud philnoplyy. Two moro facultion, for law and medicine, were adted in 1511, thea the unlveraity of Frankfurt on-the-Oder was incorporatel with it The library contains upwards of 100,000 volumes. The Prolectants have three gymania hero; the Catholica have a moyld ermmatium and a theological collego. The Jews have a good neloool, founded in 1790, and another of an luferior kind. Brealan likewis pomonee a mehool of arta; a mehool of architecture; and a vaes namber of uther schools and charitable institutious, among which mest bo meutioned the esylums for the blind and for deaf-urutes, the Rulain Lterary nud neleatibo oociety; neveral pmblic libravien; various collecionn of coins aud works of art; and several hospitals sod infrranrion. The town is the seat of a romal mint and bank, and how a beed depmriment of misen, and other catablishments incidental 20 ita chancter an the centro of provincial government. There is a thentro and opera-bouce, and meveral munical societies.

The ovarns posilion of lirexlau among the manufncturing districto of sileta, ite faclitien for trude by means of internal navigation, and by milroade whleh connect it with Vionna, I'myrie, Drenden, Crucow, Warnw, Leipaig, llanover, llambung, Berlin, aud Stettin, render it ote of the moet thriving inmoufacturing and commercinl cities of Gernangy. We believe that a railway in projected to councet Breslan
 of Stouln, lamerig, and Kobigwberg. Irealau is an entrepot for tho fre and coanm woollens, cotlonn, lineas, nilk $n$, hardweres, glass, wouls, bocap and 8ax of silemia; for the wine of Ilungart, aud all kinds of colonial protuce. The oxen of the Ukraine and Moldavia, the corn and cuble of silcole, mul the prorluce of its own distillerien, tanyarls, typ-foubdrios, and all thowe tnanufactures whicls it has in common whth other largo himma, find a regular anle at Irealau. Four faire are beld io the gear, theme for wool are held In the carly part of Junc and (Mentar. The aretere guntity of wool sold at the June fairs amounts


He ain, likegraphé : Xacgregor, Statistica.)
Hetlitufis a dietrict in the former province of Ibourgogne in Firance. it wan boumbal $\mathbb{X}$. Uy tbe duchy of Bourmogno and Franche-Connte, F: by lagey, \& by the lthone whlch divided lt from Danpline, and W. ly lyoniode amil the tionne. Breane now forms part of the departmeit of A1m, lowre wan its chief town.

1HK1AT, s lown ts the departmest of Finlutino in Firnnce, and one of sto freat taval atations of that eupire, stands on the Penfeld, In $13^{\circ} 23^{\prime} \mathrm{S}$. Lat, $4^{\circ} 2 y f^{\prime} \mathrm{W}$. long. at a distance of 370 miles W. froin Paria, and has spopmation of 48,225 . It liee on the north slde of $n$ dop tiar alled the Roal of Ireat, land-lockerl, and entered by a Barrow channel eallet ta floulor

The tome of triaggular form. The Ionfelil entern the town near the borchars angle of the wals, and pawen through it linto the romiatwi whes a liding courne, dividing the town lato two parta-that on ule laf bask boing ealled Ilrevt, that on the rghe bank Recourthee lo Broi, juet is the point when the river falls into the road-
stoul, and placed so an to command the entrance to tho port, in the curlle, the streugth of which is very much owing to its situation. The whule town is atrougly fortified. The site of Brest is very uuever. So ateop in the declivity in nomo parta that the comurui cation is made by menns of steps, aud the garderu of some of tho houmes are on a lovel with the fifth ntory of others. The atrects in the higher perts of the town ane wilding and steep. Iu Itecouvrance modern hutzes aro mpidly supersediug the edifices of former timen.

Brent la a fortreas and usval station of the first class, I'revions to the time of Louis XIV. it was a land-fortress merely; but Cardinal Itichelieu, perceiving its importance as a uaval station, caused maga. xines to be bnile and fortifications to bo crected to clefoud the harbour. Louis XIV. afterwards eatablished tha great arseunl. All the principal buildings of the town, except the churehes of St.-Louis und St-Sauveur, are connected with the defence of the place, or are con structed for the parposes of the French navy. There are handsome quays, mip-building yards, extensive store-housea, rope-walka, and Larracks; Also \& building called Le Bagne, for the reception of the couvicts who are sentenced to the galleys. This last-mentioned building is on the summit of a hill, and large enough for 4000 convicta. The various establishmeuts for the navy occupy uerarly tho whole of the port. Brest has a botauic garden, a marine libury, aut observatory, and a museum of natural history. It is the sent of a maritime prefect, has schools of usedicine, navigation, and uarine engineoring, tribunals of first instance and of commorce. A naval achool is established ou board a veasel iu the harbour. Schools of naval artillery, engineering, hydrography, and drawiug, and a school for the instruction of midshipmen, aro attached to the port.
The bay or road of Breat is the ancient Brivates Portus. It is perhajes one of the finest natural harbours in the world. The pasage Lo Goulet by which it is enterod is less than a mile in width, but within there is room for 500 vesseln of the line. The harbour is dillicult of access in foul weather; the const of Bretagne ou either side of the cntrance is rock-bound, and frequently fogs render tho lights of Penmaret and Oucssant, by which the barbour is mado, to disapprear, Steamers havo to slackeu pace on approaching the entrauce. The passage is defended by formidable fortifications on both sides At its entrance, on the Point St. - Matthieu, there is a lighthouse with a revolviug light which is eclipsed every half miuute. Its height is 177 foet above the rea, and it stauds in $48^{\circ} 20^{\circ} \mathrm{N}$. lat., $4^{\circ} 47^{\circ} \mathrm{W}$ long. The road unay be considered as the astuary of several small streans which flow into it, none of which however are of any import ance except the Aulne or river of Chateaulin, which forms part of tho syatem of inland navigatiou connecting Breat with Nisnten. Tho commerce of Brest is almost entirely coufurd to the vietualling of the navy. A project has been long eutertained of forming a conmercinl port here, there being no harbour of that kind betweeu Ninates ant? Havrc. An a port of construction, aud res a school for the mary, Brest ranks before both Toulon aud Cherbourg ; but in importance of situatiou and in accessibility it is very far surpansed by either. A railway is about to be constrncted from lkeunea through Loricnt to Brent which will comect the towu and harbour with l'aris and the general railway system of Franco.
(Dictionnaire de la France, Paris, 1845; Balbi's Géographie.)
BRETAGNF, or Brittany, oue of the provinces into which Firance was dirided before the revolution, was hounded S. by the English Chanuel, W. and S.W. ly the Ocenn and the Bay of Biscny, S. and F. by the provinces of Poitou, Aajou, Maine, and Normandic Its coastino, which was above 300 asiles in length, aud indented with mumerons bays and harbourn, extendod from the mouth of the Couemon on the confines of Nornanlie to the mouth of the river Boulognc, which flowing through the Lake of Grandlieu falla into the Bny of Biscay opposite the Islo of Noirmoutier, dividing lBretagne from Doiton. The greatest length of the province from south-east to north-west was 205 miles; its greatost breadth at right angles to its leugth 105 miles; and ita area amounted to 18,085 nguare miles.

A loug range of mountaius, called Méucz, ruas parallel to the northem coast, and terninates in the western part of the peninsula. The principal rivers of tho proviuce rime in this chaius. 'Those which run worth into the Einglinh Channel linve a short course: the chief of thewe aro tho Couennon, before mentioned; tho Rance, which falls in at St.-Malo; and the Trieus, which enters the sea at I'uiupol. To the south of the chain aro the Anlne, called in the lower [mrt of its cuarse the river of Chiteaulin, which falls into the harbour of Brest tho Blavet, which forms the harbour of Lorient and enters tho lay of lliseny at Port-Louis; the Vilaine, which joined by the Illo and nereral smaller streams enters the aer opposite llelle-lle a litele below Itoche-lBernard. The south of tho province is traverael by the Loire. All thene are tide rivera nud navigable.

The noil of the province is fertile aloug the coast; but a great part of the interior is corered with mountains, heaths, and foresta. Comsuflicient for the home consumption is grown. Very little wine is prorlucel, the common beverage being cider. Flax and homp are oxtensively culcivated. Leal, iron, antimony, coal, and marble are found. Among the manufactures of liretagno linen and sailcloth are the znont important. The number of harbours along the seaboard afford great facilitles for carrying on an important coasting trade, which connistn principally of wine, brandy, fish, malt, cattle, butter
and the other industrial, mineral, and agricultural products of the prorince. The language of the iuhabitants is a dialect of the ancient Celtic, corrupted of course by a mixture of French words. The province now forms the departments of Côtes du Nord, Finistère, Ilee-et-Vilaine, Loire Inferigure, and Morbieas; under which heads its present state will be more fully described.

Bretagne was divided into Haute-Bretagne and Basse-Bretagne, the capitals of which were respectively Rennes aud Vannes. Before the first revolution it had a local parliament or assenbly of states. The states consisted-18t, of the barous, who were ten in number, and the gentry; 2nd, of the clergy, who were represented by the heads of the several orders; and 3rd, of the tiers etat, or third estate, which was composed of the deputies returnce by 41 towns. The states met ercry second year at Reunes, Nantes, and St.-Brieuc, alternately.

Bretagne was an carly seat of the Druidical superatition, and contains some vast monuments at Carnac and elsewhere, which tradition reprosents as consecrated to the purposes of this ancient religion. Invasions of Bretagne from the British Islands or of the islands from Bretagne, figure in the accounta of the early historians, or the traditions of ancient times; but little or nothing certain secms to have been known before the time of Caear's invasion of Gaul.

At that time the states along the coast from the Sequana (Seine) to the Thrumna (Garonne) had the general epithet of Armorica, from the Celtic words Ar mor, 'on thesea.' The chief tribes who inhabited Armorica were the Vencti, a powerful maritime people, who made a gallant though ineffectual stand against the Romans under Julius Csear ('Bell. Gall.' iii. 7-16), and whose name is retained in Vannes; the Osismii, who dwelt in the western part of the peninsula; the Rcdones, whose name appears in Rédon and Rennes; the Curiosolites, who occupied the present diocese of St.-Brieuc, and the Namnetes in the south, whose name remains in Nantes. Uuder the Roman empire Armorica formed part of Gallia Lugdunensis, but one or two rovolts served to show that their love of freedom was nneubdued, though their want of success only riveted their chains tho faster.

In 234 an emigration is said to have taken place from the island of Britain, then harassed by the Saxons, and that the emperor Cou stantius Chlorus gave them lands in Armorica. M. Daru however ('Ilist. de Bretagno,' Paris, 1826) places the emigration in 383, when Maximus, chosen emperor by the legions in Britain, passed over into Gaul to dethrono Gratian. It is said that he then took with him a considerable force of native Britons, who, under their leader, Conan, were able after the defeat of Maximus to retain posscssion of Armorica which lie had bestowed on them. When the further deeay of tho empire left the remoter provinces in the possession of independence, the Armoricans were released from the sulhection in which they had been held; and in the year 419 the Romans recognised as their allies those who had lately been their subjecta. Conan appeara to have ruled his atates in peace and with considerablo ability till the year 421, when he died. Ho is usually designated Conan Merindec, the latter name signifying, according to some, 'great king.' His succeasors are said to have borne the title of king till the time of Alain II., in the 7 th century. In opposition to this history there are writers who deny that any immigration of the insular Britons into Armorica took place until the commencement of the 6 th century, when the pressure of the Saxons forecd the unhappy islanders to abandon thcir native seats and retire, some to the western side of the island, Cornwall, Walcs, \&c., and others beyond sea into Armorica

If amidat these conflicting statements we may veuture to give our own conjecture, we should ay that the account giren by Daru, though perhaps a distorted representation of facts, is not without foundation. A colony of this kind was much more likely to inflnence the language and customs of the district in which they settled, than a number of miserable exiles escaping from the pressure of barbarian invaders, and finding their way as they could to a place of refuge in a foreign land. This infusion of a military population serves also to account for the rise of a free state in Armorica, upon the decay of the Roman power, while the rest of Gaul tamely bowed to the yokceither of their Roman masters or their barbarian invalers. The reality of Conan's existence we rce no just reason to doubt; and sithout placing implicit credence in the lists which the Breton writers furniah, wo are led by the language of Gregory of Tours, and by other testimony brought forward by Daru, to oulmit that several succeeding chieftains, and perhaps Conan himself, took the title of king.

With Alain II., 690, as noticed above, the title of king ceased; and Bretagne, divided into a nnmber of principalities, becamo again aubjoct to the Franks, about 800, during the reign of Charlemagne. In the troubles of the following period, tho kingdom of Bretagne was once more revived by Nomenoe (824-851), who had been nominated governor of Vannee, by Louis lo Debonnaire, son and euccessor of Charlemagne, and had revolted from Charlem le Chanve. Erispoe, the son of Nomeno6 (851-857) acknowledgod the supremacy of Charles, bnt maintained his kingly title. Civil disensions among the Bretons themmelves led to the extinction of this kingdom in 874. The country was divided into the counties of Renues, Vannes, Cornouaille (Coruwall), and other portions; and civil diwcord between the rulcrn of the petty states thus formed conspired with the invamion of the Northmen or Normans to aflict the country. This
oEco. DIV. vos Is.
right of sovereignty, claimed by the kings of Frauce, was conveyed to the Northmen by Charles the Simple, when he ceded to them the country afterwards known as Normandie, in 912. The dukes of Normandie thus became the feudal superiors of the rulers of Bretagne, and themselves did homage for this province as well as for Normaudic to the kings of France. This cession was the cause of long and bloody wars between the people of the two provinces, for the Bretons struggled fiercely against the barbarians, to whoso supremacy they were thus arbitrarily consigned. They seem however at last to have acknowledged the dukes of Normandio as suzerains.

In 992, Geoffroi, count of Rennes, assnmed the title of Duke of Bretagoe. Alain, his son, second duke of Bretagne, was, from tho jear 1035 to his death in 1040, the faithful guardian of the child hood of William the Bastard (afterwards the Conqueror), duke of Normandie, and several Breton lords accompanied William into England in 1066. In 1148 a disputed successiou led to the dismemberment of Bretagne, and to a civil war, in which the kings of Englaud (Henry II.) and France (Louis VII. 'le Jeune') took part. Tho manriage of Coustance, dnughter of one of the claimants, with Geoffroi, son of Henry II., added the duchy of Bretagne to the already rast possessious of the house of Plantagenet. On the death or murder of Priuce Arthur, in 1203, Normandio was declared to be confiscated, and was seized by Philippe Auguste, the Freuch king, and Bretagne thua became immediately a ficf of the French crown. The duchy canno to Allix, daughter of Constance, by her third husband, Gui de Thouars: and in her right to Pierre de Dreux, a younger branch of the royal family of France, to whom she was married in 1212.

Pierre de Dreux, a restless and ambitious prince, reigned from 1213 to 1237 ; first as duke in right of his wife, and then, upon lser death (in or near 1219), as guardian to his son, a minor. In 1237 he abdicated his power as guurdian of his son, and was intrusted by the pope with the couduct of an expedition against the infidcls beyond sea : in 1248 ho accompanied St. Louis in his crusade against Egypt, and was wounded aud taken prisonor at the battle of Mansoura. He died on his passage back to Europe iu 1250.
The history of tho dukes, Jeau I. (1237-1286), Jean II. (12861305), Artur II. (1305-1312), and Jean III. (1312-1341), prescuts fcw iucidents of moment; but the death of tho last-named priuco bronght on the diapnte for the succession to the duchy between Jean de Montfort and Charles de Blois, and led to the war which forms so important an episode in the wars of England and France under Edward III. of England and the kings of France of the house of Valois. Jean III. left no children: ho had two brothers-or rather one brother, Gui, count of Penthierre, who died before hisn, and one half-brother, the abovo-mentioned Jean de Montfort, who immediately upon the death of Jean III. took possession of tho duchy. Charles de Blois claimed in right of his wifo, who was daughter and heiress of Gui, and the decision was refertcd to tho king of Frunce as suzerain. The case was argued before a court of tho peers and grandees of the kingdom. Moutfort, who had reason to fear au uufarourable decisiou, fled secretly from Paris; aud a decree of the king declared Charles dc Blois duke of Bretagno. Montfort immediately sought the protection of the king of England, who willingly gave him his support: aud by a singular concurrence Edward III., who claimed the crown of Frauce through a female, supported Montfort against a female claim; whilo Philippo VI., the actual possessor of the crown of France, whono right rested upon the exclusion of females from the succession, supported a female in her claim to the ducal coronet of Brctagac. But interest and ambition little regard such inconsistencies.

The war had nearly been concluded at its very commencement. The army of Charles de Blois invested Nantes in 1341, iu which Jean de Montfort was, and throwing into the city the heads of thirty Breton prisoners of the Montfort party, so frightened tho townsmen that they opened their gates, and Jean was takcn, carried to Paris, and shut up in the tower of tho Louvrc. Jeanue of Flanders, countess of Montfort, was at Rennes when ahe heard of her husband's captivity : with matchless courage she re-animated her husband's partisaus, raised troops, acquired numerous other partisans by fair specches, promises, and gifts, aud throwing herself into Hennebon, a town on the river Blavet nut far from the coast, awaitod the succours which she expected from England.

Upon the departure of tho countess from Rennes that place was invested by the troops of Charles de Blois and surrendered by tho townsmen, and the victorious army advanced to Henncbon, hoping by the capture of the countess and her son (a child of three years of age) to settle the matter. But they found this no casy task; Jeanno attacked vigorously by the besicging army, aud having to counternct within the town tho intrigues of the bishop of Leon, who wished to persuade the townsmen to surrender, defended herself with undaunted courage. In a sally during a fierce assault she eutered the hostile camp, set the tentw on fire, and being unable to re-enter Heunebon took refuge in the neighbouring town of Auray, recruited her forces, and again made her way into Hennebon. The siege continued, the bishop of Leon exhorted to surrender, aud the heroic countess could only obtain of her now diepirited soldiers a promise to hold out for three days longer. Two days passed away; on tho third the besiegers were seen preparing for a last assault, when the Euglish flect hovo in
athe the ralians sir Woater Manmy ianded as the head of the
 potavel hat twe. "Whoeres then ww the onuatom" myy Froinath onem down froen the outlo and kim sir Wilter Mangy and his encognanione ope ather the othor two or threo time, might woll may


A mobed atiack upan lifenbetion markel tho yeur IS12 Before the ent of the yerr the countew of 3 ontfort cromed tho new ints Bingland to heg further mecoura, and wan returalug with a fleet of 40 nemben whea necs Guormeer ahe foli in with a French fleet of 22 great shipu mannel with llemens menmen, and haring on bonerl 1000 men at anse mader the ordere of Charies do 1 lioin himmelt. Tho hattle was lermanatal ty a tempent which eeparatod the fleeln, but four English dipmene hken. Thie counsean lamiled with her reinforcoments, and sho Lioge of Fooghonl and Frarce arrived in Bretagne with hostile forees; bust carly in the year 1543 a augpension of arma between tho iwn potenestes wha agreed on, and the lkretors alone, with nome mernotarion wane len to carry on the war. In 1814 the lloutfort party wion minathenal by the neverity of the king of Frauce, who, without form of trial, pat to death a Breton lond, Olivier de Cliseon, on a elarese of tratamealy forming an allinnce with Englnad. The widow of Clisenns, on bewing of shis, gathered nome troops, wurprised a castle thotil hy the frieade of Charles de IBlois, and distlnguished berself hy her explaite in a war in which, moro than in any other, women caulatal the warlike fame and courage of men.
le $134 \$ \mathrm{Jem}$ do Montfort managed to cacape from the Lourre, after a confmement of threo years. He landed in Eingland, did homage to Bivard as bis muzerain, obtainod aid and roturned to Bretagne. He died howerer shorly after, and the rights of hin son, a mere child, were brarely suanined by the Counten Jeanne.

In 134: Chartes to 13lois, who hat besieged Roche Derrien near Triguier, whe eurprised and taken prisoner hy an iuferior body of Raglish troupu. Ilis wife, Jeanno de I'enthierre, sustained hin caune with a valour equal to that of tho Countem of Montfort, and the hatred of the Ifretons for the Fingliah induced many of thens to embrace her party. In 1356 Charloe reonvered his liberty by ransom, and renewed the war., which wan carried on for seven yeara longer, duriug which no decinive action took place. In 1363 the young count de Montfort atheined hie najority, and dlid homnge for tho duchy of Bretagne to the prowerful procector the king of Eugland. In 1363 Claries de Blois and Jean de Montfort signed a trenty by which Bretagne was to be divided isto two parth, having lennem and Nantes for their respective copitaln; but the repronchee of his wife, Jeauno of Penthidvre, who told him that sho hal married him to defend her iuheritance, not to glelh up balf of is, delerrained Charlen to break it. The following year mitmemed the docisive battle of Aurai, iu which Montfort, Chadom, and Olivier de Climon overthrew tho army of Charles de Pheis, though ho wan afilel ly the bravery and akili of the celebrated Ihertiond du Guenclin. Charlen do Blois himeelf fell in tho action, and the treaty of Guerande in 1363 wocured the duchy of Bretagne to tho bouse of Montfor

Alehough Jean de Montfort (Jemn IV.) had no competitor for the duchy, hin pmanesuino of it was neither quiat nor anluterrupted. His ova riolent diaprasition precluded repmes. The consso pointed out to thim by the gratituale dne to Finghand for past servicen and hin present daty of Bulelity to France wan neutrality; hut the duke went beyoud thin; be furmed an allinnece with the Finglish, whieh necensarily drew dowe upmo hhe the homtility of France, while his liberality to the Fandiob individually dingumad the herna, and the admianion of Pomglich garrimonn alimated tho towne of his duchy. 110 quarrelled Fith Cliwn, who mon anter left him martice for that of the French tiane A fremeh amay under loa Guemelin, now constable of France, hitaif a lireton, entervl linetagno in 1sio, and the duke nbandoned
 murne-h, bat not Andtag any mupport agnin rotired to lingland. The duchy the diclared to bo ompumated; bat a violation of the inde-
 or culthas, enuent the monl of the duke in 1350, and after a disturleed makno to which lifa quarmel with Ollvier do Climeon forms a pronininet fensuren Jond de Nontfort diled in 1399.
Jean $\mathrm{V}_{\mathrm{o}}$ ann of the hate duke. catnn to the duehy a minor. He hel lona marriad whiln gel a ehlid to a daughter of the Fronch klne, Churlow VI, and upon attaining his majority wan involved in that perperel nowes of diviurtimme whiels marked the relgn of the chappy baske Thougt fropuenty changing sidem in the unlanppy
 guar 14 os, when it pacrat of Proace for the Boginh pmaty, who wan enraged at Jean for hariz diawted the Ringlinh internat for that of tho Dauplinn. In 1430 t. Ww enand asil Liken primper ly the Connt of leathicrre
 Tliman who bad hisenalf heron catmproel 1 in a nimilas ranamer by the late dola dons oftaizel thowerer hio roimue, nad the event ind in the coneyforen in the rution of the house of Bloin in the year 1442
Jeas V. Wis reocmalat by his mona, Pranpoin 1., nad ha by Pierre 11.
 11. Beld the duaby from 1430 to 1137 ; Artar 111 . fmm 1437 in 1459.

The fint part of the long ducal reign of François II. (1458-1485) coinoided with the reign of the astute Lonin Kl., whoso desire of repressing the enomnous power of the great fend nobles Ied lim into frequout diaputen and contesha In 1465 Françin entered into the confederncy of tho nobles agninnt the king, kaown by the title of - The Iengue of the I'ublic Goodi. The liretons were too slow in their movement to take part in the hattle of Montllaery, but they aminted in the hlockade of l'aris and took l'ontoise aud lirroux lu 1456 François allied hinself with Maximilian, king of the Fomans, who had married the beiress (nince dead) of the late Duke of Bonrgogne; with the king nad queeu of Sararre ; the dukes of Lormiuc, Dhfeans (heir presumptive lo the throne of Frrnce, and afterwards Lonia XII.), Foix, and others, for mutual protection and support agninst the court of France, which was now directed by Anne, lady of Beaujen, danghter of Louis XI., and guarlian of her joung brother the king Charlen VIII. This led in 1497 to tho invasion of Bretague by tho French. Ilenry ViJ. of Bingland, who bod in his advenity resided for some time in lretanne, did not interfere in time: tho occasion seemed favourable for anmexing Bretagne in France, tho king of which comntry laid clain to the duchy by virtue of the rights of the honse of Blois, which honis XI. had long since purchased. Nanten was attacked; hut the invadors were repulsed. In 1488 a battle whs fought at St.-Aubiu de Cornior between tho French army under La T'remonille and the Bretons and thoir allion, English, Germans, Gascons, and Spaniarda: the latter were defeated with loss, and the Duke of Orléans was taken prisoner on tho field. A trenty was however agreed upon, and Françuis died just after ita conclumion, the 7 th or 9 th of Seplember, 1485 .
Anne, daughter of tho late dnke, succeeded to the duehy. Her situation was embarmssing and painful. Tho Maréchal de lienx, her guardian, and other powerfil persons at the court wished her to marry tho Siro d'Albret, a Gascon nohle to whom she was excecdingly averac. Some linglinh and Spanish auxiliaries arrived to dofend her against the bostile desigus of Firance, but nhe feared that the linglish would make themselves masters of her person and eniapel her to marry the Sire d'Alhret. To put an end to these intrigues and annoyancea, she gave her hand to the Archduke Maxinsilian, to whoun she was married hy proxy in 1489. The French wished to dissolve tho marriage, which indeed was never consummated; and in the year 1490 hostilities recommenced between France and Bretagne. The duchess was besieged in llennes, and reduced to the necessity of uegotiating. During tho negotintions a proposal whs made ou the part of the French, listenod to hy the Bretou leaders, and finally carried into effect, that the dnehess and the young king of France, Charles Vill., should reconcile their discordant claims by marrying. This marriage took place in 1491 ; and by the terms of it the rights of whichever party diod first were to go to the survivor in defant of lawful inne The duchess was homud also, if she survived, to marry only tho futuro king of France or the heir prosumptive, so that tho dual union of the duchy with the crown was apparently necured.
In 1498 Charle VIII. died withont ehildren; and in 1499, nino monthn after his decense, Anne married his successor, Louis XII. Tho articles of marriage between Anne and the new king were designed to separate the crown of France from the ducal coronet of Bretagne, hy providing that tho latter alouhl descend to the socond son, or in default of a second son to a danghter, so as to give to the movines a sorereign of its own. Tho duchens Anme died in 1514, aged 37 years. Hor daughter Claude was marriod a few months after to the IJuke d'Angonleme, heir presumptive to the Jirench throne, which he ascended ugron tho death of Louis XII. in 1515 under tho titio of Fmnçoin 1.; and shortly ufterwarda Claude ceded to her husband her rightn over liretagno during her lifetime. It was not howerer till meveral years after ber donth, which was in 1524 , that Bretngne wan formally united to Frrace: this union took place in 1532.

From this time the hintory of Bretagnc corsas to prossoas any importanca It becamo cosapletely a provinco of France, and the trsees of its separate exintence (cxcept always the premnlence of the lireton lnaguage), which diminished duriug the monnrchy, have been quito obliterated in the new amragements induced hy the Freneh revnlution.
(Darı, Jiatoire de Brelagne.)

IBIRFWOOOD. [StaFrondsunri]
1B11ASCON, the capital of an arrondiwement in the department of IInutem- Aipen, in France, the seat of a tribunal of first instanco und of a college, la nituated on a round-topped eminence at a little distance went of the Col de Generre, nnd at the junction of the Guimano nad tho Clanée (which liere unite and form the Durance), 3\% sniles N.E. froin Capp, and lıan a population of $\$ 433$, including tho whole commune. The town which atandn 4381 feet above the level of the sen, consists chiolly of one nteep utroet tolerably well built and traverned by $n$ brook; iu the centre in a muare apace in which the smarket is held. Tho rant of the town in ill built and dismnl looking. One of the unost romarkable hounos in one of three storice, which is atill enlled the Temple from its having boen a l'ruteskant chapel; it beara the date 1574. An a town lirinaçu ls a poor place, but as a fortrems it ranka very high, commanding an it does one of the great passes over the Aps. The
fortifications include a triple line of ramparts and seven forts, built on rocky heights of different elevations above the town and the fires of which cross each other. The summit of the eminence on which the town stands is crowned hy fort Vieux. Several redoubts and lunettes command the road to Italy; but on the opposite bank of the Clarée is the most important part of the fortifications which communicate with the town by a bridge of a single arch 127 feet in span and 179 feet above the surface of the river. A zigzag road leads from the bridge to the several forts which command all the approaches to the town and commuuicate with each other also by subterranean galleries cut in the solid rock; all the forts and defences of the town are commanded by the luuette called Point-du-Jonr, which occupies the highest ground between the two rivers. Briancon is the principal arsenal, magazine, and depôt for the French Alps. The erections connected with the fortifications give the town a very imposing and picturesque appearance from the valley of the Durance. Besides theae, vast barracks and a handsome church built on a terrace on the outskirts of the town and surnounted by two handsome towers are conspicuous objects. There are many pretty country houses in the neighbourhood of Briançon, one of which situated at the foot of the inclined plane that leads up to the town is surrounded by finely improved gronnds, adoned with waterfalls and streans derived from the river Cervieres which joins the Duranee below Briauçou. Nnils, scythew, hosiery, homp-hackles, cotton-yarn, crayons, leather, copper ware, \&c., are made in the town, which trades in these articles, and in lead-ore, mulcs, sheep, turpentine, manna (gathered from the larch), lavender-water, and simples collected on the Alps.

Briançon occupies the site of the ancieut Brigantium, which was 6 Roman miles from Alpis Cottin (Mont Genderre), and was connected ty a road through Grenoble with Vienne en the Rhone, and by anotlier road through Embrun with Gap.
(Dictionnaire de la France; Annuaire pour 1853; Dictionary of Greek and Roman Geography.)
BRIANSK. [OREL.]
BRIARE. [LOIRET.
BRIAVELIS'S, ST. [Gloucestersunf.]
BlIDDG1:, Kent, a village, and the seat of a Poor-Jaw Union, in the parish of Bridge, hundred of liridge and Petham, and lathe of St. Augustine, is situated on the right bank of the Lesser Stour, near an oll bridge over that river, in $51^{\circ} 15^{\prime} \mathrm{N}$. lat., $1^{\circ} 7^{\prime}$ E. long. 3 miles S.F. from Canterbury, and 58 miles E.S.l. from London by road. The population of the parish of Bridge, including 234 persons in the Brisge Union workhouse, in 1851 was S64. Tho living is afvicarage in the archdeaconry and diocene of Canterbury. Bridge Poor-Law Union contains 22 parishes and townships, with an area of 39,771 acres, and a population in 1851 of 11,164. This place, which is of some antiquity, is termed in old deeds Brigge. Besidea the parish church there is a chapel fur Wealeyan Mlethodista. There are two selools in the parish. The South-Eastern railway hrings this district of country within easy reach of the metropolis. In the neighbourhood are many gentlemen's seats.

BR11)GEND, Glamorganshire, a market-town, and, in conjunction with Cowbridge, the seat of a Poor-Law Union, in the parishes of Coyty and Newcastle and hundred of Newcastle, is situated on both banks of the river Ogmore, in $51^{\circ} 30^{\prime} \mathrm{N}$. lat., $3^{\circ} 34^{\prime} \mathrm{W}$. long. ; distant 7 miles W. by N. from Cowbridge, 18 miles W. by N. from Cardiff, 181 miles W. from London by ruad, and $190 \frac{1}{2}$ miles by the Great Western and South Wales railways, Tho population of the parish of Coyty in I851 was 2301; that of the parish of Newcastle was 1536 ; the population of the town of Bridgend is not given separately but probsbly amounted to about 3000 . The living of Coyty is a rectory, held with the curacy of Nolton, in which the greater part of the town stands, in the archdenconry and diocaso of Llandaff. Bridgend and Cowbridge Poor-Law Union contains 52 parishes and townships, with a population in 1851 of 23,369 .

Bridgend is called in Welsh Pen-y-Bont-ar Ogwr. The town is divided by the river Ogmore, or Ogwr, into two unequal parts: the lenser portion, which is on the right bank, is in the parish of Newcastle; the other part, on the left bank, which is called Oldcastle, it in the parish of Coyty. Two bridges cross the Ogmore here, the more morlern oue being that over which the turnpike-road passes. The parish church of Newcastle, St. Illtyd's, stands in an elevated Imsition enrmounting the steep bank of the Ogmore at a height of about 100 feet. The chureh has been recently rebuilt in tho gothic stylo. There is a chapel-of- ease to Coyty parish in Bridgend, and another called Nolton Chapel. Three Dissenting chapels are in the town. There are a National and a Wesleyan school.

The anitary condition of the district is attended to by a Local lionrd of Health. The general appearance of the town is picturesque. In the main strect are several new buildings and handsome shops. The market-place, built by the Earl of Dunraven, is well planned and executert neatly pimerl, and kept in excellent order. Behind the market are well-built public slaughter-houses, A county hall has been recently buitt. The town is lighted with gas. Bridgend possesses a mechanics institute and a savings bank. A county court is held in the town. The chief support of Bridgend arises from ite position as a market-town, placed between a mineral and an agricultural population. The market day in Saturday. 1 fair is held ou Iloly Thursday for
cattle, shecp, and hogs, and another on November 17th. The South Wales railway now open to Swansea passes near Bridgend. A railway for coals, $4 \frac{1}{2}$ miles in length, counects Bridgend with the Llynir Valley mineral line. About three miles from the town is a quarry of mountain limestone. The river Ogmore is much resorted to for salmon fisbing; also for the Sewin trout and the gwyniad, a fish which abouuds in this river. About two miles from Bridgeud stands Coyty Castle, an extensive ruin.

BRID(iENORTH, Shropshire, a municipal and parliamentary borough and market-town, and the seat of a Poor-Law Union, is situated on the river Severn, in $52^{\circ} 33^{\prime} \mathrm{N}$. lat., $2^{\circ} 26^{\prime} \mathrm{W}$. long., 20 miles S.E. by E. from Shrewsbury, and 138 miles N.W. by W. from Loudon. The town lies on both sides of the Scvern, which are connected by a bridge of six arches. The larger portion of the town is on the right bank, huilt on a red-sandstone rock, which rises 60 feet from the bed of the river. The borough is governed by 4 aldermen and 12 councillors, one of whom is mayor; and returns two meubers to the Imperial Parliament. The population of the munieipal borough in 1851 was $61 \% 2$; that of the parliamentary borough was 7610 . The livings of St. Mary and St. Leouard are perpetual curacies in the archdeaconry of Salop and diocese of Hereford. Bridgenorth Poor-Law Union contains 29 parishes and townships, with an area of 67,882 acres, and a population in 1851 of 15,608 .

Bridgenerth, anciently Bruges or Brug, is stated to be of Saxon origin. The first known charter is one of the 16 th year of King John. The borough has sent membery to Parlianeut since the 23rd year of Edward 1. Bridgcnorth Castle is historically interesting. When or by whom it was built is uncertain; but in 1102 Liobert de Belcsme, earl of Shrewsbury, rebuilt the castle and strengthened the town, and defended it uusuccessfully against Henry I. on behalf of his elder brother Robert, duke of Normandy. In 1156-7 Heury II. besieged Bridgenorth, when, it is said, his life was saved by a knight who stepped forwarl and received iu his own person an arrow aimed at the king. In the civil wars the inhabitants espoused the Royalist cause, and held out for three wecks against the Parliamentary forces; a largo part of the town, including the church of St. Leonard, was on that occasion burned to the ground.

Besides the parish churches, the National school in the lower town ia licensed for divine scrvice. There are also places of worship for Baptists, Independents, and Irvingites. Bridgenorth has a Free Granmar school founded in 1503. It has an income from eudowment of about 50l. a year, and had 36 scholars in 1852. Connected with the school are three exhibitions to Christ's College, Oxford. The school is free to sons of resident burgesses. There are also a Blue-Coat school for educating, clothing, and apprenticing 30 boys; a National and an Infant school, common to both parishes; and $n$ National school in the lower town, erected in 1847 . A society for the diffusion of religious and uscful knowledge; a mechanics institute; a savings bank; a dispensary ; and a combined infirmary and dispensary, erected in 1836, are the chief public institutions in the town. A library, bequenthed for the use of the clergy in the town and neighbourhood by the Rev. Hugh Stackhouse, contains many old and valuable books. There is also a public subscription library. Bridgenorth possesses a considerable number of charities; amongst others an almshouse for 12 of the widows or unmarried daughtivs of burgesses, and an hospital for 10 widows belonging to the upper town.

The situation of Bridgenorth renders it airy and salubrious. The prospect from the top of the hill is delightful. There is a curious walk made from the high part of the town to the bridge, beng hewn to the depth of twenty feet through the rock; the descent is great, but it is made easy by steps and rails. A public mall on the grove above the lower town forms a beautiful walk, although now littlo frequented. The town is lighted with gas. There are three carpct manufactories and two large mills for the spinning of worsted. A large portion of the lahouring class finds employment in the navigation of the Severn, but the principal sources of profit to the inhahitants are the market, held weekly on Saturday, and the retail trade with the neighbourhood. There are five annual fairs-on the Thursday before Shrove Tuesday, May 1st, June 20th, August 2nd, and October 29th (the last continuing for three days), for cattle, sheep, butter, cheese, bacon, \&c. There is a jail at Bridgenorth, built in 1823. The inhabitants to the east of Bridgenortb are less connected with the town than those on the west. 'I'hey are separated from it by a tract of hilly but fertile country, and their chicf narket is Wolverhampton.

## BlRIDGETOWN. [BaRbadoes.]

BRIDGEWATER, Somerset, a market-town, municipal and parliamentary borough, and the seat of a Poor-Law Uniou, in the prish of Bridgewater and hundred of North Petherton, is situated on the banks of the river Parret, in $51^{\circ} 7^{\prime} \mathrm{N}$. lat., $3^{\circ} 0^{\prime} \mathrm{W}$. long., 33 miles S.W. by S. froin Bristol, 139 miles W. by S. from Loudon hy road, ard 151 miles by the Great Western railway. The borough is goveraed by 6 aldermen and I8 councillors, one of whom is nayor ; and returns two members to the 1 mperial Parliament. The population of the municipal and parliamentary boroughs, which are co-exteusive, was 10,317 in 1851 . The living is a vicarage in the archdeacoury of Taunton and diocese of Exeter. Bridgewater Poor-Law Uuion
comelen 10 parinke and towrutijn with an area of 85,359 acrea, and a populative in 1851 of $33,57 \%$.

Hratrowater in mentionol in lhomenday lhok umder the name of Prusta Williata do Hriwers, to mom lloary II. hell graved tho empor, bualt a cuale of comblormble atrongth at Iridiowater, and devemi from king Jolas for tho town a markot agol a fair; he alvo foumdod the berpital uf SL. Jolne, compialing of a mavter. Urethren, and is prowe permom of the urder of SL A uguntine. This hupital had very lane prac. ioms In the went part of the towe was a priory of Xisoriten or Ciray Frians daliceted to St Francia There wan alno in Iclande time as homital for lepern. The fonmer of SL John'n hoppial coumeneed a olone bridge of thme archos over the river
 Trivel

Iridgewaler was one of the towns that were laken by the barons during their revolt arains King Ileary III. In the ciril wars it stood out a lute tite for the king. In July, 1615, Colonel Wyndham, the porerwor, wae corupliad to murrender, whon the castlo whi dimnntiled: ibe only romain of ft now exinting are the mally-port and some small detachesl grortione of the walla. The inhmbitants of Bridgewater aup-
 [rociaianel kiag by the Imayor and corporation.

The pariah church, dedicated to SL. Mary, is a handsome atructure, coseling of a rure, chancel, tranmepta, two niclo nisles and a tower, normountied with a lofty spire. It has recontly boen restored. There to eloo a chapetlofene in the parinh dedicated to the Holy Trinity. Thero ane place of worhbip in liridgewater for Independeuts, Baptists, Naburliota Quakers, and Unitariana King James's Freo Grammar metrool, foubled in 1501, hes an iscome from endowment of about 131 - jeer. It is free to wone: 6 boye of the borough pay 21s. a quarter. The mumater of meholam in 1852 wan about 30 . In 1723 Dr. John Morgan foumiled and Largely eaduwed a achool for the education of tho monn of docsyed tralesmen resiflent within the borongh. A spacionen echoul-room and a house for tho minter were erected in 1810. The number of echolam is abont 150 , of whon 30 aro cluthed on the foumataion. A mohol wa founded and cnduwed by Mr. Edward Tackerell for the clothiug, elucating, and apprenticing the children and grandchildren of certain of his relativen. The management is in the havels of trusteen Various other sums have been left for the hotruction of mor childrets. Thore aro almshouses and an infiraary.
The elootive franchise was conferred on Bridgewater by Edwarl 1. in the 23 rl year of his reign, since which time it has returned two mecaboms to I'arlineneat. Ita firat churter was grantod by King John, Jnme $86 t h, 1900$, and twelve other charters werv granted to it between that limo and I6S3. The town in plessantly aituated, about nine milo frum the sen, im a lowel but well-wooded oountry; to the northent aro the l'ulden and Mesclip hille, and on the west the Quantock bill. Tho river I'arreh, over which there is a handsome iron bridge, divide the enwo into two parta. The principal part of tho town is on the left lank of the river. The atroots, although rather irregular, are of good willh and parod; the houses are generally well built: tho cown in lighted with gan. The town-hall is a good buildiug. The jail in convenical in in intermal arrangetnenta The markethouse is a rather baonoome atructure, murnounted with a dome and lanteru. Fistover, that part of tho town which is on the right bank of the river I'arret, has greatly lucrmand nince the formation of the Bristol and Fixoler milway, the station of which in in Elastorcr. It possesses - rers handentoce church lediented to St. John the Fvangelint

The siver l'arret in narigablo ea far as Rridgewnter for vessela of Fol Loma, luat it in mbject, like some other rivern in the Bristoi channel. bo a rino of umarly ils fathoms at apring-tidem. The flow of Un ilde is preepled by a head-water commonly tormed the 'bore,' Whach often provluces much inconvenience among the shipping. The groncipl ingork to Ibridguwater are gruln, coals, tallow, and timber. Combare depported frum Weles, and conveyed into the interior of the conntry by mean of the river l'arret and a cannl. The l'arret in movaghe an far mes lagoort ; the camal rune to Taunton, and thence into lherondshe. The fonvigz trels in jrincipally with Jumaia, the U'eited Slestes, Carein, Niowfoundland, aurl the Wont Indice. The neseler of reand Lelonging to the grort an regintercd on December
 sbove 60 was so remi, lonsage, 10,1 is; with 2 steam-vemela, 81 toes. The sumber aod whnage of vemele outcred aud cleared at the port of llridgewater lluring the jear 1832 were an followe:-Conit
 1\%in2 lama In the colonial and forelga trule there entered 53 renes of 93es coma, ennl cleared is vemela of 3046 tom
A menapestare peculiar to asol conetituting tho staple trado of Radermater, to tho falricutiom of that kind of white trick known as Poth brick: thin lrmach of ladustry givee empioyment to many of the talebitank There markotn on Tucolay, Thurnday, and Saterdey : that on Thurmby bolag the 1 rimeipal market for proritoos aod oprecially for cbeowe, for which the anislitrourhood in osebrated. Peire ere held on the firnt Monday in Lent, July $24 t h$, Octader 2od, and Decwerber 2 ith The fair on Octolber 2ul, anlled Be Motthew's Fols, which is bohl lyy royal charter, wa formerly the mart of thomarnabire aul the adjulning countien, and is atill of oon.
comuty court is held in the town. P'etty seasions ane helil weekly for the borough, and monthly for the county. The July quarter seesions ano held in Irrilgewater, and the summer masizes are hold here alternately with Wells. Iridgewntor whs the birthplace of Admiral Blake, who receiverl his elncation at the Grammar echool is the town.
IBRIDGEWATEIR. [Vas Diemfx's lasv.]
IBIRIDLINGTON, formerly written BRELLINGTON, but now commouly pronounced 'Burlington,' Fast Riding of Yorkshire, a port and markut-town In tho parish of Brilliugtons and wapeutako of lickering, is situated in $54^{\circ} 5^{\prime} \mathrm{N}$. lath, $0^{\circ} 12^{\circ} \mathrm{W}$. long., slistant $\$ 0$ miles F.. by N. from York, 206 milen N. from London by road, and 204 miles by tho Great Northern (via Boston aud Iluli) and North Midland railways. The population of the town of Iridlington with Bridliugton Quay was 2432 in 1851. The living is a perjuctnal ouracy in the archdenconry of the Fast Riding and diocese of York. Mridlington Poor-Law Union contains 32 parishcs and townships, with an aren of 63,410 acres, and n population in 1851 of 14,201

The town is about a mile from the east coash. At this place the surface whicl farther north is hiliy, subsides into a flat, which exteuds along the const to Spuru and thence to Hull, and compurises the whole of the fortile alluvinl tract called Holderness.

Bridlington is considered by some nuthorities to have been the site of a Romanstation-Gabrantovicorum. Hlamborough Head is thought by some good antiquarics to be the Ocallum l'romontorium ; thougl the received opinion is that Spurn Head better agreas with its posi tion. The rond to lork calied the Youk rond, appears to liave been a British road, perhaps inprovod by the Romans. Tlie romains which detcrmine the cxact sites of iulaud towns inhabited by the Romans, have hore been long swopt away by the encruachusents of the nea After the invasions of the Danes, aud after the Saxoma lind established themsclves in Britain, the north prortion of the country was the last subduet; Hor was this effected until the jandiug at Flamborough of Ida, in 54\%. A Beries of paraliel intrenchments iutersect the Wolds frum cast to west, nud near tho extronity of the Wolds shorter lines occur in different directions. Traulition attributes them to the Danes; and this locality was undoubtedly their stroug. held for noarly three ccuturien Several engagements were fought here betwoen the Danes and the Saxons and Normans. The Danes' tower, near Flamborough, is phainly of Norman architecture. Great mumbers of tuanuli are spread over the Wolds, some in groups, others dotached. The group called 'Danes'-graves' comprises at prosent nbout 200 barrows. The detached tumuli extend down to Flant borough Head. Some of them linvo been found to contain merely skeletons, others bronze and inon wenpous, and a few british urns Specinuen of these urns, how in the posscssiou of a gentieman at Bridlington, were evideutiy formed by land, mad baked. In July 1834 a tumulus was openel at Gristhorpe, near Fijey, a description of which was published by Mr. Wifliamson. The coffu whe of onk, and of the rudest shape and structure, the interior having been hollowed out apparutly with chisels and hatcheta of fliut. The borly within tho coffin was eurcloped in a strong skin. No pottory was found Hint heads of arrows, and of a javclin, pius of horn, bone, and wood and the fragments of a horn-ring, were nanong the contents of the coffin; in alditiou to which was a spear-liead of brass or some other comprosition of metal. The body is considered to have been about 6 feet 8 inchos in height, and its muscular attachnents aro very atroug The coffin and its contents are placed in the Scurborvugh Musoun. At the foot of the Wolds large Sason barrows occur. In 1824 a pruty of gentlemen cansod sorne ground in a fied called Tuft-llill, at Kilham, to bo openod, when half-burned boues, pieces of urne, do. were found interminglod with the light sandy earth. lu a snad-pit at a nhort distance they discovored a human skeleton, about 3 f feet bolow the surface; many oruaments of brass, clnspa, houks, rings and buckien were found in different parts, as well as a large uumber of amber and glase-berds which lay about the neck. The legs of the ekeloton were crossod. Nicar Ikudston, five miles from Bridlington, about six ycars back, a large tomelated pavement was discovered by a ploughman. The desiga is maid to have differed from those of Roman javoments. The tesserw were fommod of tho chalk-stumes of the icighbourhood, and were put together with considerabio skill. An acoount of the Beacons will be found in Poulson's 'Ilistory of Ilolserness; the sites of nearly ali those refermed to in Qucen liliznbeth's - Looter to the Junticos,' 1nay be traced to this day : they are supprosol to Le coeval with the Danish invasion. The derivation of the namen of many of the villages, as well as the common dinlect of the inhabit auth, is ovidently from the Saxon.

After the Norman Conquest the manor of Bridlington formed part of the extomive possemions of Karl Morcar. To Walter de Gant, son of a sophew of the Conqueror, to whom tho manor had been granted, Ihidilugton owei its priory, tho most distinguisling feature in itn early history. When completed, probably in 1114, it was leppled with canone regular of the orler of St. Augustine. The eitalea of the priory were of immenso cstent, and included not only lands in its riciuity lut alno in mauy other parts of Yorkshire and in Lincolnaliire; and thoy were largely adiled to by subsequent beuofactora Ilenry 1. granted to the prior civil jurisdietion over tho manor and town. John grantod them an annual fair and a weekly teurkct.

The monastery existed four centuries: when it was dissolved its revenues amounted to $550 l$. per annum, a very large income at that day. In 1539 it was demolished, and the manor and rectory became the property of the king, by whom they were granted on lease to various individnals. In 1643, during the contest between Charles and his parliament, Bridlingtou became the scene of temporary hostilities ou occasion of the queen landing here with a supply of arms, under the convoy of Admiral Van Tromp. Admiral Batten, whose squadron had been stationed to intercept the queen, cannonaded the town for some hours, but was warned off by the ebbing tide, which woull have left him in shoal water. The celebrated Paul Jones with four ships eugaged and captured two ships, the convoy of the Baltic fleet, in Bridlingtou Bay, on September 21st, 1779. Jones reached the Texel in sufety with his prizes.

The priory church is the cluef feature in Bridlington. The nave and an arched gateway leading to it are the only parts now left of the once spacious monastery. The west front has had two towers, of which the lower stories only remain. This front still retains a great degree of architectural magnificence, and is in the style of the beautiful collegiate church of Beverley. "The grand western entrance is an exquisite specimen of the architecture of Heury VII.'s time; excepting however the north-western tower, which belongs to a much earlicr period. The style of the north-western tower is early English, as is also the whole of the north side of the church. The west window is 55 feet in height from its base to the crown of the arch, and 27 feet in breadth. The head is filled with good perpendicular tracery.

The north porch is also a truly splendid specimeu of architecture. $\dot{8} \dot{\text { climech in the interior is } 185 \text { fcet ; and the longth of the present }}$ cliurch in the interior is 185 fcet; and the distance of the farthest takon up, 152 feet; so that the ancient church scems to have been nearly of the same length as Beverley minster, abont 333 feet; its breadth is 08 feet, aml height abont 60 fect." ("An Historical and Architectural Description of the Priory Church of Bridlington,' by the Rev. Mariaaduke Prickett.) Attention has recently Leeu directed to the restoration of this church. The work has been carried on under the superintendouce of the arclideacou of the East Riding and a committee of clergymen and laymon connected with the district. The great west window has been elaborately restored by Mr. Wailes of Nuwcastle. The Wesleyan and I'rimitive Dlethodints, Baptista, and Indepeudents have places of worship in Bridlington. A building which was formerly a Quakers' nueting-house, is now used as a temperauce-hall. There aro in Bridliugton an Endowed achool, founded in 1636 for the instruction of 20 boys, the children of poor parishioners; another school, fuundcd and undowed in I781, "for maintaining and educating the poore children of Bridtingtou and Key in the art of carding, kniting, and spining of wooll," in which 12 children aro instructed; National aud Infaut schools; also about 20 day and boarding-achools. Tho town posseases two public subscription lihraries, a mall museum, and a mechanics iustitute.

Tho streets of Bridlington are narrow and irregularly built, and the appearance is that of an old town; but the town has bcen much improved within the last twenty years. The strects are lighted with gasi. The town-hall is over the priory gateway; the corn-exchange is in tho market-placo. The trade of Bridlington is chictly in corn. Soap-boiling and bone-grinding for tho purpose of manure, give omploymeut to sonne of the inhahitants. The retail business with the surrominding agricultural districts, and the resort of visitors to Bridlington Quay duing the bathing season, are now the principal sourees of the prosperity of the town. The imports are chiefly coals from Sunderland and Newcastle, timber from America and the Baltic, and general merchandisc from Londou and Hull. Two fairs are held annually in a large open area between the priory-gate, called also the 'Baylc Gate,' and the church. This area, which is called 'the Green,' was the close of the priory.

BIR1DLINGTON QUAY, East Riding of Yorkshirc, a small noodern Cown in tho parish of Bridlington and wapentake of Dickering, is situated on the sea-coast, in the recess of Bridlington Bay, in $54^{\circ} 4^{\prime}$ N. Lat., $0^{\circ} 10^{\prime}$ W. long., and about oue mile from the town of BridLingTos. The population of the town of Iridlington Qury in 1841 was 1852 ; in the Census returns of 1851 the population is iucluded with that of Bridlington town. Tho living is a perpetual curacy in the archdcacoury of the Enst. Riding aud diocese of York.
This place in much frequented during the bathing season; it has incrensed rapidly within the last teu years The principal street, which rins directly to the harbour, is very wide. The town is lighted with gas. Two substantial atone piers inclose the harbour. There is good anchorage in tho bay, particularly whon the wind is unfavourable for consting-vessels proceeding northward round Flamborough Head. A new church in the early English atyle was erceted about 1842. The Wesleyan and Primitivo Methodists have places of wornhip There are National mehools for boys and girla, a commodioun Infant school, and a day-school conducted by Wesleyan Methodista.

A fine view of Flamborough Head and Bridlington Bay is obtained from the piers. The beach has a fine hard and, which affords a good walk at low watcr. Thore are warm and cold sead-water bathy. At a
short diatance there is a chalybeato mpring of reputed efficacy, resem-
bling the waters of Scarborough and Cheltenham, but not so purgative. An ebbing and flowing spring, which was discovered in 1811, furnishes an abundaut supply of water of remarkable purity. This spring, being below high water mark, is covered by the sea every tide. The fossils of the chalk-cliffs near Bridlington are numerous and well known. A few years ago a head of the great extinct elk with branching horns measuring 11 feet from tip to tip, was found iu the lacustrine deposit in this viciuity.

BRIDPORT, Dorsetshire, a port, borough, and market-town, and the seat of a Poor-Law Union, in the Bridport division of the county, is situated in a vale above the confluence of two branches of the river Brit, or Bride, iu $50^{\circ} 44^{\prime} \mathrm{N}$. lat., $2^{\circ} 4^{\prime} \mathrm{W}$. long.; 15 miles W. by N. from Dorchester, 134 miles W.S.W. from London by road. Dorchester, the nearest railway station, is 141 miles from London hy the SouthWestern railway. The population of the municipal borough, whieh is co-extensive with the parliamentary borough of Bridport, was 7566 in 1851. The towu is governed by 6 aldermen and 18 councillors, one of whom is mayor; aud returns two members to the Imperial Parliament. The liviug is a rectory in the archdeaconry of Dorset and diocese of Salisbury. Bridport Poor-Law Union contains 19 parishes and townships, with an area of 31,731 acres, and a population in 1851 of 16,860 .
At the period of the Domesday Survey, Bridport contained 120 housen, and possessed a mint for the coining of silver. The first charter was granted to the town in the 37 th of Henry III. The town has sent members to Parliament since the 23rd of Edward VI. A market and three fairs were granted in the 36th of Queen Elizabeth. The prosperity of the town of Bridport is dependent upon the harbour, which is at the mouth of the river Brit, at the distance of a mile and a half from the town. The sand accumulates so rapidly in the harbour that much trouble and expense have been requircd to fit it to receive vessels of any considerable burden. From the commeucemeut of the 14 th ceutury down to the present time much has beeu doue to improve the harbour. It is now safo und commodious, and can accommodate vessels of 250 tons burdeu; the trade of the port has in consequence rapidly increased. The number and tonnage of vesscls registered as belonging to Bridport on 31st December, 1852, were-under 50 tons, 2 vessels, 73 tons; abovc 50 tous, 14 vessels, 1774 tons. The number and tonnage of vessels that entered and cleared at the port of Bridport during the year 1852 were as follows:-Constwise, inwards, 198 vcssels, 13,728 tons; outwards, 87 vessels, 3717 tous: colonial and foreign, inwards, 37 vessels, 3143 tons; outwards, 34 vessels, I75I tons.

Bridport had a considerable coasting trade in coal and grain, but it has been almost eutirely lost in conscqueuce of the superior facilities for transmission of goods afforded hy railways. Hemp, flax, tallow, timber, and wheat are imported from Russia and the Paltic; aud timber from Norway and America. Wines, spirits, skins, conls, culm, and slates are also imported. Tho exports consist chiefly of the manufactures of the town, and of chcese and buttcr for which the ueighbourhood is celcbrated. The manufactures of Bridport are principally of twine, shoe-thread, cordage, sailcloth, and fishiug nets. The antiquity of the hemp trade in Briclport long since dignified a halter with the name of a "Bridport dagger.' Ship-building is carried on to somo extent.

The parish church is au ancient cruciform edifiee, chiefly of the perpendicular style. The Independents, Baptists, Unitarians, Wesleyan Methodists, Quakers, and Roman Catholics have places of worship. Thero are National and Infant schools; a savings bank; a mechanics institution with reading room and lecture room; almshouses for 27 persons; besides several charities. The town consists chiefly of three spacious and airy streets; the main strect forming a portiou of the old ma.l road from London to Exeter: The strcets are well paved and lighted with gas. The sewerago is good. The town-hall, elected in 1786, in tho centrc of the towu, is built of hrick, faced with Portland stone. The markets are held on Wednesday and Saturday. Fairs fur cattle, sheep, cheese, and pedlery, are held ou April 6th, Holy Thursday, and October 11th. A couuty court, a court of scssions, court of record, and court lect are held in tho town.

BRIE, a district in Franco comprehended partly in Champagne, and partly in the fle-de-France, extended from the banks of the Seiue toward the north east acarly 70 milcs; and its greatest breadth at right angles to the leugth was about 65 miles. It was formerly divided iuto Brie Françoise, chief towns Brie-Comptc-Robert, and Montereau; Brie Champeuoise divided into Upper Brie, capital Meaux, and Lower Brie, chicf town Provins; aud Brie Pouilleuse, chief towns ChateauThierry and La-Fere-cn-Tardenois, Brie Pouilleuse was afterwards incorporated with Brio Champenoise.

IBrie harl ancicntly its own feudal lords, who bore the titlo of counts of Meaux; but Herbert of Vermandois, count of Meanx or of Brie, having hocome count of Troyes or Champagne in the 10th century, united the two countrics, Brio cver afterwards followed the fate of Champagne. The territory is now divided between the departments of Aisne, Aube, Marne, Seine-et-Marne, and Seine-et-Oise. BRIEG. [Silesia, Prussian.]
BRIEL (sometimes called Brielle and the Brill), a seaport town on the northeru side of the Island of Voorn in tho Dutch province of South Hollaud, is situated near the mouth of the Maas, in $51^{\circ} 54^{\prime}$ N. latn,
hold with the rectory of Wont Blachingtun, iu tho arehdeaconry of Lower and diocene of Chiohester.
Brighton standm near the centre of the curved line of coast of which the eant nod west points are respectively leachy Head and Selaca 1Hill. The town in built on a slopo, and is defended from the north winds by the high laml of the Suth Downs, which fron Beachy llond an far as the contral part of Brighton press eloso on the sea anil form high ehalk cliffa. From the central part of Brighton westwari the hills recelle farther from the sea, leaving a level coast. Thus the town of llrighton in the eastern part presents a high eliff to the sea, and in the westeru part a low sloping beach. The town han not incrensed towards tho north so mueh as along the conat; but it hat run up the depressions in the chalk, aloug which the London and Lewes roade respectively are formed. The entire sea froutage of the parish of Brighton, a spaee of nearly three miles in length, is occupien with a range of superior houses. The population of the town hey increased with astonishing rapidity during the preseut century : in 1801 it was 7339 ; in 1811, 12,012; in 1891, 24,429; in 1831, 40,634 iu 1811 it whs 46,661 ; and in 1851 it was 65,569 . The number of residents during the summer oecasionally amounts to 80,000 . The place is rupidly inereasing.
The origiu of Brighton is unecrtain. Roman coins have bean dug up in the vicinity. At the Conquest the lordship of the mnuor was ineluderl in the possessions of Hamold, and was given by the Couqueror to his son-in-law, Williand de Warren. About this time some Flemings are supposed to have established themselves hero for the purpose of fishing. From the exposed nature of the coast the town has occasionally suffered from hostile invasion. It was plundered and hurned by the French in the early part of the 16 th century. During the reigns of Honry VIII. aud Elizabeth fortifications were erected to protect the town. Drighton has frequently suffered from storms aud the eneronchunents of the sea, by which the cliffs have been underumined, and at different times many housen lave beeu destroyed. Wooden groins have been formed which ruu from the clif to low water mark, within which the loose shingle is deposited the shingle in this part of the channel is always driveu eastward. A sea wall has been built along the eastern cliff, extending from the pier to Kemp Town. This wall is 60 feet high, 23 feet thiek at tho brae, tapering to the top to a thieknoss of 3 feet: its construction cost the town upwards of 100,0001 . Two centuries ago the town was situnted 'under the eliff,' or on the tract of beach now covered by the sen, on whieh stands the chnin pier. Twenty-two houses were destroyed in 1665, leaving still under the cliffs 113 tenements: the whole were swept away in hurricanes which oceurred in 1703 and 1705 , aud by irrnptious of the sen. In the yenr 1818 , while some labourers were making exearations in Ship Street and Middle Street, the walls of oue of the engulphed itreets, named South Street, were diacorered 15 feet below the surface of the beach. About the middle of the 18th eentury attention was directed to libighton as a suitable watering-place, chiefly by Dr. Richard Russell, an intelligent uedionl man, whose work on the use of sea-water ex cited considerable interent. The place was reudered a fashionable resort by George 1V., then Priuce of Wales, who first viaited Brighton in 1782, nud for many years in succession mado it his residence duriug the summer and antumn. In 178 the foulation of the Marine l'aviliou was lnid. This royal palace may be regarded as the nuelcus of moderu Brightou. Its exterior appearauce is rather fantastie than graceful, presenting an assemblage of domes, minarots, and piunacles. The Pavilion has been purchnsed and fitted up by tho corporation of 1righton as a place of reerention for the inhabitants and visiters. The grounds attached, which occupy upwards of 7 acres, aro appropriated na pleasuregrounds for the use of the public.
Adjoiuing the Pavilion is a large open space terned the Steyne. Prior to 1793 this was a pieco of common laud used by the fishormen for repairing their boats and drying their nets. It is now inelosel with railinga, planted with trees, interseeted with ronds, and reudered an ornament to the town. It is surrounded by excellent houses. On the north side is a bronze statue of George IV. by Chantrey; and on the south side is the Victoria Fountrin, 32 feet ligh, erectod by subscription $\ln$ 1846. The rapid increase of Brighton caused the want of a suitalle landing.place to be strongly felt. A company was accorlingly formed for the ercetion of a sugpension or ebain pier, which war begun in October, 1822, under the direction of Captain hrown, anl opened in Noventer of the following year. The cost of croction was 30,000 . It is componed of four spaus or chaiu hridges, each 255 feet in length, aud at the eud on a framework of stivng oaken pilen is a platform paved with blocks of grauite. The maiu chains, whieh are eight in number, aro earried over pyramidal castiron towers 25 feet high, which rest on elusters of piles. The entiro length of the pier is 1136 feet, the breadth of the platform being 13 feet. This structuro was seriously damaged in heary gales in Oetober, 1833, and Novenber, 1836. The pier han since been conaiderably strengthened, and in now in a state of thorough repnir.

On the east side of the parieh of Brighton is Kemp Town, a magnificent ansemhlage of private housem crectod on the estate of Mr. Kemp. When first built some yearn ago it wan quite detached from the town, but in now united with it. On the west side of the town, in the parinh of llove, are soveral handsome squares nud terraces. The

Marine Parade extends about a mile along the cliff from the Steyne to Keinp Town, and along the whole distance is a broad terrace on the margin of the cliff, which at this place attains a considerable height. Many fine houses are situated on this range, which forms an agrecable and convenient promenade. In clear weather the prospect from the cliff is very extensive; the Isle of Wight, 40 miles distant, may occasionally be disccmed from it. The battery in the western quarter of the town consists of six pieces of heary ordnance, 42pounders. It was erected in 1793, and rebuilt in 1830 . On the eastern side of the town is the Queen's Park, which is planted with trees, and affords opportunities of healthful exercise and recreation to the inhabitants of Brighton. A chalybeate spring in the parish of Hove has considerable celebrity.
The parish church, an ancient edifice dedicated to St. Nicholas, stands on Church Hill. At the west end is a square tower surmounted with a small spire, and containing a peal of eight bells. St. Yeter's chureh, on the north level, near the entrance to the town by the London road, is a handsome structure of the perpendicular style, crected in 1827 by Barry. In addition to these there are 11 churches and chapels belonging to the Established Church in Brighton, besides the parish church and St. Andrew's chapel in the parish of Hove. The Disventers lave upwarls of 20 chapcls, including 5 Independent, 5 Raptist, 1 English Presbyterian, 3 Wesleyan and Primitive Methodists, 1 Roman Catholic, 1 Unitarian, and various other chapels. Some of thic Dissenting chapels are handsome edifices. There is also a Jews' synagogue.

The Central Nationnl school was crected in 1830, and was subscquently enlarged to accommodate 650 pupils. The cost of the erection was 4500 . Resides this school there are numerous National, British, and Infant achools, of which a British and Infant school and a School of Industry are supported by the Society of Friends. The Union Charity schools, founded in 1805 by Edward Goff, Esq., are under the management of Dissenters. There are also two Ragged schools, and a School for educating and clothing the Indigent Bliud. Brighton is a favourite place of education for the children of the more opulent classes. There are upwards of 100 boarding-schools in the town, besides a large number of day-schools. St. Mary's Hall, Kcmp Town, is an institution founded for educating the daughters of poor clergymen, and preparing them for governesses; it has been eatablished about 20 years: each pupil pays 20 L per anuum. Thero is also a Training school for school-mistresses, in which there were 17 pupils in 1851.

The Brighton College, a proprietary school, founded in 1847 , is intended to provido on moderato terms a sound religious, classical, and general erlucation of the highest order. Tho college, a handsome building in tho Tudor-collegiate style, was crected in 1849. The literary societies inclndo the Royal Brighton Seientific and Literary Institution, the Brighton Athenreum, and the Brighton Working Men's Institutc.

The benevolent institutions of Brighton are numcrous. Among these may be named the Sussex County Hospital, established in 1828 ; the Victoria wing was added to the building in 1839 and the Adelaide wing in 1841 ; it is on a largo scale, and 'open to tho sick and lame poor of every county and nation'; the Brighton Dispensary, founded in 1809 , for administering advice and medicine gratuitously to the sick poor, and for promoting vaccinatiou; the I'rovident and Selfsupporting Dispensary, for tho labouring classes; a Dorcas Society; a Lying-in-Institution; the Dollar Society, for the benefit of persons, erpecially tho aged, who havo experienced great reverses in their circumstances; a Socicty for the relief of distressed Widows; an Asylum for Female Orphans; an Infirmary for Disenses of the Eye; an Asylum for the Blind; an Institution for the Deaf and Dumb; a Hommopathic Diapousary; several Loan and Provident societies for the henefit of persons of limited incomes, and a savings bank.

The town-hall of Brighton is a large but inelegant building of a socalled clamaic character, with three double porticocs. It contains rooms for public meetings, for the meetings of magistrates, town commisnionern, police offices, \&c.; it has also a spacious market room. In tho Justice room the Sussex county court sits two d.ys in each month. The building was commenced in 1830, on tho site of the old market, nearly in the centre of the town, and cost upwards of $50,000 \mathrm{l}$. Its dimenvions are 144 feet by 113 feet. The new market-place, which is commodious, is in tho mamo locality. Tho market is well supplied with poultry, meat, fish, and vegetables, and is open claily, an Act for a daily market having been obtained in 1773 . A corn-market is held in the town on Thuraday. A fish-market in held by the fishermen on the open beach. Fairs are held north of the town on Holy Thursday and september 4th. Brighton is well lighted with gas. The supply of water is good. Among the placos of amuscment are a theatre, an sumeinbly room, and two club-houses. At some of the public rooms an well an on the promenarle music is provided during tho bathing meason. Lbout a mile east of the town, on a beautiful part of the Down, races take place annually, about the beginning of August. Iegattas and other aquatic sports are occasionally given. In addition to the bathing-machines on the beach, baths, shampooing establishments, and other places for the accommodation of invalids and othor visiters are abundantly provided. The hotcls are numerous, and some of them on a ncalo of great magnitude and splendour.

The trade of Brighton is confined almost wholly to the supply of the wants of a wealthy population. Almost the only manufacture of the place is that of Tunbridge ware. Shoreham, about 7 miles west from Brighton, and Newhaven, about 9 miles to the eastward, are tho ports through which the foreign and coast trade of Brighton is conducted. The coast off Brighton is too dangerous to allow of much direct trade with the town. Fishing is carried on somewhat extcnsively ; the fisheries giving employment to upwards of 100 boats and about 500 men. Mackerel, herrings, soles, brill, and turbot are taken in large numbers; mullet, whitings, and other fish are also caught. The principal feature of the traffic of Brightou iu more recent years has beeu the constructiou aud operations of the three branches of the Brighton and South Coast railway, which have their common centre in the town, namely, the main line northward to London, the branch westward to Portsmouth, and that eastward to Hastings. Thic central statiou in Brighton in the north-west part of the town is a bandsome and convenient building. Previous to the opening of the railway there were 32 coaches passing daily in each direction between London and Brighton. There is now not one. The greatly increased facility of communication by railway betwecu Brighton and the metropolis has caused a considerablo demand'for house accommodation, to mcet which building is extensively carricd on. The Downs and the country generally in the vicinity of Brighton afford a grent number of fine drives and walks.

Upon the erection of the chain pier, Brighton became a packetstation, and was much used by thosc who preferred going and returning from Paris by way of Dicppo and Rouen, instead of the old route of Dover and Calais. The opening of the South-Eastern line of railway introduced a rival and more ready communication with Paris by way of Folkestoneand Boulogne; and more recently Newhaven, since the construction of a branch railway to it, las obtained a share of the Brighton and Paris traffic.
BRIGHTON. [Van Diemen's Land.]
BRIGNOLES. [VAR]
BRINDIS1, the Roman Brundisium or Brundusium, and tho Greck Brentesio, a town in the province of Term d'Otranto in the kingdom of the Two Sicilies, well known in Roman history for its capacious and safe harbour, which was the chicf port of emsarkation from Italy to Greecc, is situated on the Adriatic Sea, 200 miles E. by S. from Naptea, 44 miles E. by N. from Tarauto, iu $40^{\circ} 35^{\prime} \mathrm{N}$. Jat., $18^{\circ} \mathrm{E}$. long., and has 6500 inbabitants. The origin of Brundisium is lost in the obscurity of the ante-Roman times. Tradition spoke of a Cretan colony having early settled here; and it certainly existed as a Messapian or Sallentine city before the settlement of Greek colonies in this part of Italy. It appears to have retained its independcuce after that event, and it never received a Greek colony. It was one of the chief towns of the Messapian peninsula, and of that part of it called Calabria by several ancient geographers. The Brundisians and the other Messapians were often at variance with the Greek colony of Tarentum before the Romans cxtended their conquests into Apulia. After the war of Pyrrhus and the subjugation of Tarentum, the Romans, under the consuls M. Attilius Regulus aud Lucius Junins Libo, turned their arms against the other towns of Messapia, and seized Brundisium among tho rest, about b.c. 267 . It was made a Roman colony in B.C. 244, and from this time it roso rapidly to weaith and prosperity, partly owing to the fertility of its territory but still more to its excellent commercial situation. Its double harbour, tho inner part of which forms two lorns half encireling the town, was the chief naval station of the Romans in the Adriatic. Hannilual failed in his attempt to seize Brundisium, and it was oue of the eightecn colonies which voted men and money to assist Rome in continuiug tho war. The Roman generals and the armics during the wars with Macedonia, Greece, and Asia, almost invariably sailed from Brundisium, and here likewise they lauded on returning home. When the provinces east of the Adriatic were thoroughly subjugated by the Romans, Brundisium became a great commercial thoroughfare, and soon rose to be one of the most flourishing towns of South ltaly.

Brundisium in consequence of its position witnessed many remarkable historical cvents. Sulla, on his return from the Mithridatic War in B.c. 83, landed at Brundisium, which he excmpted from all taxation in reward for his fricadly reception in the port and town at this critical period of his lifo. In B.C. 57, Cicero lunded at Brundisium on his return from exile. Pompoy having left Rome at the beginning of tho civil war, repaired to Brundisiun, where he was besieged by Crosar, who endavoured to prevent his escape by blocking up the inner harbour by means of two piers which he raised, onc on ench side of tho entrance. Before however ho could accomplislh his object, Pompey embarked his troops in scerecy and sailed away for Greece. To these two piers mised by Casar the beginning of tho deterioration of the inner port has been attribnted. It was at Brundisium that Octarius assumed tho name of Chesar. In 13.C. 40 it was besieged by Antouy and Ahenobarbus, but its fall was averted by a rcconciliation betwecn Antony and Octavius, Soou after Antony agaiu threatened it with a fleet of 300 sail, when Mreceuas and Cocceius succeeded iu once moro making an arrangement between tho two triumvirs. The represcntatives of Octavius were accompanicd by the poet IIoracc, who has imnmortalisod his journey to Brundisium ('Sats' i. r.). Virgil died at Brundisium 1.0. 19, on his return from Greoco; aud
lore at a later period Agripplns landed with the sohes of her levbed Clermaniresa

The trat of insudifium conninted of an onter and ao inaer harbour muied by a very marow clunnel. The nuter harbour wan in a great derve obillend ly mome hlete, one of which, liarm (now lnota di Sh Abdins), wa encegneal by a Ibamot lighthoume At the eouth weitera ewi of the madation a darrow channel led to the funer hartmar, whikh on evopletely lawdiveked, deep ranigh for the largewe alime and formaesl by two arms of tho mea which mentioned abuve extradel la the whap of two homs round three alden of the town.

The calomitiep which luefoll llrimilai after the fall of the Roman evepinp, when is wat takem awd retaken ly the northera barbarians, the timeke, amil the Sianema, coutributed to the deteriomtlon of the bar by prevemting the inbabitanta frum attenting to its repair.

The Sormane fimally wrented Braseliginm frou the Giriek enipire, and the dit witnewel the manringe of J'ancredis ann lioger with the phomen frews. L"mler the Sormase the city wha the chief port of ermbiarkation for the Crumders: When theeo expeclitionn censerl it ownk into incignibcance an a maval port The twwn was sacked by louk of Hungwy in 1848, and moon after by Loutia, dutie of Anjou. is 1436 an exribquate devtrogeal the greateat part of the town: from thin diwuter the wowi never rocovereh.

Firwleriek 11. bullt a cantle for the defence of the town, wbich wha reguirod and extended by Charles V. Under tho Angevina the iuner hartiour was alrouly become antaguant pool separated from the sea by is Inthman or lar (the slow work of centuries) whicb hlocked up the ehanael between the inner and outer harboums Other marshes formed themelves in the neighbourltood; and the nir of the town, which had in ancient times been unwholesome in autumn, hecame ecriously affectel. A cut wan made acrose the isthntur, and the ecawater lieing thum let in, and the other marshes at the ame time par inily drien np, the air of Ihrindisi evielently Insproved. The depth of the clannel however in not more than about eight feet, and vessels are obliged to remain in the rowle, in which there is goorl anchurnge [artly protected by an island laving a castle upon it called Forte di yiane Sew workn hare been undertaken aince 1830 to kcep the channel of enmmunication clear and to cleanse the inner harbour of the sman of men-weeds which mocumulate very fant, and by their decay corrupt the atmonthere. Themo recent works bave brought to light many of the pille driven by Cosmr.


Cols of Mranatiam. Copper. Brit. Mus.
The preent town of Brindini occupies but a Fmall part of the site of the ascient city. It in nurrmunded on the land side by walls and dieches and brs a cantle fanked hy enomous rouud towera, and called forte di Terza, which command the northert arm of the inner harbour. Ontaide the town and not far from the castle is n fountain ahd to the of lloman construction, with a niche on each sirle, from which flow two rills of very good water, probably the fonntain menthonal by l'liny, from which the ahipa were aupplied. The water in the tuwn is brackiwh. The town in ill built and looks mirernble, and the air is mill unwholesomo in aumaner. The inhabitants carry on mome trute ly men: part of the oll of Puglia in alıpped off at Brindini. The principal object of antiquity is a pillar about 60 foot high, which fomm a conapicwous object. Another, which stood near lt, lins been monnved to froce, and the pertestal nlono remains; they wero protelily dewikned for firelececons. The cathedral in a large hut not hambom builoling of the Sorman timen, with a momalc pasement: it bran many tuark of the effecta of cartliquakea. Froterick 11. was married to hie eeoood wife, Yolanda, in the cathedral in 1225 .

Hriwile give title to an archbibog, The liarbour lan been con. oiderably impmed nince 1843 , when a lighthoune was erected, which - Laded la $10^{\circ} 39^{\prime} 17^{\circ} \mathrm{N}$. lat, $17^{\circ} 65^{\prime} 21^{\circ} \mathrm{F}$ long. The town contnina a poblic librasy, the ain of Yonriguore de Lan, a native of Irindini. The levitory of lhrimilai in distinguinhed now an In ancient timea by the mot forkility. The olive nopecially fourialies, and vant quantition of onl are meile Stosmern in the lonian lalande and Malta touch at liriodlat, which lias been recently comatitutad an entrepót for foroign gonle, with bondina warehoween.

IRRINTON, Sorfolk, a village, nml the ment of a Gilbert's Poor-Iaw Inamportion, in the lwrinh of Brinton and hundred of 1 olt, is aitu-
 and 115 mile S.S.Y. from london. The propulation of the parish to 1851 wa 190 . The living in a rectorg hele with of the rectory of Thornage in the archileaconiry and dioreeo of Niormich. Irinton,
 Iseopmration, which contained is 1861 a population of 296 . Brinton fo mall hat getety village. In the neighbourliood are two or three

H1R1ONIC 1SLES. Theme three inlauds lio on the north-east const of the Arlriatic, near the port of Tassanc, and north of Pols, in the Auntrian Clrole of Trieste They contain the quarries from which the Venetina obtained the ash-gray-coloured and highly dumble marble of which their palaces aro conatructed. The largest of the inlands is called l3rioni ; the mames of the other two are Cosede and San Glrulamo. They aro situated in $15^{\circ} 3^{\prime}$ N. lat., $18^{\circ} 53^{\prime}$ E. long.

BRIOUDH: [LOME, llatte]
IMMSLANF: [Wales, New Sottu.]
BliISTOL, a port, parliamontary and municipal borough, cathedral city, the seme of a Poor-Law Union, and a county in itself, is situated between the counties of Glonecster and Somemet. For many purponen If in conidered to be in the county of Gloncester. It stands at the junction of the rivers Aron and Frome, in $51^{\circ} 25^{\prime} \mathrm{N}$. lat., $2^{\circ} 3 \mathrm{~S}^{\circ}$ IV. long. ; 38 miles S. by W. from Gloucester by railway, 108 miles W. from London by road, and 118 miles by tho Great Wiestern railway : the population of the munfipal and parlimnentary borougha, which are co-extenaive, was 137,328 in 1851. The borough in governed by a corporation consisting of 16 rdlermen and 48 comeillors, one of Whom is mayor; and returns two members to the Imperinl Parliament. Fur manitary purposes the city is governed by a Local Boart of Health. The livings of the city parishes aro in the arehdeaconry of Bristol and diocese of Gloncester and Bristol. Bristol Poor-Law Union, which ia co-stensive with the city, contains 20 parimhes, with an area of 1810 acres, and a population in 1851 of 65,716. Bedminnter, which forms part of the borough, is also the sent of a Poor.Lnw Union coniprising 23 parishes and townahips, with an area of 52,939 acres, aud a popuIntion in 1851 of $38,171$.

Niame and Mivfory-- The wost ancient name of Bristol on record is Caer Oder (the City of the Gap, or chasm tbrough which the Aron finds a pasange to tho sea), though the sito of Caer Oter was probably the prosent Clifton. The name of liristol lins beeu apelled in nearly fifty differont ways, chicfly variations howerer of tbo form Bricgseno. Much diversity of opiuion prevails ns to the origin of the name, but it appears to bo formed of two Saxon worla, Brieg, a bridge, or Brice, a rupeure, and sfow, a place; the form Bricestow would thus have a similar meauiug to the cacr offer of the Britons.
The Romans ohtained carly possession of Bristol ; and in the time of Constantine, the time assumed by Mr. Seyer in his 'Memoirs of Bristol' for its foundation, they investod it with a sall and gater, which inclosed the area now occupied by the most central portions of the town. At the epoch of the invasiou of Cerdic the Saxon, (A.D. 495), Bristol formed part of the dominions of the princes of Cornwall, whose jurisdiction extendet over all Somersetahire and part of Gloucestershire. In 584 it was made a fronticr city of the Saxon kingdom of Mercia. Iu 596 Jordan, the companion of Ángrastine, preached on the spot now called College Green, which subsequently became the site of the monastery laile in honour of the chief inissiounry, and now of the cathedral church of Bristol. In the 11 th centnry, Brichtou, as it was called, was, from its convenience an a port, especially for enbarkation to Ireland, used commonly for the purpose of exporting alaves ; $\Omega$ practice which Wolstan, bishop of Woreester, dcnounced to the Conqueror, who ly a royal ediet forbade, though he failed utterly to extinguish, the inhuman traflic. To the early part of the Norman period the addition of the second wall aroutd the town is ascribed.
The first histurical notice of the castle occurs on the death of William I., when it was fortificd and held by Godfrey on lelaalf of Ikolert, the Conqueror'm eldest son, and appears to have been a place of considerable streugth. At the time of prepariug Domesday Book, 13rintol was a walled town and a royal burgh. The local government of the city was rested in a prepositor or chiof magistrnte, who acted under the custos of tho castlo, the caput honoris. It does not appear that the preponitor was a salaried officer, although, as he was de virnule officii escheator to the king, his rensonable chargen on that heal were defrayod; but the town was charged with tho maiutennnee of the cantle. The prepositor at the mecessjon of Williaut I. wam Ilardyng, a wealthy merchant of the town, and tho founder of the Deckeley family. Ilo whs continuel in hin office by the Conqueror, and wan succeeded on his death in 1115 by Robert, commonly callerl Fitzharding, and firat lord of Berkcley. Tho honour of Bristol was transferred from one possemsor to auother, according to the course of royal farour, till the reign of Stephen, in whose reign the castle was made oue of tho strongest fortrenses iu tho kingdum; it covered aix meres of ground, and had walls twenty-five feet thick. Durigg this atormy jeriod the prepositor of tho town, Robert Fitzhardiug, was employing a portion of hin wealth in crocting the ahbey of St Auguntinc, uow the cathedral chursh, and in founding the priory of St, Jamex, submequently the parochial chureh of that name; and William of Malnesbury writes that the port was at that time "the resort of shipe coming from Irelnnd, Norway, and other countrien beyond nea." llenry 11. on his accession (1161) resumed the roynl jurisdiction over the sowne, catblea, de, whlch belonged to the crown, by takiag them Into his own haodn; lut tweuty years clapsed before ho obtaineal pomenaion of the cantle of Bristol, wheu (1175) the earl surrendered it to the king. Brintol lond thum evidently becone a port of nome note in the 11 tb century; and in the 121 h century ( 1164 and 1190) chartera were granted by Henry 11. which placed liristol in a most
favoured position among commercial towns. In the reign of Henry III., on occasion of a visit by that monarch to Bristol, the privilege of ehoosing a mayor and two prepositors was granted to the burgesses. The functions of the prepositors from heneeforth were similar to those of bailiffs or sheriffs, into whieh offices their own subsequently lapsed; and upon the mayor devolved the duty of escheator to the king. The king frequently farmed out the revenues of the town to individuals at a yearly rent for a short lease. The trade of the port having outgrown the extent of the quay, whieh stretched along the then bank of the river, the burgesses resolved to cut a new course for the Aron. The ground necessary for the purpose was ceded to the mayor and commonalty by the abbot of St. Angustiue's for the sum of 10 marks. In 1239 the work was commeneed; it was completed about 1247. An extent of quay of about 2400 feet was thus obtained, and the channel of the river was dug 18 feet deep and 40 Jards wide at a very heavy expense. About the same time Redeliff or Radcleeve, on the Somersetshire side of the Avon, whes united to Bristol; a wall was made to embrace tho united towu; a stone bridge was built from one to the other, and both shared in forming the new harbour. Redcliff shortly became the seat of those manufactories which from the 13 th to the 16 th century almost entirely supplied England with cloth, glass, and soap. In the year 1243 it is recorded that Bristol-inade soap was first sold in London.

During the unsettled state of the kingdom in the reign of Edwand II., the town was for some time held by the citizens against the sovereign. The rebellion began in 1311; aud the town held out for the space of four years, during which time it continued to exist, a little republic in the heart of a monarchy. The local government was carried on according to its ancient form, except that the burgesses held the authority of the castle at defiance, and, for their better security, built against it a strong wall with forts, traces of which of an immense thickness have been discovered in making excavations on its site in Dolphin Street, anciently, from this faet, termed Defence Lane. In 1332 the traffic of the port on whieh customs were levied comprised live stock, agricultural produce and fish, wiue, wool, skins, linen cloths, and cloth of silk, 'Irish Galway cloths,' salt, ashes, houey, iron, lead, alum, brass, tallow, millstones, copper, leather, oil, and wood. Various charters and protections were from time to time awarded to Bristol; these sometimes referred to the woollen manufacture. In the 27 th of Edwand III. a wool staple was fixed at Bristol, aud tho 'cloth of Bristol' aequired a high reputation. In the 47 th of the same reign Bristol was made a county in itself; the jurisdiction of tho castle was confined to its own precincts, and the independence of the town from any feudal rights was established. The succesive charters granted to Bristol were very numerous; three were granted during the reign of Riehard II. By one granted in 1377 the townsmen are empowcred to levy new duties on timber, coal, bark, flax, hemp, piteh, tar, wax, pepper, fruit, almonds, and ehalk. As early as 1437 Bristol had extended its commerco along the whole west coast of England, to South Wales and Ireland, and to France and Ruseia At that dato it appears that the commercial shipping of Bristol comprised 66 'ahips' and 64 'boats.' Tho exports comprised cloth, iron, glass, cutlery, honey, meath (mead), alum, pitch, wine, salt, fish, and cardjs (cordnroys). The imports were very much more numerous; among the most material were iron, Irish cloth, tin, skins of lambs, goats, calves, sheep, \&c., hides in barrels, fish, salt, wine, oil, and fruit. These were the articles charged with customs or port dues; but the townsmen traded in numerous articles exempt from imposts, and not included in this list. In 1442 the eommons ordered eight ships, having each 150 men , to keep the sea coutinually, of which number Bristol was directed to furnish two; and twelve years after, when a fleet was ordered for the protection of trade, London lent towards its fitting-out $300 l$. and Bristol $150 l$.

On the accession of Edward IV. to the crown, 1461, bo came, in his progress through the western counties, to Bristol; and after same concession on the part of the townsmen, he confirmed to them all their former privileges. In their negotiatious the townsmen were mueh aided by a wealthy merchant, William Canynges, of whom it is recorded by William of Worcester that he employed for the space of cight years 800 seamen, and every day 100 artifieers. Among three persons, to whom the honour of founding Redeliff church has been ascribed, Canynges is one: the other two being his grandfather and Simon de Bourton. From a charter granted by Ifenry VII., we learn that tho town then possessed a recorder, which officer and five others, to be chosen by the mayor and common council, were appointed aldermen, with powers equal to those exercised by tho aldernen of Loudon. The merchants of Bristol entered with spirit into the exploratory royages of Sebastian Cabot, who was a native of the town. In the reign of Henry VIII., among the suppressed religious houses of the greatest notc, were the monastery of St. Augustine, now the cathedral chureh, and the hospital of the Gaunts, now the mayor's chapel. Ifenry VIII. founded upon the ruins of the abbey lands a bishopric, the town having previously formed part of the diocese of Salisbury. In the year following, 1546, a mint and a printing. press were set up in the castle. Bristol contributcd towards the fleet intended to oppose the Spauish Armada. In 1609 Newfoundland was colonised from Bristol. Bristol became early involved in tho contest between Charles and the merchants reqpecting ship money. The city was held by the Parlia-
czoa. DIV, Yous $\mathbf{i f}$.
meutarians. The eastle was demolished by order of the Parliament in 1656. In 1663 Charles II. visited Bristol. By an Aet obtained in 1699 the corporation, for the better preservation of the river, extended their jurisaiction 4 miles along the course of the Avon inward above Bristol bridge. In 1793 Bristol was disturbed by riots having their origin in a eircumstance of local interest: they are spokeu of as the 'bridge riots.' A disturbanee of a much more disastrous nature occurred in 1831, on the oecasion of the visit of Sir Charles Wetherell to Bristol. He was reeorder of the city; and his opinious which were adversc to the Reform Bill gave origin to a, commotion whieh ended in a serious riot. On October 29th a lawless mob set fire to the city prison, the Gloucester county prison, the mansion-house, and the bishop's palace ; and during the ensuing night 45 more public buildings, and almost as many private houses were destroyed. On the following morning the military dispersed the mob after killiug 12 persons, and wounding 96. The property destroyed was estimated at 200,000 . ; and Bristol has ever since paid a rate of about 10,000 . a jear, in liquidation of the losses.

Site, Aspect, Streets, de.-The rivers Avon and Frome have their course through Bristol-the formar being the larger river. The city is built at about eight miles' distance from the mouth of the Avon; its site is for the most part a thick bed of sand, whieh generally yields water at the depth of a few fathoms. Some portions of the city are built on ground so steep as to render the formation of carriage-roads almost impracticable. Kingsdown, St. Miehael's Hill, and Brandou Hill, rise nearly 250 feet above the level of the river. There are seven eminences within the limits of Bristol, taking it in its greatest extent; and the streets are built on these eminences and in the hollows between them. Bristol is nearly ten miles in eircumference. Several Acts of Parliament have been obtained during the last thirteen years, conferring the necessary powers for earrying out various public improvements in the city, by the formation of uew streets, providing a sufficient supply of water, \&c.

Public Buildings and Institutions.-There are about forty churehes and chapels belonging to the Establishment in Bristol, Bedminster, and Clifton; and about an equal uumber of places of worship belonging to LRoman Catholics, Independents, Baptists, Wesleyan Methudists, Calvinistic Methodists, Quakers, Unitarians, and Jews. The church of St. Mary Redcliff has been long admired as a grand example of gothic architecturc. It is supposed that this church was built at four different periods, ranging between 1200 and 1400. It is considered by many to be the finest parish church in Lingland. The tower reaches to a height of about 200 feet. The north porch is a rich specimen of the decorated style, but had fallen considerably to decay, when in 1848 a subscription was commenced which led to the alontion of a plan for the entire restoration of the church. A society has siuee been established, under the name of the Canynge Society, to carry out the restorations as fast as funds can be provided, and to issuo annual reports relating to the progress of the works.

The cathedral church, anciently part of the Abbey of St. Augus. tine, possesses one of the finest Norman gateways in the kingdom. The church contains fiue monuments by Chantrey and Baily. St. Stephen's church was rebuilt about 1465 , on the site of a nueh older edifice. Its chief ornament is the tower, 133 feet high, whieh is a fine example of the perpendicular style. The Temple chureh was fonnded in the reigu of Stephen by the Knights Templars; but the date of the present structure is not known. The Temple Meads, being part of the lands belonging to the house of the Knights Templars, were exempt from tithes, and remain so to this day. All Saints, or All Hallows, was one of the most ancient ehurches in Bristol, but the present structure was erected about 1470. St. Augustine the Less was founded by the abbots of St. Augustine's Monastery as a, chapel for the accominodation of the inhabitants who had erected houses withiu the precinets of the monastery: the present structure was built in 1480 ; it was improved in its interior arrangements in 1843. St. James's ehurch was built and consecrated as early as 1130 ; the tower was added and the church made parochial in 1374. The nave and north aisles are parts of the original Norman strueture. This ehureh has reccntly undergone extcnsive restorations. The church of St. John the Baptist consists of but one aisle, and is the smallest in Bristol : it was built about the middle of the 14 th century; considerable alterations have beeu recently made in this building. The Mayor's Chapel, formerly the collegiate church aud hospital of the Virgin Mary aud St. Mark, is a small but highly-enriched structure, with numerous effigies and monuments. The church of St. Philip and St. Jacob is supposed to have been ereeted sonce time before 1200 ; the venerable structure being mueh dilapidated was recently repaired. St. Thomas's chureh has a tower whieh was built in the 12 th century. Bristol is thus particularly rich in old churches, nearly all of whieh have been more or less restored within the last few years, chicfly by means of private subscriptions. Soveral new churches have been built since 1836. Of the three Romau Catholic chapels in the eity, one opened in 1843 is a beautiful stiucturc. Many of tho chapels of Protestant Dissenters havo been crected within the last few years. The Jews' syuagogue was, previous to 1842, a Quakcrs' meetuig-house.

Tho Free Grammar school was founded in 1532 by Robert Thorne. The endowment has recently undersone a Chancery iuvestigation, the result of which was that in 1848 the sehool was reopeued on a very
 Colbors Gimmorr ebool wa founded by King Henr Fir., for Ndeniting the diacing boge of the cathelral. Queon Filizibeth's Froe Oimamar achool lo a suall endowel outablishment uniler the control of the corponetion. Qnem Flizabeth's Hoppital wan founded $\ln 1556$ by Johe Carr, for boanlins, elothlag, and cllucating poor childrea and orphana of thio eity and of ibe masor of Congreabury. The otesto han -o greauly improvel in ralue that the trusteces baro boen onshleat to lecreno ibe aumber of boge from 38 to 132 , to eulargo the rango of tiantrection, and to build a heantiful strueture in lieu of the old ono to Claristinn Strese. The new hopital what openod in 1847. It is sitesterl on the wrotern nlope of Bramlon Hill, on a site of four acres; anol en theos in men ecent of 48 stepe up the slope of the hill to the buildipes the building fualf is shown to great adrantage Tho boopital in nearly 400 feet in length, ancl in anply supplied with acbool rooma, doruilurice, laratorios, bathe, wardrobe room, dining.
 Frow mhool (at which Chatierton was educated), Teniple Street sch ool, the lled Maido achool, Ellhridge's Charity mchool, St. Augustino"s Charity melhool, and tho Pilo Street chool, aro amous the older puhlic achoote of hirisol. Iu the Red Maids achool 80 girlis (clothed in rod) weere to be boarded and clucated till the ago of 18 ; the inaproved raluo of tho entato has canllel the tristees to iucrene the number to 120, and to build a fine now wchool-bouse in the Flizabethan style, which has reeenty been openal.
Ammang the more nodern sehools of the cits is the Bristol College, founded in 1830 by a proprietary borfs, on tho plan of Kiug's College, London: the eollege is in Park Street. The number of scholars in 1859 wa 60 . Tho Bristal Education nchoob, the Clerical Education nechool, the Britol Dioceasn and Cathedral Middle Day nehool, the Berchante Manl school, the Marino school, the Blue-Cont Girls school, tho Brintol Adult school, the Hannah More echoole, nad the Couuterslip nchoold are among the numerous public schools of Bristol; to which wurt bo wided tho Sational, Britinh, Infant, and langed scliools. Tho kiplitit denominntion has a collego for the education of young men intendel for the mlnultry. The college, which was founded in 1770, and has an endowment of 946 a year, had 19 atudents in 185 ?
Tho boapituls and mincellancous charities of Bristol are very pumproas. SL Poter's Hfospital, a very old huilding, is approprinted for the relief of the nick poor. The Bristol Infirmary, in Marlborough 8 sment to a large strecture, with suffecient apaco andi funds to receivo 200 in palieuta. Tho Bristol Dispeusary and the Clifton Dispensars, the Rratal General IIompita, the Lying.In Iustitutiou, the Eye rmarmerg, and aoreral Dorens mocletert, assist in various ways the rick poor. The Asylum for the Blind, in lark Strect; the Bristol Doaf and Duaih Inotiution, in Park Row; the Ayslum for Orphan Girhe ; the Clerey Society and the Gloucestermiiro Society are nmong the oumerous ebarritable invititutions; to which may bo added about S0 almomonemea and mifuor charitices.
The fristen frnatitutlon, shandnome building erected in Park-street, ol wed in 1823, has a reedling room, a maill lihrary, nad a musenm, comtaining \& tery fine collection of ancient and inodern works of art ; amoug which are Prily"s statue of Evo at the Fountain, and a complete net of cute from the $E$.ginn marbleen The museum also contudns rich collections in natural history and minoralogy. The Mristol Latrary, tho Brintol Law Library, and tho Medical Library aso the priceipal puble litmrics in the eity; the first named, boxides a horgo library, har a raluablo muneum of naturnl history. The Sthotol A themecum in a literary and scientifc institution for the middlle elvina; its lectures are dellverel at the Rogal Albert Rooms. Tho Vieforis Ilooms form one of the best modern huildings in Brietol; the lento ball ha 117 foet long, 55 feet wide, and 17 foet high. The hallding in und for conceith, exhlbltions, and mectinge. There aro lo Brivel an membly room, and a theotre
of the municfel Uullding the Couneil-houne was built in 1824 in Abo Julinen atyle; orer the princlpal entranco ion fiue figuro of Juttice, lig Paily. Annexel in the Council-house is a common hall for the diany a dinaminemition of jurtice Tho Pridewell Prison, la Briderell Thee, wan robulle aner the rot in 1831. Tho jail, near Dathurst Puing to olugn and atmang arieture, fintihed in 1820 . Tho Custom Howe and the Fixcles Oniceo were both reluulle aner the riota. The Hixhanta built sbout 1740, , 4 a nuilrangular cilifice, 110 feet long by 188 foed to depeth. The Interior to now occupled ehlefy as a corn: marta, the merchanten proferring to unemblo in the Commeroini
 and forman moll armagel commerefil nad now-moms Tho Merchant Patnrer Man, lo King strvet, belooga to a mociety, or company,

 hendel yropert. This th the ooly tading compeny remnining out of twoity ibreo which were io exitreise in liriteol a century ago; the hallus belonging to thot comperime aro now wocupriel an exhibition-rooms
 lo e rery enricbed opetwen of the Tullor itsle, having a central tower and two wiage The contral tower If lonler than the winge. The

foet high ; two Courts of Rankrupteg, ench 30 feet hy 24 feet, and 14 foet hight; and a Grand Jury Room, 33 foet by 15 feet, and 14 feet high. The architect wan Mr. M. S. Pope, of 1 ristol.
Behind the exehnago are the principal nanrkete, lesignated the High Strmet and the Xieholas Street marketh. Iu the former are threo arcales for tho salo of butter, clieeso, poultry, eggs, and bacon ; thero is aleo a handsome new markethouso for meat and vegetables. Theo Nicholan Streot market is for meant and poultry. Other markots aro locatod $\ln$ different purts of the citf. At the zuarkets held in tho Leather Hall in March and Sentember, moro leather is anid to bo solld than at any other ir or market in tho kingdorm.
Dockin, Commerce, Manufactures. - The docks were commenced in 1804, by a proprietary body, nud wero first opened in 1809. Tho old cbannel of the Avon was courerted into ono floating harbour, about three miles in length. The quays were mado to extend froum Bristol bridgo to the small stono hridge across the Frome, where that river ceases to bo anvigable, and form threo sides of a parallelogran, the eastern and southern being washed hy the Avon, the western by the Frome. The total extent of qnay is 2000 gards; hut theso limits ndmit of any extension along the banks of the harbour below the town which the increase of trade may require. There are two lasinis for the teniporary accommodation or vessels entering or quitling the harhour. Cunberraud Basiu, at Rowuham, principally nsed by large vessels, cxtends in length hetween tho locks 275 yards, in extrenio width 147 yards; it becomes smaller towards the month, and elupties itself through two loeks into the Avon. Bathurst Basin, east of Cumberlnad Basin, about 300 yards below the iron hridge at Redminster, communicates with the Avon branch of the harbour, above its junction with the Frome, and cnpties itself into the river Aron through a singlo lock: it is usoll hy the consting. ressels, and is ahout 170 yards long, and of an average width of 80 yards. By the coustruction of the Larbour, important facilities were afforded to the trade of the port. The actual cost of the doeks exceeded 600,0002 . and the dividend has seldem exceeded 2 per cont. An Aet was obtained in 1542 for improving the floating dock.
About 60 years ago liverpool began to overtakc Bristol in shipping and commerce. In 1786 tho toinnge belongiug to the port of Liverpool amounted to 49,541 tons, comprised in 465 ressels; the number of vessels belonging to the port of Bristol in 1787 was 360 , with a hurden of 56,909 tons. In the amme yenr the entire trude of Bristol stood thus:-Foreiga trado-British vessels in, 255, tonnage 38,502 ; out vessels 243 , tonnage 37,542 : forcign bottonss in, 69, tonnage 11,112; out 66 , tounage 37,542 . Coastiug trade-in vessele 1862, tonnage 66,200; out remeels 16S2, tonuale 62,139 : Irish vessels iil, 161, tonnage 9623; out 139, tonnage 9187. The port charges of Bristol having been considorably in oxecess of the clarges at the ports of Loudon, Liverpool, 1 full, and Gloncester, this circuustance teuded to draw shipping awny frow bristol to the other ports; nud with n view to check the deelino which had been gradually taking plaee in the commerco of Bristol, a ucw arrangenent of the dock charges on a lower scalo was adopted under the powers of an Act of Parliament obtained in 1848. By this Aet the docks were traniferral fromin the company to the corporation. Additional gronuds belongiug to the courpany were doclared to be within the city of Bristol, in order to the betier exercise of corporate privilegar. The dock dues which formerly yaried from ©d. to 3s. per ton, were reduced so as to range from 1d. to 18. A borough assessment of $4 d$. in the pound in to make up the loss aceruing from the elhange. On Noveluber 13th, 1848, a grand procession paraded through Bristol to commemorato this important alteration. It has been found that the arrivals and departures of sliipping have considerahly inereased since the new system was adopted. The number and tonnage of reasels registered as belonging to the port of Bristol on December 318t, 1852, were :-Sailiug reasels uuder 60 tons, 153 , lonnage 4577; above 50 tons, 191, tonnage 46,497 Steam resseck, under 50 tons, 12 , tounngo 304 ; above 50 tons, 19 , toinange 3743 . Duriug 1852 thero entered and elearel at the portin the consting trade, sailing ressels, inwaris, 850 , tomuago 312,256 out warda, $370{ }^{\circ} 5$, tonuage 238,377 : steam vessels, in iwarls, 208, tounnge 65,471 ; out wards, 207 , tonnange 65,486 . In the colonin trade there were, inwarde, 180 vensels, of 66,171 tons; and out wards, 107 restele, of 37,131 tons. In tho foreign trado the numbers werc:- Sailing remach, lawards, 450 , tonnage 68,457 ; outwards, 155 , tonuage 42,756 steam remeels, one intrards, 111 tous; and one outwards, 590 tons.
The forelgn trade of Bristol principally consists in imports of sugar, runn, wine, brandy, colonial and Baltic timber, tallow, hemp, turpentino, barilla, dyo-woods, friuts, whent, and ter. The prineipal artieles of export nro iron, tin, bricks, refinod sugar, glaes bottles, 1ribl linen, and mnnufacturel goods. Drintol deriven a considerable portion of her sulply of forcigm produce coastwise under bond priucipally from Londou and Liverpool, but almo from the minor ports of Cloucaster, Newport, 13ridgewnter, Exoter, llarmstaple, and Bideford. The constr $\operatorname{lng}$ trade of Brintol is very ounalderable, particularly with Ireland. Thic fumporta prineipally consist of iron, tin, coal, salt, Irish linens, and agricultural produce: the exporth, of artielen of foreign and coloninl produce, particularly groeerios, ten, wines, and spirits, and of the manufnctures of the place. The existing manufactures of Bristol are glant bottles, crown and fint glane, brass-wire, pins, sheet-lead, zinc, apeltre, chain-cahles, anehores, mnchinery, drugs, colours, dyee, paintod
floor-cloth, earthenware, refined sugar, starch, soap, British spirits, tin, copper and brass wares, bricks, beer, porter, pipes, tobacco, and hats. Most of these manufactures are carried on within the city or in its immediate ncighbourhood. The principal factories are those for glass, sugar, iron, brass, floor-cloth, and earthenware. There was established about fifteen years back a very large joint-stock cotton factory, under the title of the Great Western Cotton-Works. It consists of an immense range of spinning, weaving, bleaching, and repairing shops.

The principal bridge is that connecting the centre of the town with tho Redeliff side of tho Avon; it is built of stone, and has three arches; the centre arch is elliptical, with a spau of 55 feet, the side arches are semicircular, each 40 feet in span. A swivel-bridge of iron, opened in 1827, in the place of the old drawbridge, crosses the harbour, connecting the parishes of Clifton and St. Angustine with the city; and two iron bridges, each with one arch of 100 feet span, cross the new course of the Avon, severally connecting the city with the Bath and Wells and Exeter roads. In 1838 an Act was obtained for constructing St. Philip's Bridge ; and in 1842 a second Act empowered the widening of the bridge. For the suspension-bridge over the Avon, the original Act was obtained in 1831 ; several subsequent Acts have beeu obtained, permitting the postponement of the workn, about $30,000 \%$. more than the amount collected and expended being required to complete the undertaking. The Portbury Pier and Railway Company have a clanse in their Act, enabling them to complete the bridge iu conjunction with their railway; but the proceedings of the company are wholly snspended.

The connection of Bristol with other parts of England by means of the broad-gange railways is efficient. The Great Western line extends throngh Bath and Reading to London; tho Midland line through Gloucester and Birmingham to the north; and the Bristol and Exeter line to the south and west. The communication with Wales is partly by steamers, which pass down the Avon and cross the Severn to Chepstow, Newport, Cardiff, dc.; and partly by means of the Aust Ferry, to which a roul of about eight miles leads from Eristol. The joint-station at Bristol is a large structure in the Tudor style. A small branch, abont four miles long, leaves the Bristol and Exeter railway at Yatton, about twelve miles from Bristol, and ruas to Clcvedon, on the bank of the Severn opposito Cardiff.

Clifton, Hotwells, de. - The rockn in the immediate neighbourhood of Bristol are composed of carboniferous limestone, coal-measures; and the newer red-sandstone formation, with the dolomitio conglomerate. In the last formation there have been discovered some naurian remains, which form three new gencra. The rangen of mountain limestone at St. Vincent's liocks aro remarkably fine; the coal-fields extend north and south of the city abont twenty-eight miles, bnt the beds are thin as compared with those of the other coal-districts of England. The rocke at Clifton mpply a ealine rluring; the temperature of which from the pump is $74^{\circ}$ Fahrenheit, and it then evolves free carbonic acid gas. It is principally celebrated for its beneficinl influence in consumptive cases. The Hotwcll Housc is situated heneath the rocks, looking on the river, along the banks of which a carriage road leads from the well round the rocks to Clifton Down; but a readier means of access to Clifton is furnished by an casy serpentine path, leading up the rocks from behind the Hotwell House. The acenery around Bristol, particnlarly the Clifton Hotwells, is very beautiful, and the botanical features of the country are highly interesting. Clifton has long been a favourite residenco for weslthy persons. The hotels, crescents, parades, assembly-rooms, hibraries, \&ic., are such as are met with at most watering-places. The portion of the Hotwells district nearest the city is becoming surrounded by commercial and shipping establishments; but higher up towards Clifton and St. Vincent's Rocks there are still left some fine walks and rides. There are not many open spots within the limits of Bristol ; but the heights around the city afford numerons pleasant walks, nuch as more level towns are deficient in. The College Green, Brandon Hill, Tyndall's Park, Cotham, and Clifton, are all open to the inhabitants. On Clifton Down are the Zoological Gardone, opened in 1836 , to which a botanic garden is attached.

BRISTOL CHANNEL. [SEVERN.]
BlR1STOL, U.S. [RHODE LsLaND.]
BRITAIN, GlREAT. [Gbeat Bnitain.]
BRITAIN, NEW. [New Britain.]
BleITANNIA, the name by which the Island of Great Britain is inentioned by the Latin writers. We proposo in the present article to give a notice of its ancient inhabitants, with a very brief narrative of the Roman conquest and occupation of the conntry.

The earlient inlabitants of Britain, so far as we know, were probably of that great family the mniu branohe of which, distingnished by the designation of Celta, spread themselves so widely over middle and weatern Einrope. The Welsh and Danish traditions indicate a migration from Jutland ; and the name of Cymry, given to the immigrant people, has been aupposed to indicato their probable identity with the Cimmerians (the Kıц ${ }^{\prime} p i o r$ of Herodotus, and the Cimbri of their more ancient seate north of the Euxine, traversed Europe in a north-weaterly direction, and founded new settlements near the Baltic
and the mouth of the Elbe. These barbarians then reached Britain by the same route which was afterwards traversed by the Saxons and Angles. The Celts crossed over from the neighbouring country of Gaul; and Welah traditions speak of two colonies, one from the conntry since known as Gascony, and another from Armorica. At a later period the Belgæ, actuated by martial restlessness or the love of plunder, assailed the south and east coasts of the island and settled there, driving the Celts into the inland country. These Belgæ were a branch of the great Teutonic family.

Before the arrival of Julius Casar in Britain the island was but imperfectly known to the more civilised nations of the ancient world. The people of Carthage and Massilia (called Massalia by the Greeks) or Marseille, traded for tin with certain islands called by Herodotns Kaббitepifes (Cassiterides), the 'Tin Islands;' which are supposed by some to have been the British Isles, or at least Cornwall and the Scilly Isles.

The etymology of the word Britain has been much disputed. One of the most plausible is that which derives it from a Celtio word 'brith,' or 'brit,' (painted, Camden); in which name it is supposed there is a reference to the custom of the inhabitants of staining their bodies with a blue colour extracted from woad. Carte says that the name in the most ancient British poets is 'Inis' (island) 'prydhain.' Whether this form or that of the Roman writers furnishes the best clue to the original form of the native designation is perhaps questionable. The meaning of 'prydhain,' if it be anything more than a corrupt form derived from the root 'brit,' does not seem to be known. It would be to little purpose to give other etymologies, or to enter further into a matter in which certainty is so little attainable.
Ceosar is the first writer by whom any authentic particulars respecting the island are given. Stimulated probably by the desire of military renowu, and of the glory of first carrying the Roman arms into Britain-provoked also, as he tells us, by the aid which had been fnrnished to his enemies in Gaul, cspecially to the Veneti (the people of Vannes in Bretagne), and other maritime people of Western Gaulhe determined upon the invasion of the island. As a preliminary step he summoned to his camp a number of the merchants who traded to the island (who alone of the Gauls had any acquaintance with it), and to them he addressed his inquiries, Their cnution however, or their ignorance, prevented his learning much from them. Failing in this quarter, one of his officors, C. Volusenus, was sent to reconuoitre; but he did not venture to leave his ship, and trast himself on shore among the natives Casar, no way deterred by this want of information, collected a fleet, and disposed his forces with a view to the dessent.

The description which Cresar gives of Britain in his 'Commentaries' is as follows:-
"The inland part of Britain is inhabited by those who, according to the existing tradition, were the aborigines of the island; the seacoast by those who, for the sake of plunder or in order to make war, had crossed over from among the Belgæ, and in almost every case retain the names of their native states from which they emigrated to this island, in which they made war and settled, and began to till the land. The population is very great, and the bnildings very numerous, closely resembling those of the Gauls: the quantity of cattle is considerable. For money they usa copper, or rings of iron of a certain weight." Tin (plumbum album) is produced there in the midland districts; and iron near the sea-coast, but the quantity of this is small ; the copper which they use is innported. There is timber of every kind which is found in Gaul except beech and fir. They deem it unlawfnl to eat the hare, and the hen, and the goose; these animals however they breed for amusement. The country has a more temperate climato than Gaul, the cold being less intense.
"The island is of a triangular form, oue side of the triangle being opposits Gaul. One of the angles of this side, which is in Cantium (Kent), to which nearly all vessels from Gaul come, looks towards the rising sun; the lowert angle looks towards the south. This side extends about 500 milcs. The next side looks towards Spain and the setting sun. On this side is Hibernia (Ireland), considered to be about half the rize of Britain; but the passage across is of the same leagth as from Gaul into Britain. Midway in this passage is an island which is called Mona (Man); many smaller islands also are thought to lie in the passage, concerning which islands some have written that about the winter solstice they have night for thirty days together. We could not ascertain anything upon this point by inquiry; but we found, by using certain measurce of water, that the nights were shorter than on tho continent. The length of this side, according to the opinion of the natives, is about 700 miles. The third side fronts the north; there is no land opposite to this, hut one angle of it extends very much in the direction of Germany: this side is thought to be 800 miles iu length. So that the whole island is 2000 miles in circuit. $\ddagger$
*The copies here vary very much. We have followed the text of Oudeadorp, as edited hy Oberlin. Lipsim, 1805.
+This is a literal rendering of Cexsar's expression 'inferior,' the meaning of which it is rather diffecult to fix. He clecwhere states that the 'lower 'part of tho island was the more westerly (Lih. 1v.0.28)-inferforem partem Insulio quæ est proplus solis occasum.
\& The lloman milo was ahout twelve-thirteenths of the English mile. It is searcely necessary to ohserro that Cæesar's description of tho faland is erroncous in several respects.
"Of ast the natirex, thow who Inharit Cancium (Keat), a dintrict the whote of whide la near the coast, ano by far the most civilinel ; nond do Dos dififer much la their cuatumy from the Gaule. The inland proplo for the mons part do not sow corn, bett live on snilk and flesh, nad bore their clothing of akias. All the Britonm however otain themnelves with wroal ( $\alpha$ rifro indeiunt), which makes them of a blie tinge. and gire tbem a more foarful apprearnice $\ln$ batlle: they alno woar thair hair long, and shave every part of the body except the head and the opper lip. Eivery tee or twelve of thom have their rives ln commoa, opecially brochers with brothers and parente with children; but is any chihiren aro borm they are accountai the children of those by whom firt ewch riggin was expoused."

## (Lib. r. c. 12, 11.)

As to the relligion of the Britons, Druidism flourished among them in all fea vipour. Indeel this singular superstition was considerel by the Ganle to hare originated is Britain. The following is Casar's mocount of the Druide :-
"They aro minlatere of mered thingn; they havo the charge of ascribes both publio and prirato; they give directions for the ordimanees of religious worahip (rdigiones inferprelanfur). A great number of young men resort to them for the purpose of instruction in their orstem, and they are held in the ligghest reverence. For it is they \#ho deternino mont dirputes, whether of the affairs of the state or of indivinuale; and if any crime has been committod, if a man has boen olain, if there Is a contet concerning an inheritance or the boundaries of their land, it is tho Draide who nettle the matter; they fix rewards and paniahments. If any one, whether in an individual or public carmeity, refuses to nbislo by their rentence, they forbid him to come to the marisioes: this puniahmeut is among them very severe; those on whom this interliet is laid are secounted among the uuboly and socureed; ali fy from them, and shnn their appronch and their convermetion, lest they should bo injured by their very touch; they are plocod out of the pale of the law, and excluded from all ofices of howour.
"Over all these Draids one provides, to whom they pay the highest repart of any amoug them. Upon his death, if there is any of the other Druids of maperior worth, he succeeds ; if there are more than ono who hare equal claimes a succestor is appointed by the votes of the Droids; and the contert is sometimes decided by force of arms. Thow Druide hold a meeting at a certain time of the year in a conseersted rpot in the conntry of the Carnutes (people in the neighbourhood of Chartren), which country is considered to bo in the centre of all Gaul. Hither maernble all from every part who have a litigation, and submit themmelvem to thelr determination and sentence. The agntem of Druidism in thought to have been formed in Britain, and from thence carried over into Caul; and now those who wish to be more wecurately rernod $\ln$ it, for the most part go thither (that is, to Briluin) In orler to bocone acquainted with it.
"Tho Druidn do not commonly ongage in war, neither do they pay tuxe like the rest of the community; ther enjoy an exemption from millienry serrice and froedom from all other public burdens. Induced by theo advantagos, many come of thoir own accord to be trained up arnong them, and others are sent by thoir parents and connections. Thaj are ald $\ln$ thin courae of instruction to lonra by heart a number of rowes, and nome mocondingly remain twonty years under tuition. Nor do the Drulds think it right to commit their instructions to writine, although in mont other things, in the accounts of the state natl of Indiridunla, the Gireek characters are used. They appear to ras to have alopted this coumo for two rensons-becnusc they do not wiah either that the knowiedge of their syatem should bo diffused atmong the peoplo at large, or that their pupils, trusting to written charnctera, ahould bocomo leen careful about eultivating the memory; berume in moont caven it happens that mon, from the eecurity whlch -rithon ehmelors aford, Dmoome carclows ln acountring and retaining knowlelgos It in enpecially the object of the Druids to inculeate this that asula do not perish, but a ter death pan into other bodies; nod tber contlier that ly thii bolief more than anything else men may bo lecl to eat awny the fear of donth, and to become courngeons. They disuras moreorer mnay pointa concerning the heavenly bodien mol ibetr wotion, the extent of the unirerno and the world, the nature of thloge the tanuemee mal anility of the immortal gods; and they favtroct the youth in thene thlage.

The whole nution of the Uauls is much aldicterl to religious oberranem, aod on that socount thowo who aro attacked by any of tho more crioua did wes, and thom who aro involved In the dangers of warfans, cither offer human macribion or rrake a vow that they will ofr thom, and they eroploy the Druids to officinto at thene tacrifices; for they condler that the favour of the limmortal gods cannot be cons. cilisted unlem the life of one man ho offerel np for that of another;
 monte of wheter wrork and fill with living ment, and wetting them on
 corturs of thom tho hare imen takea la the comnmintion of theft or opeo robbery, or in any crime, in more agreable to the immortal gods; bat whea charo is bot andicient aumber of crinulmaln they scruplo not in Insiet thin tortore on the innowah.
${ }^{*}$ The chiof delty whom they wnowip in Mercury; of him they have tany imangen, and they consider bill to to the inventor of aft
arta, their gulde in all their journeys, and that he has the greateat influonce in the pursuit of weallh and the affirs of commeree. Next to him they worship Apollo and Mara, aud Jupiter and Mincerv; and nearly recemble oflicr nations in their viows respecting these-as that Apollo wanls off diserses, that Mincrva communicates the rudiments of manufactures nad manmal arts, that Jupiter is the ruler of the celcatials, that Mars is the god of war. To Mars, wheu they have determined to ongage in a pitched battle, they commonly deroto whatever spoii they may take in the war. After the contest they slay all living creatures that are found among the spoil ; the other things they gather into one apot. In many states, heaps raised of these things in consecrated places may be seen; nor does it often happen that any one is so unscrupulous as to conceal at home any part of the spoil, or to take it away when deposited : a very heary punishment with torture is denounced against that crime.
"All the Ganls declare that they are descended from Father Dis (or Piuto), and this they say has been handed down by the Druids; for this reason they distinguish all spaces of time not by the number of days, but of nights; they so regulnte their birth-days, and the begiuning of the months and years, that the day shall come after the night." (Cexsar 'De Bell. Gall.,' lib. vi. 13, 14, $16,17,18$. )
Although in what relates to or is closely connected with the system, of the Druids we have quoted that part of Ceesar's 'Conmeutaries' which has relation to Gaul, we have thought ourselves authorised in applying his description to Britain by his declaration that the system existed iu its greatest vigour in that island. Of the accouut which be gives of the civil institutions of the Gauls we do not feel ourselves completely justified in making a similar application, although it is likely that in their political and social arrangements a considerable similarity existed between the two countries.
In the nutumn of the year 8.c. 55, Casar, embarking with the infantry of two legions (abeut 8000 to $10,000 \mathrm{men}$ ) at the Portus Itins (probably Witannd, between Calais and Boulogne), arrived with part of his fleet, after a passnge of about ten hours, on the const of Britain, and beheld the steep cliffs which skirted the shore covered with armod natives ready to dispute his landing. Proceeding about sereu miles farther, he disembarked on the opeu and level beach which presented itself to him (26th of August). The place at which Cesar first touched was near the South Foreland, and he landed somewhere on the flat shore which extends from Walner Castle towards Sandwich. He did not make good his landing without a severe struggle. But the season was late, and Cresar made apparently no progress in the islnad. Being anxious to return, bo contented himself with requiring an increased number of hostages, whom he commanded to be brought to him on the continent, for which he immediately embarkerl.
In the next year (B.C. 54), Cassar, cmbarking again at the Portus Itius, invaded the island with a much larger force. His flcet consisted of 800 vessels of all classes. He landed in the same place as on the former occasion, and, setting out about miduight in pursuit of the natives, found them drawu up on the bnnk of a river, the Stour, to oppose his further progress. His cavalry drove them into tho woods in the rear of their position, and one of his legions (the 7th) stormed a stroaghold, formed of timber, which had been formerly constructed probably in some domestic war. Intelligence that his fleet had been damaged by a storm obliged Cæesar to recal his troops from the pursuit of the enemy; and his return to the const, to arcertnin the extent of the damage and take measures for repmiring it, delayed his operations for some days. Upon his return to his former post he found that the natives had augmented their forces from all parts, and had intrustod the command-in-chief to Cassivellaunus, a prince whose territories were divided from the maritime states by the river Tanesis or Thames, at a part which was 80 Romnn miles, or about 74 English miles, from the Kentish coast. This prince had been engaged previously in incessant wars vith his neighbours; but the common danger comprelled them to forego their disputes, and it is likely thant his talents for war pointed him out as the most suitable person for genernl. After some severe but unsuccessful struggles Cassivellaunus dismissed the greater part of his forces, detaining about 4000 chariotecra, whose skill in the management of their chariots rendered thein very formidablo, and retired, an it appears, into his own dominions ncross the Thanes. That river was fordable only in one place in the line of Cresar's advance, and the natives lad planted stakes sharpened at tho point on the bank and in the bed of the river. Cresar, crossing the river, put the onemy to flight; received the submission of several tribes, and took by storm the town of Cassivellaunus. These disasters, combined with the entire defeast of the princes of Cantium (Kent) iu am attack upon the inaritime camp which the Romans had formod to protect their fleet, induced Cassivellaunus to nubmit. The conqueror domanderl hostages, fixed a tribute to be paid by the subject Britous, nud returned to Gnul with his forces and a number of captives.

The line of Cxan's march from the Stour to the Thames cannot be determined, nor is it clear at what place he crossed the Thames. He probably epent about two months $\ln 13$ ritain in his second expedition. ("The Britimls expeditious of C. Julius Cresar,' by G. Long, in 'Classical Museun, ${ }^{\prime}$ No. 13.)
The triven with whom the Romans In Cesar's expedition became aequninted were as follows: we give aloo their names as written by l'tolemsuas, where they linve been identified or wherc identity is
conjectured by antiquaries. The positions are those laid down or suggested in the map published by the Society for the Diffusion of Useful Knowledge, 'Ancient Britain,' part 1, with the exception of the Cassi, as to which tribe we give Camden's conjecture:-

| Cæsar. | Ptolemæus. | Inhabitants of |
| :---: | :---: | :---: |
| People of Cantinm | Kaytos | Kent. |
| Trinohantes . | Tpivoantes | Essex. |
| Cenimagni |  | Norfolk, Suffolk, Camhridge. |
| Segontiaci | not mentioned | parts of Hants and Berks. |
| Ancalites . | Atprßatiol (?) | parts of Berks and Wilts. |
| Bibroci. | not mentioned | - parts of Berks and adjacent counties. |
| Cassi | -•• | Cassio Hundred, Herts(?) |

Tho Romans did not return to tho island until the reign of Claudius, leaving the Britons alone for about a century. In the interval the Britons who dwelt in the parts nearest to Gaul appear to have made some progress in civilisation. They coined money, and many British coins have been discovered, of which ahout forty (note to Cough's 'Camden') helong to a prince, Cunobelin, whose residence was at Camalodnnum (either Colchester or Maldon), and whom we should therefore take to be n king of the Trinobantes, the people of that part of the country. The money of Cunobeliu is supposed to hare been the work of a Roman artist, or of some Gaul familiar with Roman customs. The suhjoined engraving is from a coin, one of several of Cunobelin, in the British Museum :-


Coin of Cunobelin. Goid. Actual size.
The Trinobantes took the lead in opposition to the invading force sent hy the cmperor Claudius. Aulus Plautius, a senator of pretorian rank, commanded tho forces which were designed for the attack on the island (A.D. 43). The Britons were defeated in two battles, in the first of which they were commanded hy Cataritacus, in the second hy Togodumnus, the sons of the now deceased Cunohelin. After various encounters with the natives, Plautius awaited the arrival of the emperor Claudius. Claudius embarked with reinforcemente, including some elephants, and, landing at Massilia, proceeded throngh Gaul to Britain. Upon his arrival he crossed the Thames with his army, defeated the natives who had assemhled to oppose him, took Camalodunam or Camulodnnum, the capital of Cunohelin, and forced numhers of the Britons to suhmit. After this success Claudius disarmed the vanquished tribes and returned to Rome, leaving Plautius to secure tho Roman conquesta. The senate decreed triumphal honours to the emperor, and the memory of his victory has been perpetuated in his coinagc.

During the command of Plautins, his lieutenant Vespasian conquered the Isle of Wight. Upon the departure of Plautius, those Britons who were struggling for independenco overran the lands of such as had allied themselves with or suhmitted to the Romans; and P. Ostorius Scapula, who succeeded Platius (A.D. 50) as proprotor, on his arrival found affairs in great confusion. He immediately collected forces, routed and pursued the invaders, and prepared to restrain their incursions by stations or camps at the rivers Sabrina (Severn) and Antoma or Aufona (Nene). The lino which Ostorius proposed to defend comprchended within it all the southern and south-eantern parts of the island, including nations who for the most part were of Belgic origin, and who had either suhmitted without a struggle to the Koman sway, or had been subdued hy Plautius and Vespasian, or had willingly embraced the Roman alliance. This part of the island was inhabited by tho tribes mentioned hy Cæsar, hy the Iceni, or inhahitants of Norfolk, Suffolk, and Cambridgeshire, and the Atrebatii; by the Catncllani or Catyeuchlani, prohably the native trihe of Cassirellaunus ; hy the Dobuni; and by tho following people not yet noticed : the Damnonii or Dumnonii, people of Devonshire and Cornwall; the Durotriges, in and about Dorsetahire; the Belgæ, people of Somersetshire, Wilts, and Hants (the namo of whose capital, Venta, is preserved in Win-chester); and the Regni, people of Surrey and Susmex.

The Iceni had never been subdued : they had allied themwelves with the Romars, but they saw that, if Ostorius severed the island into two parts by a line of military posts, the independence of all within that line wonld he sacrificed. They consequently opposed his plan; but they were defeated hy Ostoriun Ife next suhjected the Cangi and the Brigantea. Ho then prepared to march against the Silurea or Silyres, a peoplo of South Wales, whose resistance to
the Romans was more ohstinate than that of any other people of South Britain. That no apprehensiou of a rising in his rear might impede his progress, he settled a colony of veterans at Camalodunum.

Although the name of Cataratacus, or, according to the orthography of Tacitus, Caractacus, has not been mentioned since the notice of Plautius's first campaign, that valiant prince appears to have kept the field; and in some manner, with which we are not acquainted, he became commander of the Silures. (Tacit. 'Ann.' xii. 33, 36.) The seat of war was transferred into the country of the Ordovices, people of North Wales and Shropshire, hy Caractacus. He posted his forces u pon a steep ascent, and fortified the approaches by a rampart of loose stoues; a river ran in front of his strong position, and his hest troops touk their station before the ramparts. But this strong position was stormed by the Roman troops; the wife and daughter of Caractacus were taken; his hrothers surrendered themselves; and the gallant prince himself was put in chains by Cartismandua, queen of the Brigantes, with whom he had takcu refuge, and delivered up to the Romans. His nohle demeanour when at Rome hefore Claudius commanded the admiration of that prince, and the emperor pardoned him. His defent and capture took place prohahly A.D. 51 .

The insignia of a triumph were decreed to Ostorius; but his successes ended with the defeat of Caractacus. The Romans were harassed with repeated skirmishes, and by the ohstinate resistance of the Silures, and Ostorius died worn out with care (perhaps A.D. 53).

Didius, the successor of Ostorius, found the Roman affairs in a depressed condition; and he docs not appear to have gained any signal advantage. His command lasted into the reign of Nero, the successor of Claudius, probably till A.D. $5 \%$. Veranius, the successor of Didius, lived only a year after undertaking the command, and did little. His successor, Paulinus Suetonius, attacked the island of Mona (Anglesey), transporting his infantry over the straits which divide that island from the mainland (the Menai) in flat-hottomed hoats, the cavalry fording the passage, or in the deeper parts swimming. The description of this attack, which is highly characteristic of the people of the island, is given in the annals of Tacitus. ('Annales,' xiv. 30.)

From tho shores of the extremo west Suetonius was recalled by the news of a great rising of the natives under Boadicea in that part of the island which had heen already subdued by the Romans. [Boadicea, Hist. and Brog. Div.]
The revolt of Buadicea had nearly extinguished the Roman dominion in Britain, but at last the natives were completely defeated in a battle, the scene of which is supposed to have hcen just to the north of London. Battle Bridge, St. Pancras, is thought to have preserved in its name a memorial of this dreadful day. (Nelson, 'History of Islington.') The Roman general ravaged the territories of all those native tribes which had warcred in their attachment to the Romans, as well as those who had joined in the revolt. Suetonius was at last recalled without finishing the war (A.D. 62) and Petronius Turpilianus appointed his successor.
Scveral generals were succersively sent to the island; hut the Romans made little progress until the time of Vespasian, A.D. 70-78, in whose reign Petilius Cerealis subdued the Brigantes, who under Venutius had renewed hostilities; and Julius Frontinus subduod the Silures. But the glory of completing the conquest of South Britain was reserved for Cneus Julius Agricola [Agricola.]

From the time of Agricola we read little about Britain in the Roman historians until the reign of Hadriau (A.D. 117 to 138), who visited the island. The emperor fenced in the Roman territory hy a rampart of turf 80 Roman, or about 74 English, miles long. This rampart extended from tho astuary Ituna, Solway Frith, to the Gcrman Ocean, a little south of the more solid wall afterwards built hy the emperor Severus. In the suhscquent reign of Antoninus Pius (A.D. 138 to 161) Lollius Urhicus, his lieutenant in Britain, drove hack the harharians, and recovered tho country as far as Agricola's line of stations hetween the Forth and Clydo. [Antoninus, Wale of.]


Brass. Brit. Mus. Actual size.
In the following reign of M. Aurelius Antoninus (A.D. 161 to 180 we havo some notice of wars in Britain, which Calpurnius Agricola was sent to quell. Commodus, the successor of Aurelius, sent against the Caledonians his lieutenant, Ulpius Marcellus, who defeated tho Caledonians with heavy loss.

Septimius Severun, near the close of his rcign, though growing old
and infirm, cromed over into the laland ap. 200 or 207. The natives who bal bree $\ln$ a state of insurrection offored to suhmit; but Sovern disenimad their mmbeandors and continued his nuilitary prepurakione Two people, the Mlwatie, who dwelt noarest to the floman wali, and the Celelonians, who wero inoro remote, were the gront olyjecta of the emperor's hootility. These triben woru little elothing, anil painted or otherwine marked upon their bodice the figure of dirers animnlo ; a menall target or shiold, a apear, a poniard, and as wre learu from Tacitum a cumbersome unpointed sword, compooat their ofeneive and dofennive arma They had neither walls por towns, but lired in teuts; a pastomal race, foeding upon milk and wild fruita, and the reah of such noimals as they tonk by hunting.

It was during thin war that Severus ordered the crection of the wall which ntreiches acrons tho inland from the Solway to neer the zmouth of the Tyme The length of this wall, owing to the corruption of the text of ancient anthors, is given with great diversity. It is probable that the true reading in each of thein was Lxxxil. or mxuxv. trilos, which is mother more than the length assigned to Hadrian's rampart of turf, which wan near this wall, and extended in tho same direction. leemains of both theso great worke exist.
The manpart of Severua, which is of atone, is for the most part, but not invariably, parallel to that of Iladrian; it lies to the north of is, and extends mather farther at cach ond. It is accompanied throughout by a military rond, or indeod by several military ronils. I'erhaps the snost complete account of the wall of Severus is by Hutlon ('History of the Roman Wall,' pp. 136-140).

Soverus died probably at Eboracum (York), A.D. 210 or 211. I10 appears to hare carried his anns far into Scotland, and probahly fixed the boundary of the empire at the mmpart of Antoninus, though his crection of a wall so uear to the rampart of Hadrian indicates that he thought the intermediate territory either of little value or of uueertain tenure His son Caracalla soou after his death surrendered a great part of thin torritory when he made peace with the Caledoninna In the reign of Diocletian and Maximian, Carausius, a Menapian (the Menapians were a peoplo of the Netherlands), who commanded the Roman feet in the Niorth Sen againat the Frunkioh and Saxon pirates, seized Britain and asnmed the pnrple (about A.b. 298); and such was his activity and power that the omporors consented to recognise him an their partner in the empire. He whe however after zome jears killed by Allectas, one of his friends (A.D. 297), and three years afterwards (A.D. 300) Britnin was recovered for the emperors by Aeclepiódotua, captain of the guncras Upon the resignation of Dioeletian and Maximian (A.n. 304) Britain was included in the dominions of Constantins Chlorus, one of their successors. This prince died at Fiborncum A.D. 307, after an expedition against tho Caledonisam. His sou Conatnntine the Grent also carried on some bontilitien with tho anme peoplo and the Mreate. The northern tribes now legan to bo known by the names of Piets and Scots.
The Roman power wan now decaying, and the province were no longer mocure mgainat the irruption of the savage tribes that pressed upon the long line of their frontier. Britain, situated at onc extroznity of the empire, nuffered dreadfully. The northern triben, Pict, Soote, and Atheoti, burat in from the north, and the Saxons infested the convt In the reign of Valentinian, Theodosius (father of the empener of that name), boing sent over as governor, found the northem peoplo jlundering Angruta (Loudon). Ho drove them out, recoverell the provineial towns and forts, re-oitablished the Roman prower, and gave the anme of Valontia cither in the district between the wall of AntoDinus and Soverus (Biclinnt of Cirencester, Roy), or m Horleg thinkn, to a part of tho province south of the wail of Serrraa

Whea Gratian and Vialeatinlan II. annocinted Theodoalas (ron of the nbove) with there in the explice, Maximus, a Spaniard, who had merred with great diatinetion in Britain, took unolrage at the preferveres shown to another, and rimod in the island the standard of revolt, A.b. S91. Lerring a conalderable force he proceoded over to the contineat, defestoll Grathan, whom he orderent to bo put to death, and maintalael himelf for eotne time in tho pomection of his usurped antbority. Sle was however at laut overcomo ly Thoolosfus, and the provipece retemed to ith miljection to the ernpires The Britons who had followed Maximus Into the continont rotelved from him ponmedion in Annorica, where they laid the forndation of a ntate which neill relainn their mame. [Bnitaone]
Stilicho, whom name in one of the mont eminent in the degenerato ago ito which tre livel, nerved in Britain with nuocem, probahly about A.n. 403 ; Lat the time nad particulars of hie nerrice aro not known. The unhappy province after hio departuro wat again nthacked by barlmanam, and agitated by the lionotionmos of the lloman moldiery, who rucomaively met up threo elaimante to the imperial throne, Marcum, (ine inn, and Conmautime. The fimt and mecond wero moon dethronel and dentroyed ig the very power which bad raised them. Conntantimo was for a timo more fortunate Raining a force amona the youth of the foland be pawed orer into Gmul (A.D. 400), acquing procetion of that provineo and of Sp min, and fixed the meat of hin goverumont at Arlon, where he was soon after boniegel, taken, and kilied. llis experlition ervel to exlanuot lritaio of its natural defendenn: the diatremes of the empire rendered the withdrawal of the Roman troope necmary, and near tho midulio of the Sth century,
or according to some about A.D. 420 , nearly 500 years after the first inrasion by Juliun Ceear, the island was abandoned hy thom.
We proceed to give an account of the aubdiviaien, govemment, and general atate of Britain while a province of the Roman empire.
The fret Roman governors wero the propretors, officers chiefly or entirely military; nor aro there, so far as we know, any records or traces of a subdivision of Britain till a comparatively later poriod of the Roman dominion. The extensive and important changes introducod into the Roman government by Diocletian affectod Britain. The whole empire was divided into four great prefectures, and Britain was included in the prefecture of Gnul.
Our authority for the administration of Britain is the 'Notitin Imperii,' a record of late date, probably as hate ns the time of the Romans quitting the island. From the 'Notitin' wo learn thast the govermment of the island was intrusted to an officer called 'V'ienrina, which IIorsley, not inaptly, translates 'vico-gerent.' Under him there were five governors (for civil purposes, we presumo), two 'Consulares' (men of consular rank) for the two provinces of Maximn Cusariensis and V'alentin, and three 'Presides' (presidents) for the prorinces of Britanuia Prima, Britamuin Secundn (First and Second Britaiu), and Flavia Casariensia Three other principal offeers are mentioued,-the 'Comes littorin Saxonici per Britnuman' (Count of the Saxon shore in Britnin), the 'Comes Britanniarum' (Count of Britain), and the 'Dux Britanniarum' (Duke of Britain). We havo translated the words 'Comes' and 'Dux' hy 'Couut' and 'Duke, after Horaley: the modern titles aro obriously derived froin tho moro ancient; hut there is this difference, that while the modern names now indicate only rank and title, the ancient names were attached to officea.
The situation of the five provinces of Britain, necording to Riclard of Cireneester ( n monk of tho 14 th contury, whose work was discovered and published at Copenhngen about the middla of tho last century, and whose authority, though disputed by some, is apparently trustworthy), was as followa We give them in a tabular form, with the antions which occupied each :-

Battanita Prra, the country south of tho Thames and the Bristol Chauncl, including the territories of the

Theso untions are mentioned by Richard of Cirencester: the Cantii wero the inhabitants of Keut; the Belga, of Somereetshire, Wilts, and Hants; the Damnouii, of Devonshire nud Cornwall; the Bihroci, of parts of Berks and adjacent counties; the Segontinci, of parts of Mants and llerks; the Hedui, of Somersetshire and part of Gloucestershire; the Atrebatii, of part of Berks and Wilte; the Durotriges, of Dorsetshire and neighbourhood. Richard places the Bibroci, whom he scems to confound with the Regni (or, as he terms them, the Rhemi) in Surrey and East Sussex. He says the Durotriges wero sometimes called Morini.

Not mentioned by Richard, untess the first are the same os the Rhemi or Bibroci, aud tho secoud as the Atrebatii. The Regni, nccording to other authorities, were people of Surrey and Sussex. Tho Aucalites of Cresar aro lield to be tho Atrebatii of Ptolemwus.
Cimbri
People, ns it seems, of Devonshire and Cornwall, men-

Britasmia Seconda, the couutry meparated from the rest of Pritnin hy the Sabrina or Sercm, and Deva or Dee ; thnt is, Wales, IIcrefordshire, Monmouthalire, and purts of Shropshire, of the counties of Gloucester and Worcester; including the territories of the
Silures, peoplo of that part of South Wales hordering on Finghand and of those parts of Eugland between South Waics and tho Severn.
Ordorices, people of that part of North Wales bordering ou England.
Dimecice, or \{ People of the west part of Soutlh Wales, counties of $\Delta \eta \mu \eta t a i\{$ Pembroko, Cacrmarthen, Cardigan.
Cangiani, $\{$ People of Cnernarvonkhiro, supposed by some to be or Kayravor \{ the Cangi, attacked by Ostorius (See nbove.)
Fravia Cssamaensis, the territory north of tho Thamen, oast of the Severn, and probably mouth of the Mersey, the Don whlch joins the Yorkshire Ouse, and tho Humber; comprehending the territory of the
Carnabis \{ P'eople of Cheshire, part of Shropshire, and sono Kopravior \{ adjncent districto.

Riehard of Cirencester considers the Cassil aud the Catyeuchlanl to be tho mame peoplc. The namo writer considers that tho Cassif and Dobuni made up the kingdom or rather the republic of the Chassii. The situation

Casrii
Catyeuchlani Dobuni
Iceni
Trinobantes of the Cansii is supposod to be in Casslo Hundred, Herts; the Dobuni, in Gloucestemhire ; the Iceni (supposed to bo the Cenomagni of Cemar), in Norfolk, Snffolk, and Cambridge; tho Trinobantes, in Essex.

Peoplo of the counties of Lincoln，Nottingham，Lei－ cester，and the adjacent parts．These people seem to be regarded hy Richard as a subdivision of the Iceni． The Iceui，properly so called，he gives as the other sub－ division，calling them Cenomanni．
Maxima Cessariessis，the country from the Mersey and the Humber to the wall of Severus，comprehending the territory of the
Brigantes．
Parisii
Парıбоя
Volantii $\int T$ Two nations confederate together，according to nnd
Sistuntii
Richard，not mentioned by Ptolemæus；they inhahited Lnucashire，or part of ft ．
Valemtia or Valentiana，tho country between the wall of Scverus and the rampart of Antoninus，including the south part of Scotland， the county of Northumherland，nnd part of Cumherland，compro－ hending the territories of the
Olladini \｛ The inhabitants of the east coast of Northumherland תтабпро \｛ and the adjncent coast of Scotland．

Gadeni
「 $\propto \bar{\eta} \eta \nu 0$ ，
These people dwelt to the west of the Ottadini，in Northumberland，in Roxburgh，Sclkirk，Peehles，and Lanark－shires．

Selgova
Eenjovat
The inhahitants of Dumfrics and part of Kircud－
Norantce
Novayrai
The inhnbitants of Wigtonshire．
The inhabitants of that part of Scotland south of the wall of Antoninus not occapied by the above－mentioned nations．They seem to bave occupied a considerable trnct north of the wall，which，being cut off from the rest of their territories，was wasted by the Caledonians．
The remaining part of the island was never long in the power of the Romans．Agricola overran part of it and established some sta． tions ；and probably other commanders after him hronght it into temporary suhjection．The part which Agricola thus snbdued is termed hy Richard
Vespasiaxa，including the country hetwoen the rampart of Antoninus and a line drawn from the Morny Frith（Varar restuary，＇I＇tole－ mxus）to the mouth of the Clyde，and comprehending the territorics of the
Horestii，mentioned hy Tacitus hut not by Ptolemæus ；it is likely they occupied the portion of the territory of the Damnii which lay leyond the wall：they were south－west of the Tay．
Vecturones The difference between Richard and Ptolemæus with
or Venricones
Ovenikontes respect to this pcople makes it uncertain whether we aro to assign them to Fifeshire or Angus．
Taicali $\{$ Inhabitants of the coast of Aberdcenshire．Their chief Tejalot \｛ town，Devana（ $\Delta$ jovava），was probably Old Aberdeen．

Vacomayi
Oиакодауо
The range of the Grampians towards the north－enst； Banff，Moray or Murray，Nairn，and part of Inverness－ shires．
Damnii Albani（not mentioned by Ptolemæus），parte of Perth，Argyle， Stirling，and Dumbarton－shires．General Roy considers Albani to mean mountaineers．Perhaps they aro comprehended by Ptolemaus among the Damnii（ $\Delta a \mu \nu 10$ ）of Valcntia
Altacotti，not mentioncd by Ptolemæus hut hy Ammianus Mareellinus． They inhnhited，according to Richard，tho country on the hauk of the Clyde end of the great lake Lyncalidor，supposed to be Loch Lomond

Richard supposes that this province of Valextis was，in the time of the later emperors called ThuLe ：to the rest of Scotland he gives the name of
Caledonta，comprehending the territories of the following people：－

Caledonii，
properly
so called，
Ka入ךסovto

## Canice <br> Kayтal

＊Varar，as it is correctly writeca in the Latin edition of Ptolemmen by IIrckheymer．The namo Varar ntlil exista in Strati Easar，the upper end of
the Norey Frith．

North－west of the Moray Frith and Joch Ness．The immense Caledouian Forest covered their territory or rather skirted it to the north－west．Ptolemæns seems to make them extend in a south－went direction as far as Loch Fyne；thus assigning to them parts of Inverness， Perth，nnd Argylc－shirem
Inhabitanta of parts of Ross and Cromarty－shires．
da Norey Frith．

These two nations seem to have inhabited the east coast of Sutherland and Caithness－shires．The name of the Logi is preserved in that of the modern parish of Loch．Richard intimates thnt the Carnabii were a colony of the people so called in South Britain．who abandoned their country in conjuuction with the Cantii， upon the Roman couquest，and settled here．If there be any truth in this account we may perhaps identify the Canta with these wandering Cantii．＊
$\int$ Part of Caithness and Sutherland－shires west of the Catini Caruabii．If we follow Richard＇s orthography，perhnps Kapnvor a relic of the name Cnt－ini may be preserved in Caith－ ness．
$\left.\begin{array}{l}\text { Mertae } \\ \text { Mcprai }\end{array}\right\} \quad$ West of the Logi in Sutherlandshire．
$\left.\begin{array}{l}\text { Carnonacee } \\ \text { Kapyovaral }\end{array}\right\}$ The west coast of Sutherland and Cromarty－shires．
Theso two people（if two there were，for we are inclined
Cerones $\}$ to think some confusion of transcribers has led oue name Kepases $\}$ to be variously written，and honce it has heen supposed Crcones $\}$ there woro two people where really was only one）dwclt Kpew er $\}$ along the west coast of Scotland，between Loch Broom aud the Linnlio Loch．
Epictii $\int$ The peniusula of Cantire and the adjacent part of Argylc－ Epichit $^{\text {Eniot }}$ shire between the Linnhe Loch and Loch Fyne．Richard，in Entobo his map，gives the names of Epidia Superior and Inferior to Jura and Islay respectively．
Horsley gives an arrangement of the provinces entircly differeut from the above，except so far as regards Britannia Secunda He makes Britannia Prima to extend from the const of Sussex to the hanks of the Nene，and assigns the western counties to Flavia Casaricnsis．He places Valentia within the wall of Severus，and Mnxima Casariensis heyoud it．
－Our chief authoritics iu the abore table have becn Richard of Cirencester and Ptolemacus；in the Latin names we have commonly followed the spelling of the former；the Greet names we have suh－ joincd from Ptolemæus，as far as he furnishes them，except where they have heen given before in the course of the history．The locality of the several nations may he seen in the maps of Ancient Britain（north and south），publishad hy the Society for the Diffusion of Useful Knowledge．

There were，according to Richard of Cirencester，two municipia or towus whose inhahitanta eujoyed most of the privileges of Roman citizens．
Verolamium（Ovpo入aviov）near St．Albans．
Eloracum（Eßopaxoy），now York，quarters of the sixth legion and apparently the resideuce of the Roman emperors wheu in Britain．
The Colonixe were settlements of Roman citizens，and served to
diffuse the language，religion，and arts，and to secure the supremacy of Rome．According to Richnrd there were in Britain nine colouies， namely ：－
Lonelinium（Aovठิıvov）or Augusta，now London，mentioned by Tacitus as a place of great trade，though not spoken of in his time as a colony．
Camalodunum（Kaцovлoסavov），Gemince Martice，now Colchester or Maldon（？）．
Mhutupis（or Rutupce，＇Itin．Anton．＇＇Poutovns（ai），now Richhorough，near Sandwich．
Thermee or Aquce Solis（＇roara बeppa），now Bath．
Isca or Secunda，now Caerlcon．
Deva or Getica（ $\triangle$ novva），now Chester，quarters of the 20th legion．
Glevum or Claudia，now Gloueester．
Lindum（Aレvסov），now Lincoln．
Camboricum，now Cambridgo（or Icklingham，in Suffolk．Horsley）．
There were ten cities Latio jure donati；the inhabitants of these possessed privileges，hut not equal to the foregoing．
Durnomagus（Durobrive，＇Itin．Ant．＇f），now Costor on Nene or Water Newton．
Catarracton（C＇atarracto or Catarracionum，＇Itin，Ant．＇Karovppakтoviov）， now Cattcrick in Yorkshire．
Cambodurum（Kapouv ${ }^{\circ}$ oठovvav 9 ），now Slack in Yorkshire near the border of Lancashire．
Coccium（supposed by some to ho the Pryodouyoy of Ptol．），now Rib－ chester，Lancashire．
＊A comparisos of the situation of tho Carnabll at the extremities of tho Inland in Cornwall and Calthness will perhaps incline us to account for the similarlty of their dealgnation by a referenco to its etgmology rather than to such a connexton of tho pcople as Richard supposes．The Celtic root corn or korn（ece Carnden）appears in many other langnages with the signification of on extremity or a horn：compare the Mehrew krn，the Latin cornou，our owa words corn－er，Dorn－wall，de．By a reference to the presumed etymology of the zames Cant－w and Cant－11，we ean aceount for their etmillarlty also；the root cant（compare Cant－li and Caat－so abovo with the anclent Cant－abrl and the modern Cant－ire，sco Camden）Is supponed to mean in Celtio，a corner．

Legudalia (Luguralliwn, ' Itin Ant'), now Carlinlo.
prevelen (inepuree orparozedov, the dying cump), now Burgh-head Morarabire, Scotlabal.
Pisterio (Oncrqua), now Dealgiv Row, Ierthehire.
Tinciaic, now Mumberton.
Crinesa (Marmernovila, 'Jlin. Antoa.' Kepurwer), now Cireneester. Sorliedumen, now Old Sarum.
There were twrelve cowns called Stipemiliaris, with whoso municipal conatitution and privilegee we aro not moquaintod.
Pene Silerwn, now Cherweut or Cuor gwent Monmouthehire.
Peite Adparem (Owne), now Winchwier, Hanta
Vewa Jcmornm (Owrre), now Caintor, near Norwich.
Sypatiem, now Chensoiont near Cacraarron.
Nuridunem, now Seelon, near Colyton, Devon.
Regr (Retr, 'Juin Anton.' 'Pryo), now leecenter.
Cenviopelis or Durenernina (Aspowneor), now Canterbury.
Derininn (Shemonario I ' Itin. Anton.' $\Delta$ wevw I), Dorchester.
Inem (Lasa), now Exetar.
Armanime (Bquariv), now Riecheater, Northumberland.
Vindown ( 'indomis, 'Itin. Abton'), near Andover, Ilants, a very doubleful yovition.
Derikiner, now llochenter.
In the alove list wo have given the orthography of Riehari, noting any rariation between hims and tho ' Itiuorary of Antoninus. Tho Greet mamee me urnal are from Itolemeus. The list of Munieipia and Colonis, it should be milded, is by no means complete.
BRITISH ABF:RICA. The territory comprehended under this name extends from $11^{\circ}$ to $78^{\circ} \mathrm{N}$. Int., and from $52^{\circ}$ to $141^{\circ} \mathrm{W}$. long. The wouth boundary of Britimh America is formed by the territory of the United States. The frontier lino between Now Brunswiek, Canada, and the Unitod States, was settlod by the Conventions of 1839 and 1516. It etriken the St Lawrence in late $45^{\circ}$, at the village of St Regis, which atande at the weatern extremity of Lake St. Francis The line then prooeodn in a south-western direction through thie middle of the St. Lawrence into Lako Ontario, which it divides into two nearly equal portions; leaven Ontario by the river Niagara and bisects Lake Erie; paneen north through the river Detroit into and through the lake and river SL Clair; enters Lake lluron at its southern point and quits it at ite porth.wetera extremity; ruus through 'the Narrows' and to the weat of the inland of SL Joeeph into Lake Superior, which it cromes with a winding course learing Isle Royale within tho limits of the United Stales. Quitting Lake Superior by Pigeon River the bousdar-lino runa morth-went to tho north-western angle of the Lake of the Woodn in $19^{\circ} 0^{\prime} \mathrm{N}$. lath, $91^{\circ} 25^{\prime} \mathrm{W}$. long. ; proceeds thence due weat to the Pacifo: the inland of Vancouver, opposite this maritime boundarjopoinh being allotted to Great Britain. A very large proportion of the cerritory to tho north of the line just described has been listle explored, and is of value only as hunting.ground. The evern portion of tho territory in in possession of tho Hudsou's Bay Company, while the wertera in known as the North-Western or Indian lerriory. A portion of the north.went coast of America bordering on the North 1'acifo Ocean is elaimed by Rusuia. This portion oxtends from $37^{\circ}$ N. Lat. to the ahores of the Aretie See, and from $140^{\circ} \mathrm{W}$. Long. to the North Pacifo Ocenn.

The wetlled provinces of North America belonging to Great Britain ane Lower Canade, or Cannda East, lying hetween $44^{\circ}$ and $50^{\circ} \mathrm{N}$. Iat., and betwern $64^{\circ}$ nd $70^{\circ} \mathrm{W}$. long; U Uper Canada, or Canada West, $41^{\circ}$ to $43^{\circ}$ N. Lat, $71^{\circ}$ to $85^{\circ} \mathrm{W}$. long. ; New Branswiek, $45^{\circ}$ to $48^{\circ} \mathrm{N}$. let, $61^{\circ}$ to $65^{\circ} \mathrm{W}^{\circ}$. long. ; Nova Scotia and Capo Breton, $43^{\circ}$ to $47^{\circ} \mathrm{N}$. lat, $60^{\circ}$ to $67^{\circ} \mathrm{W}$. long.; Prince Edward's Island, $46^{\circ}$ to $17^{\circ} \mathrm{N}$. lat, $62^{\circ}$ to $63^{\circ} \mathrm{W}$. Iong. ; Newfoundland, $46^{\circ}$ to $\$ 2^{\circ} \mathrm{N}$. lat, $52^{\circ}$ to $60^{\circ}$. W . loate (Aruabaca; Brarl Lake ; Casada; Capro Baeton; Corter. Mise Xtvza; Heveoris Bar Temartuaizs; New Bruxswicx ; Niswrotxdisn; Nora Sootia; Vascoevea loland.]

ImbITISH CHANSFL (Enghan Cuasmra)
HHTISH GUYANA. [dUYAKa, Bartisn]
mitisil iloniduras. [Hoxduaas, British.]
MRTISII INDIA [Hisdertax.]
BHITISII KAFFILAIBA. This namo is appliod to a dependeney Afrifitary promeaion, roceatly annexed to Capo Colony in South Afrie The ampexation aroes out of the Kaffir war of 1817. For tivoty \{men hefore that date the settlers In the Albany district of Cape Colony. Lefme patas the contern frontier, were often expooed to irruption
 gitr P. Hajthod, and 8ir II. Pottingor-had caleavoured in vain to Kipermo the larode Ia $1845^{\circ}$ Sir 11 . 8milh sublued for a time tho Katro, but thatr depmanted rowntment againat the white vettiorm broke oet matel with groat forse in 1850. On the last day of that your Mir II. Savith finven a prochamation from Klng Willinm'n Town meaklabing marilal law in the oclony, mod orifering ali colonista tistran the atre of 15 and 20 to rise en mase to defend the frontier fruian tho Kisirn The Hritinh troop rulfored much annoyanco and
 Is s , in an cocoupher with tbe Kallm m in the Waterkloof, Lioutenant,
 IIleal, nod a conciberable nember wouedel, the Kamtrs ecaping unhurt. In Javary 1832 Major-Geaeral Catboart relaced Sir II. Smith. On
on Berea Mountain In tho Orango Sovercignty, ahortly after whieh three ehiefs namad Macomo, Sandilli, nud Krcili submitted to the British, and tho war was virtually at an end. A tranty of pence was ratifell at a confercnce botweon the General and tho Kaffir chiefa held near King William's Town on the 9th of March, 1853. Thin 'littlo war' cost lingland about a million and a balf sterling. The country ealled British Kaffraria is a large distriet eastward of Cape Colony, over which the British goverament hold a kind of sovereiguty or protectomhip, the preciso character of which has not been vory eloarly definel. British military posts are maintained at various points over the arce. The distriet is divided into counties: Buffolo Hiver is connidered tho harbour; a town called London is to be eatablished at the mouth of Buffalo River.

## british wrist indies. [West Indiez, British.] <br> brittany. [Bretagye.]

BMVES. [ConRìzf]
BMIXEN. [TrRoL]
BRIXIIAM, Devonshire, a seaport and market-town in the parish of Brixhan and hundred of Haytor, is situated un the sonth side of Torbay, in $50^{\circ} 23^{\prime} \mathrm{N}$. lat., $3^{\circ} 31^{\prime} \mathrm{W}$. long. ; distant 25 milen S. frou Exeter, and 203 miles S.W. by W. from London. The populatiou of the town of Brixhnm in 1851 was 5627 . The livings aso in tho archdeaconry of Totnes and dioceso of Exeter.
The inanor of Brixham formerly belonged to the Novante, from whom it passed to the Valletort faunily, who sold the manor. It was afterwards divided into quarters, one of whieh was purchased by 12 fishermen of Brixham Quay, divided into 12 shares, and again subdivided into smaller portions, the possessora of these divided shares, however small, calling themselves quay lords. Many of theso quay lords are to be found among the fisbermen of tho place. Brixhain is situated about a mile and a half south-west from lierryhead, the most westerly point of Torbay, and directly opposite to Torquay; being distant from that celebrated watering-place about 7 miles by water. The town is long and straggling, extending, from tho upper extremity beyond the church to the lower on the quay, upwards of a mile and a half. Most of the business of the place is transacted in the lower town. In both sections of the town thero bas been of late years a considerable increase of new and well-built houses, and the two are now almost united. The lower town is lighted with gas. The fishmarket has been enlarged and greatly improved. The prosperity of Brisham is chiefly dependent on ita fishery. More than 200 sail of vessels, comprising 20,000 tons of shipping, and employing 1500 seamen, belong to this town, which as a port is subordinate to Dartmouth; most of these vessels are engaged in the fishing trade. The average amount received for fish is aid to be 600L. per week. The best of the fish are sent to Exoter, Bath, Bristol, and London. Turbot, soles, Whiting, plajce, mullet, mackercl, and other fish are taken in considerable numbers. During tho London season about 50 of tho decked trawl boats aro usually absent from Brixham, beiug omployed iu supplying the London market with soles, turbots, \&a, from Hull and Ramsgate, fishing over the intermediate space between those places Several of the vessels belonging to Brixham are exployed in the Mediterranean, Spanish, and coasting trade. The harbour consists of two basins, the outer one having been formed at an expense of nearly 5300 L , raised solely amongst the iuhabitauts.

The parish church, situated in the upper town, was built by the Prior of Totnes in 1373 ; the aecommodation has been ineronsed by the addition of gallerica. In the church is a cenotaph of Sir Franeis Buller, tho judga. Lower Brixbam has been constituted a district parish; its church, which was built in 1820 has since been enlarged. Tho Wesleyan Methodists, Baptiste, and Indepeudents havo places of worship. Thero is a National school, with which bas beeu incerporated an Findowed school founded in 1634.

The Public Rooms, erected in 1835, are situated near the centro of the town. The markot-house is by the water-sido. A market was granted to Brixham by Act of Parlinment in 1799. Markets aro hold on Tueaday and Saturday. A fair is held on Whit-Tuesday and the following day. There are two irou miues in the neighbourhood of Brixhann, one of whiel is worked during the winter. The ore is shipped at Brixham to bo melted in Wales. Brixhan was the landing.place of William Prince of Orange, afterwards William III., when he artived in England, November 4th, 168s. A monument with an inseription commemorates the ovent. At the end of the pier ls a tablet recording the risit of the Duke of Clarence, afterwards William IV., July 21st, 1823. The inhabitants on that occasiou presented to the duke an aldrena, with a piece of tho stono on which the Prinee of Orango had frst net foot, both being inclosed in a box made of heart of oals maid to be 800 yeare old.
BRIXTON. [SURREY.]
BRIXWOHTH, Northnmptonshire, a small village, and the sent of - Poor-Law Union, ln the parish of Brixworth and hundred of Orlingbury, is situatod in $52^{\circ} 21^{\prime} \mathrm{N}$. lath. $0^{\circ} 54^{\prime} \mathrm{W}$. long.; 68 miles N. from Northampton, and 72$\}$ milen N.W. by N. from London. The living in a vicarage in tho archdenconry of Northampton and diocoso of Peterborough. The population of the parish of Brisworth in 1851 Wha 1258, including 197 inmaten of the Uuion workhouse. Brixworth Poor-Law Union contains 84 parinhes and townships, with an area of 01,370 acres, and a population in 1851 of 14,629. Besides the parish
church, there is a place of worship for Baptists. There is a National school. A fair is held on the Monday after Ascensiou Day.

BROACH, [BAROACR.]
BROADSTAIRS. [KEST.]
BROCK. [CANADA.]
BROCKVILLE. [CANADA.]
BIROD. [Bosina.]
BRODY, a town in the Austrian Crownland of Galicia, is situated in a swarnpy plain bounded by forests, and on the rivulet Snchamielka, which flows north into the Styr; iu $50^{\circ} 7^{\prime} \mathrm{N}$. lat., $25^{\circ} 18^{\prime} \mathrm{E}$. long., and has 24,000 inhabitants. Brody is large, but ill built and lirty; the houses are mostly constructed of wood. Above 8000 of the inhahitants are Jews, on which accouut the town has been nicknamed 'The German Jerusalem.' There are several squares and open spaces ; several Greek and Roman Catholic churches, threes synagogues, $n$ convent, a large palace belonging to the Potocki family, and other handsome buildings. It has two Jewish schonls, a Roman Catholic grammar school, a seminary for femalo edncation annexed to the convent, a Jswish hospital, a theatre, and public baths. Brody was mado a free town in 1779 . In a commercial point of view, it is the most important town in Galicin. The trade is almost exclusively in the hands of the Jews, and consists principally in tho export of cattle, horses, honey, wax, tallow, isinglass, hides and skins, leather, aniseed, dried fruit, \&c.; jewels, pearls, colonial producc, and manufactured goods are imported by way of Odessa; there is also a transit trade in merchandise to Russia, Turkey, \&c. The chief industrial products of Brody are leather and linen; its fairs are well attended.

BROEK. [Hollivd, Souta.]
BROMBERG. [POSE*.]
BROMLEY, Kent, a market-town and tho seat of a Poor-Law Union, in the parish of Bromlcy, hundred of Bromloy and Beckenham, and lathe of Sutton-at-Hone, is situated on elevated ground on the right side of the small river Ravensboume, in $51^{\circ} 24^{\prime} \mathrm{N}^{\circ}$. lat., $0^{\circ} 1^{\prime} \mathrm{I}$ i. long.; 10 miles S.E. from London. The population of the parish of I3romley in 1551 was 4127. The living is a perpetual curacy in the archdendonry of Maidstone and diocese of Canterbury. ISromley Poor-Law Union contains 16 parishes and townships with an arca of 41,333 acres, and a population in 1851 of 17,640.

The origin of the name of this place is doubtfnl. The manor was given by Ethelbert, king of Kent, in the 8 th century to tho bishop and church of Rochester. After the conquest it was seized by Odo, bishop of Bayeux, the brother-in-law of tho conqucror, but was restored in 1076 to the see of Rochester through the exertions of Archbishop Lanfranc. The deau aud cliapter of liochester are the patrons and impropriators of the great tithes. The present mansion, a plain hrick building, was erected in 1777. In the grounds is a spring of mineral water, known as St. Blaise's Well, which was at ono time in great repute for its healing properties. Bromley church is a spacius gothic structure, with an embattled tower. It is partly of perpendicnlar architecturc, but has been much disfigured by repairs and alterations. The interior contains some monuments of screral bishops of Rochester. A chapel of ense, dedicated to the IIoly Trinity, was erected in 1841. There are places of worship for Weslegan Methodists and Independents, National and Infant schools, a literary institution, and a savings bank. Bromley College, fonnled in 1660 by John Warner, bishop of Rochester, for 20 poor widors of clergymen, has been enlarged by subsequent benefactions so as to nceommodate 40 widowe, each receiving 38l. a year, with an allowance for conl and candles. The college is a handsome pile of huildings, standing at the entrance of the town from the london road. Other cliaritics are in the parish. Bromley eonsists chiefly of one long street, in which are somo well-built houses. The town is paverl, and is lighted with gas. Petty sessions and a county court are held here. Bromley being on the main road to Tonbridge Wells and IIastings, formerly posseseed a cousiderahle posting trasle; since the construction of the South-Enstern railway this trade has greatly declined. It is now mainly dependent on the trade of the agricultumal district in which it stands and of the families of the gentry in the ricinity of the town. The market day is Thurslay. Fairs are held on Fehruary 14th, and August 5 th, for cattle, horses, sheop, and hoga.

BlROMLEY ABBOTT"S. [STAFFORDSHIRF]
BROMLEY ST. LEONARD'S. [MIDDLESEX.]

## BROMPTON. [KENT.] <br> BROMPTON. [YDDDLESEX. BROMPTON.

BROMSSGROVE, Worcestershire, a market-town and the seat of a Poor-Law Union in the parish of Bromsyrove and upper division of the hundred of IIalfslire, stands near the small river Salwarp, in $52^{\circ} 20^{\circ} \mathrm{N}$. lat, $2^{\circ} 3^{\prime} \mathrm{W}$. lons., 13 miles N.N.E. from Worcester, 116 miles N.W. from London by road, and 127 miles by the NorthWeatern and Brintol and lirmingham railways. The population of the town in 1851 was 4426. In tho rcign of Fdward I. Bromsgrove returned two members to Parliament; but when the trade of the town declined the inhabitanta petitioned to he freed from the franchise. The living is a vicarago in the archdeaconry and dioceso of Worcenter. Bromsgrove Poor-law Union contains 15 parishes and townahips, with an area of 47,206 acres and a population in 1851 of 21,824.

The town consists principally of ono good street about a mile in length, lighted by gas, and paved. Commissioners verc appointed under the powers of an Act of Parliament obtained in 1846 for the purpose of effecting varions improvements in the town. This measure has been highly heneficial.

The church of Bromsgrove, dedicated to St. John the Baptist, is situated on a gentle eminence; it has a beautiful tower and spire, together 189 feet in height. There was a church it Bromsgrove at the time of the Conquest. A chapel of ease at, Cats Hill in this parish has been made a district church. There are three or four Dissenting chapels, a literary and scientific institute, National and Infant schools, and a savings bank. A Grammar school founded by Edward VI. in 1553, and further endowed by Sir Thomas Cookes, Bart., in 1693, has an income from endowment of about 35l., and had 58 scholars in 1852, of whom 12 were free scholars. The 12 bogs on the foundation are educated, clothed, and apprenticed; and in Worcester College, Oxford, are six scholarships and six fellowships, tho racancies in which are filled up by boys selected from this school.
The liuen mannfacture was formerly carried on at Bromsgrove, but has been abandoned. Nail-making is now the principal trade; there is also an cxtensive manufactory for patent buttons. In the parish of Stoke Prior, and closely adjoining that of Bromsgrove, arc situated the extensivesalt and alkali works of the British Alkali Company. The manufacture of salt has hecn carried on for centuries in the adjoining horough of Droitwich, where it is prepared from rich spriugs of nativo brine. Rock-salt was discovered in 1829 at Stoke Prior in the course of sinking a pit in scarch of brine. The beds of salt wero of great thickness, and were excavated to a considcrable cxteut; but at present the supplies for making refined salt are derived from a natural brine spring, which has communicated with the excavations. Immediately after making this discovery, the proprictors erected exteusive works for the mauufacture of salt, and for the preparation of l3ritish alkali by tho decomposition of this enbstance, which very speedily chauged the grcen fields and retired lancs into an active manufactory and a popnlous village. The Birmingham and Worcester Canal passes near Bromsgrove and Stoke Prior. Bromsgrore is situated in a highly-cultivaterl and richly-wooded valley. On the Lickey Hill, which forms one of its acclivities, are the sources of the river Rea, which flows throngh Dirmingham; of the Salwarp, which passes through Droitwich; of the Arrow, and of several small strenme, some of which fall into the basin of the Severn and ultimately into tho Irish channel, while others descend in the opposite direction to tho basin of the Trent and the German Ocean. The strata belong to the ucw redsandstone formation. The Lickey Hill is composed of quartz, and is regarded by geologists as the sourco from whence have becn derived the vast heds of gravel which extend through Oxfordshire, in tho valley of the Eveulode, and even along the Thames.
1316OMWICH, WEST, Staffordshire, a miuing and manufacturing town, and the scat of a Poor-Law Union in the parish of West Bromwich and hundred of South Offley, is situated in the heart of a mining district, near tho river Tame, in $52^{\circ} 31^{\prime} \mathrm{N}$. lat., $1^{\circ} 59^{\prime} \mathrm{W}$. long., four miles from Birminghan, 113 miles N.W. from Loudon by road, and 115 miles hy the North-Western railway. The population, which in 1831 was 15,327 , increased by the gear 1811 to 26,121 ; in 1851 it was 34,501 . The parish is divided into two districts, namely, north-east ( 16,706 inhabitants) and sonth-west ( 17,885 inhabitants). It is governed by the eounty magistrates, who hold petty sessious. Tho living is a perpetual curacy in the archdeaconry of Stafford and diocese of Lichficld. West Bromwich PoorLaw Union contains six parishes and townships, with an area of 20,165 acres, and a population in 1851 of 69,718 .
The circumference of the parish of West Bromwich is about 13 miles, nine of which are marked by the conrso of the river Tame as it flows from Oldbury to the Trent. In the 12th century Birmingham, Castlo Bromwich, Little Bromwich, and West Bromwich all belonged to one fendal lord; and Bromwich is said to have been distinguished from Bromwicham (Birmingham) by the prefix West, which indicates its relativo position. West Bromwich affords a l'cmarkable instance of the growth of population and wealth through mining and manufactnring industry. Within the space of a few years it has grown up from heing little else than a barren henth to a town nearly three miles in length. The iron and coal beneath the surface of the whole parish have caused the growth of the town. The inanufacture of iron goods is carried on very extensively at Bromwich : gnns, gun-locks, swords, bayonets, saddlers ironmongery, firc-irons, coach ironmongery, cliaine, bolts, nails, aud agricultural implements are among the iron goods made here.

- The Earl of Dartmouth, who is the chief landowner, has a seat at Sandwell Park, near West Bromwich; it occupies the site of a small Benedictine priory. The carl has appropriated about four aercs of ground, inclosed by a wall, for the uso of tho inhabitauts. The Birmingham and Wolverhampton Canal supplics West Bromwich with water-carriage for heavy goods.

All Saints pariah church belonged to the priory of Sandwell, aud the original structnre is supposed to have been built about seven centurics ago; but the body of the church was nearly all rebuilt in 1785 , and the upper part of the steeplo was rehnilt in 1824. Chist church was built in 1828. Trinity church and Sto Jamen's havo been erected

Wrime a rucen: perturt These aro wix chapels for Weel yan Motholista,
 Lis, and ome for Itoman Cath lica There aro four Natioual sohools, ani 1 choole are oompected with moet of the clanpla A literary inotutule and swo ancolimion imetitutiogn are in the parthls.

Thas aro ga-morks at liroastlets on mo extontire is sealo an to hare 150 mine of pipm in coranection whith them. The gea company has fro otatloss, one at lismingham, whleh supplies a great part of that town, aml own on the Durlley Roat The two Etitions together prolnce $\$ 00,000,000$ entie feet of ras la a gear.
tirOMYARL, Hersfonlhire a marketown and the woat of a Poor Law linion, ts the paribls of Itromyanl and hundred of Iroxnah, in

 24 sulles frven Prumgant, if 123 milles from Loudon by the Great
 popalation of txe privih of fromisard was 3000 in 1851. The livlng Paparectory and ricansfo lo the archdenconry and diocesso of Hereford. ISmemyni Pom Law Union contains 33 parishen aud townshipe, with an arom of 50,200 meree and p popnlation in 1851 of 11,05 ?
The paridi of Bromging it alunost eneirclad by the river Frome; the toru liem e nhort distance from ite right bank. The clurch is a efmecious strueture, partly in the ※orman and partly in the decoratod itslo ; with pare, side inides, and chancell ; it 18138 feet long by 65 feit wila In tho town aro places of worship for ludepondeuts Weet yan and Primlltre Methodists, nud Quakers, Tho Free Grawnar mehool, founded by Queen Elizabeth, A.D. 1565, and augmental in 1065 by John P'eryn, Esq, a natire of Bromyand nad after: warlo aldermun of Loudon, is under the patrounge of the Coldsmiths Complany and the prinolpal inlabitanta. Its income is about 1200 . a year: the number of scluolars in 1852 was 40 . Mr. Peryn also left funts to ootallinh in the churel of Bromyarl a divinity lecture to be delivered overy week, by pix neighbouring clergynco ; who are still - Flywintal to ofminte, as raconciee occur, ly the principal inhabitants of the parith. There are Natlonal schocls, an almaliouse for widows, - diryemant, and a nsringa bank. An agricultural society wns formed In 154. 人 cousty court io held in Brongari.
The mingistratei of the dintrict hold their petty sassions orcry Yundlog th preminces called ' Dumbletoin Hall', formerly an old man. nit house len is the pariah, but receutly rebuilt by subscription, and pow aforliag zocommodation for parachial meetiugs, the sariugs bank, Arecugino houne, ac A now police atatiou house with a resi. deace for a superiutendent was built in 1844. Thero in a covered zartet placo wtic commodious stath and benchics; but poutlery nand dning proluce aro at ill sold in the public atreeta. The market in held on \& ndag. There are fairs for livo stook and agriculturnl produce duriug the yoar. The town is wholly dependent on ngriculture. Bromyand returom liurgemeas to l'arliament up to the reign of EJWan li, whoo chio pririlogo was withdrawn at the request of the thabaticaste who pleaded their innbility to lle fray tho expeusaco of their reprosentive Ihring the eivil wars betwoen Clanfles 1 . nnd the parlinement, the rogal arnng with the king iu persou unarched from Wormenter towardi llerefond to relieve that city theu boeleged by the prinameatary forcoe On thit occaslon the kiug and the court lay at Bnumpart on cho 3nd of September 1015; and on the followiug day Pmandel to Herefors.
Bibosita a hmo la the prorlice of Catania In Sicily, situated at the watern base of Slount ARtun, 22 uiles N.N.W. from, the clty of corn, alroonde, wine, pirtachio nutk, and wilk. Bronte, hans inanuffasureon of rapor and coasmo woollens, and hat a papulation of about poon. It lon molera wow, nuil han grown out of osperal reatterol hat istion nimeo the tlme of Charlen $Y$. Ailni iral Lorrl Nelnon was


Mitoukisis, e city, the capleal of King's County, Stnto of Now



 prot liy toow oll hincs the cominevcement of the prosent coutury. 10 10 the polvalats wh 32,8, in 1830 it was 15,330 ; in 1840 it Tai 2n,223; 10 1450 le hed riven is $09,839$.
 prif of wall buat churcteen and public lunilulinga. The clty is



 the erim. and litany leing free to the tohabitank of tho duritrici.' Thare aro deo sumprove elranowd pelioxith and coulenies for south of hotb nasm Amoug the cultic totlhingh ar the City liall, a hand-
 Warep pert of the town in tha Cnited state Nar firrl, on the Whalkurh corvering sbout to acrow Connectal with the Na'ry Yard
an Immenne dry dock, the most extenslre work of its kind iu the Uuitel States Fantward fron the Nary Yard stande the Naval Hooppital on an eminence commanding an extensive proxpoct of interesting ncenery; the hoapital standa in a well lald out mork of about 33 acreas. The Greenwood Cemotery, covering about 300 acros of ground, in the south grart of the city, ls pleasingly laid out with wnlks, Lrees, shrubbery, and small poids or lakes, and contains numerous sood monumonts, many of which are of white marble. Arooklyn hins communicatiou with Nov York by five ferrics nerons Finst Hiver, which is hero about half a mile broun, nud nerose which firstdines stoamena constantly ply, the usual charge beiug oue cent for each pmeonger. Carringes aud waggons aro aloo oonveyed acrose A cousiderable amount of trade is carried ou in Brooklyn. It is a fuvourite phaco of residence for the merchants of Now York. Four dnily yewspapers aro published in the city. Some remnins are still risible of fortificatious erected by the Americans during the rovolutionary war. The nite of Fort Green has been conrerted into a public park called Washington Prark. Near the Navy Yand is a tomb in which wero placed the remnins of 11,000 Amerienna who peristied in the prison khips which wero moored in the bay during the period of the revolutionary struggle.

BROSELEY, Shropalire, a markettown in the psisish of Broselcy aud district of Weulock borough, is situated on tho river Severu, in $52^{\circ} 31^{\prime} \mathrm{N}$. lat., $2^{\circ} 30^{\prime} \mathrm{W}$. long., 13 m miles E.S.E. from Shrevsbury, aud 144 miles N.W. by W. from London. The population of the parisis in 1851 was 4739 . The living is a rectory beld with the rectory of Linley in the archideaconry of Salop and diocose of Hereford. Extensive iron and coal mines and brick and tile works afford tho chief menns of omployment to the population. The parish cluurch, an edifico in the perpendicular stylo, rebuilt in 1845, will necommodato about 1200 persons. There are places of worship for Baptists, ludependents, nud Weslegan and Primitive Methodists. Withiu the parish are two National schools. The town is lighted with gas. 1 market is held on Wedneadyy, and an anuual fair on Easter Moudny. A spring of petroleum or fossil tre was discovered here in 1711. Atter some yenrs the sulply of potrolcum failed, but the spriug broke out again in 1747, and yielded about throe or four barrele a dny ; about 1752 the apring was cut into in searching for conls, and the quantity of petroleum yield dal has since been sunall. At Pitch ford, a few miles frem Broseley, is a conrse-graiued saudstone, highly inpregunted with petroloum.
BROUGIT, or BURGH-UXDER-STAIMMOOR, Westmorland, a small markot-town in the parish of Brough, in the Enst Ward, ia situated on the mail-concl rond to Carlisle and Glaygow, in $54^{\circ}{ }^{\circ} 23^{\circ}$ N. Iat., $2^{\circ} 20^{\prime}$ W. long., 8 milles S.E, from Appleby, and 262 miles N.N.W. from London by rond; Tebay station of the Lancaster and Carliselo railway, which is 16 milles from Brough, is 263 uniles from London The population of the to maslip of 1 roongh in 1851 was Ti3; than of the entire parish was 1533. The living is a viearage in the archdecaconry and dioceso of Carlisle.
The town of Brough is little more than a villago, the rail wny haring destroyed the conohiug trado which from its position on the North Mnil liond It formerly possossed. A small weokly market is held on Thursday: there are two cattle markets and two aunual fairs, one of which, callocl Brougl- Hill fair, is held on a common two miles frons the town, and is a groant fair for cittle, horses, wearing appanal, nand harl ware. Tho town is divided into two parts, called Barket Brough and Church Brough, by the Hilbeck, a sinuall feeder of the Eden. Lead aud cond miness in the parish give cinployment to a cousiderable number of the lubabitants. The clurch is a ueat atructure of the 1 thl contury, witla a handeone embnteled tow er of somewlint later date, nad a peal of four bells. There lea a chapel at Stainumor in tho parish; and there are places of workhip for Maptists and Wealegan and Primitive. Methodists. The Enduwed Gmmmar school hins rocently been incorporated with a National scliool.
Brough Cantle is a very ancient cdifife: tho ruins atand on an eminence, in tho midst of what is supposel to hanvo been the Rounn strtion of Vertere. Both castlo nad town were taken and nacked by King Willinin of Scotland iu 1174 . Tlio chlef parts nown ntandiug uro portions of the keep nud some other towers; the keep in in its gevernl appearauce similar to thone of the Tower of London, Rochastor Castle, \&ic Many Roman coins have been dug up in the parisil.

RROUGHSHANL: [ANTMA.]
BlROUGHTON ARCHIPELAGO. Yaucouver gave this uame to the group of islands discovered by him in company with Captain Broughton, in 1793, of the west coast of North Ainorica, to the north of Ynucouver Island.
The Chathin Islands, dlsoovered in 1791 by Captain Broughton,

Broualton-in-furniss. [laxcashme]
BROUGHTY FlRREY. [Forpanshite]
BliUCIISAL, na old town on the Salzich, in the cirele of NittedRheln, in the grand duclyy of Baden, is mentioned in ancient recordy botweon the jears 937 and 090 , whicn it was called Bruxole. It was the renldenco of the hlahops of Spircs from the year 102t, and came Into the possession of the grnad dukes of Baden $\ln 1803$. It is aituated 15 miles N.E. from Karlsruhe by the railwny to Mannlhein,
and has a population of about 8000 . The town, which is surrounded by a wall, is well built, and consists of the Old Town, the New Town (founded in the last century), and the suburbs of St. Peter and St. Paul, which the Salzach separates. The buildings most deserving of uotico are the former episcopal palace, a handsome structure in the Italian style; spacious barracks and stables; three parochial and three auxiliary churches, the finest of which is that of St. Peter, where the last four bishops of Spires lie interred; an ecclesiastical seminary; a gymnasium ; a military hospital, another well-arranged hospital for to patients, conducted by the confraternity of Pions Brothers, and provided with an anatomical theatrc and a lecture room; and a general house of correction for the circle of the Mittel-Rhein. There are some salt-works outside of the town; but they are in a state of decline. The principal occupation is making and selling wino.

BRUFF. [LIMERICK.]
BRUGES, a city in Belgium, capital of the province of West Flanders, is situated in a level couutry, in $51^{\circ} 12^{\prime} \mathrm{N}$. lat., $3^{\circ} 13^{\prime}$ E. long., about 6 miles from the sea, aud has a population of 49,457 . Its Flemish name Brugge is derived from the number of bridges which cross the canals. The city is connected with all the principal towns in Belgium by railway. It is distant 14 miles E. by S. from Ostend, 59 miles W. by S. from Antwerp, and 75 miles W. N.W. from Brassols: Its distance from Brussels in a straight line however is only 60 miles. In the Tth century Bruges held the rank of a city. In 837 it was fortified by Baldwin, cout of Flanders, in order to form a barrier to the progress of the Northmen. The city was surronnded by walls in 1053 , and enlarged in 1270 . It was aimost entirely destroyed by fire on three several occasions-in 1184, 1215, and 1280. It was further enlarged in 1331 by Count Lewis de Crecy. In order to commemorate the high degree of perfection to which the woollen mannfacture had then been carried in Bruges, Ihilip the Good in 1430 instituterl the order of tho Golden Fleece. While under the dominion of the dukes of Burgundy Bruges became a principal emporium of the commerce of Europe, the great centre of the English wool trude, and the connccting link between the Hanseatic leaguc, and the great trading republics of Italy. The merchauts of Venice and of Genon conveyod thither tho produce of Italy anil the Levant, which they exchanged for tho manufactures of the north of Europe. The tapestry of Bruges was at that time the most esteemed of anj in Europe, and this reputation it long enjoyed. In addition to the woollen manufacture Philip the Good gave encouragement to many other branchos of industry, and particularly to the production of silk and linen fabrica. His enlightenod patronage attracted the Van Eycks to Bruges, in whoso time the painters' guild, enrolled in 1353, numbered above 300 painters. At the time of its greatest prosperity Bruges is said to have hal a population of 200,000 .
In 1438 the citizens rose against the archduke Maximilian, and placed him in confinement. Ifaving vainly solicited the king of France to support them in this act of violouco they were reduced to submisaion by the emperor of Germany, who marched to the deliverance of his son. On this occasion 56 citizens were condemned to death, and a great number were banished; the city was deprived of its privileges and was subjected to a heavy fine From this time the city lost its commercial importance, which was in great part transferred to Antwerp. In 1560 Pope Paul IV. erccted Bruges into a bishopric, whicle was united to that of Ghent by the concordat of 1801 but since the fall of Napoleon has recovered its independence. Bruges was bombarded by the Dutch in 1704. Two Jears thereafter it surrendered to the allies; and it was twice taken by the Frenchin 1709 and 1745 , but revcrted to the house of Austria. In 1791 the troops of the Frunch republic took possession of the city, which was soon after incorporated with France, and so continued until the closo of the war in 1814, when it became part of the kingdom of the United Netherlands, Bruges, luring its annexation to France, was the capital of the departmeut of Lya.
Eruges stands on the littlo river Rege, which was formerly navigable, and crowded with richly freighted cargoen up to the quays of the town, but is now almost absorbel by canals. Namparts extending all round the town form an agreeablo public walk. The streets of tho town are narrow, but neat and clean, and the honses are mostly large and well built; many of them havo an appearance of grandeur which attests the opulence of their former inhabitants. The public buildings are numerous and interesting for their antiquity, their architecture, and the work of art which they contain. We can here only enumerate the principal.
The cathedral of St. Sauveur, in Staen Street, is externally an ugly brick building; but the interior is the finest in Briges. It dates from 1358, and contains several curious paintings by Hemling and others, and a series of monumental brasses. At a short distance from the cathedral is the church of Onze-Vrouw (Notro-Dame), surmounted by a tall brick tower: the interior is celebrated for its elaboratcly carved pulpitpand for the statne of the Virgin and Child by Michel Angelo. In a chapel on the south side of the choir are the tombs of Charles the Rash and his daughter Mary, wife of the emperor Maximilian. Mary' monument was erected in 1495 ; that of Charles was erected at the cost of his great-grandson, Philip 1I., about 1558. These monuments, so dear to the Flemish, were conccaled from the rapacity of the French by the beadle of the church; they were cleaned
and re-gilt in 1848. Close to Notre-Dame is the hospital of St. Johu, Where the sick are tended by nuns, and in which are the celebrated pictures executed by Hans Hemling in 1479 and presented to the hospital iu gratitude for the attention he received in it after the battlo of Nancy, in which he was wounded. The subjects of these almirable paintings are the 'Virgiu and Child with St. Catherine,' the 'Decollation of St. John the Baptist,' and 'St. John at Patmos;' the two latter are painted on the shutters. On a Reliquary are painted by the same artist the Life and Martyrdom of St. Ursula, a scries of small pictures which rank, says Kugler, among the very best productions of the Flemish school. In the chapel is an altar-piece by Hemling, representing the Adoration of the Magi : and at the sides the Nativity aud the Purification. The large gothic hall of the hospital, divided by piers and pointed arches into aisles and partitioued off into wards and dormitories, remains the enme as when Hemling was tended in it. The town-hall, an elegant gothic structuro, dates from 137\%. Tholong series of statues of the counts of Flanders which filled the niches on the façic was pulled down, smashed, and burnt in the great squaro by the Freuch in 1792. In the grand laall of this building, remarkable for its opeu roof of wood-work, tho public library is placed. Adjoining the town-hall is the court-honse, the council chamber of which is decorated with a finely-carved wooden chimuoy-pieco, representing life-size statues of Charles V., Mary of Burgundy, Charles the Bold, and Margaret of York. At the other end of the town-hall is the curious chapel of the Saint Saug, uncler which is a crypt dating from the 9 th century, and said to be the oldest building in Bruges. The former cathedral of St.-Donatus, which was demolished by the French, stood opposite the town-hall, and coutained the remains of John Van Ejck, who died here in 1441. Its site is now planted with trees, among which is a paiuted plaster-cast statue of Van Eyck. Tho Acalemy of I'ainting in the Het Poorters Huis, which was formerly the factory of the Biscayans, is rich in old paintings by Yan Eyck, Hemling, and others. On one side of the Grande Place is the Halles, which dates from 1364, and is surmounted by an elegant gotbic tower of great height, and commandiug fine views of tho town and surrounding country. This tower contains the carillons, or chimes, which are the finest in Furope; they are played by machinery every quarter of an hour. Bruges was famous for its chimes as early as the year 1300. On the south side of the Grande Place is a house (Au Lion Belgo) which was inhabited by Charles II. during his cxile from England. Of the many other remarkable structures in Brugea we can only name the Beguinage, or convent of Beguine nuns, at the west ond of the town, and tho English nunnery, founded about a century ago, and admired for its beautiful chapol, in which part of the offices are exquisitely chanted by the uuns.
Six canals diverge from Bruges to Ghent, Sluis, Nieuport, Furnes, Ypres, and Ostend. The high embankments along the causl to Ghent are immortalised by Danto in the 15 th canto of his 'Iuferno. The caual from Ostend allows tho passage from tho sca to Bruges of vessels of from 200 to 300 tons burden. There are besides a wet dock and a dock for the building and repair of vessels, and warebouses for receiving goods in eutrepot. In the 12 th aud 13 th conturies the port of Bruges is sail to have been at Damme, now a small rillago 3 miles N.E. from the town. Here were docks and basius capable of holding 1000 sail, where now is a fertile plain.

Bruges has an academy of the fine arts, an athenwum or collego, in which lectures on every branch of education are giveu gratuitously, a inuseum, a botanic garden, a public library, a cabinet of natural history, and a school of navigation. The priucipal trade is in linen and cotton manufactures, corn, flax, hemp, and colza. The manufactures of Bruges consist of linens, lace, woollen and cotton goods, ealt, refined sugar, earthenware, paper, and other minor branches of industry Its trade, which had greatly decayed, is said to be partinlly reviving under the influence of that general prosperity which Belgium has enjoyed since her separation from Holland. The city however still has a desolato air; it is too large for its population, aud the passers-by in its streets seem fow.

## (Murray's Belyium and the Rhine, London, 1852.)

BRUNN, the capital of Moravia, since 1641, wheu the seat of government was transfcrred hither from Olmitz, is situated in the fork between the Zwittova and Schwartzava, at a distance of 92 miles by railway N. N.E. from Vienna, 102 miles S. IV. from Prague, and has about 40,000 inhabitants. It stands in the middle of a fino opeu country, and partly on an eminence which commands some beautiful and extensive prospects. The town is surrounded by a deep ditch aud high walls, and was formerly protected by the citadel of Spielberg, constructed on the summit of a hill 816 feet in height; but since the partial demolition of its defeuces by the French, iu 1809, the Spiclberg has been converted into $n$ stato-prison and $n$ house of correction. 'Tho fortifications of Brinn have been greatly strcugthened since 1950. East of the Spielberg is another eminenco, tho Frauzens. berg, about 600 feet in height, along one side of which tho resideuces of the chapter and the new parts of Brinn have beon eroeted. Independently of the Spielberg, the toma is about a mile and a half in circuit, and has four gates facing the cardinal points; the strcets are irregular, narrow, and crooked, but well paved, provided with flag. stones for foot passengers, and well lighted at night. There aro seven squares ornamented with fountains. The Large Square is of
oquacious dimemaiong aurroundal by gonl dwelliseghoumes, and empallishod with a landmone colusus. Hrunn is divided into six pariden, and lian at many paruchial churchom, lrealdew those in the suburth The cathelral unade on the l'oternberg, a rocky height in the woet mart of the town. St. Jsoobie ia a fine apocimen of the gothic atyle of the berimiug of the 1 th century: the roof, which is very lofr, in aupported ly twe rown of columis, nod in coverel entirels with copper: the iteeple in $2: 6$ fout high. The church of the Miporiteg with the eljoiniug eacrel etnircase and houn of Loretto, Is of peculiarly handeome conutruction; and tho chureh of the Capte ehtron (celebratel for Sandrart's fine altar-picee, the Raining of the Crome), an well an the gothic church of the Augustiuian monantery, in the Alttrtinu mburb, with Kranach's Madouna suld a large library ane well ilomerving of notice Among other public buildiug aro the Diouterial 11 ouse, whiel containn the governor's residence and the government-omioe ; the palace for the military department; the cown-hall which is embelinhed in the gothie style; the theatre, and Ite e-ectuby-room ; the Jenits' college, the northern front of which oceupien one wide of a whole atreet; the archiepisconal palace built ou Lie l'elemberg, ove of the unat communding sites in the town; the handnowe manions of the nobility; the militnry hospital; and the Marianchool, an endowment for femaloa of noble birth. There aro several delightiul promenades in and near Brinn, the most attraetive of which are the gardens on the Franzensberg, which are ornameuted with an obeliek, 60 feet high, erected in 1818 in honour of the emperor Fracis $L$; and tho Augarten, a park laid out in the English and Freach atyle. Ibrinu is the seat of goverument for the Margravinte: and alio of the high courts of jndicature. It gives title to the metropolitan of Morarin, and the Protestant consistory is estabtihed here. Among the oducational eatablishments of Brimnaro au epincopal meminary, a gymnasius, a museum, a training school, na sowlemy for girla ateached to the Ursuline convent, and several other chools. The priscipal benovoleut iustitutions of the town aro a genoral fuxtmary, a lyingin hospital and lunatio ngyluun ; an orphan aylum; arylums for the blind, and the deaf and dumb; and a national loas-bank. Independently of the house of correction ou the Spiclberg, there is another here for the province in geueral.
Brlins is one of the most important manufheturing towns in the empire of Auatrin It is particularly noted for the manufacture of fino woollen cloths and kerneymeres, silks, ribbons, yarns, leather, glores, carpeta, cotton prints, and rinegar. No town iu Moravia has so extennivo domestic trale, in which it is much favoured by its central promition and by the railways which conncet it with all the leading towns of Austrin, Prussia, and Central Germany. It bas four Wholemale markots in the yenr, which are each of fourtwen dayg' duration. The trade of Brinu in colonial snd other foreign productions is also extersivo.

BRUSSWICK (Brausechweig). Two distinct sorereignties have prung from the houme of Brunswiek. The possessions of the elder or ducal line are confined to the grand duchy of Branswick-Wolfenblitce: the sounger or clectoral line, by whom the kingly title was cusumed in 1814, posscases the kingdom of Hanover, and is also denignated tho Brunswick-Luneburg, or Ilanoverisn line. Tho Intter livo han given kings to Great Britain since the commencement of the 18 th eevtury. This article relates wholly to the duchy of Bruuswiek.
The duehy in at prenent divided into six cireles, whieh, with their revpetive ana and jopulation, are an follows:-

| Circles. | Area in Square Mllen. | 1'op. 3a Dec. 1852. |
| :---: | :---: | :---: |
| nresemith | 224 | 69,702 |
| Wolfonbatel | 230 | 52,662 |
| Italimindow | s03 | 44,312 |
| Soderilorion | 316 216 | 30,400 |
| mankemias | 2;6 | $12,25 \%$ 22,402 |
|  |  |  |
| T0.al | 1324 | 270,625 |

Thu lande of whieh the duehy of 13ronawick is composod priseipally onnabt of thee fargo unconnectad dintricta, Iylug on the bankn of the Aller, Ocker, leime, and Wemer, in the north-weet of Germniny, The soont arutbern of them dintricta lies wholly upon or next the Iower liars; the eavern dimeriet exteadn from the northern foot of the liars to the plafmof linneburs, and in traverned by neveral rauge of bilk, bot decliove in the north to an uninterrupted plain; and the third or weatera diftriet io all highland, and conlumees portione of the \&olline. She mad II dle sangen. Thee territorion we bounded of, nurl \& by lianover, Kimb \&R ly Pruaian Raxony and Anhalt, ard W. by the Wiener which divires them from the Prueian dominiona Ifranawich powing throe imolatad demeanew-tho bailiwiek of Otemeth, on the righe lank of tho Wemer, whieh in quile detachod from the net, asd han the priacipality of Wallock for lis neighbour; the bailiwiek of Thodinghmea, which in momunded by the llanorecian carklom of lioya: ant the baillwiek of Calvorile, which is elfasted rishla the loorien of Prumian Siacouy. Thewo several posmand were formeriy combitnent pert of the (German empire, con.
winting of the priacipalities of Woffenbüttol and Blankeuburg, the occlesintieal bailiwick of Walkenried, tho bailiwick of Thedinghausen, and other isolntad parcels of land, together with four-fifths of the novereignty of the Lower Harr.

The uorthern distrieta of l3rnnowiek, partieularly the priueipality of Wolfenblttel, harn an undulating surface, jutersected by weveral ranges of hills, aud there are also nomo forests: at their northorn extremity heaths and moors occur. The southers distriets, including the Blankonburg verritory, which lio within tho limits of the Harz, are a succeasion of highlands and mountains, in part well wooded, and furrowed by wide and highly-cultirnted valleya. The Harz is tho prinelpal mountain range in the Bruuswick dominions; it amounts to 104,000 acres, independently of its offacts. The loftiest summits within the duchy are the Wormberg, whiels is 2950 foet, the Radauerherg 2317 feet, the Föntertrinko 2298 feet, and the Rammelsberg 1914 feet high. Throughout the duchy tho surface gradually declines from this range towards the north, the larger portiou sloping to the bankn of the Weser, and the remainder eastward iu the direction of the Filbe.

The soil in the north is highly productive, with the exception of the extrome borders, which beloug to the great Lineburg plain, though even here it does not degeuerate into mere drift-sand or barren beaths. In the south the country is mountainous and of a stony chameter, which is particularly observable of the Blankenburg distriets; but in Wolfenbuittel and Seheppenstidt, and next the Weser and Leine, it admits of profitable cultivation. Thedinghausen consists partly of marsh and partly of higla land. The most unproductive tract in Brunswick oeeurs in the bailiwick of Ottenstein, in the Holaminden circle.

The whole of that part of the Ilarz which is comprised within the Brunswick territary belongs to the region of tho Lower Harz; the highest point is on the uorth-east edge of the most southerly districts, whence it spreads uot only over the entire principality of Blankeuburg, but sends out its brauches, though not always in au uubraken line, over most parts of the duchy. These mountaius contain the bulk of the woods and forests of Brunswick; the higher regions of the liarz are exclusively tho rigions of the fir aud pine; tho less elevated have these species of wood intermized with uuderwood; and the lowest acclivities abonnd in oaka, beeches, birehes, Alders, \&e.

The most cousiderable river in the duchy, the Weser, flows for nbout twenty miles through its western territory (where it is navigable), and again through the district of Thedinglausen, which lies nbout 14 miles S.L. from the eity of Bremen. Among its tributaries, the Aller traverses $n$ small portion of the northern district of Vorsfelde ouls, but in its courso receives the Ocker, the principal river of the northern half of Brunswick, and is very useful to the duchy as a means of transporting timber. Other tributarica of the Aller nre the Leine, which divides the Harz from the Weser distriets; the Fuse, which traverass the western extremity of Wolfenbiittel; and tho 1 nnerste, which rises in the 1 Iarz, and parses into the Hildeshein ter ritary. The chief streams which dischargo their watere into the Filbo or its tributaries aro the Ohre aud Bode. The Bode is the principal river of Blankenburg.

Bruuswick contains a great number of ponds. The Wipperteich near Vorsfelde, is still the largest of them, although a considerable portion of it has been reelaimed. There are mineral springs of some note at Helnistedt and near Secsen on the llarz, and sulphuretted waters near Bisperodo and Bessingen. The great morass which formerly extended from the Oeker to the Bode lias been drained by tho navigablo canal which now unites those rivem.
Tho valleys between the mouutain ranges of the southern aud weatern parts of Brunswick are by 110 means no favourable to the growth of grain as the rich lands in the vicinity of the Weser aud leine. The enstern lighlands also, being too cold and atony for agricultural purposes, are used for grazing and supplying timber; but the northern part of Brunswiek, whero the sand usually acquires con kistency frem the presence of lonm or mould, yields good crops of most kinds of grain. The country is seldom parehed by excessive hent, nad winter is usually linited to three monthssduration iu the northern districts; and eveu in the southern the atinospliere is celd and exposed to ntorms ouly ninong the mountain regions of the Harz. In the northern, larvest begins in the third week of July; and in the mouthern it is not nbove fourteen llays later.

The ngrienltural products comprise whent, rye, barloy, oats, hay, common fruits, beans and peas, potatoes, tobacco, hops, rnpe-seod, chicory; mud flax.

Horses apd horned cattle are numerous, but of mether iuferior breed. Great attention is paid to the rearing of shoop, and wool is an import ant article of the commeree of the duchy. Uf goats nnd poultry the supply is scanty. Great numbers of bee-hives are tept in the mandy dintricta where heath grows. Fresh-water fish, such as carp, pike, and trout, are plentiful.

The woods and forewt are placed under the control of a publio honnc. Their mont extepsive mites are the districts of the Harz, Blaukonburg, and the Weser, wheno the felling and prejariug of timber, and the working it into utensils and for other domestic pur powan, cmploy a vant number of havds. The most common kinds of woorl aro beech, fir, piuc, aud oak.

The mines of Bruuswick are of two elasses; one class comprising such as are worked in conjunetion with Hanover (Communion-Harz), and the other independently of it. The mines of the Upper Harz yield small quantities of gold and silver, and are rieh in iron, copper, lead, litharge, zine, vitriol, sulphur, and salt. These mines are under the direetion of a joint board at Goslar. The independent mines lie on the Lower Hař, in the prineipality of Blankenburg, near Seesen, and the district of the Weser ; their priueipal produee is iron. Other mineral products are marble (near Blankenburg), alabaster, limestone and gypsum, potter's-clay, asbestos, serpentine, agate, jasper, chalcedony, garnets, porpbyry, sandstone, freestoue, conl, and alum. There are several saltworks. Cobalt and oehre are obtained from the Rammelsberge mines in the Upper Harz.
The peasantry use the Low German, and the tornaspeople and persons of education the High German dialeet. For higher education the youth of Brunswick frequent the neighbouring university of Göttingen, into which 40 lruaswiek studeuts are admitted gratuitously, the duchy contributing a small portion of the professors' stipends. At the head of her own educational establishments in Brunswiek, nro a lyceum, couducted by 19 professors, and frequented by pupils from the higher elnsses of society; an anatomical and surgical institute; a gyinnasinm; aud other sehools. There are gymnasia also iu Wolfenvïttel, Helmastedt, Blankenburg, and Holzaniuden. For the poorer elasses there are sehools of industry, eivic sehools, and above 400 parochial schools in the duchy. There is a public library at Wolfenbüttel, containing upwards of 200,000 volumes and 10,000 manuscripts, \&c., besides librarics and cabiuets in the capital and in other towns.
The constitution of Brunswiek is a limited monarehy, the form of which is determined by the national compact of the 12 th of Oetober, 1832. The sovereignty passes to the femalo npon the failure of the male line, and the heir-apparent comes of legal age on attaining his eighteenth yenr. The legislature is composed of the duke, au upper ehamber consisting of 6 prclates and 78 holders of equestrian estates ; and a lower chamber, composed of 6 prelates, 19 deputies from towns ( 6 from Brunswick aud one from every other town), and as many representatives of the landholderz, who do not possess equestrian righta. During the prorogation of the chambers, a permanent committee of representatives aets as a legislative organ. The legislnture must be assembled once at least every three years in the month of November. The taxes are voted for periods of three years; and crery point conneeted with the finances, and indeed with the administration of national affairs, is more or less nnder the cognisance and control of the legislature. All Christian persuasions enjoy an equality of civil rights. The property of the church, schools, and charitable endowments cannot be diverted from its original destination, nor can it be incorporated with the property of the state.

There are provincial boards in each eircle for its local government and police.

The revenue is derived from the ducal demesnes, monopolies, \&c., and the direct and indirect taxea. The income of Brunswick for the financial period 1852-54 is estimated at 4,052,500 thalers, and the expenditure at the same amount. For public instruction, ehurch aids, and benevolent institutions, the sum of 421,000 thalers, derived from property belonging to religious communitics and schools, is allotted during the same period. The public debt amounted in Septennber 1845 to $9,460,457$ thalens, $3,725,000$ of whieh were borrowed for the coustruetion of railroads. Brunswick is a member of the German Zollverein, or Customs Union, the reeeipts from which on its frontiers in 1851 amonnted to 393,618 thalers, in 1852 to 404,501 thalers.

The military establishment consists of an infantry corps, numbering 4857 men in time of war and 2476 in time of peace, with an artillery force of 502 in time of war and 244 in time of peace. By a military convention made with Prussia in Deccmber 1849, the Brunswick brigade is joined to the Prussian division in garrison at Magdeburg.
The mineral resourees of Brunswiek afford extensive employment for the labouring classes; but they are also extensively employed in the
spinuing of yaru and weaving of liuen. About 5000 tons of fax are spinning of yaru and weaving of liuen. About 5000 tons of flax are annually grown. The linen manufneture however has greatly deelined of late years. In the districts nearest the Weser the people kuit considerable quaytities of stockings; and in tho northern parts the peasantry make for their own use a species of linsey-woolsey ealled 'beilerwand.' Seed-oil is an important product of the lowlands, averaging 1200 tons a year. Other industrial products are paper, plaster-of Paris, lime, tiles, pottery, pipes, china, glass, soap, ribbons, beer, and tobacco. The manufacture of woollens is small, and principally carried on at Brunswick. The number of water-mills is 254 , wind-mills 63, and mills worked by horses 6 : besides these, Brunswiek possesses 51 saw and other mills.
The dnehy having no coast or navigable strenms, its trade with foreign parts is naturally cramped; but the introduetion of railroads connecting Brunswiek and Wolfenbüttel with the prineipal towns and ports of Cermany has given a great impulse to commeree. The ehief articles of home manufacture which aro exported consist of yarn, linen, grain, oil, ehicory, maddor, leather, timber, hops, and ironware. The importations are prineipally composed of colonial produce, raw materials, fish, butter, cheese, cattle, \&c.

The chief towns in Brunswick are those whieh give name to the several circles. Brunswick the capital and Wolfexbuttel are described in separate articles. Melnastedt, a walled towu with suburbs, is situated near the Prussian frontier, 22 miles E. by S. from Brunswick, and has about 6000 inhabitants. It was formerly strongly fortified, but the outworks have been levelled, the ditehes filled, aud their sites converted into walks planted with trees. The girding wall still remains, through which four gates lend iuto the town, an old looking place. It coutains however several small squares, two Lutheran churches, of which that of St. Stephen is the finest, an orphan asylum, a town-hall, and the former university building now used as a courthouse. The university founded in 1575 was suppressed in 1809 by Jerome Bonaparte, and a part of the library transferred to Göttingen. It has still a college and training school. The town is a place of some manufacturing and commercial activity : flannel, soap, hats, grain spirits, vinegar, leather, pipes, \&e. are made: coal mines are worked in the neighbourhood. Holzminden, 56 miles S.W. from Brunswiek, on the right bank of the Weser at the foot of the Solling mountaius, is a small but well-built towu, with a comparatively large suburb called Altendorf, and about 4000 iuhabitants. The town is a busy industrious hive, turning out a great variety of products-iron and steel wares, hosiery, flamel, linen, liuen-thread, paper, leather, \&c. There aro saw-mills, paper-mills, oil-mills, a hydraulie engine for cutting and polishing the flags brought from quarries of the Solling, and iron works. The Brunswiek tolls for the passage of the Weser are paid at Holzminden, which is also a port of entry for colonial and other produce required for Brunswick and the neighbouring parts of Germany. Gandergheim, near the Hanoverian frontier, 37 miles S.W. from Brunswick, is a small place with about 2000 inhabitants. It has a ducal residence, but the most remarkable building is the former abbey of Gaudershein, of which the abbess was always a member of the house of Brunswick. The town and former prineipality of Blankenburg are noticed in a separate article. [Blankenburg.]

BRUNSWICK, the capital of the Duchy of Brunswick, is situated on the Ocker, 37 miles by railway E.S.E. from Ifanover, 85 miles W. by N. from Magdeburg, in $52^{\circ} 16^{\prime} \mathrm{N}$. lat., $10^{\circ} 32^{\prime}$ E. long., and has about 42,000 inhabitants. It was founded by Henry the Liou. It became one of the Hanse towns iu the 13th century, aud until the middle of the 15 th was aceonnted the chief town in Lower Saxouy; but its prosperity declined with that of the Hanse towns. It is at present the residence of the Dukes of Brunswick. The fortificatious were levelled in 1794, and converted into promenades. The area of the town, which includes Richmond, the duke's country seat, Eisenbüttel, and the Münzberg, oecupies about eight square miles. The town contains some new streets, but the greater part of it is old looking. The streets are well lighted and paved. Among its 12 churches are the cathedral, in which are monumeuts to Henry the Lion and Matilda his consort, and the vault of the ducal family; aud St. Andrew's, the stoeple of which is 316 feet high. The chief public buildinge are the new palace, house of legislative assembly, mint, arsenal, opera-house, town-hall, Collegium-Carolinum, and general and lying-ju hospital. Between the Augustus and Steinthore gates au obelisk 60 feet high is erected to the memory of the two dukes of Brunswick who fell in the campaigns of 1806 and 1815. The establishenents for edueation consist of the college, a gymuasium, and seminary for teachers, a college of anatomy aud surgery, two orphan asylums, and a deaf and dumb asylum. There is a good museum in the arsenal. Brunswick has 7 gates and 12 squares or open spaees. A fiue avenue of lime-trees leads from the town to the duke's seat, Riehmond, the grounds of which are laid out in imitation of Richmond Park near London. The prineipal manufactures are woollens, lincu, lackered and hard ware, tobacco, chicory, mineral colours, sealingwar, china, papier maché, leather, coloured papers, brandy, and liqueurs. Brunswich has an important wool-market; its once celebrated aunual fairs are now of little account.
BRUNSWICK. [MaINe.]
BRUNSWICK, NEW. [NEW Brunswick.]
BRUNTISLAND. [Burntisland.]
BRU'SA, PRU'SA, BU'RSA, or BROUSSA, a celebrated town iu the aneicnt provinee of Bithynia, in Asin Minor, stands in $40^{\circ} 11^{\prime} \mathrm{N}$. lat., $29^{\circ} 26^{\prime} \mathrm{E}$. long., at the northern base of the Bithynian Olympus, in a most pieturesque and fertile country. Prusa is mentioned by Strabo (p. 564, Cas.) as a well-governed town, situated near the Mysian Olympus, which is the same as the Bithynian. Strabo (p. 564) says that Prusa was founded by Prusias, who carried on war against Croesus. Pliny i'Hist. Natu,' v. 32) says that it was built by Hannibal, alluding to the time when he was staying at the court of Prusias, king of Bithynia. The town rose to importance only after its capture by Orklín, the son and successor of Osmin, the first sultan of the Osmanlis, who took it by capitulation a few weeks before the death of his father, in A.D. 1326. Prusa surrendered after a blockade of ten years, effected by means of two castles whieh Osmán built iu the immediate ueighbourhood of the town, oue of whieh, the eastle of Balabanjik, is still standing.
Brusa beeame the residence of Orkhin, and this sultan, as well as Murad I., Bayazid I., and Mohammed I., fnd several Turkish priuces were buried in the new capital. It continued to bo the capital of the Turkish empire to the capture of Constantinople in 1453, though
during twemty yoans phevioun to thin event tho milans userl to rouide It Adrianople. Darizg ceveral censurles it was the principal coat of Turhah larning, ansl ite dirisen were notorioun for their projudioen and famasiciom: bat il inlabitants aro now diatinguinhad fur their soleration and boepiealiey townit firropente The popnlation is drout $\$ 0,000$, inclusling about 8000 Armanians, 3000 Greeks, and 8000 Jewn of Sjanith docont. A rapid torrost Dows along a doep gap thrugh the town, adi divile the Turkish quarter frout the Armenian. Tho otrota ane nimow und tolombly olan for a Turtish towu; the houme are mostly built of wood and clay. I3mina is woll supplial with fountaing, and contain eoveral rery fine buildingn, anong which the great rooeque in the moot remarkable: In the monjue of Daid Boomateri, meliner a munll buihling isho tomb of Sultan Orkhán. The sotal sumber of mosyues oxocols 200 . There are also lange hanern, sereral khame, collegom, Christins churches and sahooly, and mare than one gynaggue. In the ceatre of tho town is the citadel, buill on a rock. linian in ono of the most important commercial ocutrea in Turkes; it has as important trade in ruw silk, and its lonluntrial product comprise catin, carpets, longelotha, cutton and cottoa-t wint, taprary, de. The trade in corn, opium, and nucerschaum clay, which is quarried in the neighbourhood, is iupportand Tho bazares are well atocked with all kinds of Britiah and other Fiuropean manufactures, wlich are inported through Midaniyel, the port of Briwa, eis lagues dintant on the Sea of Marmara The trale with Contemsinople, Smyrna, and the interior of Asin Hinor is carried on by caravans There are eoveral permanent Europenn residents in Brass, The beanty of the environs of Brussa is celebrated, hut the principal featares of the town as well as the cuvirous are the hot springs. The chief sourco is abont a milo aud a half weat of tho town; it risen out of a calcareous tufi or travertiue, the formation of which is still going on in some places. Ilamilton found the heat of the water to bo $184^{\circ}$ Fahrenheit; about a hundred ynrds farther west there is another apring, the temperature of which is $180^{\circ}$ Fahrenheit, and there are everal wore in the nolghbonrhood. Abd-ol-Khadir, the Arab chief, no long confined In France by the policy of Louis Philippe, and at last reitored to liberty by tho emperor Napoleon III., retirad to Brasa on his depart ure from France iu 1852.
(Von llammor, U'mblick anf ciner Reise nach Briasa und dem Ofyopos: Hamilton, Researches in Aria Minor, \&c.)

BHESSELS (in Flemish Brussel, in Latin Brurelur, and in French Brurelles), the capital of the kingdom of Belginm and of the province of South Brabant, in sitnated $\ln 50^{\circ} 50^{\prime} \mathrm{N} .1 a t, 4^{\circ} 22^{\prime} \mathrm{K}, ~ l o n g .$, on the river Senne, a arnall feeder of the Dyle, at a distance of 76 milen in a minight line, 89 miles hy railway through Malines and Ghent F. hy S. from Ostend, 36 milea $S$. from Antwerp, and has a population of 124,461, or jnclading the aubarhs about 160,000 .

The Senme enters the city of Brussels hy two hrancles, one of Which perse by the old market-place, and the other crosses the gatien of the Chartreux. It forms four islands in the interior of the city, the two priscipal of which are called Snint Géry and Bon Sccour. The river is not anvigable in any part of its courae, but a hrowl navigable canal runs parallel to the Senne northward to Vilvorde, whence it is carried to Willehroeck on the Rupel. Another canal running southwand for a considerahle way also parallci to the Senme connocts Brawcle with tho Samhre above Charleroi. The city has railway communlcation with all the principal towns of Belgium, and with Frasace, Cermany, and the Dutch fronticr.

The greatent length of Brussels from north-north-cast to south-south-wot is about ono milc and a half, and ita greatest brcalth about a mile and a quarter. In form it renemhles a rectanglo counhined with a tringgle, the base of the rectangle subteuding the north-northcant, and the vertcx of the triangle, which is innch rounded, lying towarde the south + onth-weut. The town is partly built on the side of a hill, and when neen from the weat has the appearance of a fine amphitheatre, it in incloned hy a hrick wall, which hom eight gatos, bearing reapectivcly the names of the Antwerp, Schacrbeck, Isouvain, Nimur, Ila, Anderlecht, Flandern, and the Canal gatos. Theso gntos communicato with high roads, levding to different parts of the kingiom, which centre In Brumele an the capital, and outside tho gaten are eoveral hrge suburbe. Inaide the wall a wide boulovard planted with fino troes suns all round the town, and In above fire miles in length.

Trumela in cliviled Into an upper aad a lower town. Tho upper sown is on the eantern alde of the city; it is also the newest and most falliotable quarter an well an the healthlent owing to its more olevated aice. llorv are tha kinge palaco, the leglalative chambors, and publio offices in the live do In Lol, neparmed from the palace by tho park, in the northeatern anglo of which io a theatre. In the uppor town alno are all the principal hoteln and the reaidences of foreign ambasadors and minimern. The lemling features of the lower town are its mumerots well-tuift mtreetn, which contain inany fine old huildings formerly the remidencen of the Brahant nobility, now ocourical by marchante and trudeapeople. It bes splendid churobee and other public buildinge; mud ervernl handeome mqares surmunded by nohle buildingn, nome of them uarivalled pecimene of gothlo cirll architectura An evtlrely ncw quarter, callod the Quartier Leopold, ha recently rpruag up botween the Loavain and Jismur gaten to the enat of the upper cown. Thin quarter contains many modern mahaiona, and in beocuiog the fahionahlo part of tho town. Fronch in the prevalling
languago of Brassels, which is similar to Paris in znauy rospocts-in its operas, cafés, boteln, palaco garden reseunbling that of the Tuilerion, and boulorands Finglish is very gevorally spoken, Brasouls heving been for a long tine resortod to by Linglisli familio as a cheap place of residence. Homish also is commonly apolen.

Brussels contains above 300 streets, beaides numerous lanes and courta. Sereral of the streets arowide and airy; the houses are lofty aud well built, and great care is Laken to preservo their external cleanliness aul noatnoas. The square of tho great maket-phace (Las Graudo 1'lace), situnted in tho contre of the city, is a parallelogram, surroumled on all sides loy handsome buildings; the Iliteldo-Ville, or town-hall of Brussels, and the halls of many trading compauies occupy two of its sides. Of the other squares the principal are the liace lloyale in frout of the church of St. Jacques at the end of tho Rue Royalo; in the centre of this square is a fine bronze equestriac statue of Gorlfrey de Bouillon: the l’ace du Graud Sablon, at the end of which is the courthouse, or Palais do Justice, a large structuro formerly belonging to tho Jeni.h : tho Potit Sablon, on the south-anst vide of which is the Irison des Petits Carmes, built on tho site of the Hotel Cuylomhourg, the place of meeting of the confederatos in the reiga of Philip 1I.: the Place des Martyra, lu which is a statuo of Liberty, aupported by four kneeling Genii, erected over the tomb of the lhelgians shin iu the rerolution of September 1830: the l'lace do la Mounaje, on ono side of which is tho Mint, aud opposite it the theatre royal, a handsome structure. Among the ornaments of the town aro the public fountains, 20 in numher, crected in different parts, which supply tho inhabitants with water. One of these fountains, that iu the Placo du Grand Sahlon, consisting of a beautiful group in statuary marble, was erected in 1751 , under tho will of the Earl of Ayleabury, "as an acknowledgment of tho onjogments he had expericuced at Brussels during a resideuce of forty years,'

Brussels contains twelve largo churches, only a few of which aro very remarkable for their exterior; but tho interiors aro for the must part decorated with rich sculptures, wood carvings, aud paintings, The finest of these structures are the colleginte church of SainteQudule, which stands at a short distanco from the Rue Royale and the chamber of depution; the church of Notre Dame de Bon Secours; and the church of Notro Dame de la Chapclle, situated in the Rue Haute, and containing sonne fine oil paintings and frescoes, a pulpit representing Filijab under a canopy of tho palm-troe and comforted liy an angel, and the tombs of Braughel the painter and the Spinola family. Saiuto-Gudule is a handsome gothic structure, of which the choirand transepts were finished in 1273 , the mave in tho I \& th century, and tho squaro towers in 1518. Chapters of the ordor of the Golden Ficece were held in this churoh by Philip the Good in 1435 and by Charles V. in 1510 . The exterior was cleaned and restored in 18 13 . Tho interior of Sainte-Qudule is lightel throngh beautiful painted glass windows, of which the four that adorn the chapel of the Saint-Sacrement des Miracles are said to be unriralled. In the choir are monumental seculptures of some of the dukes of 13rabant, sad a fincly sculptured moument has been recently crected iu memory of the Late Canon Triste. Against the pillars of the nave are statues of the Twelve Apoatles hy Du Quesmoy. But perlaps tho greatest artistio wonder of the church is Verhruggon's carved pulpit, which represents Adain and Evo driven out of l'aradise by an angel, who is seen wielding the fiery sword on ono side of the globo while deatls appears with bis dart ou the other: the trecs of life and of knowledge and various animals aro beautifully represented. The pulpit, which is formed by the hollow of the globe, is surmonnted by a canopyo on which stands the Blessed Virgin and the infant Jesus, who crushos the serpent's head with the foot of the cross. This pulpit was exccuted for the Jesuits of Lourain ; on the suppresaion of the orlor it was presented to Sainte-Gudule by Maria Therem. The inarriago of tho Duke of Brabnat, crown priuce of Bolginm, with the archduchess Slario of Austria, was celebrated in the church of Sainte-Gudule Aingust 22, 1553. Thero are two Protestnnt chapels in Bruswela, one near the muscum, aud the other on the Bonlerand do l'Observatoire.
The Hotel-de-Ville, or towu-hall, the finest municipal palace in Belgium or elsowhere, whs bogun in 1401 and finished iu 1442 . The beautifnl tower of gothic open work is 364 feet high, and surnounted hy a gilded statne in copper of St. Michach, 17 foet high, Which serves an a weathercock. The interior was Ereatly injured during the frst French revolution, nad it contains little worth notice now excopt some tapestries repracnting the abdication of Charles V. in 1555 , which orent howover took place in tho old ducnl palace that stood on the site of the Mace Royale nad was burnt down in 1733 . In the marketplace lu front of the town-hall the Counts ligmont and Horn were beheaded iu 158S.

The Hotel-de-IRellovue, which stands between tho Place Royale and the park, was occupied by the Belgians during the revolntion of 1830 , and wan riddled with shot At the opponito angle of the Place Rogale stand tho ntables of the Prince of Urange, aud a little farther along, towards the llue de la Madclcine, is the Palace of the Fine Arts, Thls building was formorly the palace of tho duken of Irabant, and subsequeatly of tho Spanish and Austrian gorernors of the Nether. Innds It is now converted into a anusaum, containing a picture gallery, in which are several paintings by Rubens and other great Fleminh painters; the public lihrary, in which are 200,000 volumes
of printed books and above 18,000 manuseripts ; and natural history collections very rieh in zoological and mineralogieal specimens. Public lectures are delivered in the building to the public gratuitously by professors appointed by the government ; aud in a part of it an exhibition of Belgian producta and mauufactures takes place every four years.
The most admired quarter of Brussels is that which immediately surrounds tho Park. Tbe Park is a large inclosure in the npper town containing an area of about seventeen acres, which is laid out in plots of greensward separated by shady walks uuder earefully-trimmed trees, and ornameuted with statues. It was occupied by the Duteh troops at the revolution of 1830. On the south side of the Park are the king's palace and gardens. On the east side of it, in the Rue Ducale, are the palace and grounds presented by the city of Brussels to the late King of Holland when Prince of Orange, and tbe residences of the foreign ambassadors at the court of Brussels. On the north side of the Park is the Rne de la Loi, containing the government offices and the Palais de la Nation, or legislative ebamber, whieh was built by Maria Tberess for the Council of Brabant, and resembles tbe Frenel Chamber of Deputies betore 1848. On the west sido of the Park is the Rue Royale, a fine wide street, which extends nearly a mile from the Place Rojale to tbe Schaerbeek Gate and the botanie garden. Near this gate, in the Rue de lagule, is the house in whieh tho Duelless of Rielimond gave the grand ball to the Duke of Wellington and his officers on the cve of the battle of Waterloo, June 15 th, 1815.

Of the gates of the city, the only one renaining of those that formed part of tbe fortifications erected in 1381 is the Porte de Hal-a large gothie strueture formerly used as a prisou, now as a museum for old armour and otber antiquities. Of the other buildings in Brussels we can only mention the Palais d'Aremberg in the Place du Petit Sablon, famous for its choice paintings, its objects of vertu, and its gardeus; the uriversity buildiag in tbo Ruo des Sals, whieh was originally Cardinal Grandvella's palace; tho astronomical and magnetic observatory in the angle between tbo Lourain and Sehaerbcck gates; the railway terminus for the northern lines at the ond of the Longuo Rue Neuve; the termuus of the sonthern lines near the chnrch of Notre Dame de Bon Sccoura; tho Broodhuis, a fine old gothie structure in the Grande Place, whlch was built in 1525 , and onee was the town-hall of Brusels; the Grand Béguiuage, where above a thousand fernales, young and old, live in religious societies, observing eertain rules, but not inclosed as nuns arc-each society oecupies a separate house, and is goveruerl by a matron; and the Abattoir, which is built outside the walls between the Petit Senne and the Cbarloroi Camnl.
The eity supports several large hospitals and charitable institutions. One of these, tho Hopital do St.-Pierre, near the Hal Gate in the south of tbu town, was originally founded for the reception of Crusalers returning wounded from the Holy Land. Attached to it are very spacious and well-kept gardens and commodious baths. Of the other hospitals the prineipal aro-the Grand Ilospiee, between the Béguinage and tbe docks, in the uorth-west of tbo city; tho IIopital de St.Jean, near the Rue de la Madeleine; the Maternits, to the south of the churel of Notre Dame de Bon Seeours; the IIospice de Pacheeo, near the botauic garden; tho military hospital, in the Rue des Minimes; and the asylums for orphans, the blind, and deaf-mutes. Most of these hospitals are well ondowed, and the siek in them are tended by Sisters of Charity or nurss of other orders.

Brussels has several barracks, one or two priaons, a military magazine, a concert-hall in the Park, and numerous hotels, cafés, aud baths. The city is well supplied with water, and ligbted at uight witb gas. Tho best shopsare in the Ruo Montagne de la Cour, in the Kuo de la Madeleine, and in the Galleric St.-Hubert, an extrenely handsome street, glazed overhead. Besides the boulevards and tho botanie garden there is a noble promenade along the brond canal that leads to Malines, formed by a triple avenue shaded by magnificent limetreen, whieh were spared by Marshal Saze in the siege of 1746 at the entreaty of the ladies of Irrussels. The farourite excursions in the environs are to tbe royal palace of Laeken, which is about nine miles to tho north of Brussels, and commands fine views of the city and neishbourhood; and to the battle-field of Waterloo.

In the year 1781 an order was given by tbe emperor Joseph II. prohibiting burials within the city, and diroeting the formation of burial-grounds outside the walls. Three eemeteries were accordingly established-one near the IIal Gate, snotber uear tbe Flanders Gite, and tbe third, which is the largeat, near the Louvain Gato. In additiou to these the Engligh inlabltants of Brussels have established two eemeteries-one on the road leading to the village of Vcele, and the other on the Louvain road.
Among its numerous educational cstablishments Eruasels numbers a free univeraity founled in 1834, a primary normal sehool, a polytechnic achool, an academy of the fino arts, a royal neademy of music, and neverai industrial achools. Tho publie library beforo mentioned was formed by tho union of the Burgundian library with tho Royal library; it is open every week-day: the reading-room is everytbing that eau be deaired by the student. Among the private libraries must ho mentioned the library of the Bollandists ; and tho great geograph. ien! establisbment of Vandorneilen, near tho Petit Senne, outside the Flauders Cate. It was established in 1830; it contains 20,000
volumes, a large collection of maps, in connection with a sehool of geography and a museum of natural history. One English newspaper and several journals in French aud Flemish are published in Brussels.

Brussels, besides being one of the best-built eities in Europe, is considered a rery pleasant place of residence. It is also healthy, although the elimate is subject to considerable variations. Tbe mean temperature, as ascertained by observation at the Royal Observatory for a completo year, was $52^{\circ}$ Fahr. Tbe greatest heat oceurred in June, whon the thermometer stood at $76 \frac{1}{2}^{\circ}$ Fahr. ; the greatest cold in January was $37.8^{\circ}$ Fahr. Tbe number of days on whieh it rained Nas 180 ; there oceurred 39 days of frost and 25 days of fog; it hailed on 5 days and snowed ou 11 days, and there were 7 thunderstorms during the year; 3 of these oceurred in June and the same number in July. The prevailing winds were from the west and south-west, and oceupied 182 days. From tbe east, uorth-east, and south-east, it blew 104 days; from the north 30 days; from the south 25 days; and from the north-west 24 days.

Brussels is the seat of the Cour de Cassation, or supreme eourt of justiee for Belgium, of a high court of appeal, of a court of exeliequer (des comptes), and of a military court. The assizes for the province of South Brabant are held in the eity four times in each year. Brusscls is also the head-quarters of the fourth Military Division of the Belgian army. Ambassadors, ministers, o1 consuls from almost all the goveruments in the world resido in Brussels.

Brussels is one of the great centres of Belgian industry. It has several banks of issue and cleposit, a national mint, saviugs bank, \&c. It is partieularly celebrated for the manufacture of lace, eousidered the finest in the world. The flax from which it is made is grown in the neighbourhood of Hal, tbe finest sorts bringing from 300 to 400 franes a pound; and the finest kind of laee costs 150 franes an ell ( $\$$ of a jard), but good and inferior sorts may be bought at 50 franes and 10 francs tbe oll respectively. Many other manufaetures are also prosecuted, amoug which are those of cambric, fine linen, damask, silk and cottou ribbons, machinery, cabinet-work, jewellery, mathematical and musical instrumeuts, hats, stoekings, ealicoes, gold and silver laee, paper and paper-hangings, porcelain, hardware, and various chemical preparations used in the arts. Brussels has also many coach factories, soaperies, su gar-refineries, breweries, distilleries, and extensive printing and lithographic establishmeuts. Tbe commerce of the eity is faeilitated by a canal which conneets it with the Sehelde, and admits vessels of 300 tons ; by good high roads and railroads which radiate from the city in all direetions. Electro-telegraphic wires conneet Brussels with Paris, Amsterdam, London, Berlin, and Vieuna.
Tbe population of the eity was 84,004 iu 1825 , and 98,279 in 1830. The revolution in the latter year caused mauy mercantile ineu and persons attached to the former goverument to remove their establishments from Brussels to the Duteh provinces, so that the population of the city was temporarily diminished. Other eauses bave sineo brought a considerable influx of iuhabitnnts; so that in 1835, wheu a ceusus was taken, tbo numbers were found to be augmented to 102,702, and the populatiou has sinee eontinued to inerease: in 1849 tbere were 124,461 persons residing within the walls. The 'Almanac de Gotha' of 1854 gives the population of Brussels at 210,400 ; but this probably ineludes the suburbs and all the outlying dependencies of tbe eity.

The origin of Brussels reaches back to the 7th century. The first buildings were erected in the Island of St. Géry, so named after St. Géry, bisbop of Cambray, who built a ehapel ou the spot. Int the 10th ceutury Otho II. inhabited a eastlo in the island of St.-Gery. The city was iuclosed with walls iu 1044 by Lambert Baldrie, eount of Louvain; but tbe walls were removed and the eity cularged iu 1369. Two dreadful fires oceurred In 1326 and 1405 ; on the first occasion 2400 houses, and on the seeond 1400 houses were destroyed. The prosperity of Brussels was greatly iuereased in the 12th eentury by tbe establishment of tbe manufactures of eloth and fire-arms.

The city was taken by the English in 1213. In 1314, in consequence of long-contiuued rains, a contagious disorder carried off so many of the citizens that sixty were buried in the same grave. Iu 1370 the Jews were banished from the eity and province, and their property was confiscated.
Brussels was taken by surprise in 1488 by Philip of Cleves. On regaining possession the Emperor Maximilian, suspeeting the inhabitants of having been in league with Philip, deprived the city of various privileges, which were bestowed upon Malines. In 1489 aud 1578 Brussels was ravaged by the plague. The tyranny of the Duke of Alba oecasioned about 10,000 artisans to leavo Brussels in 1567, many of whom settled in England.
In 1095 tbis city was bombarded by Marshal Villerol, who demolished upwards of 4000 buildings. In 1708 it was again besieged by the Eleetor of IBavarin, but was relieved by the army under tbe Duke of Marlborough. In 1746 Brussels was taken by Marshal Snxe, but it was restored to Austria at the peace of $\Lambda$ ix-la-Chapelle. Tho Austrian Netherlands having been conquered by the lireneh in the early part of the war of the French revolution, Brussels wan deelared by the directary to bo the ehief place in the departmont of the Dyle. On the 1st of February, 1814, the Prussinn army took possession of this city, which under the provislons of the treaty of the bame year
beone ene of the capilals of the nowlr-formel kincrlom of the Sotherbende On the eparation of Ikelgiun from Ilutsnt at the repolainot of 1530 , the movementa lea liag to which began la Bruseoln, this eify beome the eapital of the new Kinglom and the seat of formonent. Brumela has been recentiy dintinguinhed for the intereab takea by hes inhabitauts in questions of hlgh ancial and scientific intenct Ilers the first Fewoe Congreen was hold $\ln 1818$, and a gemeral Furopma Statiotical Congress hell a mensiou in 1553 .

IIIUTOS, Somernet, a marketlown in the parinh and hundrod of Jruton, is aituated on the right lank of the river Brue, which gires name to the cown, in $31^{\circ} 0^{\prime} \mathrm{N}$. lat. $2^{\circ} 96^{\prime} \mathrm{W}$. long. ; diatant 22 miles S. by W. from Rash, ent 109 miles W. by S. from London. Tho popmatation of the cown in 1851 was 1835 ; that of tho entire parish whe :109. The liring in a perpetnal curacy in the arcludeaconry of Wells and diocese of liath and Wella

The zannor of Itruton, or Irmmotone, w it in named in the Domesday Survey, wae promenal uy Edwand the Confeasor and aubseqnently by Willian the Conquenor. A Benerlictine monastery was founded here at an early dato; Anerwanle priory of Black Canons was etabliabed. At bruton the river Brue, hero a narrow stream, is cromed by a mtone bridge. The town lime one inain atreet clean, and well parod, with neatly built houses: and seremal emalleratrecta. The corn is lighted with gas Bruton parixh clanrel, which stands on the len bank of the river, Is a handsome atructure in the decorated style, with a cower which has richly ormameuted battlements. The Indemendenta and Wiealegan Methotista have places of worship in the town. The endowed F'ree Grammar school founded by Edward VI. alvearen 11 boys on the foundation; other pupils also attend tho school. The lincome from endowment is about $300 l$. a year, from which everal cxlibitions are given to meritorious scholars. The number of acholars in $1 \$ 52$ was 40 . There is a National school. An hospital for 14 old men, It old women, and 16 boys, founded by Ilugh Saxey or Saxey, auditor to Queen Flizabeth, is a very valnable isastation. Tho bnildings form a spacious quadrangle. A statne of the founder in placed in a uiche on the south side. The petty sessions are beld In the mpper part of the town-hall; the lower part is used as a market-house. The market day is Saturday. Two fairs aro held yearly. The principal manufactures are of stockings and silk. A wilk factory employa a considerable number of fernales.

IRZPSEELIVFINSKI. [Grodso.]
MBZFFASIS. [Galicia]
UC'CII, a distric! of the Bordelois, in France, extending along the cont of the Bay of Biscay. Its capital was La Terte, or Toto de Buch, at the head of the Basin d'Arcachon. This district is now inclesled in the degartment of Gironde. Its loris bore the titie of Caphal, and their lonlahip gave to them several rights and privileges in the clty of IZonleaux.
BUCHAS, IBULLFIRS OF. [PETERHEAD.]
BUCHAN', DISTRICT OF. [Aberdeessmre]
iblicilairla [Bowhara.]
BUCIIA'RIA, LITTLİ, or Fiwstern Tur'iskan, is a namo nomotimes employed to indicats the most western portion of the countries depondens on tho Chinese empire Is is described under Tmasi. Suax- Xaxlu, ite Chincue name.

IICCCIIORF'ST, or BUKAIBFSIIT, the capital of Walachia, is ritented fn the esntern part of that principality, in a rich andspacious plain, direnifed by hilla, and on the Dumbovitza, a feeder of the Argiah and about 40 miles S.W. from its month, in the Danube below Oltenitan In extent it is mhout four miles from morth to mouth, and nearly liree miles from cast to went. It in ondinarily the residence of tho prince and divan or council of Wallachia, the net of government, at well an of a Greek archbinhop, and the headquartern of the forelgn envoys or conmuln; but at the time we write (Jaruary, 1851) the city and the whole principmity is in the occupaLion of a Itamian ermy, anll tho princo lin withdrown from his Larritariea Independently of ita agrecable nituation, Juchorest has no claim to ita rlesignation, which means 'city of cnjoyment; for it Is with fow exoepition, a heap of wretchel brick or mud cabine, runged along lines of atrecte either nupared or faced with truaks of cokn is in comprood of tho princeim palace, a vavt pile, and of $6 i$ quartern: these quarten being the neparate property of the Boyars, ma whow land cologien of their followem have gralually eccumulated The lrogarn residencen are ryacioun, and bullt of stone. The handmoment baiblisg, bext to the priaco ${ }^{\circ}$ palace, In the edjaceut metropoliean sburch: both of them mituatod on the largent muaro and in the ountro of the towti. There are nearly 100 churches, many of which are labit In an unconth intsle, nome lave fewer than thice stocplen or towern, and many no lem than oiz ; mome have even nlne. Seven of them, $a$ well m lhe twentynix motanterion and conventa, are prolected by walla. The other edifices of note are a large bmanar, a ILaman Calvolio asd I Iestheran church, syoagogue, saveral horpitals aod lnfirmarion, and the conmular rowidencon, prartioularly thas of the Anerion convul, whieh in a handsomen atructuro and built in gooml certe. In tho middle of Buchorent there is a lower, calied the Fire Tower, 60 foet high, whleh command a fult vew of every jart of is Ibucharent has a college eomplucted by twelve profenmore, mil atkended In orrlinary timen by intween 400 and 600 stulentr, sevecum, a grablic librarg, and a great bupber of echook The
whole number of dwellings is about 10,000 . The town is full of coffor-honaes, aluses every one of which has a gambling or bithanl table, and of shops where sherbet atud wine are drunk. Bnchorest in the great commercinl mart for tho principality, and an entrepos for the connmerce between Austria and Turkoy. Its inhabitants carry on an extensire trade in graiu, wool, heney, balt, timber, wax, tallow and cattle. There are $n o$ largo uanufactures; but woollen clotios, carpets, brandy, \&c, are mads. Thers is a Corso, or publio sunli, to which the fashiouables resort in creat numbers, in the main strect and along the bridge which crosses tho Dumbovitza. Buchorest was taken hy the Inssians in 1769, and by the Austrians in 1789. By the treaty of Buciorest signed May 28, 1812, Turkey coded Deasarabia and part of Moldaria to Iussia. $14^{\circ} 26^{\prime} \mathrm{N}$. lato, $20^{\circ} 8^{\prime} \mathrm{J}$. long.

BUCKENIIAM, NEW. [NORFoLk.]
BUCKHAVEN. [FH:SHRE]
BUCK1E. [Basrrsume.]
BUCKINGIAAM, the chief town of the county of Buckingham, a muuicipal and parliamentary borough and market-town, and the seat of a I'oor-Law Union, in the parish aud hundred of Inekingham, is situated on the left bunk of the river Ouse, in $52^{\circ} 0^{\circ} \mathrm{S}$. latn, $0^{\circ} 59^{\circ} \mathrm{W}$. long.; 59 miles N.W. from Londou by road, aud 01 miles by the Buckiughamshire branch of the Londou and North-Western railwar. The borough of luckingham is governed by $f$ aldermen and 12 conncillora, one of whom is mayor, and returns two members to tho Imperial Parliament. The population of tho municipal borough, which coincides in extent with the parish, was 4020 in 1851; that of the parliancutary borough, which comprises cight parishes, was 3069. The living is a vicarsge in the archdeaconry of luckingham and diocese of Oxford. Buckingham Poor-Law Union contaius 23 parishes and townships, with an aren of 44,770 acres, and a popnlatiou is 1851 of 14,395 .
Buckingham is describod in the Domeaday Survey as an auciont borough. It does not appear, howerer, that the town sent members to Parliament before 1544. Edward III. fixed one of the staples for wool at Buckiughan. A charter was granted in the first year of the reign of Mary ( 1554 ), which was surreudered in 1684, when another was granted, but the charter of Mary was reaumed a few years later under the proclamation for restoring surreadered charters. In 164t, Buckingham was for a few days the head-quarters of Charles I.; the neighbouring towns of Ayleabury aud Nicwport Paguell being garisoned for the Parliament
The church, dedicated to St. Peter and St. Paul, is erected on tho suumait of a mount, formerly the site of a castlc. The erection was completed in 1780 at au expruse of aboul 7000 . The former church lad a lofty spire, which fell iu 1699: the tower which supportod it remained till 1770 , wheu it slso foll. Thero are two nlaces of worship for Indopendents, and one for Baptists in tho town. The Free school, ondowed by Gabriel Sewton for 25 boys, who were clothod in green, ir now incorporated with the National school. A Grammar bchool whe fomnded by EIIrard VI. for six boys. The income from endowment is 10l. 8s. a year: the namber of scholars in 1850 whs about 30 .

The presont townihnll was erected about tho end of the last century by the first Marquis of Buckingham. The jaif was built ly Lord Cobham about 17.58 , at his own expense, for the uss of the town aul conuty. The town in lighted with gas There are in the town a public bath, a mechanics institute, and a savings bank. No trade of auy consequence is carricd on. Lace-making with bobbins is the only manufacture, and at this work the best lands earu a rery small sum weekly. The market day ls Saturlay. There are ten annual fairs wlinch are well attended. A couuty court is held In the town.

There were three stone bridges over the Onse at Buckingham. One of the bridges was Laken down by the Buckinghamalaire lanilway Company, who replaced it by a brick bridgo of threo arches. Tho lsuckinghamshire railway passer throngh the sonthern end of the town Some good publio walks are in the neighbourhood of Buckiughan.
(Browue Willis, IIistory of Buckingham; Lipscomh, Buckingham shire: Communication from fluchingham.)

BUCKINGHAMSIIIRE, an lnlaud county of Lingland, of very irrogular form, lies between $51^{\circ} 20^{\prime}$ and $52^{\circ} 12^{\prime}$ N. lat., $0^{\circ} 23^{\prime}$ and $1^{\circ} 10^{\prime} \mathrm{W}$. long. It is bounded N, and N. W. by Northamptonshire; W. by Oxfordhhire; S. by Berkshire; and İ. by IBelfotdalire, Hert fordahire, and Middlesex. Its grentest longth, mensured nearly north and south, from the nelghbonriood of Olucy to the river Thames above Staines in 53 miles. Its bremith varies much; the greatest breadth is about 27 miles. The ares of the county is 464,930 acres; it la one of the smaller English counties, being the thirty-third in the scalo of relative magnitnde.

Ayleabury, which, though it does not give name to the county, has the beat title to be considered the county town, is about 37 miles in a direct line N. WY. from London; or hy the rond 38 miles.

Surface, Hydroyraphy, and Communications.-The principal hills in Ilucks are the Chilteran, a chalk range, which entering the county from Oxfordabiro mun acrose it in a north-east diroction, and enters Bedfordnhiro near Dunstable, separating tive basin of tho lower Thames from the bain of its tribitary tho Thame, and from the hasin of the Onse. Nienr Iringhoo the elcvation of these hilin is D0f feet ahove the lovel of tho meas ; and aunther eminence south-west of Wenlover is 905 feet; Muzzle IIill, wẹar Brili, is 744 feet, and Bow lbricklill, between

Fenny Stratford and Woburn, 683 feet. Under the northern slopes In that part of the county, south Aylesbury, watered by the Thame deal of woodland, county, south east of the Chilterns, there is a good deal of woodland, though it has much diminished within the last 100 years. Beech is the prevailing timber in the south part of the county. northern part of the county. The whole of thact of high land in the aaid to have heen a forest: Chilterns and the south-east part of the county were once so covere with woods, chiefly of beech, as to he almost impassable, till an abbot of St. Albans had several of them cut down hecause they afforded harbour to thieves.
The chief rivers of Buckinghamshire are-the Thames, which akirts short distance from Surwest, separating it from Berkshire, and for a from Middlesex until its junction with the which Beparates Berkshire Thame, also a feeder of the Thames; the Ouse, and its tributary the Ousel. The Thames becomes the boundary of the county a little below Ifenley, and has a winding course first to the east and then to the Eton, to its junction Marlow, Taplow (opposite Maidcnhead), and part of its course. The Wick, which passes High Wrcombe joins this Thames below Marlow. The Colne becomes the boundary joins the county \& few miles below Rickmansworth, and continues, by one or nther of its arms, to be the boundary until it meets the Thanes Its general course is south; it passes Uxbridge in Middlesex, and Colnbrook, and receives a considerable stream, the Mishhourn, from Amersham. It is zot narigable; hut works several mills. It produces trout and other fish. The Thame is formed by the junction of several mall streams; the principal, to which the name of Thame is assigned Ayles near the village of Stewkley, betwcen Fenny Stratford and illage of Quarrendon with another west direction, unites near the (Herts), and flows partly througher stream which rises near Tring Buckinghamshire, and for a part of its course forms the boundary of the two counties. The united stream flows to the south-west until it Thames the border of Oxfordshire, near the town of Thamc. Near Thame the navigation commences, After separating Bucks from Oxon till its junction with therdshire, through which it flows the Thame in that part of its eos at Dorchester. The whole length of is about 25 miles. This river abounds with cels, and produrnshire perch, chuh, roach, and gudgeon. The fength of the produces pike, Extent of surface which it drains, give it a high place among the connected with Buckinghamshire. upper part of its course that it is county at Turweston near Brack. It touches the boundary of the county the Ouse rises) and frackley (Northamptonshire, in which Northamptonshire and then from Oxfordghire a few miles, first from flowing east and then north-enst through the county the horder, nad Buckingham again becomes a horder stream, and separates Northampton from Buckinghamshire. Again quitting the border it flows to We north-east, past Newport Pagnell (where it receives the Ousel) from Bedfordshire for and Olney. After dividing Buckinghamshire few miles below Olney. Its course within fhally quits the county a being in all about 43 miles, although the direct distanco frey winding, wherc it first touches to the point where it finally leaves the county is only 23 miles. The Ousel is formed by the junction of several small continuation which rise on the north slope of the Chilterns or their Buckinghamshire Dunstahle Downs, and unite on the horder of dividing for several miles thrdshire, above Leighton Buzzard. After flows through Buckinghamshire counties it quits the border, and falls into the Ouse. Its whole length may be estimated at from 25 miles to 30 milea. It is remarkable for fine perch, pike, and bream 25
Buckinghamshire is tolerably well furnialied with canals. The from Junction Canal enters tho county from Hertfordshire not far from Ivinghoe, and runs north to Newport Pagnell, following the till it enters Nurtham thence it follows the valley of the Ouse several cuts from thamptonshire near Stony Stratford. There are Buckingham, another canal in Buckinghamshire; one to the town of a shorter cut to Stony Stratford. Several impord to Aylesbury, besides county. The parliamentary and mail road thportant ronds cross the head, before the construction of the railwars the Chester to Holycommunication betwecn the metropolin and Irelend main channel of part in a north-west direction, between IIocklifo and Stony Stratford another road to Chester, nearly parallel to this, and more to the north, passes through Newport Pagnell. In the south part of the county and the great wesd road through Beaconsfield and High Wycombe; and Maidenhead. Ther Bath and Bristol road between Colnbrook hury, Winslow, and Buckingha a road to Birmingham through A ylesthe county near Marsworthgham. The North. Weatern railway enters through the enstern part of the county from Aylesbury, and passes direction. A brancli from of the county in a nearly north.western the main line at Cheddingtou. Aylesbury, about $4 \frac{1}{8}$ miles long, quits GEOG. DIV. VOL. II.
at Bletchley and passes through the north-western part of the count to Winsiow and Buckingham, and thence to Banbury in Oxfordshire. It is connected by various branches with the Great Western railway at Oxford, with Winslow and with Rugby. Acts for the several hamshire Railozained hy a distinct company, entitled the Bucking hamshire Railway Company; hut the works have beeu leased in Werpetuity to the London and North-Western Company. The Great entering it a few miles north of colne sonthern extremity of the county head. A short mrones north of Colnhrook, and quitting it at MaidenSlough. The Windsor and Staines branch of the Western line at railway also passes along the southern extremity of the county for a few miles; entering it near Staines, and quitting it just ahore
Datchet.
Geological Character.-The general direction of the out-crops of the different geological formations which cross this county is north-east and south-west; and the formations prasent themselves successively county, inserver as he travels north-west. The south-east part of the the plasticluded between the Thames and the Colne, is occupied hy portiou of the which skirts the London clay. Only a very small neighhourhood of Staines clay is found iu Buckinghamshire, in the rises from beneath it, The chalk underlies the plastic clay, and rises from beneath it, forming the range of the Chiltern hills. The beneath it, aud is in tum suy found skirting the chalk, rises from clay. Sandstonc, in turn succeeded by what is termod Tctsworth this clay, and is more or less ferruginous, crops out from beneath name of Aylesbury stone. The chalk marl and is knowu by the form the soil of the fertile Vale chalk marl and the Tetsworth clay into a ridge hounding that vale on Aylesbury : the sorndstone rises oolitic series of formations succeeds those which we horth-west. The noticed, and occupies the north-west part of the county. Only twy however of the principal formations of this series appear in Bucking hamshire. The Oxford or clunch clay rises from under the Ayles. bury limestone, and extends to the towu of Buckiugham aud to the north-west of Stony Stratford and Newport Pagnell. To this formation succeeds that containing the cornbrash, forest marble, great oolite,
and other strata
dinar strata.
Climate, Soil, Agriculture.-The climate of Buckinghamshire is mild and healthy. The chalk-hills, which traverse it through its whole bleak, and the general temperature is fare neither very high nor most of the crops usul temperature is favourable to the ripening of are a portion of the Chiltern range, divide the couuty into two distinet parts, varying in soil and fertility. To the west lies the fertile Vale of Aylesbury, whicll contains sozne of the richest pasture in Jingland, and is a part of the valley of the Thame. Towards the north of this rich tract are some inferior soils; and still farther north are some very poor wet clays and gravels. Towards Bedfordshire there aro some light sauds partaking of the unture of the sandy belt which crosses that county. On the south east of the county the surface is more varied, thero heing several depreasions or valleys ou the eastern slope of the chalk, in which some good loams occur. The mixture of with the help of forms a soil well suited to whent and heans, and abundant crope. In therate manuring and good tillage produces well-cultivated. In the valley of the Thames are some very good and which are occasionally flower lands aloug the Thames and Colne, valuable. The whole of this are iu permauent meadows aud very the blue clay whole of this plain consists of a good loam lying on many play, called the London clay; hut with the interposition in ness of the soil stratum of gravel, which adds much to the soundThe arable land in this part of the natural drain for the waters. About half of the land in the carefully cultivated. the other half under the plough. A great meadows and pastures, and fields have been inclosed of late years an many commons and common havo been been good quality, the farms are not in general very 500 acres, and many do not exceed 20 oral very large; few are ahovo he taken at about 200 not exceed 20 or 30 acres; the average may most farms are lct from year to year. 7 and 14 years prevail, but removed, provided they pay their rent and cue teuants are seldom proper manner.
Cattle, de.-It is supposed that Buckinghamshire fecds about 20,000 The cows , each giving on an average 200 lbs. of butter annually large Hereford chiefty shorthorns, Glnmorgan, and home-bred. The good. The greater speed and general usefulness of the land is very him to he preferred for the plough in spite of the pretended economes in the use of oxen. Hay is the chief food of the cattle in winter, but whings and straw are often substituted uotwithstanding the bad tasto which turnips impart to the hutter. No great quautity of cheese is mado in this county, except of few cream cheeses iu the neighbourhood of the principal towns. The hutter is chiefly sent to Londou made 11 p in the form of ohlong rolls weighing 2 lbs. each. It is seut in haskets, called from their shape 'flats,' which hold from 20 to 40 rolls. Their depth is uniformly 11 inches. In the dairy farms the calves are usubilly sold when three or four days old to dealcre, who sell
then agaia to thow farmers why boing vitblas a movionsto divtance from lawlos or any ornatilesable town, find It uore proficable to inshan culros by mackling them thas to make bnttor. Many ewes are The in thit county for the aake of merly lamhe for the lomion market.
 the sonth Jhowa breal in in gresier request. The Gloucesterslitro moul laventer and bread cromal betwoen them have come into farour aines lnag wool has horme a better price in proportion to the grantity thas the aborter and fiaer.
The hope unal for the plough and comm ano generally largo and bleck: eome of them are brol. In the county, hut mont of them are bruaght whea youss by declers from Nortbanptonshiro and Linoolsabire. The largent mod fanet aro frequently rewold at aix years old to Lontom dicters for dmy horee it a contilermble profic 11 ogm are an imporiant appendage to a dalry farm. The favourite breed is the lierbabire, sometimen croseal with fovelgn hreoda, as the Chineso or Siopolitan, of with the Feseex or Suffolt breeda. The Neapolltan erues lacrveres tho mplitude to fartern, hut renders the hog more delicate and munceplible of cold. The Chinese croen gives rery delicato coell portore masl avokling pign Ther in a peculiar trade in this county, which is the roariag mal fattening of ducks enrly in the season for tha Loxion oplouron. Tho egsm ano hatched under hens, and the ducklings aro roared in the house with great caro.
fiviovome, Forse, dre- IVhen the Domenday Snrrey was made this county whe dividel into eightean hundreds. They nre uow reduced to eistrt; one of thom however still retaining the title of "the Three lluminmle of Aylesbury.' The modern hundreda are: Newport on the wortheart and Buckingham on the north-west of the county; Auhenion, Cottesloe, and Aylesbury in the centre; Burnhain on the south-ent ; and Sinke and Dosborough on she south aud south-west. Dethorough, Stoke, ami Burubam are the thrce "Chiltern Hundreds," the stewanthip of which is a well known nominal office bestowed upon an meruber of Parlinment who wishen to vacato his seat. Thero aro abous dvo parishee iu the county.

Buckinghmasire has no city. The market-towns are fourteen, Arlmweim, as being the nsize tom, the place where the quarter mononaro arreya held, and the principal placo of county election, may now bo regariled sa the county tomu. Bockivomay, ou the Ouse, is the north-went part of tho countr, was formerly considered the county town. The other market-towns aro-Graar Marlow, on the Thames; Hloas IF rcomas, or Chipping Wycombe, on a small stream Bowing into the Tharnes ; Niewport l'agsele, at the junction of the Oand with the Ouso: Axemseray, on tho mod from Londou to Aylesbury; Olswr, on the Ouse: Cheshay, to the right of the Aylesbury road, noe far froin Ameraham; Priscr's Isisborocor, to the left of the Aylebury roml, not far from Weadover; Wendover, on the roal from loudon to Aylesbury, beyond Amershan; Beaconspield, befween Cixbridge and Wyoombe; Sroxy SpratFond, on the Ouse; Wismeow, betreen Aylesbury nad Buckingham ; and Iymanoe, betweca inantablo and Wondover. Theeo will be fonnd described under thelr rompoctive heulh. Wo shall subjoin a few particulars of Fenny Strutfoni and Colnbrouk, which formerly had markets (now diresed), and tro conseguently sometimes reckoned anong the sourkectown ; and of a fCw other places which have some claims to noticen

Friny Sinafford, on an emineace on the great Molyhead road, 14 mife \$. by from Asleabury: population of the township 1142 in 1831. The ehspel, dedicated to St. Martin, was robuilt in 1724-30, chiedy through the oxertions of the antiquary Browne Willin, who is buriel within the rails of the communion-table. There are chapels for ISptient and Woaleyan Mothodinte, and a Nationnl school. There are four falm-April 19th, July 18th, October 10 th or 11th, mand siorember 29th. Fenny Stratforl is on the Watling Stroet. There is the bridge over tbe Oumel, which flow hy the town. Fenny Htelfonl gete ifn mane from the nature of the murrounding country. The Magiovinium of Antomimes was at or near Fenny Strstiond.

Cesubroot Is on tho bigh wentern roml, 31 miles froin the Slough aletion of the Gruat Wentern milwas: the population of the chapolry of Colmbroot In 1941 Tan 1030 ; In tho Crmsus returns of 1851 the popubathon is roturned with that of the throe pariaber in which it is situnted. Tho thers cometh of one long nirect of neat renpectable-looking hounen. The Colse dow bere In four clannolh, earl of which in eromed by a brblue An aocieut chantry chapel at Colnlmook, which continuol to by weol aner the Ifeformatiom, wan endowed by private benefaction in -1692 A lhaptes meetingboume, a Fireo echool, and a Britiah achool are in the town There ane two fairs on tha 6 th of A pril and Snd of May. The sowa whe facorpmatel la 1513 by the atyle of the bailif aed inunse of Colntronk

Alvat ewrestee pleow is tho county bad charters for marketh which hare luew lome oro dinumert The following are the ouly rill what eppear to call for dlawcriptlon:-
 trary the propulation of the parinh of Illerton-with.I3roughton wn: 6S9 to Is II. The churob, which th of the eleconterl and perpendi. ealar mylea ben beon ropairorI, asi open oak eenth have been submtituted lor the whll Inwh. The Theptiatn aud Blothorlinta have pincea of workig, end there in a Nacional schooh. The Ayleobury sailwhy pasees
through the parials. D'ecehley, about 15 milea N. from Ayleahury Iopulation of the township 433 in 1551 . The olurch is n rather ouperior exauple of a villago church ; it is chiotly of tho perpendioular strle, but mone amall portion aro ilecomtor. In the interior is a spleadid comh to Lowl Grey de Wilton ; thero aro also somo ineised hrameas. Borsald or Boarstall, about if milew Wr. from Ayleshury, population of the parish 243 in 1851 , is ohiefly notoworthy for ita catle, originally crected in the rcign of Fidward II. Borstall House endured threo or four attacks during the conteat between Charles I. and the Parlianent. Only the ombattled gatehouse now remains. It Ia a good example of that portion of the carly castellatorl mansion: a bay window and some other insertions are of the Elizahothan age. Bricihill, Great, 15 miles N.E. from Aylosbury, population of the parish is0 in 1851, is a good-sized straggling village, with a church chiefly of tho perpendicular style, a large laptint chapel, aud almshouses for 22 persons, together with soveral parochial charities. Brill, population of the parish 1311 in 1851, stands on an ciniuence on the bondor of Oxfordshire, about 10 miles W. from Ayleshury. It is said that the Saxon kings had here a malace, whicls was a favourite residence of King Edwarl the Confossor. King Henry 11. kept his court here in 1160, attended by Thomas is Becket as him chnuecllor; ho was here again with his court in 1162. Henry 111. kept his court at l3rill in 1224. (Lysous's 'Magaa Britannia.') In the war between Charles 1. and his Parliamont Brill was garrimoned hy the Royal party. The church is ancient; some portious are oarly kinglish. The Wesloyaus Methodists and Indcpendents have places of worship. Near Brill is 8 mineral spring. Burnkam, population of the parish 2301 in 1851, between Colnbrook aud Maidenhearl, a little to the right of the high western romi, had formerly a meuastery of Augustine nuns of which considerahle remains still exist. There was in the 13th century a palace at Cluippeuhan in Burnham parish in which Henry 111. occasionally resided. Buruham church is spacious and interesting; portions of it are of early English dato, the remainder is cliefly decomted. There are here a Disseuting chapel and a National school. C\%alfont St. Giles, on the road to Amersham, 22 miles W.N.WV. from London, population 1169 in 1851, coutains the house in which Milton finished his 'Paradise Lost,' and where he is said to have commenced his "Paradise Regained.' The church is of the decorated and perpeudicular stylea. The Independents and Primitive Methodists have places of worship. Here is a school endowod by Sir Hugh Palliser, who ia buried in the parish church; also a British school ; and at Chalfont St. Peter, close by, is a school supported by the Portland family. The population has decrensed in consequence of the trade being drawn a way to other places more accossible by railways. The population of Chalfont Sit. Peter was 1482 in 1851. Chenies or Cheneys, on the Chess, a feeder of the Colne, 17 miles S.E. from Aylesbury: the populatiou in 1851 was 565. Here was formerly a seat of the dukes of Buckingham. Tho old Tudor Manor-house, which belonged to the Cheneys, a picturesque brick mansion, stands uear the church. The church, which in of the decorated and perpenlicular styles, has been recently restored. A mortuary chapel built in 1556 serves as the mausoleum of the Belford family. There ane here a chapel for Baptists, a school of Iudustry, an Infant school, almashouses for 10 poor persons, and some parochial charities. On the Chess are extonsive paper-mills, In the vicinity, the sceuery of Which is very beautiful, aro severnl mansions. Cravoley, North, 17 milea Ni.k. from Buckingham: population 914 iu 1851. The church is a very fue building, chiofly of perpeudicular dato nad style, but some portions are earlicr. Iu the interior is a rood screeu of unusually benutiful carvel work of the decornted period. In the pancls are painted figures of kings and hishops, very ourious on account of tho costumes. The Iudepenclents and Laptists have chapols here. There are Natioual and British schools. Cremdon, Long, 8 miles S. W. from Aylealury: population $1 \% 00$ in 1851. The village consints of a number of houses irnygularly arranged, and chiofly conntructed of rough ntone. In the vicinity trasea of a Iiomun cemetery lave been discorcrod: many uras, ica, have been exhumed. Niotley Abbey, in the parish of Long Creadou, was foumderi about 1162 by Wulter Giffend, the second enrl of Buckingham, for Augustiniau monks. A portiou of the abhey has been converted into a reuldonco; the chapel is usod as a cow-honse; tho remainder is a ruin. Close ly is a curious old water-mill which belonged to tho abbey. Loug C'rendon church is a cruciforn edifice of oarly linglish and aubsequent atylea. The Wesleyna Mothodists and Baptinta have placen of wormhip. Cuddington, 5 h miles S.W. from Aylenbury: population 623 in 1851. The church in of the Nomnan and early Englinh ntrles, with some insertod windows of tho decoratod style. The IVoaloyan Dethodinta and Baptinta have chapels. There in a charity for apprenticing poor boys and distributing money to neerly inhalitanta Datchet, on tho Thamen opposite Windsor, had a popu Intion in 1851 of 898 . It in a quiet village, chiefly dependent on the noighbouring gentry. It in romortod to in sumaner by anglers and holiday riaiters The church ls a amall ancient structure; parts of it are of the early Iinglish stylc. There in a Maptist chapel. Lillesborough, about 8 uiles 1i.N.N. from Aylesbury: the propulation of the parish ln 1851 was 1838. The church, \& very fine building in a commanding position, is porpendicular in style. It coutains many interating monumente of atoue and brass. The Weslegau Methodista
have a place of worship. Many of the inhabitants are dependent on the plaiting of straw; there are several plaiting schools in the parish. Haddenham, 7 miles S.S.W. from Aylesbury: population 1703 in 1851. The church is a spacious and very fine huilding. ' The Wealeyan Methodists and Baptists havo places of worship. In the parish are some mineral springs IIambledon, near Msrlow: population 1365 in 1851. Greenland House, near this village, the seat of the Doyleys, was a severely contested post in the war between Charles l. and the Parliament. The church has been modernised. There is an Independent chapel. Hampden, near Prince's Risborough, about 9 miles $S$. from Aylesbury : population 308 in 1851. The manor was for centuries in the Hampden family, the male line of which became extinct in 1754. The celebrated John Hampden lies buried in the churchyard; and there is a reprcsentation of tho lattle of Chalgrave Field, in which he received his death-wound in 1643, on the monument of John Hampden, Esq., the last heir male of the family. Hampden House, the former seat of the Hampdens, contains soveral family pictures. There is a whole-length portrait of Oliver Cromwell. The church is mostly perpeudicular, with parts of earlier date. The ladependeuts have a chnpel at Hamplein. IIorton, near Colnbrook, at tho southeastern extremity of the county is chiefly remarkable as having been tho residence of Milton in his early manhood. No restige of the house remains. The population of tho entire parish, which is partly in the county of Middloses, was 842 in 1851. The ancieut church with ita ivy-mantled tower is a rather picturesque object. In it is an inscription in memory of the mother of Nilton. There is a Freo school. Ou the Colne is a largo water-mill. Iver, on the Colnc near Uxbridge, 17 miles from London, was once a market-town; it has still two fairs: the population in 1851 was 1985. The church is partly Norman and early English. The Wealeyan Methodists have a a place of worship. There is a National school. On the Colne are extensive paper and oil mills. The Grent Western railway and the Grand Junctiou Cansl pass through this parish. Lanyley Marish is a good sized village near Colnhrook, part of which town is in this parish : the population of the entire parish in 1851 was 1874. The chiurch is ancient, and contains some good monuments. In the churchyard is a noblc yew-tree. The Wesleyan Methodists, Independents, and Baptists have places of worship. There are almshouses for 10 poor persons. Medmenham, on the left lmak of the Thames, 4 miles W. from Great Marlow: population 401 in 1851. Here was a cell belonging to the Cistercian monastery at W"oburn, founded in 1200. What remains of it is now converted into a privato residence. The chureh, which is ancient, has been lately repaired. There are two Free schools. Great Missenden, between Amersham aud Wendover, 9 miles S. by E. from Ayleshury, was the seat of a rich abley of tho canons of St. Anguatine. Some small portious of the conventual buildings remain. The populatlon of the parish in 1851 was 2097. The parish church is a handsome cruciform bnilding, of the decorated and perpendicular styles; it was thoroughly repaired in 1828. The Wesleyan Mcthodints and Baptists lave places of worship. There are National, Britiah, and lufant sehools. In the neighbourhood are several good mansions. Penn is situated on an elcvated sitc, commanding extensive prospects, 16 miles S.S.F. from Aylesbury : population 1254 in 1851. The original part of the church in of the early English style, but it has becn spoiled by taste!ces modern additions and alterations. There are chapels for Wesleyan Methodists and Baptists, and National and Infant schools. Pitsone, ancicntly Pightelshorne, about 10 miles W. from Aylesbury: the populatlon of the entire parish in 1851 was 545. In this parish was the rich abbey of Ashcridgo. The abbcy, for some time after the rlissolution of the commnnity, was a royal palace; and Queen Elizabeth, before her accession, frequently resided here. Tho conventnal huildings were nearly all pulled down by tho late Duke of Bridgewater. Edward I. spent his Christinas at Asheridge, cither in the monastery or the neighbouring castle of his cousin, Edmund, earl of Cornwall, son of Richard, king of the Romans, A.d. 1290. He held a parliament there at the samo time. Thero are liere a small chureh, of decoratod and perpendicular styles, a chapcl for Weslcyan Mcthorlists, and a National school. Quainfon, or Quainton Mallet, 7 milcs N.W. from Ayleshury : the popnlation of Quainton township in 1851 was 854. The church is partly decorated and partly perpendicular. In tho chancel is a very showy altar-tomb in meniory of R. Winwood, Esq., 1639 ; there are also some brasses in excellent preservation. The Baptists have a chapel here. There are almshouses for six poor widown. Slough, one mile and a half from Eton; the town is situated partly in tlo parishes of Stoke Poges and Upton: the population of Slough in 1841 was 1189 ; and in the Census returns for 1851 an Increase of 1277 sinco 1841 in Upton parish is attrihuted to the crectlon of new buildings in tho town of Slough and the neighbourhood. Since Slough has been made a first-class atation of the Great Western milway, the town has convidcrably increased. A new chnrch has heen built; and the railway station and Inrge milway hotel have added surch to the sypearance of tho place. Slough was for many years the residence of Sir Willlam Herschel; it was here he constructed his
large reflecting telencope, and made most of his important discoveries. He died hero in 1822. Salt Hill, near Slough, was the scenc of the celebrated 'Eton Montem.' Stecple Claydon, 12 miles N.W. from Aylesbury, was at the Domesday Survey one of the mont populous
places in Buckinghamshire: in 1851 the population was 869. The ohurch is of the decorated and perpeudicular periods, with modern transepts. It contains a monument to General Sir Harry Calvert, by Chantrey. In the village is a Free school built aud supported by Sir Harry Verney. Claydon House is a handsome mansion, standing in a fine park. Stoke Poges lies to the right of the road, between Colnbrook and Maidcnhead: the population in 1851 was 1501 . The manor was in the reign of Quecn Elizabeth seized by the crown for a debt. It was the residence for a timo of 'the grave Lord Keeper,' Sir Christopher Hatton; and subsequently of Sir Edward Coke, who in 1601 entertained Queen Elizabeth here, aud presented her with jewels to a considerable amount. The park is adorned with a colossal statue of Sir Edward Coke; and adjoining the park is a large monument, crected to the memory of the poet Gray. The old manor-house, now pulled down, is the scene of Gray's 'Long Story' and the churchyard of his well-known 'Elcgy.' The poet spent much of his youth in this village ; and his remains lio in the churchyard, under a tomb which he had erected over the remains of his mother and auut. Stoke chureh and churchyard well auswer to the description in Gray's 'Elegy.' At Stowe, near Buckingham, is the mansion which uutil recently was the scat of the Duke of Buckiughnm. The grounds were originally laid out in straight paths and arenuès, and adorned with canals and fonntains. Subsequent improvements wore made under the direction of Bridgman, Kout, and other artists and amatenrs; and the beanties of Stowo wero commemorated hy Pope and Weat, who spent many festive hours with tho then owncr, Lord Cobham. The grounds when viewed from a distance appear like a vast grove, interspersod with columns, obelisks, and towers. They are adorncd with arches, pavilions, temples, a rotunda, a hermitage, a grotto, a lake, and a bridge. The temples are adorned with buste, under which are suitable inscriptions. The house was originally built by Petcr Tomple, Esq., in the reign of Elizabcth; it was rebuilt by Sir Richard Teniple, who died in 1697, and has been oularged and improved since. The wholo frout extends 916 feet, the central part 454 feet. The costly and splendid contents of this mansion were two or thrce years ago sold hy auctiou ; the mansion itself is now unoccupien. Taplone, ou the lanks of the Thames, nearly opporite to Maidenhead, population 704 in 1851, may just bo mentioned on account of Taplow Court, the seat of the Earl of Orkney; and the fommer mansion of Cliefden House, destroyed by fire in 1795, and again about thrce years since : a new mausion las heen built by Mr. Barry. This magnificeut house was hegun by the witty and profligate Duke of Buckinghan, and was for some time tho residenco of Frederick Prince of Walcs, father of Qleorge 1If. Clicfden is now the property of the Duke of Sutherland. The church is a modern brick cdifice. On tho Thames at Taplow is a large paper-mill. Waddesdon, 51 miles W.N.W. from Aylesbury on the rond to Bicester : parish population 1439 in 1851. The clunch is very interesting; it contains examples of every style of architecture from Norman to perpendicnlar. There are chapels for Weslcyan Methodists and Baptists, and a British school. Among other parochinl charities are almsliouses for six poor widows, and a fund for distribution among needy parishioners. Weston Undemoood, near Olncy, was for somo yearm tho residence of tho poet Cowper; and sounc of his descriptions of rural scenery were drawn from nature in his walks round this place. The church is of early English and perpendicular styles. There aro a lloman Catholic chapol and schools in tho parish: the population in 1851 was 405. Whitchurch, $4 \frac{1}{2}$ miles fiom Aylesbury: population 915 in 1851. The church is chiefly early English. The Wesleyan and Primitive Methodists have places of worship. Creslow manor-house in this parish is a picturesque example of a manorial residence of the 16 th century. Wolverton, 4 miles from Stony Stratford, has grown into importanco from having been made the central station of the North-Western railway. The populatiou of Wolvcrton in 1851 was 2070, being an increase of 1653 since 1831. In the village or town arc a chnrch, a Wealeyan chapel, a achool-room, a lecture and news-room; besides extensive gas-works, and workshops for the repairing of the locomotives and carriages belonging to the railway company. Most of the inhahitants are dependent on tho North-Western Railway Company. The houses though small are geverally convenient, and there are scveral plots of ground lct out at a very low rent by the company for workmen's gardens. The new church is in 'the railway town,' as it is sometimes called, closo by the station. The old church is at some little distance from it, by the old hamlet of Wolverton. Wyrurdisbury, or Wraysbury, on the Thames, 3 miles N.W. from Staines: population 701 in 1851 . In this parish was a Benedictine nnnnery founded in the reign of Henry 11. In the grounds of Aakerwyke House is a celebrated yew-treo which overshadows a circle of 207 fcet in circumference. It is belicved to bo older than the time when King John gigued the Magna Charta on Runnimede, on the opposite side of the river. Magna Charta lsland lies just off Wyrardisbury to which parish it bclongs. Wyrardisbury church is a very handsome village church; it has recently been well restored. There is a statiou here of the Windsor and Staines railway. Divisions for Ecclesiastical and Legal purposes.-Of the 201 parishes 79 are vicarages, and 29 curacics or donatives. Tho county is for the most part in the diocese of Oxford, and in tho archdeaconry of Buckingham. The sevcral parishes of the county aro divided among the seven rural dcanerics of Buckingham, Burnham, Muresley, Nowport,

Wialhodoa, Weallorer, and Wyeombe The county is diridod by the Poor law Comminsonern into coven C' nions: Amernlunm, Aylarbury,
 Puorlam l'ulona lmoludo 102 jurinhen and townallpm, with an anes of 364,005 scros, and a popplation in 1551 of 143,647 ; but the boundarse of the linione are not etrictly coopual with those of the county. Beckinghmatiro io in the Sorfolk circuit. Tho Lout and runnmer nuine and the quarter nowdone for the county are held at Aylesbury, when aloo is the county jail Cuunty courta are lield at Aylesbury, Itackingham, Sowportirenell, and lligh Wycombe. The county roluras thre sucmiturs to the Imprial Parliannent, one having been addal hy the lheform BilL. Aylesbury is tho chief place of the connty dection. Two memben are roturned for tho hundred of Ayleshiry (the right of roting for the borough of Aylesbury having been thrown opa to the frecholders of the hupdred), and two each for the boromghe of Buekinghmm, IIgh Wrcombe, and Marlow.

CTrid Mivery and A mpigwitica-Camden and most other antiquarics bavo lmaluded lunkinghamhire, and probably with good reason, iu the territory of tbe Catjeuchlani or Catnellani. [Bmitassia.] When the Romans, umiles the comemand of Aulus Plautius, in tho time of the mereror Claudius, seriouly uadertook tho oonquest of Britain, It has leen conuidered by some that Buckinghamebire was the sent of conlect, and that in a battle within its boriere, Togodumnus, one of the Iritish chichaing, was alain. It is more likely however that the death of Togodumnue cocurred in the manshes of Fiseex, near the month of tho Thamon. When South Britain was subdued by tho Bomans and divided into provinces, Buckinghamshire was included in theria Comarieumia. Sevenl of the ancient British and Roman road enomed this connty. The Watling Street coincides with the parlismeatary and unail-conch roarl to Ilolyhead iu that part of it which rum from Irrickhill to Stony Stratford through this county. The Ikeaing. Ikenold, or Ieknield Street runs aloug the edge of the Chiltern Ililis, and a road runs nearly parallel to it under the hills, callod by the country people 'the Lower Acknell Way.' The Akemno Street eromel this county also, but its direction is uncertain. Of lhoman ntations some notioo hne been already taken. The Magiovixium of Autoninus wan probably at Fenny Stratiord; Lactodorum, which Catoders fixes at Stony Strationi, and Pontes, which he fixes at Colabrook, are placed by more modern antiquaries at stations beyoud tho limite of Buckinghamshire; nnmely, Lactodorum, at Tuwcester in Siorthmphomhire, and Pontes, at Staines is Middlosex. There are eoveral ancient campe or enth-works in the county, chiefly near the elge of the Chilterns or the course of the Thames. There is an earth-work al Ellesborough, on the ridge of the Chilterns, in one corner of which in a high circular mound or keep 80 paces in circumforenos, called Cuntlo Ilill, or Kimble Castle. The name of the adjwoent villagen of Kirable (Great and Little) was written iu ancient reconts Kirnoled or Cunobel.
In tho civil ware in the reigus of Stephen and Johu, Buckinghamshire Tra tho wone of contest, but not of any marked event. Hanslope Cevtle, near Shoy Stratiord, hold for tho barons againet John by its owner, was taken hy the King's favourite, Fulk do Breut, A.D. 1216 or 121\%. In the groat civil War between Charles I. and his Parliament, the village of lrill wan garrinoned by the king. Upou this garrison the jwhiamentary forces under Ilamplen uuade sotne unsuccesnful athernpe Ayleshory seoms at this time to have been held hy the I'arimment In 1653 the Parliamentarinns uniler the Earl of Fissez wern quarterol at differeat places in the county. Prince Rupert atheked hy surpriso their quarters at Wycotnbo and another place, and took nevern prisoners Tho opposito party puraued him in his reisent at Uxfurl; and it wan in akirmish which took place on this ocevion thut Ilampelen received his donth-wound. In 1611 the king hat his hemlquartorn ab Buekingham. In tho namo jear Borstall Hown in this cointy, "reputed astrong place," may E Lord Clarendom, was bandoned by the luyalint party, who thought it right to withdraw thone garrinons whleh were too far distant from Oxford.
baekingtum in not by any mean rich in mutiquition of the lenomil coutles of the foudal ago there are ncarcoly any remains; some erth-work alome cervo to inark the mitem of thone at Larendon, hoar Olney, and whleclurch, Letween Aylesbury and Buekingham, and of 11 analope Cialle, Carluthorpe, near Slony Stratford. The remaius of the bulldings belonging to the variovin religioun entahlishments are but maly. There are motn ver wmall rwanins of Euraham Abbey, and Melmenhas Abbey. Of Jimeenden Abbey, part of the cloisters rumain, hoving grolned arches reating on pillarn, with enriched capitals In tho Norman ityle. There are mone conuhlerable romainu of Notley Abty, wheh ha now converted into a farmohouno. Tho bnildliggs nowurg tbroe mides of a quadrangle. On the mouth mide is the hall, 6A fot lonk ly 28 fod (nearly) wide, now unel as a barn; the atyle of thin bolklion splman to to the carly Einglinh. On the weat ade are the Lurliting of the farm-homme, In the later Fingliah ntyle; mome part raa prolmbly lalle aner tho dimolution. Part of the monartery of Nurnoley (or st . Margarot), in the gurinh of Ivinghoe, in yet alandinas.
Uf the chnchem of early dlate, Stowkley, loetween Winulow and Laiohenm Izermad (Bedfondhiro), la a grod Norman ntructnre, with puch of the eharacterivic Norman carving. The porch on the month sile, and the pimmele of the bort igruse tower, which in betweon
tho navo anil chanoel, have been alded since its erection. Other examples of the Norman period occur at Hanslopo; Leckhampstend; Wing; IIigh Wjcombe; Stanton Burj uenr Sitony Stratford; tho deserted church of Uptou, wear Colubrook; Water Stratford, uear Buekingham; and Diuton, near Aylesbury: a fow other chnrehes have some portion of Norman architecture. Of the early English style the examples no more abundaut. Chetwodo church, near Buekiugham, formerly the church of tho priory of Austin Canous, may be conaiderel an coeval with the foundation of the priory, A.D. 1244. This church contains some of the most ancient and elegrant specimens of stained glan to be found in the kingdom. Lilliugstoue Dayrell, and Cold Bradifield aro also excallent examples of this Btyle. Many of the ehurchea hare portions of enrly Liuglish work. In examples of the decorated style the upper part of the county is very rieh. Clifton Reynes, Emberton, Olney, and Great Ilorwood are excellent specimens of the style ; in the lower part Chesham lBois, and the south aisle of North Marston, are the best examples Of perjendicular churehes remaining the best are Maids Morton and Willesdon, portions of North Crawley, and the chancel of North Marston; the tower of Maids Morton lass jutercsting features; the chapel of Eton Collego also has some rery good portions.

In 1851 there were four mavings banks in the county, at A ylesbury, Buckingham, Newport Pagnell, snd High Wycombe. Tho amouut owing to depositors on Novembor 20th I 851 was 133,689l. 3s.

BUCKLAND. [DEvONSMRER]
BUCKOWINE [BUKOWINA.]
BUDA, BUDIN, or OFEN, a city on the right bank of the Danube, in the Hungarian county of Pesth, is united with the city of Pesth, which lies on the left bauk of that river, hy a bridge of boats about 3800 feet in leagth, and by a chain brielge recently erectod hy an English eagineer. The two towns (called conjoiutly Buda.Pesth) constituto the metropolis of Ilungary and seat of governinent. Luda is 130 miles in a straight line but above 150 miles by railway through Pressburg and Waitzeu S.Es from Vienna. It is buile round the Schlossberg in the midst of a mouutainous and picturesque couutry. It is about nine miles in circuit, and coutains about 33,000 inha bitants. The central part of Buda is called the Fortress ; it rises on all sides round the acclivities of tho Schlossberg, and is inclosed at its foot by walls and bastions; thence it spreads out into five suburha To the south of the town there is a lofty eminence called the Blocksberg, on the summit of which an observatory is built. Tho Fortress, which occupies about a twolfth part of the entire area of Buda, is laid out on a regular plan, and coutains handsome buildinge and spacious squares. The most remarkuble buildings are the royal palace, a vast structure fronting the river in which the Palatine, or viccroy, of Ilungary resided; the Church of the Assmmption; the garribon church tho house of assembly for the states; the arsenal ; the town-isall; and the several buildings for the various departments of tho business of the stato. Buda contains altogether twelve IKoman Catholic ehurehcs, several monasteries, one Greek church, and a nynagogue. It passesseb a royal gymnasium, a lioman Catholie high school, several lihraries, a sehool of denign, severnl other eduentional establishnenta, a theatre, and many charitable institutions. The observatory, which stands in $47^{\circ} 29^{\prime} 12^{\prime \prime}$ N. lat., $19^{\circ} 2^{\prime} 45^{\prime \prime}$ E. long., is supplied with the finest instruments and apparatus. The isle of Margucrito which is laid out as a garden, aud the sulphurous warm-baths in various parts of the suburbs, are particularly dewerving of mention. From one of the hot sulphur eprings, which marks $1179^{\circ}$ on Fahrenheit's thormometer, the German name Ofen (oven) is derived. Buda is the Ilungarinn and Budiu the Slavodic name of the town.

Buda mapufactures a little silk and volvet, leather, some cottons, and woollens. It possosees also a cannon-foundry, copper-foundries, a gunpowder-maxufactory, a silk spinning-mill, an cxteusiso typefoundry, and a bobacco-manufactory. The trade of the town principully consista in the wine produced by the rineyands in the environs, to the anuunl anount of about $1,500,000$ gallons. This wine, whieh resembles lurgundy and is well known uuder the name of "OfenerWein,' conses from the oxtonsive rineyards belonging to the fown itself, which are snid to cover an aren of serenty square miles.

From some remains of ancient buildings found at Alt-Ofon (a large markot-town of 8000 inhabitants close to Buda), it has been inferred that a Romau town once uccupied the mot, the name of which is given as Aquincum or Sicambrium. The site is probahly ancient but the fimt heginniug of the town of Buda whs the eroction of a fortrens on the Schlossberg in A.D. 1240. King Steplien and some others of the liungarian kings oceasionally reaided iu Buda. It was taken in 1520 by Solyman the Magnificent, and retaken the following year by Ferdinand of Bohemia Solyman ngaiu took it in 1529 , and it remnined iu the hands of the Turks till 1680 when it was takeu by the Duke of Lorraine who blew up the castle. This wan subsequently rebuilt by Maris Therema. During the insurrection which followed the nunder of the Imperial Comminsioner Count Lamberg on the bridge of Buda-Pesth (Sopt. 28, 1848), Buda as well as Penth suffered much from the violence of civil war. The palace of the l'alatine, the Vienna gato of tho town, with the bastions and parapets of the fortresm, Fere all but demolinhed during the bombardment of the city by Giirgey on the 17th, 18th, and 20th of May 1819. On the 20th the city wan stormed in comequence of the treachery of an Italian
regiment in the garrison. Geueral Henzi, whose heroic defence of the city is supposed to have sared Vienua from being attacked by the Hungarians, died of his wounds on the night of the 21st. A cast-iron monument 66 feet high and 90 fcet in circumfereuce, erected in honour of tho general and his companions in arms, was uncorered in the presence of the emperor Francis Joseph in July 1852. The monument represeuts a dying warrior crowned with laurel by an angel ; above him is a dome round which on delicate columns are figures of Faith, Truth, Religion, Magnanimity, and Devotion. The tablets on the sides contain the names of those who fell in defence of the city. The fortifications of Buda have been recently all thoroughly repaired.
BUDAYOON. [BAREILLY.]
BUDISSIN. [Bautzen.]
BUDLELGH, EAST. [DETONSEIRE.]
BUDWE1S, the capital of the cirele of Bndweis in the south of Bohemia, is situated on the Moldau, 75 miles S. from Prague, 100 miles N.W. from Vienna, in $48^{\circ} 59^{\prime} \mathrm{N}$. lat., $14^{\circ} 28^{\prime}$ E. long., and has about 9000 inhabitants. It is a well and regularly built town, and is partially fortified. Budweis includes three suburbs; is the seat of a bishopric ; and has a handsome rathhaus, or town-hall, cathedral, seven churches, one monastery, a gymnasium, a philosophical academy, and a diocesan and theological seminary. The markets for horses and grain are important : the manufactures consist of broadcloth, damasks, muslin, saltpetre, \&c. By means of the Moldan, which is navigable down to Prague, and the Elbe, and by the horse-railway that connects the town with Linz on the Dannbe and Gmunden on the Trauen-see, in the archduchy of Austria, Budweis is a place of considerable transit for salt from the Salz Kammergut, and for other morchandise. The district around Budweis up to the source of the Moldau belongs chiefly to the princely house of Schwarzenburg, onc of whose ancient seate, the Schloss Frauonberg, a feudal fortress, stands in the neighbourhood of a magnificent gothic castle lately erected; around the Schloss is a vast park well stocked with wild boars.
BUDWORTH, GREAT. [CuEgMre.]
BUENOS AYRES, the largest, most populous, and southernmost of the federal provinces of the Argeutine Confederation, South America, extends from the Rio Negro on the south, about $41^{\circ} \mathrm{S}$. lat,, to a line which, about $33^{\circ} \mathrm{S}$. lat., divides it on the north from the provinces of Santa Fe, San Luis, and Mendoza. On the west it nominally extends to the Rio Diamente, or even to the Andes, but this western part of the province is still only occupied by the native Indians. On the east and south-ast it has a coast-line along the Rio La Plata and the Atlantic of upwards of 600 miles. The surface is roughly estimated at 200,000 square miles : the population probably does not exceed 250,000 .
The coast-line, surface, and geology of this province have been sufficiently described under Aroentise Confederation. The only harbonrs along the extensive line of coast suitsble for large vesmels, are those of Buenos Ayres city, which is a very bad one, and Port Belgrano in Bahia Blanca, near the southern extremity of the province, which is an exceHent one. Almost the entire province is a level plain; the only exceptions being the unoccupied western districta, which are hilly, and the Sierras del Vuulcan and Ventana, and connected ranges, which traverse the southern districts. A large portion of the province is fit for agriculture; but though a good deal of coru is raised, the attention of the inhabitants is ehiefly given to the rearing of cattle. The peasantry are generally averse to the cultivation of the soil, to mechanical work, to fishing and navigation, or, indeed, any settled labour. Their employments are mostly confined to the tending of cattle and horses, or such callings as can be pursued ou horsoback. They live in ranchos, or huts, which aro built of stakes, filled in with mud and covered with thatch, and consist of a sleeping apartment and a 'cook-house.' Their food consists of beef and an infusion of mate. The cattle farma, 'Estancias', are many of them of large size; somo of the most extensive and complete of these establishments are the property of British subjects, a good proportion of the labourers being natives of Ireland. It is estimated that there are $12,000,000$ head of cattle in tho province. Great attention has been paid within the last few years to the breeding of sheep, which thrive remarkably in this climate. The old breeds were very inferior animals, but they have been greatly improved, mainly through the skill and enterprise of three or four English sheep-farmera. The number of sheep now in the province is estimated at $6,000,000$, of which a third are of tho improved breed. Thero are in the province several 'Saladeros,' or' vast extablishments at which the cattle are slaughtered, the flesh salted and dried, or boiled down for tallow, and the ekins preparod for exportation; somo of tho vats at these 'Saladeros' will contain tho carcanses of 250 oxen. Very large quantities of horses are kept on the plains in a emi-wild state. In 1851 the exports from Buenos Ayres amounted in value to $2,126,705 l$. ; the value of the hides exported being $1,300,570 l$., of tallow, $240,800 \mathrm{l}$., of wool, $219,200 \mathrm{l}$. The imports in 1851 amounted to $2,110,0001$. ; of which the imports from Great Britain, chielly of cotton and woollen goods, ailks, harclware, iron, eutlery, and glass, amounted to about $900,000 \mathrm{l}$. ; from France, chiefly of wines, fine cloths, silks, laces, gloves, and fancy articles, to about $500,000 l$. ; and from the United States, chiefly of spirits, provisions, coarso cloths, noap, and candles, to sbout $200,000 l$. There is also a
very large coasting trado in fruits, \&c., brought down to the market at Buenos Ayres, in vessels constructed for the service, and chiefly tho property of Italians and Frenchmen. As Buenos Ayres aloue of the provinces of the Argentiue Confederation has a coast-liue, and consequently was thus brought into conuection with foreign natious, the provincial governmeut, though not by express arraugement, from the tirst carried on the business of tho Coufederation with foreign powers. It also sought to assume to itself the monopoly of the external commerce, by strictly closing the navigation of the Parand to foreign vessels. The endeavour to maintain this political and commercial supremacy has led to protracted wars with foreign powers, as well as with the other provinces, as has been already noticed in our account of the Abgentine Confederation. It is therefore ouly uecessary to add here that the state of siege, which in that article Buenos Ayres was said to be enduring, has siuce been raised, aud commercial relations have been resumed; that a treaty has been agreed upon between General Urquiza, as president of the Argentine Confederation and the governments of Great Britain, France, and the United States, for the opening of the Parana and Uruguay, and establishing a protectorate over the island of Martin Garcin, which comnands the entrances of these rivers; and that Buenos Ayres has published a formal protest addressed to "all European governments," against that or any such treaty. The differences between Buenos Ayres aud the other provinces remain of course still unsettled. The tenacity with which Buenos Ayres clings to its commercial policy is easy to be understood, when it is stated that nearly the whole of the revenue required for carrying on its government, and meeting the demands of its creditors, is obtained from its custom-duties; and that while the Parand remained closed to foreign vessels, the entire import and export trade of the riverine provinces, as well as the interior, had to be supplied through the port of Buenos Ayres. According to the constitution, the executive consists of a governor, or captain-geueral as he is styled, aided by a council of ministers appointed by himself. He is responsible to the junta, or legislative assembly, by whom he is elected. The junta itself cousists of 44 deputies, one-half of whom are annually renewed by the people.
Thero are few towns of any importance in this province except the capital Buesos Apres. The next largent city is that of San Nicolas de los Arroyes, which is well situated on high ground on the Prana, about 190 miles from Bueuos Ayres, and has about 8000 inhabitauts. The town covers a considerablo space, iu consequence of the better houses having large fruit gardens attached. The streets, which are built at right angles, have brick footways. The church in the great equare has a larye wooden cross opposite to its entrance. Near it are the barracks. There are schools for boys and girls. The town has a good deal of trade; and has been steadily improving for some years. San Pedro, population about 1000 , is another of the towns on the Parana, which appears capable of carrying on a considerable trade, Tandil is a small placc, situated at the foot of a range of rocky hills, about 210 miles S. by W. from Buenos Ayres, which serves as a fort against the Indians, and to supply the wants of the surrounding couutry. Chascamas, about 90 miles S.E. from Buenos Ayres, adjoining tho largost lake of the same name, was once a place of some trade, and contained upwards of 4000 inhabitants, but became greatly reduced during the late civil wars. It has a large but now partly ruinous church, and several stores and shops kept by Europeans.
(Sir Woodbinc Parish, Buenos Ayves, new edition; MacCann; Gerstaecker, \&c.)

BUENOS AYRES, the capital of the province of Bucnos Ayres, and the chief city of the Argentine Coufederatiou, in South America, is situated in $34^{\circ} 36^{\prime} 29^{\prime \prime}$ S. lat., $58^{\circ} 10^{\prime} 11^{\prime \prime} \mathrm{W}$. long., ou the south bank of the upper part of the wide acstuary of tho La Plata River, about 150 miles from the place where it euters the sea. The population of the city in 1825 was 81,136 , it is now cstimated at about 120,000.

The La Plata at Buenos Ayres is about 36 miles wide, so that Colonia, a small place ou the opposite bank, is only visible from the more elevated places in the town, and then only in very clear weather. Though the restuary has a considerablo depth in the middle, it grows so shallow towards its south bank, that large vessels are obliged to remain in the outer roads, about seveu miles from tho shoro; small vessels enter the inncr roads, called 'belizas,' where they are still two miles from the town. The beach itself is extremely shallow; even boats cannot approach nearer than from 50 yards to a quarter of a mile, according to the state of the tide, and persons as well as goods are landed in rudely constructed carts drawn by oxen. When it blows fresh the surf on the beach is very heavy, and often causes loss of life.

The city stands on a high bank for about two miles along the river, and has a laandsome appearance at a distance. Between the city and the water's edge is a space of considerable width, rarely covered by the tides, on which General Rosas, in 1847, commenced tho construction of a great sea-wall, which was intended to stretch northward from the fort the whole length of the city, and to bo planted with trees, so as to form a grand esplanade. Though it remains at present unfinished, it still forms a favourite promenade. Ou tho beach, about the ceutre of the line of houses, is the fort or castle, the walls of which extcnd to the water's cdge, and are mounted with cannon. Its build ings are appropriated to public offices, and the residence of the

IWaibet of she repulitic About a mille lower down the high lasik owltemly turus lnininl, leavlug a rent lev 1 plain alung the shoro, towrerwed lir a litele ntrcasn, which minke a gent harlour for small erin. lis mouth forming a kind of clrcular lnain.

Thehind the ceallo in tho Mlam de Ia Vittoric, a great squane, which occupio a comstdeable npmet; it is divided luto two purts hy a long add low evinice, which serres an a kiad of bamare, and has a corridor along the whole length of ench mide, which is usal as a shelter for the tmarket poojile. Ubo side is cceupici an a markeh The opposito aide, Flich ls susch lanser, in a kind of 'place d'armes,' nnd contains a rery the esllice, called the "calitho, or town hotseo, in which the conrtie of juatioe lold their menioms and the city council, or cablldo, mecta Near the centre of the aquare is a neat [ymanid, with an emohematlo frgure at achen corper, orocted in commeworation of the Iterolution, by whleh the coustry why froed from tho dominion of Spaim.

There are in the city areen churches, of which the principal in the eathournh, which of itself corers almont a whole aquare. The front in a mosers portico of 12 Curinthinn columne. It is surmonnted with a Lange nad luny doma. The luterior in very splendid. San Domingo, San Mereet, fan Francico, aud the Ifocoleta aro all large and haudensme builaing but of a mornowhat glocmny aud neglectod aspect. In ibothe if the spmineris theso churchee were ommented with a Infutin of goll and silver, lut the revolationary wars have drained them of their wealth. For the une of British subjects, who are very nnmeroun, a church was erectal some jears back, at a cost of abont 40006 , half of which whe contributed by the 13 ritizh goverument ; it is copable of holding abont 600 persona, and the service is conducted moonding to the rites of the Church of England. The Scotch, who monter in the city and auburbs about 1000 , have a Presbyterian chanel which holde about 400 pernons. A Mothodist chapel was erocted in 1812, at a cost of 2e50 ., which is used hy all sections of Britinh Dimenterm. The Gcrmans number abont 800 ; the Protestant yortion of them luve a chapel in connection with the Evangclical Cluarch of Irumaia. In connection with all these Proteatant places of wormhip are schools for the children of both sexes. For a long tine them were llourinhing enbliamenta, but hy a neries of measures, commencisg in 1814, the government has placed them under such wovere reariction, imeluling is very oppressive degree of polico marreillanes, that their offeiency has been merionsly impairod, and their existenco coutinually imperilled. A Protentant cemetcry has a peat gotble chapel. There are geuemi hoapitals for the sick, and mumarous bemerolent luntitntions, supported by both Roman Catholics asel Protealanta

The atrecte of the city are at regular iotervals, and are open at right angles to the river, with a rather steep asceut from the shore. They aro atmicht and regular; a fow of them near tho pinz7a aro pared, but the grester part ore unpared and very dirty. Besiles the Alameda, or ponblio wilk ou the beach, there are niso publio pleasure-grounds, lately opened at a mort dintance from the city.

In the ueighbourhoon of the plaza there aro many bouses of two atories, but towands the outaklita the housen linve only one story. The snowt notiocelbe of the commercial buildinga are the 'barncers,' or warolhoums, which are very extensive entablishmeuta, well provided with hydranlic prenwes, tc, but the buildingn themselves are little better than long bock Though the trade of the city is rery conBderable, the ntrects hare a dull and listless appearnuce, especially to obe nocuntoused to the hustlo and activity of an Englinh commercinl town. The extoat of the commerco nad its oharacter are sufficiently frdleated under Annevtis: Cospederation and Buevos Ayrai, (Provlace of) Iloheln, honrling houses, and ntores are numerous; ceveral of them are kept by Finglinh and Ancericanm.

In the vleinlty of the city are enany extenaive aheep farms and Salaieros, and a large eatablialument for the prephration of presorved menta

No other town of South Auncrica bes no nany inntitutions for the promotion of acimece. The unlvernity is affended hy about 450 ofodenta, and powerion a library of about 20,000 volume.. Thero aro sleo a collection of objecte of nitural history, an ohsermiory, a acpa. rato netwol of ratheration ; p palile achnol, a schowl for painting and Irawing; a literary waciety for the promotlon of natural plilosonhy and ennermatlea, an coudemy of encdicine, and another of juriapmi. desce, a thormal mebool for mutial lnatruction, motriotio unlon for the promollon of asriculture, lenklen eotne chnritable eocietica. Soveral eowepaper ore juldiahel in tho towa.

Tha tanjort'y of the Inhalitants aro the dowoeminnte of Spaniande, who hove ettlal in the country dariug the lant three centnries. The number of fres angrow or alaren fomall; that of native Indlans is grotes; they comploen the larger part of the lower clases, and apil oaly spanish, having eutircly forgottes the langungo of their necentora

Th town wie fowndel by the Spminerle in 1535 , bnt in 1539 , bing oblifell by the molghioaring Indiam to almadon it, they rotireal to A mustopton, on the I'arapuay. Whan the Sjanianda were firmly * thlel in the country they robull the towa in 15sn, and aince that these it alway bes been fncreaing, though mlowly. The climato in heallhy, on fie mame Duenom Ayme (guod sir) lmpller, an appellation whiob wa bentowed on it by lis fommer Mendoen.

BUFF゙ALO, Uniten States, tho chiof town of Irrie Cotury, Stat of New York, in situated at the heml of Ningnra liver, near its right bank, iu $42^{\circ} 65^{\prime} \mathrm{N}$. lat., $75^{\circ} 55^{\prime} \mathrm{W}$. loug., distant $825^{5}$ miles W. froiu Albay ly milway, and 884 miles lyy canal. The population of the city of Buffalo in 1810 wan 1508 ; in 1825 it was 5140 ; iu 1830 it Was 8053 : in 1810 the unmber of inhabitants was 18,218 ; in 1850 it wan 42,200 . The mivid increase of the town may lee nacriberl to tho circumslance of the Lirio Canal connocting tho Iludson IRiver at Albnay with Lakc Erie hariug its termivation at this port

The restanry of Buffaio Creek, on the right bank of which the torn is situated, and whlela lece falls into lake Frie, constitutes the courmodious aud mafo lantbour of Buffulo. Niagara River is tho chanuel of coumunication between Laken Erio and Ontario. Bunfilo stands on elerntod grouud, commanding vaied and picturcsq̧ac viown o! hnd aud lake scenery. The town in surrominded on throo sides by a fine alluvial plaiu. The houses nre well built, and aro arranged in numerous broad and regularly laid-out streets and three handsome pulhic squares. The streets are lightod with gas. There is a good supply of water. The clurches, which belong to nlout twolve dif ferent denominatious, aro about forts in uuuber. The lloman Catholic cathedral is the mont striking of the ecclesiastical edifices. Besides a full supply of common achooln, which aro open to all children, there are uumerous culucational neminaries of a higher class. Buffalo possesses a uvivetwity, chartoral iu 1816, conuccted with which is a Mcdical school. Tho loung Mcu's Associatiou is a kind of literary institute, possossing a library of about 7000 volumes, a small mineralogical and zoological muscum, aud a good reading-room. Tho German Young Men's Associatiou is a sinilar institution with a library, chiefly consisting of works in tho German laugungc. Fiftect newspapers are published iu Buffalo, including four claily papers. Thero are numerous benevolent institutions iu the city, of which uny ho named the Orplana Asylum, the City Hospital, the Female Orplann Asylun, the Ifospital of the Sisters of Charity, and tho Aasociation for the Relicf of tho T'oor. A considcrahle trado is carriud on at Buffalo. Large quantities of wheat, ladian corm, flour, butter, \&c, are imported.

The number of travellers passing through Buffalo is at all times very great; it forms the port wheuce persons going to the northern part of tho westeru states first cuibark upon tho lakes. Buffalo was attacked by the British la 1818, ant so entiroly destroyed by fire, that of ahout 200 houses of which the place theu cousiated only une escaped. The lapse of forty years has mado a vast clango in the aspect of the town, which is now an importaut commercial port, and the twelfth in amotnt of populatiou of the cities of the United Staten. The railway communication possessed by tho town is abundant, reaclsing to Alhany, to New York, to Canada, and in rarious dircetions to the interior of the country. The Grand Erie Canal, the mnin sousce of the prosperity of Buffilo, wns commenced iu 1817 and finished in 1825; it is 363 miles loug, with a surfaco width of 10 feet, sud lans 84 locks. Tho cost of its construction was about ten anillions of dollars: largo tolls are reccived from the traffic carried along its watera. In 1850 there were cutered at the prot 718 ressen of 101,992 tous burdeu, and thergeleared 748 veasels of 103,598 tons. The arrivals in the constlng-trade were 3558 vesecls of $1,255,480$ tons, and the clearnuces 3509 vessels of $1,263,900^{7}$ tons. Tho value of the nerchandiso carriod along the Lirie Canal amounted to between eight and nine millions of pounds atcrling; tho goods from Albany hy railway nuomuted to about a million and a quarter.

IBUG RIVER. [BOO.]
BUCFEY, a district of France, formerly included in l Burgogne, is bounderd S.li, S., mad S.W. by the 1 hhone, which here maker a considerable bend. Belley was its capital. It now forms the arrondissemout of Belley and Nantua in tho department of Ars, unter which bead the mature and products of the country aro notitod. The towns of Ciex, Nintua, and Seyeel were almo In Bugey. Bugey formerly was suliject to the countn of Savoy, by whom it was corled to Frauce by the treaty of loyon, A.D. 1601.

IBU11.T1I, lreeknockmire, n murket-town and the meat of a PoorInw Union la the pariah and lumdred of Builth, is sitnated on tho right bank of the river Wyo, in $52^{\circ} 9^{\prime} \mathrm{N}$. Iat., $8^{\circ} 3^{\prime} \mathrm{W}$. long. ; distant 14 miles N. from lreeknock, and 173 miles W. by N. from Loudon. The populatlon of the parish of lluilth, otherwise Llauvair-yn-Buallt, In 1851 wan 1158. The living is a perpetual curacy in the archdenconry of Brecon and dioceme of St, David'\& Builth Poor-Law Uuion containm 31 parinhes and townships, with an ares of 142,720 acres and a population in 1851 of 8346.

In the 29th of Ilenry III. the castle of Builth, a fortross of grent ntrougth and 1 mportance, was in the poseomson of Roger Mortimer Who was dimporacmsed of it by Llewellyn prince of North Walea. Llowellyu was afurwand betrayed by the garrison of this castle, whence the eplthet of 'tmltorn of Builth' was affixed lyy the Welsh to the townamen. in tho carly part of leary Vl's relgis the castle was leld lys Eimund, the last Bortimer Earl of March, after whom It derolved on his brother-in-law, lichard, earl of Camhuidge. It aforwarls becamo vented in the crown, and has since presed throngh varioun launds to tho (fwyune family. The castle oecupied a height overlooking the river Wye. The ouly portion now existing is a amall fragmeat of the north wall.

The town of Builth consists chiefly of two streets which meet in an acute angle, and thence form one street, extending along the road towards Llandovery. Tho streets are narrow; the town is irregularly built, hut having many rude old-fashioned louses it has a somewhat picturesque appearance. Across the Wyc is a humdsome stone hridge of six arches, erected in 1770 at the joiut expense of the couuties of Radnor and Brecknock. The parish chnrch, dedicated to St. Mary, was with the exception of the tower, which is ancient, rebuilt in 1793. Ahout two miles south from Builth is a new church for the parish of Llandew-yr-Cwm. The Baptists, Independents, and Calvinistic and Wesleyan Methodists have chapels in Builth. There is a Free school for 36 boys and 12 girls. The market-day is Monday. Fairs are held on January 27 th, October 2 nd , and December 6th, for agricultural produce and general wares. A county court is held in the town. About a mile from the town are mineral springs, called Park Wells, which on accouut of their medicinal qualities are visited in summer hy invalids in cousiderable nnmbers. The river Wye and its tributaries contain excellent trout and saluon, and Builth is much resorted to hy anglers. The scenery aronnd the town is very benutiful.
(Jones, History of Brechnocl:hire; Cliffe, Book of South Wales; Land We Live In, vol. r., the Wyes)

BUITENZORG. [JAVA.]
BUJEIAH. [AxGERIE.]
BUKOWINA, sometimes written Buckowine, formerly a subdivision of Austrian Galicia, has heen constituted a crownland of the Austrian empire hy the Imperial Pateut of Decemher 31, 1851. It is hounded N. and N.W. hy Galicia, E and S. by Moldavia, and S.W. hy Transylvania Its greatest leugth from tho Dniester, which forms the northern boundary to the Moldavian frontier, is about 95 miles; its greatest hreadth from the junction of the Rakitna with the Pruth on the eastern border to the Czeremosz on the west near $45^{\circ} \mathrm{N}$. lat., $25^{\circ} \mathrm{E}$. long., is about 73 miles. The area, according to the imperial cadastral returns of 1850 , is 4014 square miles, and the population, sccording to the census of $1850-1$ was 350,826 .

The surface is almost entirely covered by high mountain ranges, offscts of the Carpathian chain. It helongs entirely to the basin of tho Danube, with the exception of a narrow strip along the Dniester. A great number of rivers take their rise in the Bukowina, tho largest of whicl aro the Czercmosz beforo mentioued, tho Screth, the Suczaw (a feeder of the Sereth), and the Moldawn The Bistricza, a feeder of tho Moldawn, crosses the southern angle of the Enkowina; and the Pruth traverses the northern district Along most of the rivers there is a good breadth of fertile land; but in many parts they flow through large marsbes. The district between the Pruth and the Dniester is almost entirely covered with onk forests. In the rest of tho crowaland there are extenaive forests of pine, fir, beech, and common woods. There is comparatively hnt a small proportion of the surface adapted for agriculturo; hut this is not neglected whero the soil admits of it. Corn and potatoes are grown ; also flax, hemp, aud pulse. Horned cattlo are reared in considerable zumhers Honey and wax are important products. But a largo proportion of the male population is ongaged in woodcutting and mining. Tho mineral products are silver, lead, salt, copper, and iron. Particles of gold are found in the sands of the Bistricza. The industrinl estahlishments comprise metal foundries and smelting furnaces, salterns, glass-works, potash factories, and brandy distilleries.

The Bukowina formed, until the patent ahove mentioned was issued, the circle of Czcrnowicz, in the eastcra part of Galicia. Its chief town is Czernowicz (pronounced Tchernowitch), which is situated on a hill on the right hank of the Pruth, 147 miles S.E. from Lemberg, and has about 7000 inlabitanta. The town is the residenco of a Greek bishop and a Greek consistory : it has a Greek cathedral and several other churches; a college; mannfactures of clocks, silver plate, hardware, and carriages; and an active trade with Germany, Moldavia, and Wallachia Among the other towns may be mentioned Suczawa, situated 43 miles $\mathbf{S}$. from Czernowicz on the river Snczawa, near the eastern frontier, which has fonr churches, a gymnnsium, a synagogue, and about 5000 inhahitants; and Serch, also on the eastern frontier, and abont midway luetween Czernowicz and Suczarwa. Sereth stands on the river of the same name, and has three clarches and abont 4000 iuhabitants.

The principal roads of the Bukowina divergo froma Czernowicz; one north-westward up the valley of tho Pruth leading to Lemherg, and another mouthward near the eastern frontier through Sereth and Sucrawa, whence it mins west up tho valley of the Moldawa and across the Carpathians by the Borgo Pass to Bistritz, in Transylvania The Bukowina was included iu Dacia; it fell successively under the Huns, Gutlos, Sarmatians, and Hungarians. Under the sway of the Hungarian kings it formed a dependency of Transylvanis till the 15th century, when it was cederl to Turkey and incorporated witl Moldavia In 1777 it was ceded by Turkey to the empress Maria Therean, governed for a few years by military regulations, and then aunexed to Galieis in 1786.

BULAMA. [BLssagos.]
BULGARIA, a country of Turkey in Europe, is bounded N. by the Danube, which separates it from the principalities of Wallachia and Moldavia, and from the Russian province of Bessarabia; E. by
the Black Sea; S. hy the crests of the Emineh and Khojah Balkan ; and W. hy the principality of Servia, from which it is partially divided by the Timok, a feeder of the Danube. The area is ahove 32,000 squaro miles, and the population according to the eatimate of 1844 was ahout $3,000,000$, the majority of whom are adherents of the Greek Church. The area is thus distributed, as nearly as we can ascertain :Pashalic of Silistria, including the territory of Varna, 13,000 square miles; pashalic of Nicopoli, 10,000 square miles ; pashalic of Widdin, 4500 square railes; and a portion of the pashatio of Sophia, 4500 square miles. These divisions however do not coincide with the present Turkish divisions of Bulgaria, which are Widdin, Nich or Nissa, and Silistre. We retain however the old divisions in our maps.

The Danube runs with many windings, hut in the general form of a how, with the convex side towands Bulgaria, all along the northern boundary to the mouth of the Sereth, whence it turns to the eastward and enters the Black Sea hy several mouths [Bessarabia; Danube.] Reckoning all its windings the river flows along the province for not lcss than 500 miles, and is navigable for steamers and large vessels all the way. It forms numerous small islands in its course and a delta at its mouth; and on hoth sides of the river at intervals are extensive marshes, which in the dry season are very unhealthy and infested hy mosquitoes.

The Balkau Mountains, the ancient Hæmus, rise on the southern frontier to ahout 6000 feet above the sea. They sink down rapidly on the south side; on the north the slope is more gradual. The chain is traversed by many defiles and passes. [Balkan.] From its crest numerous ramifications extend northward to the plain of the Danube. These offsets are generally well wooded or covered with rich pasture; and they are separated by valleys or small plains drained hy feeders of tho Danube. The principal of these rivers, commencing on the Servian frontier and procceding eastward, aro the Timok, the Ogust, the Skitul, and the Isker, which cross tho pashalio of Widdin; the Wid, the Osma, the Jautro (which passes the town of Tirnova), and the Lom, which traverse the pashalic of Nikopoli, sometimes called the sanjak of Rustchuk; and the Drista, the Taman or Jemurlu, and the Kara-Sn, which drain that part of the pashalic of Silistria which helongs to the basin of the Danuhe. The Kamtchik, which rises west of the Sclimno Pass of the Balkan, flows eastward through a longitudinal valley hetween parallel rauges of tho Balkan, and cnters the Black Sea between Cape Emiueh and tile port of Varna. In the mountains that screen the valley of the Kantchik on the porth is the town and fortress of Shumla. The most important of the other trihutaries of the Black Sea in Silistria is the Parawadi, which passcs through the marshy lakes of Devno aud falls into the port of Varna. The Parawadi River is ideutified by General Jochmus in his 'Notes of a Journey to the Balkan' with the aucieut Lyginos; and the site of Alexander's battle with tho Trihalli (B.C. 336) he considers to bo the isthmus between the two lakes of Devno, a little west of the village BuyukA ladin. Not far from the same spot, but ncarer Varna, is the site of tho great battlo fonght hetween the sultan Murad and King Wladislaus in 1444. Tho site is easily ideutified by two large mounds called Sandshak Tépé and Murad Tépe.

The const of Bnlgaria, or Silistria, from Cape Emineh, the eastern extrcmity of the Balkau, to Cape Kalakria or Gulgrad Burnu. north of Varna, is generally high; to the northward of this Inst poiut tho shore is for the most part flat, low, aud marsliy. The most important places along this coast are the city, port, aud fortress of Varna, and the little town and rondstead of Kustenjeh, which is only ahout 30 miles distant from the poiut whero the Danube makes the great bend to northward. It has heen lately proposed to cut a navigable canal across the isthmus, in order to avoid the tcdious navigation by the mouths of the Danube. Between the hase of the Baba-Dagh, an elevated mass in the extreme north of Silistria, and the sea lies the large lako of Rassein, or Razem, which is 35 miles long from north-west to south-east, and ahout 15 miles wide where bromlest. It is separated hy $a$ narrow strip of land from the St.Georgo mouth of the Danube, from which a little arm called Dunavitz enters the lake. The lake itsclf communicates with the Black Sea by two principal channels called the Jalova and the Portitcha mouths. On the west shore of tho lake is the town of Baba-Dagh, with 10,000 inhabitants, sevell mosques, and exteusivo salt-works. The fishery of the lake is important. At tho northem haso of the Baha-Dagh range, and on the right hank of the Danuhe, is the fortress of Issatscha, near which the Russians in 1828, and Darins about 2300 years hefore them, passed tho Danuhe. In consequeuce of the Russians having neglected to keep tho Sulina mouth of tho Danuhe in a navigahle state, attention has heen turned to the St. George mouth, which belongs to Silistria, but is hy treaty open to all trading vcssels, and to the war ships of Austrin and Russia. No vessel of any, size however can easily enter it, owing to the banks of mud which have accnmulated round its embouchure, and to the shallowness of the stream from the dcposits of the river. It has however been lately surveyed with the view to make it unvigable, and to frco the trade of countrics along tho lower Danuhe from the vexatious regulations of the Russians.

A considerable portion of the saujak of Sophia, now called by the Turks (wo believe) the pashalio of Nich or Nissa, forms part of

Thetgarie Thin district of Inlgaria extends southward to the point whern the Fiminch Balkan, the Deopoto-Dagh, and tlie Khojah Balkan meet nees the nource of the Isker and the Sulu Derbend, or Pase of Trajat. The Isker here trarerses a beautifnl plain, in which stands the populoan and well-built city of Sophia, famous for its hot aprings Into the plain from the north-west a high valley screened hy the Kbojah Ifilkan and Mount Tesorich opens; in its northern part stande the city of Nima, In a fertile country watered by the Nisenva, a fealer of the eavtern Mlornra. Near Nima ln the Tower of Skulls ereeted an a troplyy of victory gained over tho Scrrian by the Turks azder Kumurgee

The phina of Bulgaria are in gencral well cultivated, and the hillalopen are corered with vincyarde. On the Thracian side of the Ihalkan (excopting the valley of the Mariten) eultivation is generally enafined to the immerdiate clrcuit ef the rillages; hut in Bulgarin while trach are subdued by the plough, and largo quantitics of corn are produced by the imluatrous Inlubilanta. The largeat quantitios of corn are grown In Sillatria and in the plains near the Danube. A gool deal of fax, hemp, and tolacco are grown, large quantities wine are made, and fruite are ahundant. Roses aro cultivated very extennively for making perfumcs. Timber cut in the mountain foreste is Alomed down the rivers for oxport to the towns on the Danube For want of good roads howerer Bulgaria, like all other parts of the Turtish empire, has comparatively hut a limited trade. The IBulgarians however seem to enjoy a rude ahuadance; it is rave to see beggar, and their well-built dwellings, and neat fielda and gardens present a most favourahle contrast to the mud-plantened huts of wattlea and the neglected or rudely-cultnred eteppes on the Wallachian side of the Danube.

The soil of Bulgaris is in general fertile and well watered; the section between the town of Sietova and the Balkan howevcr is deficient in water, althongh it yields grass ahundantly. The hest cultiration in seen in the districts extending from the western part of the parbalic of Silistria ta the pashalic of Widdin: this regiou is inhahited chledy by Bulgarians, race always remarkahle for industry and for their pacific diaposition, notwithstanding their long oppression under the Turkinh fcudal eystem and the rapacity of the pashas. But the Tanzimat hes now put the Bulgarian on a level in point of law with the Turk (ln other respects he was always his superior), and the feudal syntem has been swept away; so that Bulgaria, at all times confessedly the beot cultivated part of Turkey, will probahly soon reach a ligh degree of prosperity and improvement.

That part of Silistria which skirts the Black Sea is sometimes called the paohalic of Varna, and is lnbnhited chiefly hy Turks and Tartars, who barely raino enough corn for their own cousumption, and aro chictly occupied in rearing cattle. The fine plain south from the Ihab-Dagh to the neighbourhood of Kustenje is inhabited hy Bulgarinna, and by a goodly number of Inasaina colonista from Bessarahin, who mise large quantitie of hard whent of very superior quality. In the reat of Siliatria the country in well cultivated thronghont, and gield an abondant muply of provisions of all kinda. Iard wheat of two kinds, dintiosurathed by the names of 'arnaut' and 'colons,' is grown very ahubdantly. Barlcy also of fine quality is cxtensivcly grown. The other crops are inaize, beans, and hemp, which in years of drought do not eucceel to Well. Sereral thoumand oxen are mlanghtered $\ln$ the city of Silistria for the tallow, which is scat to Constantinople.

The eaviern part of the paohnlic of Nicopoli is well wooded as far a the neighbourhood of Runtchuk; it also possesses abundant pastuage, and in onlinary years, when not risited by long droughts, it is vers protuctive ln corn. Wood for building and oak planks of auperior quality are exportol. Betwocu Rustchuk and Sistova the plain of the Dinube is oceupied densely and nolcly by Bulgariank, and jrumente a fertile and pleaing mprect Bewides corn the chicf products are kownp, Aax, athar of romes, and tallow. Sistova is considered the apital of the Bulgariann; it in one of the most important towns on the right tank of the Danube, and carries on a considernhle trade wish Wiallachin Wi warl from Nicopoli, and throughont the greater pert of the gablio of Widdis, the country is moro thinly pcopled, hatication leing met wlth only where there is water, and agricul. toral prodmee is minad merely mufacient for the local consumption. The plais of the Imautbo here pertaken of the naturo of a steppe, and coluvaiting prevalla more In the mountniuous dintricta. Indeed the culuivation of com for export wan long effectually checked in this part of Thalgerin by a merictire mernem, hy which the farmers could not mell their nurgiu muluce without the maliain permindon, and at a price fend by him. Somatimen the peala appropriaterl the surplus in hlmelf, cround it at hif own mill, and chen forwarded it for male to Contantimppla. Thee rebulation have been very lnjurious to maanfacturef gools impertal from Austris

The callow ircls cauar the rearing of large numbere of cattle in Thlgeria lange herin of oxem to the number of 40,000 or more are anteman, In the nolghbourheorl of Varna, Silistria, Ikutchuk, and oober cowna, for their hirlem and fat: for beef in aeldom eaten ly thie
Mouleus, whom favourite animal food to mutton and goat. There in Modems, whom favourite animal food fornton and goat There in

Owing to the dificultion, tedionmess, and oxpenso of the river nswigation, and rexatiounness of the Inueian quarantine regulations, tho cora and other products of Bulgaria are generally brought by landcarringe to Varna for export even from the plain of the Danube. Corn howover for cxport to Constantinople is frequently conveyed in "kirlaches, or Turkish lightem of from 30 to 100 tons, which aro very numerous on the river, to Matzin, a small port opponito Brailoty, and thene embarked in larger vessels. From the roadstead of Kustenjel also large quantities of corn aro occasionally cxported; but the exposed condition of this port since the destruction of ite mole (built hy Constantine the Great) is a grast obstacle to its trade. Its position however has boen at all times considered of great importance, as it is only 30 miles diatant from Czernawoda on the Danube. A canal wns - projocted in 1837 to unite the two pointa, aud to give a shert and direct ronte to the Darube trade by avoiding the great uortheri hend of that river, and the intricate shoals and mud-hanks in its mouth. This project has been receutly revived, and will probably be oue day executad.

Besides horned cattlc, including huffaloes, Bulgaria renrs a great many horses of inferior hreed, shecp and goats in great numbers, and swinc for the consumption of the Christian part of the population: pork to the Moslem as to the Jew is an abomination. The manufac tures of the country are all of a coarse description, and for homo consumption. The imports are manufactured goods, coffee, spices, sugar, salt, \&c.

The principal towns of Bulgarim are descrihed in this work uuder separate heads:-Widdis, Nicoroli, Sistora, Restciuk, Silistria, Rassova, Tiryova, Sophia, Varsa, Kustesjeh, Shumla, Nissa, \&c.

Bulgaria comprises the greatcr part of ancient Moesia, which was occupied in the time of Darius hy the Getre, and iu the time of Alexander hy the Trihalli. It is a very interesting country for its lisistorical associations, to illustrate which thero is great neod of cnlightened exploration. Gencral Jochmus, in the work alrendy quoted, has thrown great light upon the history of the expeditions of Darius and Alexander in this country. IIe suppuses Darius to have crossed the Balkan by the pass to the north-wcst of Mesomhri, and to have marched northward to Issatscha hy the same route that MarshaI Diehitsch led the Russians in an opposito direction in the campaign of 1828. Alexander, he says, fought the action with the Thracians at the foot of the defile of the Balkau to the uorth of Aidos; theuco crossed the defle to the Lygiuos, near the town of Parawadi; and after his victory over the Tribnlli, before mentioned, marched in three days to the Dnmue, which lie is supposed to have crossed at or near Silistria, for the purposc of attacking the Getre. Bulgaria coutains somo Roman remains: tho great Romau rond conuocting Trajan's Bridge over the Danube with Dyrrachium on the Adriatic crossed the vallcy of the Timok, the ancient Timacus, above Widdin, and is still in parts entire. On the road from Shumla to Rustchuk uminerous ancient mounds covered with forest-tress are passed at a place called Lazgarat, markiug no doubt the sito of some great ancient battle.

Mocsia was origiually inhabited hy a Scythic or Slavonic peoplo. It was suhjected by M. Licinius Cransus about B.c. 29 to the Romans, who huilt ontrenched campsalong the Danuhe; one of theso is atill visible near Widdin. In the 3rd century it was invaded hy the Gotha, whose incursions were not thoroughly clsecked till the time of Aurelian, who planted several Roman colonies in the province. It wras next overrun by the Visi-Gothe, to whom Thcodosius I., after the defent and death of Talens at the great battle of Adrianople in A.D. 378 , ceded the country; and a part of those who settled in the western part of It are known in history as the Mocso-Goths In the Gtlo century Slaroninn tribes spread orer Lower Mcesia, and in the 7 th century Upper Monsia was given by Heraclius to the Serbs aud other Slavonic poople, to protect the empire ln that direction against the Avara,
The Bulgarians, Tartar people from the banks of the Volgn, subdued the Slares of Lower Mocsia ahout tho middle of tho Tth century; hut became in a sloort time so blended wlth the Slavouie part of the population, that before the commencement of the 9 th century they land sidopted the Slavonic language and customa, the name of the race which gave its designation to the country alone remaining. They wero governod by klags who put themselves under the protection of the Greek emperors. This alliance however they renounced ln 1185, their klog Aman remarking that the Groek empire nceded protection znoro than lBulgarin. Isong warm with II ungary desolated the conntry between tlis and the 13 th century, when Iulgaria was sulyjugnted by Steplen IV. about the time that the Turks made their fimt appearance in F'urope. In 1392 the Turk: made thn Bulgarian king Susman primoner, and the people lost their independenca. Thero are many Bnlgarian colonies in Thrace and in the countrics along the left bank of the lower Danubo.
In consequence of the Russian occupation of the principalities of Moldavis and Wallachio in 1853, the line of fortreases along the left bank of the Danube and the defiles and fortresses in the Balkan range were occupied hy a large Turkish army, dirisions of which crossed the Danube opposito Kalafat and Oltenitza, and obtained some advautages over the Rusxiana.
(Arrian, i. 1-5; Herod. iv.; Dictionary of Greek and Roman Biography: Gencral Jochmus, Notes of a Journey to the Balkan, 1853 ; Macgregor, Commercial Statistics: Hrontier Iands of the Christian and Twri; Úbicini, Lettres sur la Turquic, I’aria, 1853.)

BUNBURY. [Western Australta.]
BUNDELCU'ND, or BOO'NDELA, a division of the provinee of Allahabad, in Hindustan, lies between $24^{\circ}$ and $26^{\circ} \mathrm{N}$. lat., and $77^{\circ}$ and $82^{\circ}$ E. long. This territory is bounded N. hy the river Jumna E. by Baghuleund, S. by Malwa and Berar, and W. hy the posses sions of Seindia. In its form Bundeleund is an irregular parallelogram its greatest length is in the direetion from south-east to north-west its area is nearly 24,000 square miles: the population is about $2,400,000$. There are three ranges of mountains in Bundelcund, whieh extend in continuous lines parallel to each other. One of these ranges, whieh forms part of the Vindhyan ehaiu, is less sterile and rugged than the part of the same chain which passes througln Bahar. On the summit of this range a considerable extent of table-land occurs, which is 1200 feet ahove the level of the Gangetic plain. The second mountain range, called the Panna Ghauts, runs parallel to tho Vindhyan ehain at the distance of about 10 miles. The third range, called the Bandair, occurs at ahout an equal distanee heyond the second to the north-west, and comprises the most elevated part of the provinee. The soil of Bundeleund presents a very great variety. The valleys and lowlands consist principally of rich black loam: the hilly eountry and clevated table-land are in great part composed of poor and sterile soil. The fertile tracts, when assisted by irrigation, produce abundant harvests of every kind of grain and plant that is eultivated in Hindustan: tho principal produce of the poorer lands is millet. Iron is found anong the hills, where also cateehu, or terra Japonica, is produced in abundance. The prineipal rivers of Bundelcund are the Betwah, the Desan, and the Ken or Cano. Neither of them is navigable. There are iu different parts of tho eountry some very largo reservoirs for purposes of irrigation.

The prineipal towns aro Banda, the capital ; Bejour, Jeitpore, Jhansi, Clatterpore. Callinger, and Tehree. Banda is situated in $25^{\circ} 30^{\prime} \mathrm{N}$. lat., $80^{\circ} 20^{\circ} \mathrm{E}$. lung., ahout 00 miles W. from Allahabad. This town has much incrensed of late years. The cotton brought for salo to its market is of smperior quality. Bejour is in $21^{\circ} 38^{\prime} \mathrm{N}$. lat, $79^{\circ} 27^{\prime} \mathrm{E}$. long. Jeitpore is in $25^{\circ} 17^{\prime} \mathrm{N}$. lat, $79^{\circ} 32^{\prime}$ E. long. Jhansi, the capital of a petty Boondela state under Britiah protection, is situated in $25^{\circ} 32^{\prime} \mathrm{N}$. lat, $78^{\circ} 34^{\prime} \mathrm{E}$. long This town is tho centro of an active trade carried on between the Deccan and the towns of the Doab : it contains a censiderable carpet manufactory; and largo quantities of the warlike weapons used by the Boondela tribea, such as hows, arrows, and spears, are made here. Chattespore, in $24^{\circ} 56^{\prime} \mathrm{N}$. lat., $79^{\circ} 35^{\prime}$ E. long., is ahout 135 miles W.S.W. from the city of Allahabad: it has much decayed of lato years. The manufacture of coarse cotton cloths, used for wrappers is earricd on. Callinger, a fortified town in $25^{\circ} 6^{\prime} \mathrm{N}$. lat., $80^{\circ} 25^{\prime} \mathrm{E}$. long., stands on a lofty mountain, the hase of which is 10 miles in circuit. The walls include the whole sumnnit of tho hill, and are composed of rough uncut stones. Telerce, or Teary, on the north-west fronticr of Bundelcund, in $24^{\circ} 45^{\prime} \mathrm{N}$. lat., $78^{\circ} 52^{\prime} \mathrm{E}$. long., is the residence of a Boondela chief or raja, who possesses several villages, and has a considerable revenue.

The British connection with tho ehiefs of Bundelcund originated in an arrangement coneluded with tho late Peishwa on 3lst December 1802 The Bundeleund states are thirty-three in number: of these states fire are proteeted and tributary, including an area of 4476 square miles, with a population of 399,500 : their aggregate annual rcvenue is about 183,4646 . ; the amount of trihute about $10,388 \%$; the military foree maintained by them amounts to ahout 9500 men. The other states, numhering twenty-eight, have in the aggregate an area of 6450 squaro miles, a population of 650,300 , and a revenue of 316,6586 Their military resourees inelude 261 artillery, 2380 cavalry, and 20,975 infantry. The Nawauh of Banda, a descendant of the former governors of Bundeleund, has no bereditary dominions, but receives an allowance of four lacs of rupees ( $40,000 l$.) per annum from tho British govermment, and maintains a force of 69 artillery, 167 cavalry, and 207 infantry.

IBUNDER ABBAS. [Gombroon.]
BUN゙GAY, Suffolk, a market-town in tho parishes of Holy Trinity and St. Mary's, Bungay and hundred of Wangford, is situated on the Waveney, which swecps round the town in the furm of a horse-shoe, and hero separates Suffolk from Norfolk, in $52^{\circ} 27^{\prime} \mathrm{N}$. lat., $1^{\circ} 23^{\prime}$ E. long.; 40 miles N.N.E. from Ipswieh; and 109 miles N.E. from London hy road; Diss station of the Eastern Union railway, which is $16 \frac{1}{2}$ miles from Bungay, is 111 miles from London. The populatiou of the town in 1851 was 3841. Tho living of Holy Trinity is a vicarage; that of St. Mary's is a perpetual curacy; they 'are in the archdeaconry of Suffolk and diocese of Norwich. Tho two parishes of Bungay are united for poor-law purposcs, hut are not under the operation of the Ioor-Law Amendment Act.

The town of Bungay was in ancient times dependent ou Bungay Castle, which is supposed to havc been erected hy the Bigods, the Norman earls of Norfolk. Some ruins of the castle-walls remain. Of the ehancel of the old church of St. Mary some vestiges aro still atanding; and adjoining thereto are the remains of a Henedietine nunnery. Two crosses formerly stood in the market-place. Of these one was taken down in 1810 ; the remaining one is erowned with a figure of Justice. Tho church of tho Holy Trinity is an nneient edifice with a ronnd tower, supposed hy somo to tho of tho time of

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Edward the Confessor. St. Mary's chureh, though said to have been built ahout 1696, has a north aisle, with a beautiful exterior and a fine west window, whieh prohably dates from the early part of the 15th eentury. The Roman Catholics, Wesleyan Methodists, Independents, and Baptists have places of worship. The Endowed Grammar school, founded in 1591 had an income in 1837 of 577 . a year. The appointment of the master is in the gift of Emmanuel College, Cambridge. There are National and British schools; a savinga hank; almshouses for 15 persons : and several eharities. Five of tho almshouses were erected and endowed in 1848 by a Mrs. Dwyer, "for the widows of unfortunate tradesmen ;" the same lady also bequeathed $500 l$. to each of the two parishes, the interest to be expended annually in warm clothing at the discretion of the minister and parochial authorities. A dispensary and a lying-in charity are supported hy voluntary contrihutions; also two clothing soeieties. The streets of Bungay are well-pared, and the town is lighted with gas. In consequence of au extensive conflagration by which Bungay was nearly destroyed in 1688 , the houses are generally of modern date. A huilding formerly a thentre is now used as a corn-exehange on week days and a Baptist chapel un Sundays. A considerahle trado is carried on in eoals, malt, grain, and provisions, the river Waveney heing navigable up to Bungay for small barges. The market is held on Thursday; there are anoual fairs on May 14th and September 25th. Near the town is a large silk-mill; there are also paper- aud flour-mills and malt-houses.

## BUNKER'S HILL. [Boston.]

BUNTINGFORD, Hertfordshire, a small town, and the seat of a Poor-Law Union, chiefly in the parish of Layston and in the hundred of Edvinstree, is situated in $51^{\circ} 57^{\prime} \mathrm{N}$. lat., $0^{\circ} 1^{\prime} \mathrm{W}$. long. distant 12 miles N. by E. from Hertford, and 31 miles N. from London by road. Ware station of the Eastern Counties railway, whieh is 10 miles from Buntingford, is distant 241 miles from London. The population of the parish of Layston in 1851 was 1220 . The living is a vicarage held with the perpetual euraey of Buntingford, in tho archdcaconry of St. Albans and diocese of Rochester. Buntingford Poor-Law Union eontains 16 parishes and townslips, with an area of 29,040 acres, and a population in 1851 of 6590 . Buntiugford ohtained the grant of a weekly market in the reign of Edward IlI. The market was held on Monday, hut has long been discontinued. The ehapel at Buntingford is a hrick edifice erected in the early part of the 17 th century. The Indepenclents have a place of worship. The Grammar school founded in 1633 has an income from endowment of ahout $50 l$. a year, and had 18 scholars in 1851. It has four exhibitions at Christ's College, Camhridge, of 12l. eaeh, tenahle for seven years. There are National and British schools, a School of Industry for girls, and a savings bank. An hospital provides for four poor men and four poor widuws.

BUNZLAU, JUNG, the capital of the circle of Buuzlau in Bohemin, is situated 30 miles N.E. from Prague, ou a hill, the base of which is skirted by the Iser; and contains about 5100 iuhabitants. It is well huilt, and has a handsome town-hall, a castle now used for harracks, six cliurches, some of them handsome structures, two mo nasteries, a Piarist gymnasium, a high sehool, an hospital, and besides an extensive cotton factory, manufactories of woollens, leather, soap, \&c. It is said to have heen founded hy King Boleslaf in 975 ; at least its Bohemian name of 'Mlada Boleslaf' is derived from that monarc'. $50^{\circ} 23^{\prime}$ N. lat., $14^{\circ} 55^{\prime}$ E, long.

BUNZLAU, a town in the government of Lieguitz, in Prussian Silesia, lies on the Bober, 25 miles by railway $W$. by N. from Liegnitz, and is surrounded by a douhle line of walls and a deej ditch; it possesses three churches (one Lutheran and two Roman Catholie), an orphan asylum and school, an hospital, a seminary for teachers; and manufactures of woollens,linens, stoekings, earthenware \&c., and has well-frequented markets for horses, cattle, and grain. Population 7000 . Mueh earthenware is exported. Topazes, agates, chalcedonies, and other valuable stones are found in the neighhour hood. A cast iron obelisk in memory of the Russian geueral Kutusoff, who died here in 1813, is erected in the market-place.

## BURA. [Achea.]

BURBURRA. [BERBERRA.]
BURDWA'N, one of the 17 distriets into which the provinee of Bengal is politically divided, is situated to the west of the river Hoogly, between $22^{\circ}$ and $24^{\circ}$ N. lat., $87^{\circ}$ and $89^{\circ}$ E. long. Burdwan is hounded N. hy Birbhum and Rajshahy, W. hy Midnapore and Ramghur, S. by Midnapore and Hoogly, and E. hy Hoogly and Nuddeah. Its area, whieh is computed at 2400 square miles, is covered with a dense population, supposed to he ahout $1,500,000$, of whom five-sixths are Hindoos. The district of Burdwan, which forms part of the valley of the Ganges, is a level tract. The priacipal river flowing through it is the Dummudah, which is navigable only for a short time during the rainy seasou. The greater part of the soil is very fertile, and produces ahundant crops of sugar, indigo, betel, tobacco, and cotton, besides the cereal grains usually cultivated in Bengal. A considerable quantity of silk is likewise produced. Compared with the surrounding districts, Burdwan has the appearance of a garden. The native zemindars are generally wealthy; the more considerahle of them usually reside in Calcutta, leaving their properties to the management of resident agents. The Raja of Burdwan is the most considerable zemindar under tho Bengal presidency, his
agmal jusmme or rent, smounting to $\$ 0$ lacs of rupees $(400,000 \mathrm{l}$ ), which nuount in mald to be leve than one-half of the sum collected by him from his tenanta These tenauts form a aumerons class, who, Whe the enidelomen in Irelan l, have diviled thelr holdinga among eolusmanta, meerving a probbrent to thomactron, Comb-mines hare beed workel in thil divtrict for muny yenm, bnt the operations have not been estensira. The estent of thy conl-dield has not been ascorLaisid, but in known to be great; the inines now worked aro in the poneenion of an liagllas ompmer, whowe rights exturd over $\frac{4}{4}$ miles of enfeca. Tho ceatr io 0 feet thick, and is found 80 feet below the aurface Tho coal in broughs down the Hoogly to Calcutta, but it is of rery laferior quality. Iron ore, and stone muitable for bnilding are aleo oblaimed. The town of Ibundiean, tho capitai of the district and the revidenes of the Mritioh ergent, is situated in $23^{\circ} 15^{\prime} \mathrm{N}, \mathrm{laL}, 87^{\circ} 57^{\prime}$ P. longe, about 60 miles north-uorth-weat from Calcutta. The Raja of lurdiman reaile in tho town, in which he has a palace with large gandeta

13URPFORD, Onfondnhire, a zanrket-town in the parish of Burford end hawdrod of Bawpton, is rituated on an ascent on the right bank of the siver Windrual,, in $51^{\circ}+5^{\prime}$ N. lat,, $1^{\circ} 39^{\prime}$ W. long., distant 18 tulle W. by Ni. from Oxford, and i2 miles W. by N. from London. The population of the township of Burford in 1851 was 1593 ; of the eatire larish 1819 . The living ln a vicarage held with the perpetual curacy of Pulbrook in the archdeaconry ant dioceas of Oxford.

Burford was in 752 the scene of conflict between Cuthred, king of Weace, and Ethelbald, king of Mercin; Ethelbald was vanquished, and him standand, agolden dragou, taken. The ncene of the engagemeat ls still called Battlo Eidge. Tho town had a charter of incorporation from Ilenry 11. A corporate officer retrining the mamo of alderman ha for the most part the management of the affaims of the town. The market chiefly for corn is held on Saturday; and there aro throe anmual fnim. T'he county magistrates hold petty sessions in the town. Hurforl posseases a savings bank.

IVurford church, dedicated to St. John the laptist, is a commodious cruciform ntructure, chiedy perpeudicular; it has a central tower of forman date, surmounted with a spire in the perpendicular style. The roof of the navo, now much mutilntod and altered, bas beon of remarkably fine wood-work. The Baptists and Wealeyan Methodista havo places of worabip in Bnrford. There are a National school for girls and a mehool for young boyn. The Freo Grammar scbool founded in 1571 has an incomo from enclowment of 852 . a year ; the number of acholars in 1351 was 32 . Thore is a parochial library. Many of the housea in Burford aro ancient; some of them are interesting to the archevologist asd archltectural student. There was formerly a small priory or haspital in Burford parish, dedicated to St. John the S.rangelint: its aite in now occnpied by a mansion called 'the l'riory, Intereting in having belonged to Lond Falkland, and to the Speaker Lenthal. The prenent imnsion contains some valuable historical portrita by 1 olboin, Vandyke, and Cornelius Jansen.
13URG, town is Prusnian Saxony, is situnted on the Ihle, 64 miles Kiv. from Merlin, 16 milen by railway N.F. from Mlagdeburg, and hen about 15,000 inhabitants. It is surrounded by a wall with fire gatet, containe threo nquarem, threo Luthernn churches, ono Calrinist church, a clric school, an hospital, and apoor-houso. In 1517 the popalation wan 9101. Burg lam been famous for many centurieg for ite exteativo woollen manufacturem Many of its factories are work od by nteasn power. Fngineering factories for the fabrication of machinery and millwort haro been rocently established. Yarns and linem, pottery, Acc, are mado; it han also somo tanneries and dyo work, mad a brink wool trade. Agriculture, Including the growth of inbaceo, hopm, and chicory, and the reariug of cattle and aliecp, are centel om la the immediate environe

BLFRODORF: (Brms.]
IfU18G11. [Liscolsisishe.]
BURGII CASTLF: [SETrotax]
HIYRGOS, a city of Spmin, capital of the ancient kingdom and 1 movisece of Cantilla la Vieja (Old Curtile) and of the modern province of Thrges is situmed on the northern or rigbt bank of tho Arlanzon, an whluent of tho lisnerge, in $12^{\circ} 21^{\prime} \mathrm{N}$. Iat. $3^{\circ} 12^{\prime} \mathrm{W}$. long., 110 milen s. from Madrid, by the med. It is the see of an arch binhop, and If the revidence of a enpiaingeneral. The population is about 12,000 .

Huresin is brilt partly at the foot and partly on the acclivity of a ragrod hill, which in crowned by tho kecp and other remaing of the andent eanle now forming rmat of the foriffcations constructed by the Freseh daring the I'eninnuiar Wius. Three stone bridgas cross the Hirer, and counect the city with tho Barrio de la Vega (Suburb of the Plaim) ant the publie walk and ganlens on the len benk. The Hapolon (Fimplamelle) comants of handsome modern housen, and extende alone tho right bank from the ligheat bridgo, the luento do than Pablo, to the contral bridge, tho I'uente do Santa Marin, where the nodu from 3lalrid and Yalladolid unite, and cromsing the briclse enter the cily by the arched gate of Santa slaria. Theuce the prisefpel and widest street acceorla the hill to the principul guare, the llam Magor, ln which wre the cathoiral, tho arch. biaborid paleas ond the townehall (Cuse de Ayuntamiento). The oity furme an lrregular memicircle, with conaiderabie portion of the old walls atll stending toward, the river front. Tho streote are movely marrow, enooked, and dark; but the Calio Alth, Calle de San

Lorenzo, and other streots above tho Plaza, Mayor, aro wider, and contaiu nereral of the half-fortresn mansions of the old nobility, nueh as that of the Constable of Castile, in tho Plazuela do La Libertud, with ith towers, arus, sual rope over tho portal, wheuce it is called tho Cama del Cordon (llouse of the 1Rope). A structure called lol Solnt del Cid marks the site of tho honso occupiorl by the Cid Ikdrigo Diaz de Vibar, who, as the inscripition on it reconla, was born fin 1020, and diad in 1093, in the city of Valonein. His remains how. ever wero interred in tho monastery of San l'edro de Carlena, two or three miles from Burgos, whers the statuo of the Cid inountorl on his charger Babiceo surmounta the cutrance-gateway. A short distance below the eity a branch of the Arlanzon seprates itself from the main stream, and sweeping round rceutera it, thas forming La lsia (the lsland), which is lnid out in public walks and pheasure gardens. The loweat bridgo across tho Arlanzon is called the Puente do la Merced (Bridgo of Mercy), and thero are two small bridges cross the branch-stream to La lsla, A stream callod la Vona euters the Arlanzon a littlo abore the city, and a small strean, El l'ico, divided into watercourses called lisquevas, trarerses and cleanses the strects. The fountains aro abuulantly supplied rith good water.
The archod gatewry of Santa Maria (El Arco de Santa Maria), massy and battlemented, is crowned by a statue of tho Virgin Mary, seated, with a child on her knees. In tho centre of the llaza Mayor is $n$ bronze statue of Carlos 111. This square has an arcule rumuing along three of the sides, with small bhops bennath and handsome honses abore. The Plaza Mayor however is too small to afford a good view of tho enthedral, whiel is beaides much oncumbered with houses Tho cathedral is very large, aud one of the finest works of gothic architecturc in Spain. It was commeuced in 1221, and is of various styles, but mostly florid. The two weatern towers are surmounted by spires of the most delicato open work in stone, almost trausparent, and looking like lace that tho wind might blow awny. These towers were built about 1400 by Juan de Colonia (Cologuc) and his son Simon. The central octagonal tower, which surmounts au interior cupola, rising 180 feet from circular buttrenses, was completed in 1567, the original cupola and trausept laving fallen in 1539. This tower ls elnborately ormamented, and has numerous pinnaclan. A maguificent rose-window surmounts tho western entrance, with a gallery beneath, but tho deeply-recessed triple rloorway bas been removed and replaced by modern work in bad taste. The cathodral contains seven or cight large chapels, ono of which, the Chapel of the Coustablo (Capilla del Condestable), is a church of itself, with a tower choir, and chapels, all of beautiful florid gothic. This chapel was erected as the burial-place of the Velasco fanily, the hereditary coustable of Castilc. The interior of the cathedral is much crowded by the lofty choir, with its roja, or miling, the cliapela, organs, arch bishop' throne, retablo of the grand altar, carvod stalla, and tombas. The chapels, as well as tho cathedral, aro full of sculptire, much of it in the national painted style, by the Hayas. Tho cloisters belong to the same period as tho two Festern towers, that of linrique 111. They are perfect in design, in proportion, and in ornament, and contain screral momments adorued with interesting sculptures. Thero are other churehes well worth iuspection, among which that of San Estcban ls distinguished by its rich fagade, and tho Dominican church of San Pablo for its fine cloistors.
Burgos contains several hospitals and other cbaritablo establish. ments ; among which may be mentioned the thrce united hoapitals of San Junn, San Julinn, and San Quirce, the llospital del liey, tho Hompital Militar, and the llospicia y Casa de Fpúnitos It contrins also a theatre, a muscum, and a prison. Among the educational institutions are the lustulto Superior Burgales with 20 professors of sciences, arts, and languages; the Colegio de San Nicolas, in the suburl of the Vega; and four primary schools in the city, which give gratultous initruction to sbout 350 ncholars.

In 1845 there wero 80 looms employed in making woollen goods, and 140 loom in making linen goods; thero were 14 shope employed in maklug articlen of leather, nuch as anddies and bridles, \% hat mann factorien, 14 flonr-mills, \& chocolate-milhs, aud a large paper-nill in the nuburb of the Vegn. Tho chief support of lingos however arimen from ita leing on the great road to Mairid from Firance and the northeru provincen of Spain.

In the neightuourhood of Burgom aro the Carthumitu convont of Mirafloren, 1411-1488, of very fine Morld gothic architeoture, rud tho mmmery of Santa Blariala lieal, commouly called Lan liuelgas, beeanse built in samo 'gardens of recruation' which belonged to Alonso V111.

Burgon was founded in the year 884 by Diego de l'orcelon, who enected the cartle os a meana of rlefence against the \$loors. The town grew up boneath the castle, tho citizesa became powerful, and electod judgoe to govern them, among whom were Lain Calro and others who aro mentioned in the old balladn. It afterwards becano a lnrge city with from $\mathbf{\$ 0 , 0 0 0}$ to 50,000 inhabitanis, and shared alternately with Tolerfo the honour of being the rasidence of the counta, conntablen, and kingn (the condés, conclestablen, and reyes) of Castilla. Whea Charlea V., in the begianing of tho 16 th contury, removed the court to Madrid, Burgos lost its importance, and its populatiou immedlately began to diminish. In 1812 the fortrems was besieged by Wellington, who, after four assaults, which all failed, retreatod before the advancing lrench arny to the aeighbourhood of Ciudad

Rodrigo, where he remained in winter-quarters till the spring of 1813, when he commenced his great campaign against the united French armies of the south aud centre, took the fortress of Burgos, fought the battlc of Vittoria, and drove the invaders over the Pyrenees.
(Ford, Hand-Book of Spain; Hoskins, Spain as it Is, 1851 ; Widdrington, Spain and the Spaniards, 1844; Mudoz, Diccionario de España.)
BURGUNDY. [BoURGOGNE]
BUlkLINGTON, United States, the capital of Chittenden County, State of Vermont. is situated on the left bank of the Wouooski, or Onion River, at its entrance into Lake Champlain, in $44^{\circ} 27^{\prime} \mathrm{N}$. lat., $73^{\circ} 10^{\prime} \mathrm{W}$. long., distant 440 miles N.E. from Washington. The population in 1850 was 7505 . The streets are regularly laid out, and intersect at right angles: in the centre is a spacious area containing the courthouse. Many of the dwelling.houses are substantial and handsome. Besides the county buildings and several churches and schools, the chief building is the University of Vermont. Tbe University was founded in 1791; it has 7 instructors and 107 studenta, with a library of 13,000 volumes. The amount of tonnage of vessels trading from Burlington was 4530 tons in 1850, of which 3006 tons bclonged to steam vessels. In the foreign trade in 18 19-50 there cleared from the port 342 ressels of 82,856 tons; the entries for the same time amounted to 404 vessels of 99,435 tons. A railway 43 miles long from Burlington to Rousse's Point affords facilitios for communication with Canada In the vicinity of Burlington are several manufacturing villages.

BURLINGTON, U.S. [New Jersey.]
BURLOS. [EfYPT.]
burman empire. [Birman Empire.]
BUR NIIAM. [BUCKINGhamsmere]

## BURNHAM WESTGATE. [No3FOLE]

BURNLEY, Lancashire, a manufacturing and market-town and the seat of a Poor-Law Unicu, in the parish of Whalley and hundred of Blackburn, is situnted iu $53^{\circ} 47^{\prime} \mathrm{N}$. lat., $2^{\circ} 14^{\prime} \mathrm{W}$. long., 36 miles S.E. fron Lancaster, 210 miles N.N.W. from London by road, and 219 miles by the North-Western railway viA Trent Valley. The living is a perpetual curacy in the vicarage of Whalley, archdeaconry and diocese of Manchester. Burnley Poor-Law Union contains 26 parishes and townships, with an area of 44,378 acres, and a population in 1851 of 63,870 .

The town is pleasantly situated, chiefly in a narrow vale, forming a tongue of land on the banks of the l3run or Burn, from which it derives its name, about a mile and a half abore the confluence of that river with the Calder. Many remains of Roman antiquities-coins, pottery, and nrus contnining ashes and calcined boncs-have been discovered about the place. Some Saxon remains have also been found; and at a small distnnce cast of the town is a place callod 'Saxifield,' which tradition has marked as the scene of a battlo in the times of the heptarchy. Adjoining the town and near tho church is an ancient cross.

Though an old town, the greater part of Burnley is of recent erection, aud the houses are chielly built of freestone, which is found in the neighbourhood. The town is well lighted with gas, aud has a good supply of water.
The parochial chapel of Burnley, dedicated to St. Pcter, has undergone much alteration: the preseut edifice had orivinally four chantries, namely, the rood altar, placed upon the rood-loft at the entrance of the cloir, now removed; the altar of St. Peter ; the altar of St. Mary; and the altar of St. Anthony. It combines various styles of architecture. The chapel of the Virgin Mary contuins some shields of arms, and a monument to the memory of Charles Townley, Esq., whose collection of marbles is now in the British Museum. The new church of St. James was consecrated in 1842. The Wesleyan Association and Primitive Methodists, Independents, Baptists, and Roman Catholics have places of worship. The Romnn Catholie chapel is a large and handsome building, consecrated in 1849.

The Frec Grammar school in North Parade, founded about 1650, has an income from endowment of about 150. per annum, nnd had about 40 scholary in 1851, under the care of a head aud a second mastcr. The school has an interent in 13 scholarships in Brabeuose College, Oxford; but from disuse this interest has in effeet becn forfeited. 1 n a room over the schonl is a valuable library, left by the Rev. Henry Halsted, rector of Stansfield, for the use of the scholars. The lier. Dr. Whitaker, the learned master of St. John's College, Caubridge, and the historian of the 'original parish of Whalley,' received his early education in this selneol. There are several National, Jritish, and other schools, inclnding a Roman Catholic sohool, Several Lencrolent institutions are maintained for the benefit of the nick and the indigent A mechanics institution and reading room is in St. Jamen's Street, and a Chureh of England literary institution is in Market Strect. There is a aavings bank. The chief building in the town for public purposes is the court-house, situated in Keighley Grcen; it serves for a county constabulary station, a magistrates' -room, and a room for public meetings, lecturen, and exhihitions. There are two markets; one lield on Mondays in the priucipal streets, and another on Saturdays in the new market-place, which has accommodation fur tho vendora of ment, fish ruit, and vegetables. A connty court is held in Burnley.

The trade of Burnley was formerly confined to woollens; but the cotton manufacture is now the staple. There are some extensive cottcn-spinning and wearing mills, one or two calico-printing establishments, three worsted mills, four corn mills (one of them very large), irou foundries, machine-making works, brass foundries, roperies, tanneries, breweries, and collieries.
The Leeds and Liverpool Canal, which nearly surrounds the town, affords communication for the conveyance of goods across the whole line of country from the German Ocean to the Irish Sea. Besides its manufactures Burnley sends coal, freestone, and slate from the vicinity. The East Lancashire railway passes through Burnley on its way from Bury to Colne. A branch from Burnley to Todmorden connects it with the Lancashire and Yorkshire rail way.
BURNTISLAND, Fifeshire, Scotland, a town, royal burgh, and seaport, in the parish of Burntisland, on the north or left side of the Frith of Forth, is situated in $56^{\circ} 4^{\prime} \mathrm{N} .1$ lat., $3^{\circ} 13^{\prime} \mathrm{W}$. long., about $5 \frac{1}{4}$ miles nearly due north from Leith : the population of the royal burgh in 1851 was 2329, of the parlinmeutary burgh 2724 . Thu burgh is governed by 2 bailies and 10 councillors, of whom one is provost; and unites with Kirkaldy, Dysart, and Kinghorn in returning one member to the Inverial Parliament.

Burntisland was made a royal burgh in 1568. At the Geveral Assembly which met here in 1601 James VI. took the onth to the Covenant. The towu was fortified in the reign of Charles I., and besieged and taken by Cromwell, who repaired and consideratly improved the harbour. The town chielly consists of two parallel strcets terminated by the harbour on the west. The harbour is deep, and well sheltered. Being now the principal ferry station, the towu bas much increased of late years. There is a good dry dock; and on the eastern pier is a lighthouse, the light of which may be seeu a distance of seren miles. Burntisland formerly possessed a cousiderable trade. About 1656 there were twelve ports, iucluding St. Andrew's and the now extensive port of Kirkaldy, which were subordinate to Burntisland. For many years past its traffic has beeu confined to that urising from the curing of herrings and from distilleries in the neighbourhood. Ship-building is carried on. There is daily steam commuhication with Giranton on the opposite const, and the Edinburgh and Northern railway opens up a direct communication with the wholo north-east of Scotland, the passage across the Frith being effected here by a floating railway.

The parish church was built in 1592. There are also a Free church, and chapels for United Presbyterians and Episcopalians.
North from the town, on the sumnit of Dunearn Hill, an eminence rising 695 feet above the sea, is a level space surrouuded with a number of loose stones, which has been called Agricoln's Camp, and supposed, very improbably, to mark the site of a Roman encampment. On another erninence ovcrhanging the harbour stands Rossend Castle, erected about the 15 th century.

## BURRA BUlRRA. [Soutr Australid.] <br> BURRAMPOO'TER. [BRAHMAPU'TRA.]

BURSLEM. Staffordshire, a manufacturing and market-town, and conjointly with Wolstanton the seat of a Poor-Law Union, in the parish of Burslem and hundred of Pirehill, is situated on the sides of the river Trent, iu $53^{\circ} 3^{\prime}$ N. lat., $2^{\circ} 12^{\prime} \mathrm{W}$. long., 18 miles N. by W. from Stafford, 151 miles N.W. from Londou by road, and 148 miles uy railway via Trent Valley: the population of the township in 1851 was 15,954 , being an increnso of upwards of 25 per cent. since 1841. The townslip forms part of tho parliamentary borough of Stoke-uponTrent. The living is a rectory in the archdeaconry of Stafford and diocese of Lichfield. Burslem and Wolstanton Poor-Law Union contains the two parishes, with an area of 13,192 acres, and a population in 1851 of 41,914 .
Burslem is governed chiefly under the provisions of an Act passed in 1826, which appoints trustecs for the management of the town-hall and the market, and commissioners for lighting and police, in Burslem aud a portion of its neighbourliood; each body having power to levy rates for carryiag out the provisious of the Act. The county constabulary force was introduced iuto Burslem in 1842. In 1847 and 1848 Acts were obtaincd for supplying with water a large district of the potteries, including Burslem. The surface reservoir of the Staffordshire Potteries' Waterworks Company is within this parish, about one mile and a half from the town, and at a sufficient eleration to serve a wide district. The town is on a height, favourably situated for the discharge of surface water; but the character of the soil is such as to retain a large quantity of moisture. The lower part of the town is liable to occasional inundations from the overflow of brooks which inclose the town on the west, south, and enst. A Local Board of Health has been recently established.
The principal streets of Burslem are moderately well paved, but the poorer strects very badly. In Burslem town the foot-paths aro mostly paved with hard blue brickn, but in some cases with ashes obtained from the burning of argillaceons ironstone. Burslem posseases few public buildings. Tho tower of the parish church is considered to be the oldest existing structure in the Potteries' district, but the body of the church is comparatively modern. In the parish are several other churchen, besides chapels for Dissenters. In the market-placo, in the centre of the town, is the market-house, townhall, and news-room. A mechnnics institution and readingroom is in

She lown. Aboust a mfle from Burelems rinorts the North Staffond hire Infirany, a very large extablishment, which serven for the whole of the Pottery districh and in mainly eupportod by the manufacturers. Thero aro Larrack at Ihamern.

Bandem ofta receives the name of the "Sother of Pottorier," bering brea the fint, and for a long periol the chief of the pottery comais From an esrly period it has been distinguinherl for the varioty and exeellence of the elaym in ite vicinity. All tho wubsoil of tho town is clay, varging from I2 to 10 fect in thleknees: it is celled In the seightourhood 'tongh Tom, and is employed in the manufacture of red, brown, and yellow wares Bolow the subsoil is a very thick etratum of fire-clar, of which the saggers or baking-vessels for the poltery.kila are maila. Ikelow the firo-clay is coal. Most of the early improvements in the pottery mannfacture wero made at Buralem, aud the town took the lad in this at until Wedswood removed these to Fitruria longport is now so elosely unitad to Burslom that the two form in effect one large town, every part of which is ocopived ty the pottery workn, the hounes of the workpeople and emiplogers, or the dopltecpern. No town in Fingland, perhaps, is more depredent on one particular braneh of mannfacturo than Burs. fem is on thet of porcelain and earthenware. There are in the parish about 10 potiery establinhments becides glass-works at longport. The increse of conl-mines and potteries and an improvement in trade bare led to the moent great increase of population. The town is accommodatad by the Grand Truuk Canal, and by the North Stafford. abine railway. a station of which is at Iongport.
(Shaw' Safordshire: Communication from Burslem.)
IBCRTOS.IN:KESDAI, W estmoreland, a market-town in the parish of Burtom-in-Kendal and wand of Lonadnle, is situated in the southern part of the countr, cloee to the bonder of Lancashire, in $54^{\circ} 11^{\prime} \mathrm{N}$. lat., $0^{\circ} 12^{\prime}$ W. long. ; distant 34 miles S.S.W. from Appleby, 251 miles $\therefore$.W. by $N$. from london by road, and 213 miles by railway via Lancuster. The population of the township of Burton-iu-Kendal in 1851 was i91. The living is a vicarage in the archdencoury of Richmond ant diocero of Chester, but is to be transferred to the diocese of Carlisle Burton is a mall but weat and regularly built town. The market-place is a rpacions area, with good honses and shops. A ntone crow mtands in the centre of it. The parish church, dedicated to St Jamee, in an ancient but plain edifice, with sido nisles and a pquare towor. Tho church has been lately well restored. Burton has an old Omenmar eehool; riso $n$ National school, a parochial fibmy, and sereral charities. The linen anl canvass manufacture erpployn sorne of the inhabitants. The market is held on Tuesdny: at one cime it was of considerable importance as a corn-market, but it is now of little consequence. Two fairs are lield yearly. The trarle of the town is inconsiderable in amount. The scenery in the noighbourhood of Burton is interesting. The elimate ishealthy. A county court in heid in the town.

BUHTOS.UPOS.THENT, Staffordshire, a market-town and the sal of a Poor-Law Union, in the parish of Burton-npon-Trent and hundred of North OBllow, in mituated on the river Trent, in $52^{\circ} 48^{\prime} \mathrm{N}$. Iat., $1^{\circ} 38^{\prime}$ W. longo; distant 21 miles En from Stafford, 124 miles N.W. by N., from London by road, and 133 miles by the North-Western aud Midind mil mayn. The population of the tom of Burton-upon-Trent is 1851 wa 7984 . The living is a curacy in the arehdeaconry of Stafford and dioceno of Lichfield. Burton Poor-Law Uniou contains 83 parishes and towruhip, with an area of 86,738 acres, and a popeslation in 1831 of 31,812 .

The town is not incorpornted, althongh usually called a borough. The manor, which firmerly belonged to the abbey of Burton, was giren by Ifenry V'liI. to an ancestor of the Marquis of Anglesey, the pronest lond of the manor. The government is in the hands of a alowand and bailiff, appointed by the lorl of the manor. The paving and lighting of the town are in the charge of comminaioners under a local Act. The abbey of Burton was foumded in tho 11th contary by an Finrl of Mercia, and had privilegen granted to It by areral kings. Some of the abbot sat in Parliament. The bridge at Burton ls constructerl of freentone, ham thirty-six arches, and menerres 1545 feet long. The parinh church is dedicated to 8L. Xodwens, the patron mint of the abbey. There are two district ohurchew: Trinity church, erocted abont 1823 ; and Christ ohurch, eroctad in 1843 . The Baptiata and Independents have chapels. The Fires Grmmar school, founded in 1520 by the theu abbat of $13 u r t o n$, han in inome from endowment of nearly fook. a year, and in 1852 bad 81 mobolarm, of whous 65 were froe. Conalrlerable entates, bequathed for charilnblo and other purposes for the benefit of the lown, are reatel in tronteen. Thero is anvings bank. Of the two priecipal street in thrton, one runs parallel to the river, the other eutling it at rughe anglem. In the inarket-place la the town-Jall. Tho marketday in Thurglay; thero aro four nutul fnirs, one of Which (in October) ooutinnes for five sinyar According to Loland, Tarton Fan in hia time noted for thalabastor works in more recent timen it bas beoone more exteneirely known by the sle which bean the name of the town. The Grand Trunk Canal, which ls called miso the Truut and Mermey Canal, praee Burthm, and communicates with the Treat about a raile bolow the towr. The Trent, whieh full into the Hamber, is navigable for barge up to linrton-ipon-Trent. The


Swanniggton lines, place Burton la railway communcation with all parts of Fingland.

BURY, Lancashirc, \& manufacturing town, parliamentary borough, and the neat of a Poor-lanw Union, in the parish of Bury aud laudrods of Blackburn aud Sialforl, is situated on the banks of tho Irwell, in $53^{\circ} 30^{\prime} \mathrm{N}$. lat. $2^{\circ} 19^{\prime} \mathrm{W}$. long.; 9 miles $\$$. by W. from Slanchenter: 48 miles S.S.F. from Lancaster; 195 miles N. Ni.W. from I,ondon by road, and 198 miles by tho North-Wiestern railway vin Treat Valley. Tho population of the parliamentary borough in 1851 was 31,262 ; that of the entire parish was 70,143 ; in 1801 it Was 22,300. Bury returns one member to the Imperial larliament. It is governed by the county magistrates and a boand of commissioners. Tho living is a roctory in the arcladeacoury aud dioceso of Manchester. Jury Poor-Law Union contains 12 parishes and townships, with an area of 33,208 acres, and a population in 1851 of $88,197$.

The town of Bury, though it stands on rising ground, appenra as if it occupied a low pesition in consequence of being placed anoug hills which surround it on the north and east. The river lrwell, whiels first takes this name at Bury, flows through the west eud of tho town, and is joined by the Rocho about two miles to the south. In aucieut times, oue of the 12 baronial castles of the county stood close to this town, not far from the parish church, on the banks of what was then the courso of the Irwell; but the river now takes a more north-westerly course, and leaves a fertile tract of Jand in the valley between its present aud its ancicut bed. The castle was destroyed by the parliamentary forees in 1644. Fragments of stone are oceasiomally dug out of its ancient fouudations. The place where it stood is atili called Castlo Croft, frosu which may be seen Castlo Steads, in the adjoining township of Walunersley, whero tho besiegera threw up au intrenclmant which onablod then to batter down the walls of the castle. The manor of Bury was in the reign of Henry II. in the possession of Johu do Lacy. It passed to the families of the De Burys and Pilkingtons. The town of Bury has been very unuch onlarged and inproved within tho last few years. It is well lighted with gas and supplied with water. New sewers have been constructed. Many of tho strects lave been pared by the cominissioners ; and a serios of limprovements is being earried ont under the powers conferred by an Improvement Aet obtainer in 1846.

Tho parish ehureh is dedicated to St. Mary ; in 1776 it was rebuilt, all but the steeple, which was not rebuilt till 1844. St. John's chapel, in Staulcy Strect, erected in 1750 , is a neat building. There is auother church just crected, dediented to St. Paul. The oldeat of the Dissenting elappels in Bury is the Presbyterian ehapel in Silver Strect, belonging to the Unitarians. There are places of worshin for Wesleyan, Primitive, Association, and New Connexion Methodists; three for Indopendents; a now Uuitarian chajel; and a Roman Catholic chapel of sume clegance, built in 1810.

The Frea Grammar school, founded in 1726 by the Rev. Roger Kay, has an income from endowmeat of about 4301 . a year, and had 70 scholars in 1852. A Charity school for $\$ 0$ boys and 30 girls, foundod in 1743, has been converted into a National school. Two other schools, the Bell school and the Irwell school, are conuected with the Established Chureh. Thero aro also schools connected with the Dissentiug chapels, and Infant schools; a public subscription library, a news-roou, a inochanics library; a inedical library, and a billinrdroom. An athemeum has been recently opened iu very encouraging circumstance.

Bury has a moderately largo subseription library, establiaher upwards of 80 years ago. Thene is a dispensary in the town. Anew market-place was erected in 1840 by the Farl of Derby. There is a aarings bank. A county court is held at Bury.

The manufacture of woollen cloth became a staple article of trade in thin place in the 1th century, and douriahed to such na oxtent that in the relgn of Elizabeth one of her aulnagers was stationed in the town to stanip the cloth. On the introluction of the eatton-trade into the county many of the iulabitants of IBury became weavers of cotton fabrice, susd the woollen trade law been gradually, retiring into Yorkshire and other parts of tho country where the cottou manmfacture is less paramonnt. The differont branches of the cotton nunufacture aro carried on to $n$ considerable extent. Severnl important improvements in the cotton manufnetory took their rino in this place. $\Lambda$ new method of throwing the shuttle by means of the picking.peg instear of the lanud, and thenco called the fly-shuttle, was invonted by Jolin Kiny, suative of the town: and in 1760 his son, Robert Kay, invented the drop-box, by means of which the weaver ean at will use any one of three mhattlos-an inventlon which led to the introduction of various colours into the mune fabric, and mado it almost as casy to produco a fabric conninting of differeut colours as a commou cloth of only one. Bury is indebted fur one braneh of its prement trade to the father of tho lato Sir Robert Peel, who eatablished his extensive print works on tho bayks of the Irwell, near this town. Ho resided at Chamber Ilall, in the immediate vicinity, where, or at a smaller house eloso by it, the late Sir Robert Peel was bom.
There are in Bury moro than a dozen large fnctorion for spiuning ansl manufncturing cotton, everal large woollen manufnctories, calicoprinting and bleaching establislimeuta, dye-workn, threo largo foundries,
several smaller ones, and manufactories of hats and other artieles. The market-day according to the cbarter is Thursday, but Saturday bas been adopted in practice. The market is well attended. Three or four fairs are beld in the course of the year. A braneb of the Manchester, Bolton, and Bury Canal accommodates Bnry. The East Lancashire railway and tbe Lancashire and Yorkshire railway both pass through Bury.

BURY ST. LDMUNDS, tbe chief tomn of West Suffolk, a borougb and market-town in the hundred of Thingoe, stands on the banks of the river Larke, in $52^{\circ} 16^{\prime}$ N. lat., $0^{\circ} 43^{\prime} \mathrm{E}$. long. ; distant 26 miles N.W. by W. from Ipswich, 71 miles N.E. by N. from London by road, and $94 \frac{1}{2}$ miles by the Eastern Counties and Eastern Union railwasg. The parishes of St. James and St. Mary, which compuse the borough, are also united for poor-law purposes under a board of guardians, but are not under the operntion of the PoorLaw Amendment Aet. The town is governed ly 6 aldermen, one of wbom is mayor, and 18 conneillora; an ll returns two mombers to the Imperial Parliament. The ponalation of the municipal and the parliamentary borough, which are cucxtensive, was 13,900 in 1851 . The livings are perpetual curacies iu the arehdeaconry of Sudbury and dioces: of Ely.

The origin of Bury St. Edmunds, or St. Fdmnnds Bury, as it is called by old writers, lins been a subject of mneh discussion. Some suppose it to bo the Villa Fnustina of the "1tinerary of Antoninus.' Numerous Roman antiquities have been dug up in tho ueighbourbood. At the time of the dissolution of the Heptareby tbe manor belonged to Beodrie, and was hence called Beodrie's-wortbe, or Beoderici-cortis, the 'villa or mansion of Beodric.' Beodric bequeathed it to Edmund the King and Martyr, after whom it was called St. Edmunds Bury-bury, like burh, burg, burgh, \&c., being tho Saxon word for a castlo or strong town. Edmund, having succeeded to tbo throne of East Anglia, was omwned at Bury on Christmasday, 856 . Iu 870 be was taken prisoner and put to death by tho Danes. Soon after the death und canonisation of King Eflmund, six priests devoted themselves to a monastic life under the patronage of tho royal maint, and founded o monastery; whicl, in nftor ages, by its nagnificence and splendour, and its valuable immunities and privilegen, surpassed every other ecclesinatical establisbment in Great Britain, Glastonbury alone excepted. In 1029 Ailwiu ejected all the seeular clergy from Bury, and establisbed twelvo Benedictine monks from the monastery of Huline iu the abbey, exempted them from all episeopal authority, and laid the foundation of a church, which was consecmed in 1032 . The first three churches were built of wood, but in the year 1065 another was erected of hewn stone, under the auspices of Abbot Baldwgn. It took twelve years building, and was embellished with numerous omaments brought from Caen in Normandy. It was 505 feet in length; the transepts were 212 feet, and the western front was 240 feet in breadth; nltogether it containell 12 chapels. Portions of tbe ruins of the western front still remain. The circular rnbble wall of tbe southern tower which seems to bid defiance to time and weather, is now used as a shop; and the tbree arcbes, which once formed the entrance to the three aisles of the church, have been filled up witb modern brickwork, and now form convenient dwelling houses.

There appear to bave beeu four grand gates to the abbey, and its lofty embattled walls inclosed within their rast circumference the borly of the monastery, the abbot's palace, garden, \&c., chapterhouse, towers, cloisters, infirmaries, the magnificent monasterial church, an extensive churebyard, three smaller churches, and several chapels. The abbey contaiued 80 monks, 16 chaplains, and 111 servants. The abbot, who was a spiritual parliameutary baron, held a synod in his own chnpter-house, and appointed tho parochial elergy of tho place. He inflicted capital punishment, and had the power to try by his steward all causes withiu the liberty of Bury. Beyond the circuit of the abbey-walls were several hospitals and chapels under the patrouago and protection of the monks. Edward the Confessor granted to the abbot the liberty of coiniug; and [idward I. and Edward II. both had miuts here. It was at Bury that Jobn was first met by tho refractory barons, before he was compelled to sign Magna Cbarta. In 1272 Henry IIf. held a parlinment here. A parliament was also held at Bury by Fdward I. in 1296, when all the goods and chattels and all the revenues of the monastery were forfeited to the king, upon the monks refusing to pay a subvidy that was demanderl from them; but on their after wards complying, their goods were restored. In 1446 anotber parliament was convened at Bury. Henry VII. nud Elizabeth both vinited Bury, and were entertained with considerable pomp and maguificence. This celebrated monastery was 519 years in tbe ponsension of the Benedictine monks, and during that time bad 33 abbots. At tho dissolution of monasteries it was valued by the commissioners at $2360 l$. 16\%, but that must have been considerably under its real value, for the commismioners, in their report, say, "We have taken in tho beyd monastery in golde and sylvor 5000 marks, hesydes as well a rich cross with emerelds as also dyvern stoues of great value, and yet we have left the elurch, abbot, and convent, very well furnished with plate of sylver neeessary for the wame," Almost the only relic of the inagnificence of this monastio csiablishment is the weatern, now called the abbey, gate. It wns
erected in 1327, after the old gate was pulled down by the mob. It is a specimen of the decorated style of gothic arelriteeture. It bas been roofed over by Lord Bristol, mbose property it now is, and is generally in a state of good preservation. Its height is 62 feet, its lengtb 50 feet, and breadth 41 feet. T'be 'terrepleine' of tbe wall forms a terrace all round, and over each angle tbere formerly was a tower. The eastern side of this gate, altbougb not so splendid sis tbe rest side, is the more elegant. The internal walls are beautifully decorated, and amongst other carved work are tbe 'arms of King Edward the Confessor. In digging up an old foundation there were found, with various other antiquities, four autique heads, cut out of blocks of freestoue of gigantic dimensions, and probably representing some heathen deities.
Frsgments of tbe ruins of various religious and charitable institutions conneeted with tbe abbey aro still visible. The following are mentioned in Dugdale's 'Monastieon:' - The Hospital of St. John or God's-house without tbe soutb gate, probably the cbapel, or as it is sometimes called tbe Hospital of St. Petronilla, was connected with tbis house; Sto Nicbolas' Hospital without the east gate, now a farm-house ; St. Peter's Hospital nad Chapel, founded by Abbot Anselm iu tbe time of Heary I., now belonging to the trustees of the Free Grammar sehool ; St. Saviour's Hospital, founded by Abbot Sampson in the reign of King John; St. Stephen's Hospital, Jesus College and Guild, ereeted by King Edward VI. in 1481, now occupied as a workhouse; and tho courent of Gray Friars at Babwell or Nortb Gate, eatablished in 1256.
The Norman Tower, or Church Gate, was tbe grand portal into the churchyard opposite to the western entrance of the abbey church. At the dissolution it was converted into a belfry for St. James's church, "and to this cireumstanee," says Mr. Yates, " most probably the antiquarinn is indebted for tbe gratification of uow surveying this venerable relic of ancient piety nud taste." It is cousidered one of the finest specimens of its elass in existence of Normon architecture. It is a quadrangular building 80 feet high, and is remarkable for its strength aud simplicity. The date of its erection is unknown. The stoue of which it is built abounds with small shells. The iuterior of the arch presents some grotesque figures. The tower has been thoroughly restorcd of late years under the direction of Mr. Cottingham. The stmcture h:1s been streugthened by tbree parallel series of iron braces, and the ashlar-work has been repaired aud reset.

St. Mary's chareh, erected about 1430, is 130 feet long (exelusive of tha chancel) and 671 feet wide. The chanecl is 74 feet by 68 feet. Thero are thrce aisles, which are divided by two rows of elegant columns. The lieight of the middle aislo is 60 feet. The roof, whieb is elaborately and beautifully carved, is supposed to have been brought from Caen in Normandy. On the north side of the com-munion-table is a marble slab erected to the memory of Mary Tudor; third daughter of King Henry VII. of England, who first married Lonis XII. of Frauee, and subsequently Charles Brandou, duke of Suffolk. On each side of the ehancel is a handsome altar-tomb: one to Sir W. Curew, who died in 1501, and his wife wbo died in 1525 and the other to Sir Robert Drury. The tower is of an carlier date than the chureh itself. The edifice was tboroughly repaired and restored a few years back uuder the direction of the late M1. Cottingham.

St. James's chureh, like St. Mary's, is built of freestone, and is a very handsome building. It was not completed till the Reformation, when Edward VI. gave 200l. towards its completion. It is 137 feet long by 69 feet broad, and contains some haudsome monuments. The churchyard is of considerable dimensions, and has a beautiful arenue of lofty lime-trees. It contains the two churehes (St. Mary's and St. James's), the Saxon tower, abbey ruins, Clopton's hospital, the shire-house, and tbe mnusoleum; the latter was formerly 'the Chapel of the Charnel,' where it is said Lydgate the poet resided. Not many years sinee it formed the residence and workshop of a blacksmith. St. John's church, erected in 1841 at a cost of 6000 l., has 850 sittings, of which half are free. The Independents and Baptists have each two cbapels in Bury: there are also places of worship for Methodists, Quakers, Unitarians, and Roman Catholies. The Free Grammar sebool, founded by Edward VI., has an income from endowment of upwnrds of 600l. a year; it is under the care of a hend master and five other teachers: the number of scholars in 1852 was 80 . The school possesses 13 exhibitions for Oxford or Cambridge. Under a decree of the Court of Chancery there have been recently established out of the rents of tbe Guildhall Feoffment a Commercial school for 150 boys, who pay 5s. a quarter; a Poor Loys' scbool for 300 boys, wbo pay 18. a quarter; and a Poor Girls' school for 150 gills, who pay 18. a quarter. There are in Bury National scbools for boys and girls, Infant schools, aud a Female School of Industry.

Bury is a borough by preseriptiou, and its preseriptive rights were first confirmed by Jnmes I. in the fourth year of his reign. A sessions court is now held quarterly under tbe recorder; the assizes aro held in Pury in Marcb; tho summer nssizes being held in Ipswich. A county court is beld in Bury. Bury first sent representatives to I'arliament in the 30th year of the reign of lidward I., but made no subsequent retum till the 4 th of James I., sineo which time it has coutinued to return two members.
A grent part of the town was burnt down in 1603, but was shortly
after subuls la the provent resular mander. The houven aro well bull ; sbo otreele aro parel and kept elma. Tho town lo well lighted Weth ges and hae a grom aupply of water. A aubscription libury comenime a raluable collection of booka bury poasomes baniluome onberription-ronms, a aubmerijtion coffer.rvom an | hilliarel-ruom, a machanios innetute, and a marings bank. A now thentro wha built in 8 42 , anal the old one converted into a concert-room. There is a food collactlut of plantes in the lhotanic Gardens, whieh ans a part of the ohd abbey groumith, adol conesin somo pieturonque hith of the ruina. The ohim-hall, a best modera building, is nituated on the anclent sito of St Margarit'e church, and eontains two good-sized courta. The Guilshall, where the barough courta are held, in a handmoze structure, bats of tint and fircentone.

Tho coumty jail, erected in 1503 at a cost of $30,000 \mathrm{l}$., about half a mile frome the month end of the town, is built on the radiating prineiple, and in surroundal by a wall 20 feet highl, inclosing an octagonal aros, tho dinmeter of which is 222 feet Tho houso of correction for fecmale pritoners in near the jail.

Among the prochial charition of libury are 98 almshouses, founded by different percoms. They are under the superintendence of trustees, and their funde alkugether amonat to about 20001. per annum. Cloptom Hoopleal, founded by Boley Clopiton, M.D. for the aupport of six gead widowere and widown, in a peat brick building, with the arms of the founder over the princlpal entrance. A large huildiug iutended by the government for an ordmanco depot, was purchased and conrertel into an bospital, which in supported by voluntary contributions; It han been eince onlarged by the eddition of two wiugs.

A bout a mile from llury the river Larke becomes uavigable to Lymn, whence coale and other commodities are bronght In sanall harges. The Finiens Union railway has diverted a good deal of this traffic to itsclf. The market-dars are Wedneaday for corn, \&c., ant Saturlay for meat and poultry. Fairs are held on the Tueslay $\ln$ Easter week, and on the Ist of Uctober and Int of Deceuber for horses, cattle, cheese, \&c. The groal fair, which is justly celebrated, generally commences ahout the loth of October, and lasts about throe weeka. About three miles from Eury is Ickworth, the magnificent sent of the Marquis of BristoL The houne is cireular, 140 fect in height and 90 feet in diameter, and -tanda in the reatro of a part which bas a circuit of 11 niles.
(G.g50 Sufull: Cum munication from Bury.)

BU'SA'CO, the name of a convent situated on the summit of a mountain-ridgo in the province of Beira in Portugnl, called tho Serra do Busnco, rhich le an offeot from the great Serra do Alcoba In September 1510 the unitad Euglinh and Portuguese army under Wellington, aboul 40,000 atrong, took post on the Serra do Busneo, and ancoossully romiated the French army under Massenn, 68,000 strong. slamens being unable to forco the position, turacd it by a mountain. pa orer a nelghbouring mountain-rillge, and then Wcllington continned his retreat to the lives of Torres Vedras.

## BLSHHLR [ABOL-BMEHR]

bLSSMMLLLSS [ANTRM.]
BUSSA11E'R, orliUSSAMIR, priucipality in Northern llindustan, oceupring a mountainons tract on both sides of the 11 imalaya range. Humplier lies between $30^{\circ}$ and $32^{\circ} \mathrm{N}$. Lnt., $77^{\circ}$ and $79^{\circ} \mathrm{F}$. long. ; it is boundell on tho N.W. by the Sutlej, S. and S.E. by the Juman, S.W. by Sirmor, and N. and IM, it oxtends to the empire of Clima Ovor a comiderable jart of thin torritart, the boundaries of which are lut Imperfectly known, the liaja of Bunsalher exercises ouly a kind of feulal auperiority, the rulers of tho petty states into which it is divided raving an annual tribute to himas their head. The area of the territory ha atated at 3000 mquaro miles, and the population at 150,000 , with an mnunl recenue of nbout 15,000 . The subsidy or tribute pald to the Pritiah governmeut ls about 15000 .
Bumber io divided into tho dintricts of Kunawur; the tract conWining linenpoor, the eapital, and Seran; the valley of the river Paber; and lmaau, Whlch contains tho Tartar pergunnah of Ifanga. raug. Kunawur ia a ruggel district, extending on tho cust to Shipke, the frontier lawn of Chinome Tartary, and on tho wost to llangarang. The Keubmag t'en in tho limunlaya Mountains, which is 18,130 feet above the level of the nea, forms the bouudary betwcen Kunawur aud Chiloese Tartarg. Tho climante of Kuaswur diatrict is cold, and $n$ grat prat of the evil in composed of eminences coverel with snow. Little grain ts raisel. and the chicf expployment in breeding and seariog abecp, giate, ponien, nemeen, and mulee. The iuhahitante cujoy - croul repruthinn for honesty and punctuality in their doalinge The Thrient vilhges do not conthin moro than 100 inlabitants; soveral exhalst the appearance of wealth and civilination. The majority of the lahubitastan wo llindoon, but in some of the villinge the preoplo aro ellierenta of the graad or Dalni laran of Lamas. Rampuer, the eapital of the rrincijality, is situatol in $31^{\circ} 27^{\prime} \mathrm{N} .1$ lat., $77^{\circ} 35^{\prime} \mathrm{E}_{\mathrm{H}}$ long. on the left mank of the Sutlej, whero that river is little miore than 200 foet wide, nad confined by lofty precipices, lectween which tho water fouma ami damhes furiously. Tho atroman is crossed hy a tridgo of ropee, traversed by a hlock of wounl, upron which tho traveller sies and lo Armwa acrom fannpoor is considerod a place of much moetity, ant io monch frequented ly religinus mendicanta: It contains ereral teroples. Tho towu nuw oontaitan ouly about 150 stone nad elsted dwellinge: It In the unaul place of rocidence of the raja, who

Thin revidence of the raje in on a hill 3 miles from the baukn of the Sutloj, and 4500 fect abovo its levol.
The thln districh, that which contains the valley of the river Paber, in the zost productive part of the prixcipality, hut nouso portion oven of this in wild and barron. lrou ore is foumel in this district, and is worked, when tho iron forms an articlo of export to the Silk countriea. Dasau produces wheat and harley, hut not rice. Sicar the villages, and in sheltered spota, apricots, gooseberrios, and eurrants are found, but the trees and bushen are stunted. The inhabitantso possess considerablo numbers of pouies snd mulea. Manufactures of coarae blanketing are carried ons. In other parts of Bussaher woollea cloths of a superior texture are made, the wool being of excellcut quality; a few shawls are likewiso made of gonts' and sheep's wool mixod. Bussiller receires from lliudustan sugar, cotton, hardwares, and indigo, and returns irou, opium, tobacoo, turmeric, aud blankets. From Tibet and the Chineso territories aro brought shawl-wool, salt, tea, silk goods, musk, and homa: tho returns are grain, iron, and opium, cotton cloths, indigo, and other articles received from the lower parts of Ilindustan The priacipality Was conquered in 1810 ly tho Gorkne, and remained sulject to them uutil 1814, when it was regained by the Britisl for the raja, who with the other hill chicfs was oonfirnod in his possessions at tho close of the Ncpaul war in 1815.

## (Parliamentary Papera.)

BUTE, one of the islands which compose the county of Bute, Scotland, is situatorl in the Fritls of Clyde, between $55^{\circ} 42^{\prime}$ and $55^{\circ} 56^{\prime} \mathrm{N}$. lat., $4^{\circ} 5 S^{\prime}$ and $5^{\circ} 10^{\prime} \mathrm{W}$. long., distant about sis miles from the opposito mainlaud of Ayrshire, and about half a mile from Argyleshire, from which county it is meparated by a narrow and crooked but picturesque channel called tho Kyles of Buto. The population of the island in 1851 was 10,601 . The islaud is about 10 miles loug, and varies from threo miles to four miles in brcadth. To the uorth it is elevated, rocky, and barren; the central part is divorsified by hills, valleys, and fertile tracts; and the south ond is hilly and divided from tho rest of tho island by a low and sandy plain called laugal-chorid. Tho const is rocky and indeuted by bays. The soil of the island consists of clay, loanz, and sand, with moss lying on gravel. The greater part of the arablo land is iuclosed and cultivated; harley, oats, polatoes, turnips, and the artificinl grasses are all cultirated with success. About the middle of the island are three amall lakes-Loch Fad, Loch Ascog, and Loch Quein. The climate, though dannp, is mild and temperate, and the island is much resorted to by invalids, Rotasay heing oue of the favourite watering places of the Clyde. The mincrals are limestone, freestone, slate, and sonne indifferont conl. Beds of coral and shelles of considerablo thicknose, are found in several places half a mile from the sen-coasto
Bute inland contains unany remains of antignity. Dungyle, or Dunnagoil, a vitrified fort, attributed to the Dance or Norwogians, and situated on a lofly crag in the south-wost part of tho island, is an object of interest and curiosity. In the southorn extremity of the island are the ruins of au ancient chapel. Not far from the ruins are tho remains of a circular erection about 30 feet is diancter and 10 fect high, known as tho 'Devil's Cauldron;' the object for which it was erected has not been ascertained. Bute, and the adjacent islandes, were long subject to the Norweginus. Haco of Norway in 12e3 took possession of liute, but after his defeat it returned to the alleginnce of tho King of Scotland. Filwand of Fingland held it till 1312, when it fell iuto tho ponsessiou of Bruce. 1ivbert 111. and Jausen Ill. mado tho island their oceasional residence. If wan garrisoned by Cromwell, and was tho sceno of the Find of Argylo's unfortunato landing in 1085.

## (New Statistical Account of Scotland.)

BUTESIHARF, a county in Scotland which connprises tho islands of Butr, Abran, the Cumbraks, anil linchmahnock; with tho amall islauds of Lamlash and Pladde, which Lelong to Arraus The urea of the county is given la the propulation returns of 1811 at 103,040 neros, which in equivalent to 161 square miles; the returns of tho Consus of 1851 state tho area at 151 square iniles; other accomuts male it $25 \%$ syuaro miles Tho population of the county in IS5I whe 10,608 ; in 1791 it was 10,563 . Buteshire roturns ono member to tho 1 upperinl Parlinmeut; provioun to tho proving of the Roform Act the county returned a momber to Parliament altermately with the county of Caithnoss. The conatitucucy of the county $\mathrm{l}_{21} 1853$ was 183, iucluding the electors of the royal burgh of Rothay, the county town, who hy the Reform Act wero united to thowe of the county for parlinunentary purpores. The inlands of which the connty is composed, as well as llotisar the courity towu, aro noticed in distinct articles. Lamlash and Fladda are uoticed uuder Auras.
BUT1BINTO (Bhthwom), an ancient Cown, now ruined, on tho comet of Eipirus, on the northern or narrow part of the chanuel which dividen the isinul of Corfu from the maninnd. It atood ou a hill surronnded by maraly ground, and forning a mort of peninaula at tho entrance of the harbour or lake I'elodes, and nearly opposito the promontory of Leucimne in the inland of Corfiu. (Strabo, vii.) The lakc, which in convected with a loy of tho sea hy a river (now called Paula) three anilea long, is now callod ' Vitzindro.' Virgil calls it ' Lofty Buthrotum ' ('Ancid.' iii.), whore he makes AEneas meet llelenus the sou of Priam, who rulod over the country of the Chaonians after tho death
of Pyrrbus the son of Achilles. (Justin, avii.) After tbe conquest of Epirus by the Romans, Buthrotum became a Roman colony. Pomponius Atticus had an estate near Buthrotum, where be spent great part of his time; and both be and Cicero interested themselves in favour of the Butbrotians, whose lands had been confiscated and given away to fresh colonists during tbe civil war. Under the Byzantine empire, Butbrotum was a bishop's see suffragan to the arcbbishop of Lepanto. It was afterwards ruined, probably at tbe Turkish invasion. The Venetians, in their wars with the Turks, settled on this coast, and built a square fort at the foot of the hill on the sea-side, where they kept a garrisou to protect their fisheries. Butrinto and Parga were dependencies of the Venetian government of Corfu. The walls of tho Roman colony still exist, as well as remains of Hellenic and later works; statues, pillars, medals, and camcos haro been found ou tho site. In 1797, after the fall of the Venetian republic, the French pnt a garrison in the fort of Butrinto, but in the following year Ali Pasha drove them out of it.

## BUTT'ERMERE. [COMBERLAND.]

## BUTTEVANT. [CORK].

BUKAR, a fortified town in the district of Slahaboul, province of Bahar, situated on the right bank of tbe Gangea, in $25^{\circ} 33^{\prime}$ N. lat., $83^{\circ} 57^{\prime}$ K. long., abont 60 miles below the city of Benares. The fort is built on an eminence which projects into the river; the works are kept in good repair, aud there is coustantly an Euglish garrison in it. A signal victory was gained at this place on the 23 rd of October 1764, by Major (afterwards Sir Hector) Munro, whó opposed and conquered a llogul force of 40,000 men with an army of 856 European and 6215 native troops. (Mill, Mistory of British India.)

BUXTON, Derbyshire, a makket-town aud chapelry in the parisb of Bakewell and hundred of Migh Peak, is situated on the high road from Derby to Manchester, in $53^{\circ} 15^{\prime} \mathrm{N}$. lato, $1^{\circ} 52^{\prime} \mathrm{W}$. long., distant 83 miles N.W. by N. from Derly, and 160 miles N.W. by N. from London. The population of the chapelry of Buxton in 1851 was 1235. The living of Buxtou is a perpetnal curacy in tbo arehdeaconry of Derby and diocese of Liehfield.

Buxton is situated in a deep valley or basin, surrounded by bleak litls and extensive tracts of moorland. It would be entirely environed with mountains but for the nsrrow revino down which the river Wye flows on its way to tbe Derwent, parallel to the ligh rond which leads to Bakewell. Chee Tor, a perpendicular and stupendous rock of limestone, 360 feet high, is situated near the village of Wormbill, and about five miles from Buxton. A littlo east, tho lofty peaks of Winliill and Loschill may be distinguished by their form from all the mountains in tbe county. Extensive woods and plantations uow clothe tbo sides and suminits of many of the neighbouring hills.

The mineral springs at this place appear to havo been known to the Romans. Buxton was a watering place in tbo l6th century. The baths were connected with a shrine, on which visiters for bealth presented their offerings. After the suppression of religious bonses, these offerings were removed, and the baths lockod and sealed up for a time. In Queen Elizabeth's time however tbey bad more thau regained their former reputation. Mr. Mincaulay in his notico of Buxton ('History of England,' vol. i. p. 346) states that in tbe 17tly centary, visiters to Buxton were crowded into 'low wonden sbeds,' but this is a mistake, as is shown in tho 'Land Wo Live In,' vol. iii. pp. 215-221. There were in fact excellent and commodious buildings provided for risiters even in the 16 th century. From Camden's time till now Buxton seems to have maintained and even increased its popularity. Additions and improvements have been wade at different times; but the most important have been those carried into effect by the late and the present Duke of Deronalire. Burton old town stands upon mucls higher ground than the new, and has still tbe remains of a cross in the centre of the market-place. Tho main street is wido, and contains a few good inns and lolying-houses, but the buildings in general are old aud mean. Tho new part of the towr may be aid to begin at tbe Crescent and to stretch along the Bakewell road, the buildangs of which form a handsome entrance to the town on that side.

The Crescent at Buxton is in tho form of the segment of a circle. The basement story is a rustic areade forming a piazza 7 feet wide witbin. Over tho arches a balustrado runs along tho whole building. Above the piers arc Dorio pilasters that support an ornamemtal architrave and cornice, which is terminated by nnother balnstrade, in the centre of which aro placed the arms of the Cavendish family. This extensive and elegant structure is three stories high; tho span of the Crescent is 200 feet; and each wing mensures 58 feet, making the whole extent of tho front 316 feet; it contains 378 winlows. In it are comprised two hotela, a library, an assembly. room 75 feet long, and a new-room, besides the baths and a fev private residences.

At the west end of the Creacent and nearly adjoining it is the old hall, erected in tho reiga of Elizabeth by the Farl of Shrowsbury, in whose custody Mary, queeu of Scotn, was placed. In one of her visits to Buxton Mary oceupied apartmenta in this building, which are stlll shown as licrs. Tho houso was considerably enlarged in $16 \% 0$,
The public baths at Luxton are very numerous, and are fitted np The public baths at luxton are very numerous, and are fitted np
with every attention to the convenience of the visiters. Tho well from which the water is supplied to those who resort to Buxton is in a small building in the itylo of a Crecian temple, in front of tho west
wing of the Crescent. In tbe centre of this buildiug, called St. Ann's Well, is a white marble basin, into which tbe water issues from tbe gpring. By the side of this basin is a double pump, from which either bot or cold water may be procured witbin a few inches of each other. The water flows at the rate of 60 gallons a minute. Besides What is properly called the Buxton water there is a chalybeate spring. of a rough strong taste issuing from a chalky stratum on the north side of the river Wye, over which a neat stone structure bas been erected by the Duke of Deroushire. Mixed witb the otber this water proves purgative. A couduit for supplying tbe inhabitants with pure water for domestio purposes was constructed at tbe expense of the Duke of Devonshire iu 1840 .

The public walks at Buxtou, of which there is great varicty, are laid out with much taste, and ornamented with sbrubs and plantations. Around Buxton there are many fine walks and drives Sbirbrook Dell, Ashwood Dale, the Lover's Lenp, and other spots in the valley of the Wye are all interesting, and the neighbouring eminences afford very cxtensivo and boautiful prospects. The cnvirons of Buxton abound with natumal curiosities and rounatic scencry. The bigh perpendieular crags on the Bakewell road bordering the valley of of the Wye make that road the most interesting, as it is the most accessible of all the scenery in the immediate viciuity of Buxton. At the distance of about half a mile in a different direction are the limestone quarries and Pool's Hole. The latter is a cavern of cousiderable dinensions in, a limestone rock contracted in its entrance, but spacious in the interior. Its roof and sides are covered witl stalactites, ono of whieh more remarkable than the rest about the middle of the cave is called tho 'Fliteh of Bacon.' Here the cave agaiu contracts, but beyoud it becomes wide and lofty, as far as a large massy column of stalagmite denominated the 'Quecn of Scota' Pillar,' from a tradition that she stopped at this point. The further end of tbe cavern, comprising about 100 Jards, is not very accessible. The whole length is 560 yards. The sides of tho mouutain are partly occupied with dwellings excavated out of the ashes which have been thrown here from the lime-kilns. A cousiderable quantity of lime is burnt, and scut into distant parts by the Peak Forest railway. Tbe rocks about Buxton consist of beds of limestone and of lava or toadstone, which lio alternately one upon the other. Thero are many shops in Buxton for the sale of the mineral productions of tbe Peak, manufactured into various articles of ormnment and use, besides fossils and specinens of matural curiosities. Among tbese is a beautiful spar denominated 'Blue John, formerly used in repairing the roads, but now worked into tbe inost elegant vases. This spar is found in the neighbourhoorl of Castleton.

Buxton chureb is a large and graceful edifice of the Tuscan order, built in 1812 by tbe Duke of Devonshirc. An old building whieh originally served as the eburch was for a time used as a school after tho opening of the new churcb; but it has been restored to its original purposc. A new school-room has been fitted up by the Duke of Devonshire. This school has endowments which amount to $94 l$. per annum. There are places of worship in Buxton for Presbyterians, Independents, and Wesleyan Methodists, An excelleut institution at this place called the Buxton Batb Charity is for the benefit of persons in huinblo circumstances wbose state of health inay require the tise of the Buxton waters. Every visiter to Buatou is requested to givo a donation of one shilliug to this charity the first time of dining in the town, whether at au botel or a lodging-bouse. The number of visiters at Buxton varies from 12,000 to 14,000 annually. There are accommodations for nearly 2000 at one time. The scasou commences in June and euds in October. The market is held ou Saturday; fairs are held on February 3rd, April 1st, and May 2nd, besides a cattle fair on September 8 th.
(Rhodes, Peak Scenery; Adams, Gem of the Pcak; Land We Live In, vol. iii.; Communication from Buxton.)
BYBLUS, a town of Phcenicia, now called Jubeinl, situated nearly half way between Tripoli and Beirout near tho soa-coast, and at the foot of the lower range of Libanus. The town of Jubeill is iuclosed by a wall, some parts of wbich appear to be of the timo of the Crusaders. Within the eircuit, whicb is about a mile and a balf, there is au ancient Roman thentre in a nearly perfect state; fragments of granitic columns are lying about. The celebrated Jewish writer Philo was a native of Byblus. Myblus was the fabled birth-placo of


Thammuz, or Adouis, to whom it had a famous temple. The Hebrew name of tbe town seems to have been Giblah, and its territory is assigned (Josh. xiii. 6) to the Israelites, but they never got possession of it. Tho Giblites are mentioned in tbe Old Testament as stone-
equarers and canlkers of whly Alexander took Dyblum, whone king joibal the Macmloain Reet with lis alips Tlse city gare title to a Ginbop before it fell under the Mcolems. The coins uf Byblus have the trge of Antarte, or of Jiin, who carne to Byblus in queat of the bondr of Oniris

BYTOWK. Cansds Weoh the clief town of Carleton County, is situated in a rery beatiful jart of tho country on the Ottawa, near the junction of the Rideau Canal with that river, in $45^{\circ} 20^{\circ} \mathrm{N}$. lat.,
 $25 t$ mlles S.F. by lis from Toronto: thio populatiou of the town in IS31 was \%io. The lower town, which is tho older part, is that in which luafnea la geberally carricd on : the upper town is of more recent eroction ; is in dituated abont lualf a milo distnnt on a moro elernted site, a ad concirts rlaiefly of privato reaidences Considerable improvement bas taken place in the aprearance of Bytown of Into years. severd bandsome rtone buildings hare been erected. Tho town coptning places of worship for Lipincopalians, I'resbyterians, Wealcyan Morborliste, Daptiste, and Roman Cstholics; several schools, a commencial realing rooks, mencantilo library amociation, a courthoure, barruck a and a jail. Bytown is supported chiefly by tho lumber trade, a term applied to tho gystem of tonting large rufts of rough timber down the riven of Amerien to the depota and ports in the lower parts of their cours. Timber cut on erown-landa and brought down the Otlawa River in measurod at Bytown, and the owner gives bond to juy the duties at Qucbec. The value of timber brought down the river in one year, 1844, was estimated at 341,7561. About three-fifths of the whole being cut on crown-lands was liable to duty, amounting to about 21,0001. Fairs are hold at Bytown in April nnd September. Stramer ply between Bytown and Grenville on the Ottawa, and between Bytown and Kingston on the Rideau Canal.

BI'\%A'ST'IUM (Bufarrion, ou the coins sometimes Buaavtion), an encient Greek eits, which oceupied part of the site of modern Constantinople. It was founded by a Dorio colony from Megara in 2.c. $65 \%$. Tho city was washed on the east by the Bosporus, on tho wouth by the Iropontis, and on the north by the Golden Horn. Strabo, Pliny, and other ancient writers, speak of tho abundance of fish in the sea of Byzantium, especially of the Pelamge kind, which cosaing down in shome from the Palus Mocotis, and rouud by the enstern and southern const of the Euxinc, entered the Bosporis; and the harbour of Byzantium was called 'the Golden Ilorn,' in consequence of the riches 'derived!' from tho finhery. (Plin. 'Hist. Nat.' ix. 15.) Tho lyzantines alted the fish, which was an article of considerable trule The harlonr of Byzantium became a place of resort for veenels trading with the Euxine, the northem conets of which alrendy In the time of Herodotun supplied with corn, as they do now, Greece and other countrics of the Mediterranean.

In the reign of Darius Hystaspes, the Persian satrap Otanes took Byzantium and Chalcedon, an carlier Megarensinn colony on the opponite coast of the Bosporna After the battle of Plataea, Pausnnin at the head of the united Greek forces took Byanntium, and n freah colouy of mixal Atheniane mud Lacelfemonians was sent to it. Thin second eolony han given occanion to Justinns and other writers to eny that IByrantium was founded by Pauanias. The Lacedremonian kopt poseession of Byzantium till Pericles took it from them, bat thes retook it ahortly after. Alcibiades again got possession of It by a stratagatn and by holding communication with some persous withln tho place (1'lutnrels, 'Alcib.') Lysander recovered it soon afler, and it was under the Lacodrmonians when Xenophon, with the remnant of the 10,000 passed through it on his way home, and his men had a serious affrey with the Lacedremonian governor, which was With dimeulty nettled by the prudence of Xenophon. Thmasybulus drove the iacedscmouian away, B.c. 390 , and changed the forn of goverament, which wes before olignrehical, into a denocracy. Tho natlve Bithynian inhabitante were treated as IIclota. After the rocovery of in liberty, lbyantium necmas to linve prospered for a tinne, and it lweame, In Asc. 356, the head of a confederacy of tho netghbouriug maritime town, It nleo juined Ilsodes, Cos, and Chios in the league with K log Mansolne against the Athenlana, who sent an expedition againat IBrzantium, which however failed. Some time a for, lhilip of Macedon haring extended his conquests into Thme, laid ajge to bypantinm. The Byzantines mado a bold defence, and lhilipi arms becme diatrencel for want of proviaions aud mones. 1hilip reliored his wanta by seixing 170 ahlpm and confincating their cargo On edark nlght Philip's soldicm were near surprining the town, when a "light shone suldeuls from tho north," and revealed to the Inhalritanta their daoger. In gratitude for this the Byzantines lrilt an allar to liama, and easumed tho crescent as the emblem of thelr eltr. The ereacent in found on meveral medals of Byzantium, and the Turkn, on thelr conqueet of Constantinople, adopted it for thelr own device, Under Alexander the Great and Lyalmachua, who after Alexander' death succeeded to the government of Thrace, Byzantium wae obllged to submit to the Macolopians, but it afterwards recorcred it municipal farlependence, which it retained till the time of the Iloman emperom Itm maritlme commerce wes promperous, but it Whe exposed on the land ide so continual incurmions of Thracisun, Acythian, and other barbarinna, who raragod ite territors, cut down the harvent, and nerluced it to great dintreas. Tho mont troublesomo of thee tneumions wan that of the Gaula, who overran Maccionin
and siorthern Greoce about r.a. 25. Tho Byzantines, in orfer to have nomo rempite from them, wero obliged to pay heavy sums, from 3000 to $\$ 0,000$ pieces of gold a year, and at last as inuch as 80 talcuta. to sare their lands from being raraged in lanreattime. These and


Coln of Byzantiam. Brit. Mus. Conjer. 123 grs.


Brit. Mfus Silver. 200 grs .
other burdens compelled them to hare recourse to oxtraordinary measures for raising money, one of which was the exneting of a toll from all ships passing through the Bosporua, which becnine the cause of the war lectween Byzantiun and Rhoder, about B.C. 221. The Gauls at last weut orer to Asin, and left Byznutium in peace. The Rhodians, a maritime trading people, refused to pay the toll on their ships passing through the Bosporus, which led to a war with Byzantium, in which Prusias I., king of Bithynia, sided with the Rhodians, and Attalus I., king of Pergamus, took the part of the Byzantines. The latter had tho worst of it, and peaco was mado by tho mediation of Cavalus or Cavarus, king of the Gallo-Gracci.

Byzantium allied itself to Rome ngainst Philip 1f. of Macedonia, as well as against Antiochus aud Mithridates, In return for its services it was made a freo town confederate with Rome, and its envoys wero treated as foreign ambassadors Somo domestic disputos lowever occasioned an appeal to Rome from the losing paty, and Clodius tho tribuno carried a decreo enjoining the Byzantines to readenit the emigrants. Piso was sent to enforco this deerec, but his conduct thero appears to have been that of a hostile conqueror rather than of an ally and mediator. After Piso's departure the Byzantines resuraed their former independence. They were subject to a tribute however, at least under tho first emperors, which Claudius remitted for five years, in consideration of their losses cluring tho Thracian war. (Tacitus, 'Anu.' xii. 62.) In consequence of some fiesh domestic broils however Vespasian took away their liberties and rent then a goveruor, and wheu A pollonius of Tyana remonstrated with the emperor ous the subject, Veapasian replied that the Byzantines liad forgot ten how to be free. In the civil war between Severns and Peacennius Niger, the Byzantines took the part of the latter. After Niger's death Severus beaieged the tomn, which the inhabitants defeuded for three years with the courage of despair. At last frmino obliged thenn to surreuder (a.n. 106), and Severus treated them with his characteristic inhumanity. Tho armed men and the chief citizens were put to death, tho walls wero razed, and tho remaining inhabitants wero placed under the juriediction of Perinthus. Severus however relentod afterwands, and, visiting Byzantium, took pains to embellisli tho town; he built magnificent bathe, porticoes round the. IIippolrome and other buildiugs, and gave it the unme of Augusta Antonima, iu honour of his sou Antominus Bnaaianus. The Byzantiues having rebuilt their walls, and recovered their prosperity, hal next the misfortune of somehow displeasing Gallicnus, a worse inan than Severu, who entered the town under a promise of ampesty, and had most of the inhabitants masascred. Trebellius l'ollio mays that in lis time thero wero no old fumilies in I3zantlum, cacept those who had left the town befors Gallienus entered 1t. The town however was restored, and it repelled an irruption of tho (ioths, who lind entered tho lionporus uuder Claulins 11. Afer the defeat of licinius by Constantine, Byzantium surrendered to the latter; who was so struck with its situation that ho dotermined to luild a new city by tho side of old Iszantium, which ho called Nen IRoma, nod which he choso afterwards for tho capital of the cmpire. In May A.d. 330, the new town, which had been commenced only threo gears beforo, was dediented to the Virgin Jary, and the feasts lanted 40 days [Cosstasinsoplen]

Athenenn, AJJian, and other ancient compilers give rather an unfarourable accouut of Byrantine inorale nad mannern. Idleness and debauchery prevailed, the citizens apent their timo in tho market place, or in tho numeronn public loouses of the city, and let their housen and wiven to strangem. The mound of a fluto put them immedintely in a inerry mood, but they lled from that of a trumpet, and
their general, Leo or Leonidas, in the siege hy Philip, had no means of keeping them to watch and defend the walls but by causing the sutlers and canteens to he established along the ramparts. (Athenzus, x. p. 442 ; Alian. 'Hist.' iui. 14.) Byzantium wss full of foreign and native merchanta, sailors, and fishermen, whom the excellent wine sold in the town and supplied by Maronæa and other districts seldom permitted to return sober to their ships. A democracy of such jolly carousers could not be expected to he very strict and orderly in its administration, and it is recorded of a Byzantine demagogue that being asked in some particular case what was the law of the country, he answered, "Whatever I please." Dion says that the walls of Byzantium were built of massive square stones fastened together with iron bolts, and fitting so well together that the whole wall appeared
to he one hlock. The Byzantines at one time had 500 ships, several of them with rudders at both ends, so as to be able to steer either way without veering or tacking. Tacitus speaks of such vessels being used in the Euxine in his time. ('Histor.' iii. 46.) Byzantiuns occupied the most eastern of the seven hills ou which the city of Coustantinople is huilt, and it is supposed to have extended over the three regions of the city that lie hehind the present seraglio and gardens of the sultan. Diouysius Byzantinus gives it 40 stadia in circumference. The acropolis or citadel stood on the hill where the seraglio now is.
(Müller, History of the Dorians; Böckh, On the Public Economy of the Atheniuns; Soxtus Empiricus, Adversus Rhetores, 37; Codinus, Fragment of IIesychius on the Origin of Constantinople)

## Cabello. [Puerto Cabello.] <br> CABES, GULF OF. [KaABS.] <br> CABRA. [Cordora.] <br> Capiselea. [Balearic Islands.]

CABC'L (pronounced and sometimes spelt Caubool, also Kahool), the capital of the State of Cabul in the north of Afghanistan, is situated on the Cahul River, in a wide plain between 6000 and 7000 feet above the sea, in $34^{\circ} 30^{\prime} \mathrm{N}$. lat., $69^{\circ} 6^{\prime} \mathrm{E}$. long, at a distance of about 60 miles N. from Ghuznee, 200 uniles N.E. from Candahar, and 120 miles W. from Peshawur: population shout 60,000 . The city is flanked on three sides hy low hills, and inclosed hy a wall. The north-eastern quarter forms the Rala Hissar (Palace of Kings), a fortified inclosure comprising the residence of the Khan of Cahul, tho government offices, the palace gardens, and a small town. The outer town is about three miles in circuit, compactly built, chiefly with sun-dried hricks and wood to avoid the consequences of the frequent earthquakes. It is entered by four gates placed at the ends of the two principal streets that cross the city. One of these streets, rnnning northward, led to the once magnificent bazaars destroyed hy the British on their evacuation of Cabul, on which occasion also the Bala Hissar was greatly damaged. The city is divided into separate districts, each of which is walled, and may form on occasion a separate fortress, Iu general the streets are crooked, badly paved, and narrow; so much so, that two horsemen can with difficulty pass in some of them. The houses are two and three storics high, and, as in most parts of the enst, they have lat roofs: those of the wealthy are huilt round courtyards, and surrounded hy gardens. The tomb of the emperor Baber who made Cahul his capital is on a hill outside the city; it is surrounded hy large beds of flowers, and commands a nohle prospect: the tomh of Timur-Shah is a brick octagon surmounted hy a cupola. The plain about the city is laid out in orehards and gardens, which in some seasons of the year are very beautiful. The climate of Cabul, owing to its great elevation ahove the sca, is very cold in winter, which is long and severe. [Apgeanistan.] The summer is delightful. Cahul is the centre of a very active transit trade in Rnssisn, Chinese, and other northern products, which are sent hy caravsus to Hindustan and Persia. The routes hy which this trade is conducted and the items of which it consista are giveu in the seticle on Arcinanistan. Cahul has also important markets for the sale of corn, horses, cattle, and fuel ; it is particularly celohraterl in the eart for the excellenco and abundance of its fruits and vegetahles.
Cabul occupies prohahly an ancient site; sone think it to be the Cahura of Ptolemy. Tho Arahio historians mention it as the residence of a Hindoo prince in the 7 th century. It was taken hy Tamerlane about 1394, aud again in 1739 hy NadirShah, who plundered it. On the death of Nadir-Shah, Ahmed Khan, the founder of the Duranee monarchy, took possession of Cahul, and his son Timur made it in 1774 the capital of Afghsnistan. The events that occurred in the city during the late Afghan war are noticed under Apohaxistax.

## CABUL RIVER [Afoganistax.]

CaCERES. [Estremadra, Spastse.]
CACHA'R, a province in the north-east quarter of Hindustan, is bounded N. hy tho Brahmaputra River and Asam, E. by Manipoor and the Birmese territory, S. hy Silhet and Tiperah, and W. by the principality of Jyntia. This province is situated hetweeu $24^{\circ}$ and $27^{\circ}$ N. lat., and between $92^{\circ}$ and $94^{\circ}$ E. long. : its length from north to south is about 140 English miles, and its breadth from east to west about 100 millea.
Cachar, the ancient name of which was Hairumbo, is divided into Cachar Proper and Dharmspore; the first occupying the south and the second tho north part of the province. The country in general is mountannous; the greater part of the mountains in covered with forest treen, hamboos, and jungle, which frequently render them inacceasible; the passes are not practicable at all mersons, and few roads have been ioade in the district.
A great number of nruall ntreams bave their sources in the high lands of Cachar. Those in the eastern mountains unite and form the GEOG. DIV. VOL. IL
rivers Capili and Barak, both of which joiu the Megna or Brahmapatra : the Barak at the point ( $24^{\circ}$ lat., $91^{\circ}$ long.) where that river takes the nsme of the Megna. During certain parts of the year the Barak can be navigsted; in the dry season it is fordahle, the channel being ohstructed hy rocks; hut soon after the rains have set in the river has a depth of from 30 to 40 feet of water. From June until November considerahle tracts are inundated, and the difficulty of travelling is consequently increased.
The jungle fever, often fatal to Europeaus, is common in Cachar. It does not however attack the natives with equal violeuce. The country is thinly inhabited. The eutire populatiou has heen estimated at about 360,000 , hut the numhers sre liahle to constant fluctuation. The hest peopled districts are those uearest to the south-west, and a level tract in the north uear the Capili River aud adjscent to the town of Dharmapore.

Cospore, the modern capital, is 20 miles south from Groharge, the ancient capital of Hairumbo, in $24^{\circ} 45^{\prime} \mathrm{N}$. lat., $92^{\circ} 45^{\prime}$ E. long., on the banks of a small stream called the Madhura. The Raja of Cachar having in 1811 removed his residence to Doodputlee, a small town about 18 miles farther north, Cospore has since considerably fallen off. The town of Dharmapore, in tho uorthern divisiou of the province and ahout 60 miles from Cospore, was formerly a place of some strength, and eujoyed a considerable trade; hut the fort has now fallen into decay, the trade has in a great measure left the place, and its population has decreased.

Cachar was iuvaded by the Birmese in 1774, but the force first sent was destroyed by the jungle fever. A second expedition reduced the raja to suhmission, and forced him to hecome a tributary of the King of Ava. In 1810 the Raja of Cachar placed himself under the protection of the British. Some twenty years later the province hecame the scene of trouhle and confusiou. In 1830 the Rsjs Govind Chaudra was murdered by his own guard. By desire of the people, as well as to insure peace on the north-east frontier, it was determined to annex the province to the British empire. The affairs of the province aro administered by a native raja under the protection of the Company's government.
(Hamilton, East India Gazetteer ; Wilson, History of British India; Parliamentary Papers.)
CADER IDRIS. [MERToNETHSHIRE]
CADIZ, PROVINCE OF. [SEvilla.]
CADIZ, a city and sea-port, is situsted on the south-west coast of Spain, in $36^{\circ} 31^{\prime} \mathrm{N}$. lat., $6^{\circ} 17^{\prime} \mathrm{W}$. long., 70 miles S.S.W. from the city of Sevilla. It is the eapital of the modern province of Cadiz, which is sucluded in the ancient province of Sevilla and great divisiou of Andalucia. It is the see of a bishop, suffragan to the archhishop of Sevilla. The populatiou in 1845 was 53,922 .
Cadiz is huilt on the end of a low and narrow isthmus or tongue of land, which extends from the island of Leon (Isla de Leon), about 5 miles in $\Omega$ north-north-west direction. The rocky extremity ou which the city is constructed is considerably higher than the isthmus which connects it with the Isla de Leon; it has a circuit of six or seven miles, and is surrounded hy the sea on all sides except where it joins the isthmus. The whole of the western sides of the city, the isthmus, and the Isla de Leon, are open to the Atlantio Ocean; to the north and north-east the projections of the mainland form with the isthmus the Bay of Cadiz, which includes a circuit of more than thirty miles. The outer hay, the entrance to which is hetween the city and the promontory of Rota, distant about five miles, is exposod to the south-west, but the inner hay is well sheltered, and affords in most places good anchorage. Some dangcrous rocks called Las Puercas (the Sows) are seattered opposite the city, in the direction of Rota. The Guadalete enters the sea at Puerto de Santa Maria, whero the inner bay may he said to commence, and within this portiou the harbour is formed hy a well-constructed mole, hut is not of sufficient depth to allow largo vessels to come close up to the city. From Puerto de Santa Msria the coast trends south, and the hay hecomes narrower, the mouth being defended by the cross-fires of the forts of Mutagorda and Puntales. Here an ialet, which contaiued Fort San Luis, is divided from the mainlaud hy a channel called the Trocadero.

From the Tmouleno the bay awoop inwarle forming a amall lagy in the malalamb, where the Lown of l'uerto lien in nituatol, and opponite the marrow oheanel celleal the liio ile Sinnti l'etri, which dividen the Lala de Loom frome the mainlandi, and in cromed by a bridgo called the Pueate do \%urza (Ho the maiulanal, at the entrance of the lio de toant Metri, In Ia Carmes, one of the chiaf naval amonals of Spain, formerly a mation for tho owrracks, or gallowns, an.l from the dockganle of which were eulmenuently flontexl the grame threorleckens moort of which were dentrosml by the ltritinh flocta during the last war with Spain. The lio do Saviti Petri is very deep, and at the entranco from the Atlantio in defendel by a roek-built enstle. Fort Sian lavis, in tho inlet of the Trocadero, wha runch injured by Marslinal Victor, and arterwarla uttarly destroyed by the Duc d'Augoulome The fortifiontoas generally are at present in a state of noglect and dilapiniation.

The city of Calis is in form nearly a nquaro, each wide of which is about a mile and a laslf in longth. It in surrounded by ranparts, and has fire gates, one of which opens on the isthraus, which is itself internected about the middle by a deep entreuchment called the Cortalurn Between the ramparta aud the bay public walks hare boon formed. The principal walk, the Alamedn, is on the castern aide of the eity. It in planted with trees and providerl with seats, and is thronged on the fine oveninge. The ntroets are regularly laid out, montly eroscing each other at riglit-angles ; they are in general narrow, hat are woll paved and lightod. The principal ntreet however is of gooll width; it contains the Exchange (Bolsa), the houses of the nobility and cbief merchants, and is the great resort for mon of business and loungers during the early part of the day. It is connectod with the principal equaro (Plaza San Antonio), which though not large is handsome, surrounded by large bouses, and planted with trees, with marble sonta beneath them. The houses of Cadiz are built of a white stone, which gives the city a remarkably bright and clean appearance, and the frontr of most of them are painted, and have balconies furnished with cartains to ahade the inmates from the sun. The supply of wher for general purposes is from rain oollected in cisterns, bnt good water $\ln$ abundance is brought in boata from Pherto Santa Maria The lighthoune of San Sebnestian is on the western nide of the city; it rises $1 i 2$ feet from the base, and is visible in clear weather at a disrance of 20 milea. From the top of the Torre de la Vigia the white and amokeless city, rith its look-out towers (miradores), its flat roofs, and firga, is seon to great adrantage.

Cadiz contains two cathedrak. The old one was built in 1597. The net one (La Nueva Catodral) was conmenced in 1720, by the corporation, to mupply the want of dignity of the old oue, but was not completerl tiil about 1840 . It is however of small size and poor architecture. There are two theatres (in the larger of which operas aro sometimes performed), and an new bull-arena (Plaza de Toros). The Museo onntnins about 100 paintings by Zurbaran, Murillo, Giondano, and othern, but they are not of the highent class. The chapel of the nupprewsed convent of San 1-maucisco contains the last work of Murillo, who fell from the scaffolding whito painting it, and died In consequepce at Sevilln There are artillery-barracks, a naval collere, a cuntom-houne, a Honse of liefuge (Cara do Misericordia), Whlch mometimes contains 1000 ininntes, and several smaller charitable establinhmenta. The city also containe a college, a school of navigation, and neveral other educational institutions.
Cadiz for a long periol enjoged a very high dogree of commercial proaperity. In 1102 tho impoits from Spanikl Amerien amoruted to 7, 295,5331 . ; but this commercial activity was alnost wholly dentroyed by the defection of the Spanish colonien at the commencement of the procat contury. The foroign trade, which in now in a ntnte of great depremion, arince out of the importatiou, in Spanish ships, of colonial produce from Cula, P'uerto Rico, and tho Ihilippine Inlandn; hides, oncoa, Indign, nad other prodnce from Sonth Amerion; salt-fish from Newfouadiand, in Langlish vewels : and inanufactured goouls from Eagland, France, and Gernany: liut agrat anount of thin lant branch of trale it contrabanil. The exports consist inomtly of wine, olivooil, fruita, malt, and quelek milver. In 1849 the export of nhery nmounted to 130,170 batta. The nanual value of the exports is merter 2,000,000., and that of the limporta (exelnxive of the onntrabnid traile) is not mueh more than $1,000,000$, Mail.nteamers go once a week betwend Caliz and the Canary Inlavils. The consting trade in carried on in small cran, not exceeding 60 tons burlen, which import provinions, grain, charooal, \&c. from the other maritime pmaincen, and expart colonial produce, and linen and woollen goodn. The mannfectures carried on in the city consint of monp, glane, compre woollen fabrice, ootton and silk goodr, wad hath. There are alno some mugerpefinerien and tapnerie.

Curlix is one of the moat andent towns in Furope. It was founded by the Phoviciass several hundroda of geare before the Christinn ens and wan the grout mart wheneo the tio of Britaln and other products of wentera fonrope were diatributed over the eantern world. The Phrorician name of the town wurfarlir. The Greeks nansed it rabripa; the Romana Girdre, and uniler then it wan mado a municiplum, and became one of the richeat clties In the limaan exupire. It then received the title of 'Angurta Urha Julia Gaditana,' and was the neat of me of the four Conventum Juridici of Peotica. It was takea by the Gothr, and from them by the Soore. From tho Sloom it wan recovered by

Alonao el Sabio, Septenber 14th, 1262. It has often been bexieger. It was taken by avenult, pilliged, andl burnt by the Fangliah in 1598 . It was long blocknded by admiral blake, who thore captural two galleons lmilon with treasuro, and sunk eight others. Two linglish expeditiona ngainat it failed, one iu 1625 , and another in 1702 It was Invented by the lirench during the Peninaular Wiar in 1810, amd the inrestment continned till August 25th, 1812, when, in comsequence of the movernents of the Dinke of Wellington, the blockule was divcontinned, and about 1000 guns were destroyed, as well ns the vant workn at Chiclana, Puerto Santis Marim, and the Trocadero. In August, 1823 , it was lesieged by the Duc d'Angouleme, and in October the amme year was delivored up to him. The Fronch troopm retained possession of it till the summer of 1828.
(Strabo, iii. p. 168, \&c., ell. Cassub. ; Pling, Mist. Nat. iv. 22, \&c. Ford, Iltemibook of Spain ; Borrow, Bille in Spain; Napier, Peninsular 1Far.)

CADORE: [Brlavio.]
CADSAND. [\%reland.]
CAEN, the capital of the department of Calvados, in the north of France, the seat of a high court of appeal for the departments of Calvodos, Manche, and Orne, of tribunals of first instance and of commerce, of a chamber of commerce and exchange, of a provincial nniversity, an endowed collego, and an inferior achool of navigation, is situnted at the conflneuce of the Odon with the Orne, 127 miles W . from Paris, in $49^{\circ} 11^{\prime} \mathrm{N}$. lat., $0^{\circ} 21^{\prime} \mathrm{W}$. long., and has 40,569 inhabitants including the whole commune.

The city stands at a distance of 7 miles from the mouth of the Orne in the Engliah Channel. There is no evidenco of its exintencu before the 9th eentury, when it was called Cathon or Cathem, from which the modern nane is said to be derived. When Charlen the Simple in 912 coded Nonstria to the Northmen, Cacu was a large and important town. The Conqueror and his wife Matilda resided in it for some tine, and contributed greatly to its embellishment. The Conqueror coramencel the cautlo of Caen, which was finished by Henry I. of Englaud, and the towu became the capital of Lower Normandic. In 1346, coon after it had been walled in perhapm for the first time, Edward III. took Caen after a sioge, and plundered it. "The town was then," says Froissart, "large, strong, and full of dmpery and all other sorts of merchaudise, rich citizens, noble daunes and damsels, and fine churches." The English took it again in 141\%, and held it till 1450 , when it capitulated to Count Dunois. Since that time it has belonged to the Irench.

Caen in situaterl in $a$ level tract, shont wholly consistiug of uuinclosed fields of buck-wheat and other corn, extending with monotonous continuity as far as the cye can reach. The appearance of the town from a distance in grand, both from its cxtent and the number of towers and spires that rise from it. The atreets aro wido and clean, and the honses are built of stone. The finost streets are those of St.-Jean and St-1'ierre, which cross each other at rightangles, and lead right through the lown. The city in intereected by a crual from the Odon, which drives the machinery of acveral factories. The banks of the rivers are iu many places formed into walka, and adorned ly avemes of uoble treas. There are some ancient honses with the gable to the street, and prescuting on the front elaborate carrings of wood. The town has few fountains, the want of which is supplied by wells. Thero have been considemble improvements of late years in the outskirts of the town, which are facilitateal by the circumstance of stone leing quarriel in the immediate naighbourlood. Much of this stone is oxported fur building purposes to lingland. There are but might remains of the ancient walls mad towers by which the towu was defended. The bell of the Orne forms a tidolharbour, and ita bankw aro lined with quays Veasels of 200 tons ouls can come up to the town owing to the mand banks at tho mouth of the Orue, but ancanal in in course of construction which will admit larger crant; the funds for its completion wero voted in 1883.

In the Lown there aro several mplares; the finest am the llace St.-Nanvenr and the llace laynle, in which is a atatue of houin $\mathrm{X} I \mathrm{C}$ : The public buildings are interenting as well for their architecture as for their historical anmociations; and, owing to the solidity of the Nomman manonry, most of them date from an ancient period. The catherlral, one of tho finest ecclesiatical edificon in Normandy, is the ancient churoh of the abbey of St.Etienne, which was founded by the Conqueror botween 1061 and 1070. It connints of nave and aislen, tranmept and choir, terminating in a sanctuary of circular plan, shant of by a meroen, and enrrounded by elcyen chapela of ayinmetrical construction. Gifleries run along the whole lougth of the nislan. The deep portal, 月auked by two uiajestio towers, in greatly admired. The abbey, called nlon Abbaye-anx-llomuen, heing outside the town, was rogularly fortified in the 14 th century. It wan macked in 1502 by the Protestants, on which ocoation they domolished the tounh and dirpersed the bones of the Conqueror, who was buried in the abbey church; a mecond monument erected soon after subsinted till 1it2, when the few remains that had been recovered wore removed into the interior of the abbey, and a third monument erected over them; thim In ita turn wan demolished at the revolation of 1703. The abbey buildings aro now ocoupiod by the college.
Tho church of La-Trinite belonged to the former abbay of La-

Trinité, called also Abbaye-aux-Dames, which was founded by Matilda, the Conqneror's wife, in 1066. This structure is built in the form of a Latin cross; it is remarkable for the severe elegance of its architacture, and for the beauty of its nare; the sanctuary is raised several steps above the pavemeut, and is canopied by a cupola painted in fresco. Under the sanctuary is a crypt, the vault of which is supported by thirty-four massive pillars. A magnifieent mansoleum long stood in the centre of the choir in memory of Matilda, who was buried in this church; in 1562 her coffin and boness slared the same fato as the Conqueror's. A second monument ereeted to her in 1708 was destroyed in 1793. The buildings of this abbey have been turned into au hospital since 1823. The church of St.-Pierre is a strncture of different ages; its tower erected in 1308 is considered a masterpiece. The charch of Sti-Jean dates from the beginning of the 14 th century, and is remarkable for its tower, which leans seusibly to the north. The church of St.-Nicholas is considered the purest specimen of the Norman architecture of the 11th eentury extant. It has long been desecrated, and is now used as a shot-factory. Tho castle comineneed by the Conqueror, finished by Henry I., and afterwards repaired by Louis XII. and Francis I., still ranks as a place of defenee, though the keep and some of the towers were destroyed in 1793. The church of Nôtre-Dame, built by the Jemits in 1684 , in the ltalian style, is a very elegant structure. The angel hovering over the grand altar is considered to be fiuely executed. The Prefect's hotel, and the court-house, are elegant modern structures.

Other remarkable objects at Caen are the H0tel-Valois, now used as an exchange; the public library, which contains 25,000 volnmes, the museum, the botanical garden, the new fish-market, the abattoir, and the granito bridge over the Orne. The city contains many beantiful promenades, the finest of which are the Grand Cours, which runs along the Orne; the Petit Cours; the boulevards, which are shaded by horse-chestnut trees; and the Cours Caffarelli, which run along both banks of the new canal, and are bordered with fine trees.

The town is famous for the manufacture of Angora gloves, \&c. A writer in the 'Dictionnaire de la France' says that theme gloves are made of the down of the Angora rabbit, great numbers of which are reared in the country about Caen; they are plucked (plumen), he adds, every year, and the fur, which is gray or somotimea white, is worked up without either washing or dyeing. Its industrial products comprise also hosicry and lace, broadcloths, flannel, fine and table linen, cotton cloths, fustians, druggets, straw hats, cotton thread gloves, glazed pottery, porcelaln, room-paper, cntlery, \&c. There are several dyo-houses, brewcries, timber-jards, $\tan -y a r d s$, and slips for building small coasting vessels in the town.
Caen is au entrepot for salt. There is a considerable coasting and export trade in paving granite, and building stone. Other articles of trade are corn, wine, brundy, cider, clover-seeds, hemp, cattle, horses, poultry, butter, fish, salt provisions, ironmongery, steel and hardware, and millatones. A railway in course of conntruction from loosny near Mantes on the Paris-Rouen line to Cherbourg passes through Caen.
(Dictionnaire de la France; Annuaire pour 1853; Official Papers.) CAFRGWIR1EYY. [FLIKTBMBE]
CAFRLAVEIKOCK. [DUMFRIEsSHIRE.]
CAlillLEON, Monmouthshire, a marketown in the parish of Llangattock and lower division of Usk huudred, is situated ou the right bank of the river Usk, in $51^{\circ} 37^{\prime} \mathrm{N}$. lat., $2^{\circ} 56^{\prime} \mathrm{W}$. long.; distant 22 miles S.W. by S. from Monmouth, 148 miles W. from London by road: Newport station of the South Wales railway, which is 158 miles from London, is about 4 miles from Caerleon. The population of the town of Caerleon in 1851 was 1281 ; that of the entire parish of Llangattock was 1539. The living is a vicarage in the archdeaconry of Monmouth and diocese of Llandaff.

Caerleon is belioved to have been at an early pcriod the capital of Wales, and the seat of an archbishopric shortly after the introduction of Christianity into Britain. The Jomans had here a station named loy then Ises Silurum. Its sito is now for the most part covered with fields and orchards. A spaco of ground 222 feet by 102 feet, which has received the name of Arthur's Round Table, is conceived to have been a Roman amphitheatre. Portions of the ancient walls remain, about 14 feet in height and 12 feet in thicknese. The ruins of a fortress, said to be Norman, existed here about a century ago: portions of the buildings then shanding were 40 feet high. On an eminence by the river Usk are the remains of the ancient castle of Caerleon. Antiquitien of varioum kiuds, chiefly lRoman, have been dng up in the town and vicinity. Previous to the Reformation there exiated at Caerlcon an abbey of Cistercian monks.

The parish church has a tower of early Finglish date and style; the nave, aisles, and chancel are perpendicular. The interior has been modernised. The Wesleyan and Primitive Methodists and Baptists have placed of worship in the town. There are an Endowed school, a National, and an Infant school. A handsome building has been erected as a museum for Roman aud other antiquities. There is little trade in the town; tin-plate works give employment to some of the inhabitants. The market-day is Thnraday ; there are fairs on the third Wednesday in February, May 1st, July 20th, and Soptember

21st. St. Julian's, the residence of the celebrated Lord Herbert of Cherbury, is about a mile and a half from Caerleon.
(Cliffe, Book of South Wales; Communication from Caerleon.)
CAERMARTHEN, or in Welsh CAER FYRDDYN, the eapital of Caermarthenshire, a municipal and parliamentary borough, and the seat of a Poor-Law Union, is situated in $51^{\circ} 51^{\prime} \mathrm{N}$. lat., $4^{\circ} 19^{\prime} \mathrm{W}$. long. ; 218 miles W. by N. from Loudon by road, and 245 miles by the Great Western and South Wales railways. It stands on the riglit bank of the river Towy, or Tywi, near where that river bends to the south to empty itself into Caermarthen Bay. Caermarthen is a borough and county of itself. The population of the county of the borongh of Caermarthen in 1851 was 10,524. Caermarthen returns one member to the Imperial Parliament. The corporation consists of 6 aldermen and 18 councillors, who annually elect a mayor. For sanitary purposes the borough is governed by a Local Board of Health. The living is a vicarage in the archdenconry of Caermartheu and diocese of St. David's. Caermartheu Poor-Law Union contains 29 parishes and townships, with an area of 156,459 aeres, aud a population in 1851 of 38,119 .

Caermarthen has been identified with the Maridunum of Ptolemaus, one of the towns of the Demetre. Remains of two Roman eamps and several other vestiges of the Roman occupation have been discovered in and near the town. It was afterwards the residence of the princes of South Wales. In the contests between the neighbouring Welsh chieftains for the possession of the district, and in the wars between the natives and the Anglo-Saxons and Normans, the castle of Caermartheu was a post of importance, and frequently changed hands; in these struggles it suffered much. In the time of Charles L. the castle was garrisoned by the Royalists, from whom it was taken by the Parliamentarians. It was probably dismantled shortly afterwards, and allowed to go to decay ; part of it was however occupied as the county jail till towands the close of the last century.

The aituation of Caermarthen is very beautiful, and the inequality of its site gives it a picturesque appearance. Tho streets are irregular and steep, and many of them narrow; the leading streets however are well paved, and lighted with gas. The principal edifice is the guildhall in the centre of the town, a capacious modern building, raised on pillars, with a covered market underneath. The county jail occupies part of the site of the castle. There is a good market-place out of the town. A substantial bridge of several arches crosses the Towy, by which the road from Swansea entors Caermarthen. The parish church, dedicated to St. Peter, is a plain large building, with a square tower. Sir Richard Steele lies buried here. Some remains of a former church dedicated to St. Mary are still left, as also of two religious houses, \& priory of the canons of St. Augustine, and a house of Franciscan or Gray Friars. There are several places of worship belonging to Baptists, Wesleyan Mothodists, Calvinistic Methodists, Independeuts, and Unitarians; in most of these chapels service is performed in the Welsh language.

Sir Thomas Powell's Grammar school, founded in 1720 , is free to boys dwelling in Caermarthen and its ueighbourhood, and had 25 scholars in 1852. The college for the education of young men for the Presbyterian ministry had 25 students in 1852 . The South Wales Training College, established in 1848 at Caermarthen by the Welsh Education Committee in connectiou with the National Schoc! Society, had 42 students in residence in the college in 1852. There are also in the town National, British, and Infant schools; an infirmary ; and a literary and seientific institution.

There are tin works and iron foundries in the neighbourhood, and the trade of the place is considerable. The chief fisheries, which are mostly of salmon and sewin, are here carried on in coracles with drag. nets. Thequay extends along the banks of the Towy: the vessels which come to Caermarthen are chiefly coasters: the communication with Bristol is great. Vessels of from 50 to 150 tons burden are built here. Among the exports are timber, bark, marble, slates, lead-ore, bricks, grain, butter, and egge

General Sir Thomas Picton and Geueral Lord Nott were natives of Caermarthen. A monument to the memory of Pieton was erected on an eminence adjoining the town, but having fallen into $n$ dilapidated state it was taken down in 1846, and rebuilt on a smaller scale.
(Cliffe, Book of South Wales; Communication from Caermarthen.) CAERMARTHENSHIRE, a county of South Walem, situated in the western part of that principality, between $51^{\circ} 41^{\prime}$ and $52^{\circ} 9^{\prime} \mathrm{N}$. lat., $3^{\circ} 38^{\prime}$ and $4^{\circ} 48^{\prime} \mathrm{W}$. long., is bounded N. by Cardiganshire, E. by Brecknoekahire, S.E. by Glamorganshire, S.W. by the sea, and W. by Pembrokeshire. Its greatest length is about 53 miles, its greatest breadth about 33 miles. The area of the county is 606,331 acres; it is the largest of all the Welsh counties. The population in 1841 was 106,326 ; in 1851 it was $110,632$.

Surface, Ilydrography, Communications.--Caermarthenshire partakes of the mountainous character which is general in Wales, but the elevation of the mountains is not so great as in some other counties. In the northern part of the county a range, distinguished by different names, runs nearly parallel to the boundary between this county and Cardiganshire, about four miles within the county. This range separates the vale of the Teify from that of the Cothy, a feeder of the Towy. The highest point is probably Now Inn Hill, 1168 feet above

Tho level of the eme Nearly parallel to thin range, but moro to the wouth estot, is another imallor ragee, epmating the ralley of the Cothy from thu of the Towrs. To the soutb-ant of the In river la the rumge of the Mryydi ina, or Mhack Mountaina, of which the highent pritat. Chormarthemahle Vian, more correctly I' Fan or Ban Sir Gaer (the Cnentarthenative flencon), hat an elevation of 2598 feet. Beeides thes tbers aw to the morth-avit Talsars and Trecastlo Mountains and eereral detached emlnewcen

The conat-lise of Cuermarthemshive is wholly Included within Ceer. marthea Hay. This noble bay in 15 mile acrom, and affords good anchorase. The wentorn idde, wher is is shellered by Caldy Intind, whlch froms a matural brokkwater, merren an a securo harbour for ahipping, ex eope during easterly galos. The principal river of Caermaribomblro in the Tywi, or Tory, which rises in Cardiganshire in a lagy moras near or upon the border towards Brecknockshire; whence, sowing evethwand, and meeiving the waters of many brooks, it enters Coermartheuhire near the north-easlern extremity of tho county. Sier Lhandorery is recoiven the united stream of the sivers Braen abd Gwydderige or Gwthrig, and thus augmented runs to the southweet pant Llangadock and Llandilo-riwr, receiving many small feederi on cach Lank. Below Llandilo-vawr the Tows bends more to the wett, and fown to Canmarthen; this bend takes place at Grongar Hill, eelebreted by the pen of the proet Dyer. Between Llandilo-vawr and Caermarthen, the Tony recoives the waters of the Cotby or Gochy, the mont important of its feedern, and the waters of several othes stremar. From Caermarthen the river flows southward into the Biny of Caermarthen, its sestuary being combined with those of the Gwendreath-rawr and the Tare. The whole course of the Towy is about 80 milea, of which about 50 miles are in the county of Caermarthen. It in narigablo to Caermarthon town, about eight or nine miles up the river. This river abounds with fish, especially salmon, sewin, trout, and eeln; ano lampreys and lampern in the months of June and July. It affords great diversity and benuty of scenery. Its bunks are in many places well wooded. The Cothy rises on the border of the county towand Cindiganshiro, and has a south-west course of about 25 mile before it junction with the Towy. The Tave rises in I'embrokeshire, cant of Precelly Mountain, but has only a small part of its coarse in that county. The valley through which it flows is well wooded. Sear the village of St. Clear it receives the Cathgenny and the Cowin or Cowen. The Tave becomes navigable at St. Clear, and Lowa into Caermarthen Bay juat below the town of Laugharne; its whole cours is about 26 or 23 miles. The Givendracth-vaver (or Great Gwendrscth) rises in the hills which oceupy the southeast part of the county towands Glamorganshire, and flows south-west into Cecrmarthen Kay. The mouth is mueh obstructed by sand, which by its sccumulation has formed dangerous bar, much to the mjury of the trade of Kidwelly. Its course is only about 15 miler. The Llowghor rises in the Mynydd Du, or Blaek Mountains, sod dowing wouth-wert forms, during the greater part of its course, tho boundary between Ceermarthenshiro and Glamorganablre. It in a very copious stream from its source, near which is han a fall of 18 feet; and it receives noveral tributaries. Its nenfuary han the name of the river Burry. It is navigable to above Loophor, whieh la on the Glamorganshire side. It has been supposed that the illoughor nally inmen from a lake near the Coermarthenahire Vinn; and the apponition was confirmed by the circumstance that some huakn of corn thrown into the lake reappeared nix bours afterwand at the appareat nonrce of this river. The Teify divides this connty from Cardignnahlre.

There aro no lakes of any extent in Cacrmarthenshire. One on Mynydd-mawr (the Great Mountain) which overlooks the valley of the Towy is of circular form, about half a milo across, and abounda in tine perch and other fish. Another lake of very limpld water lies at the font of the stecp declivity of the Ceermarthenehire Van: It is remsekable for the beauty of the scenery by which it is surrounded. In greater depth in 16 fathonn, and its greatent dinmeter about a miln: it abousple with tine perch and cels of oxtraordinary size. It is tho cource of the Rawddy, a feoder of the Towy.

There are properly ouly two navigable rivers in the county, the Towy and the Tave: the navightion of the Lloughor and the Owendrmishriwr in confinel in reality to their sentuariea. There is oue short caval from Kidwelly to lilnnelly, with a cut to Pembroy Harbour; obe (the Cenrnarthennhire) railway 16 miles long from the limensone guarrio of Cartoll y Carreg lo Llanelly, where is a anall doak for whlpping : and another (the Llanelly) milway little men that 2 railes lomp, with a dock or benin at lis termination at Wnchynin Pool, near Llanelly. These milroede ane chiefly designed for cobveying the minernl produce of the county to the moa. The South Wale malway entern Ceorsoarthmanhire at li noutheantern oztromity near liamolly, and after maning Kldwelly proceeds up the ralley of the Towy to Conmarthen, and through tho moth weatern fide of tbe county in a mearly weitern diroction. It quite the county near Whitinnd Ahbey, a fow millen from Lampoter.

Carmartheoblite In Intemected In almont every direction by carmpikeroain Two mail-rowln, both leasling to Haverfordwert aod Xilform, crom the county; one panem through Oxford, Gloucenter, aod I3recon, eatew Caermarthenahir between Trocastle and Llando.
very, atad run by Llandorery and Landilovawr to Caermarthen; the
other through Bath, Brastol, Cowbridge, and Neath, enters Caermar. thenahire near Pontarddylais, and ruus to Cwernarthen. Tbin road is the chlof communleation between Swannea and Caernartben. There are neveral other important runds in the county.

Geoloyy and Mineralogy.-The southern part of the county bordering upon Glamorganshire and the sea forms part of the great coal-field of South Wales and the mont extensive of the con-fields of Great Britain, though yot comparatively little worked. The coal is chicfly what is called stone-canl; the large coal of this quality is uned for drying hops and malt ; the small coal called culm for burning limestone. Towards the coast the cosl is more bitumlnous Culm constituten the principal fuel of the district; it is mised witb clay till it hequires the consistence of mortar, and is then formed into balls of a moderate size, which are piled in tbe grate and give out a atrong heat. Iron-stone is procured from the coal-measures near Llanelly, where are considerable iron-works The nortbern outerop of a basin of carboniferous limestone crosses the colnty in a waving line, and at Caermarthen Bay divides the coal-feld into two parte, separating that whieh is in Pembrokeshire from that in Caermarthenshire and Glamorganshire. From this belt of limestone the farmers of tbis county obtain their lime for manure. Some marble of a blue colour slightly veined with white, which bears an excellent polish, is quarried in it: it is wrought into cbimneyopieces and sent to Bristol. The tombstones in the neighbourhood aro all made of it.
The old red-sandstone, which rises from beneath the mountain limestone, oceupies in the county only a comparativoly narrow strip of the surface bounding the coal-field and the limestone district to the north. About Caermarthen the roeks are chiefly of the Silurian system. Clay-slate and grauwacke-slate underlie the sandstone, and rising from benënh it occupy the rest of the county. (Conybeare and Ihillipa, 'Geoology of England and Wales;' Murchison, 'silurian Systom;' 'Memoirs of the Geologieal Survey of Great Britain;' 'Ordnance Maps;' 'Geological Map of the Society for the Diffusion of Useful Knowledge.')
Divisions, Torons, dec.-Gough, in his additions to Camdcu, says that Caermarthenshire contains six hundreds ; but this is not correct. There are altogether eight liundrods, uamely, Cathinog and Cayo in the north, Perfedd in the east, Iskonnen in the southeast, Carnwallon and Kidwelly in the south, Derllys in the west and south-west, and Elvet in the north-west. The three hundreds of Iskennen, Carnwallon, and Kidwelly form a distriet distinet from tbe rest of the county, baving a coroner of its own.

Thero are in this county one borough, Carrvartars, with its oon tributory borough Lhanelly, and six market-towns, besides the two already mentioned:-Kidwelly, Laugharne, Llavdilo-vawr, Liannovert, Llangadock, and Newcastle Emlyy. Those printed in small eapitals will be deseribed in separate artieles; the remainder we shall briefly notiee here.

Kiduclly, or Cydweli, a borough, is upon the Gwendraeth-vechan, or Losser Gwendracth, near its junetion with the Gwendraeth-vawr 8 miles S. from Caermarthen : the population of the parish in 1851 was 1648. Old Kidwelly was once surrounded with walls and had three gatem, one of which is yet standing. The trade of New Kid. welly las deelined, owing to the sand obstructing the uavigation of the river. The church, dedionted to the Virgin Mary, is in the new town, and is a plain ancient structure containing an aisle and two ruined transepts: there is a tower at the west end sumnounted by a spire 165 feet in hoight. A good stone bridge erosses the Gwendracth. vechan. The ancient castle occupies a rocky eminence on the nestern side of the Gwendraeth-vechan: its external appearanee is grand aud imposing; it is on the whole in tolerable preservation. The maguificent gnteway towards the west which formed the prineipal entrance is yet standing. This fortress is said to hare been built about the close of the 11 th ceutury by a Norman knight who had assisted in the conquest of Glannonganshire. There is a Free school. Some slight remains of a religious houne are traceable. Kidwelly has several Dissenting meeting-housen.
laugharne is on the right bank of the sestuary of the Tave, about 121 miles from Cacmarthen: the population of the parish in 185I wan 2011. The town la buile on the edge of a marah open to the sea, and backed by high grounds: it coutains a considerable proportion of nospectable housens. The parish church, dedicated to St. Martin, is largo and hundsome. The enstle of Laugharne is a pieturesque and noble ruin. It was probably built by some of the Normnn lords who Invaded thin coast soon after the Conqueat: it was an object of frequent hostility in the wars between the Welsb and the linglish, and was ngain contested in the war between Charles I. and the Parliament. There are also the remains of a building called Roehe's Cantle, but nupposed to have been really a monastery. The town of Laugharne is ineorporated. The trade of the place courints cbiedy of the export of small quantities of butter and corn. There are sereral Dissenting places of wordhip and some parochial ondowments. This town was tho birthplace of an eminent political and theological writer, Dean Tueker, who died in 1799.

Llangadock, or Man Gadog Paver, Is in the vale of Towy, near the junction of the Sawddy with that river, about 81 miles from Llandilovawt: the population of the hamlet of $\Lambda$ bove Sawtbe, whlch contains the town of Llangadock, wha 825 in 1851. The town oecupies a
delightful situation, and has a very respectable appearance. The church, an old and substantial edifice, is dedicated to St. Cadog, whence the name of the town is derived. There are several Dissenting meeting-houses. A modern bridge of five arches crosses the Towy. Coal and limestone are worked in the neighbourhood. The coal is aent partly by canal to Swansea, and exported from thence. A short distance to the south of Llaggadock is a hill called Tri Chrag, or the Three Hillocks; on the summit are three barrows, whence it has received its name; near them are vestiges of a British encampment.
The village of St. Clear, 9 miles from Caermarthen towards Milford, is situated at the confluence of the Gynan with the Taf, and exports a considerable quantity of corn, butter, and other agricultural produce: the parish had in 1851 a population of 1240. There are some remains of an alien priory of Cluniac monks. St. Clear had once a strong castle, the site of which is indicated by an artificial mound of earth. This village attained considerable notoriety a few years back from having been the head-quarters of the 'Rebecca' rioters. Abergwilli, two miles E. from Caermarthen, is a small town, in which is the palace of the bishop of St. David's. There is an Endowed school in the town: the population of the parish in 1851 was 2325. Pembrey, on the right bank of the Burry astuary, 12 miles S . from Caermarthen: the population of the parish in 1851 was 3310 . In this parish is Pembrey Harbour, or Burry Port, which has been rendered capable of containing 80 large coasting vessels. A small mineral railway connect some mines with the harbour, and a canal unites Pembrey with the Kidwelly and Llanelly Canal. The coal-mines and ironworks furnish considerable employment. Perryside is a small watcring place on the left bank of the restuary of the Towy, about 8 miles S. from Caernarvon. The parish of St Ishmael's, iu which it is situated, had in 1851 a population of 968 . Ferryside is a good deal resorted to for bathing by the inhabitants of Caermarthen, and is a very quiet pleasant little village.

Divisions for Ecclesiastical and Legal Purposes.-This county is in the diocese of St. Darid's, and for the most part in the archdeaconry of Caermarthen; a rery small part is in the archdeaconry of Cardigan. The number of parishes, according to the population returns, is 76 . The county is divided by the Poor-Law Connmissioners into five Unions :- Caermarthen, Llandilo-vawr, Llandovery, Llanelly, and Newcastle-in-Eralyn. These Poor-Law Unions include 83 parishes and townships, with a population in 1851 of 123,738 . The area included within the boundaries of the Unions is larger than that of the county. The connty is in the South Wales circuit ; the sssizes are held at Caermarthen, also the Epiphany, Easter, and Michaelmas sessions; the Midsummer sessions are held at Llandilo-vawr. County courts are held in Caermarthen, Llandilo-vawr, Llandovery, Llanelly, and Newcastls-in.Emlyn. The county returns two members to the Imperial Parlinment; before the Reform Act it returned only one. Caermarthen with Llanelly returns one member; and Newcastlo is united with Adpar (Cardiganshire) as a contributory borough to Cardigan.

Mistory, Antiquities, dec.-To the Roman general Julins Frontinus are ascribed two Roman roads, the 'Via Julia Maritima' and the 'Via Julia Montana,' which cross this county ; the first near the coast, probably through Neath and Loughor (Glamorganshire), and Caermarthen; the second, more inland, by Llangadock and Llandilovawr. These roads seem to have united at Maridunum (Caermarthen), and thence to have been continued to the neighbourhood of Menapia (St. David's), probably in a direction nearly due west. Other Roman roads have been traced. Near Llanboidy, west of Caermarthen, are the remains of a British or Roman camp, at the entrance of which in 1692 were found 200 Roman silver coins, of early date, buried in two leaden boxes just under the surface of the ground.

The Romans appear to have been aware of the mineral riches of Caermarthenshire. On the left bank of the Cothy, near Pumpsant, is a mine called the Gogofau, or Ogofau, which, according to the traditions of the county, was wrought by the Romans in search for gold.

After the departure of the Romans this district was iucluded in tho principality of Ceredigion (Cardigan) ; but in the 9 th century it was subject to Rhodri Mawr, or Roderick the Great, who united the
whole of Wales into one kingdom. Upon the division of his territories among his three sons, Ccredigion, including Caermarthenshire and nearly all the rest of South Wales, fell to tho lot of Cadell, the seat of whose government was at Dinns Fawr, or Dynevor, where Rhodri had built a palace. The division of Wales among the sons of Rhodri was a fatal step; dissensions broke out annong tho brothers; Cadell conqnered Powis (a district between the Wye and the Severn), the heritags of his brother Merfyn. He was himaclf subsequently attacked by his other brother Anarawd, king of Gwynedd, or North Wales; and in this war Caermarthenshire was ravaged by Anarawd with a powerful force supported by some Saxon anxiliaries. Cadell was succeeded in 907 by his son Hywell, who subsequently united the whole of Wales under his sccptre; and became, under the name of Hywell Dda (or Howell the Good), celcbrated as the legislator of his kingdom. A fresh divinion of the kingdom after Hywell's death brought new troubles; the occasional re-unions which resulted from mere force were not permanent; and to the misery of these civil broil were added the ravages of Danish invaderm. In these contests

Caermarthenshire had its share, and two reuiarkable engagements were fought within its borders; one in 1020 at Abergwilli, near Caermarthen, in which Llewellyn, at that time sovereign of the whole of Wales, defeated and slow a Scottish adventurer, Run, who personating one of the Welsh princes had raised a force among the disaffected chieftains; another in 1021, in which Llewellyn defeated two native princes, who were supported against him by the Irish and Scots, but fell himself in the action through treachery. This battle was fought near Caermarthen. Thronghout these contests Dynevor continued to be the seat of government for South Wales.

Some years after the conquest of England by the Normans, the great feudal lords whose possessions bordered upon Wales began a eries of encroachments upon tho principality of South Wales, by which it was gradually reduced to the counties of Caermarthen and Cardigan ; even these were for some time in the possession of Henry I. of England. A considerable part of the principslity of Dynevor was given up by Henry I. to a Welsh prince who appears to have been a feudal subject of the crown of England. Gradually the princes of Wales sunk into the character of subjects of England, and their hostilities with each other and with the neighbouring Norman lords assumed more the character of the struggles between a powerful and restless nobility for territory or pre-eminence than of the resistance of one nation to the aggression of another. In the wars between Llewelly"n, prince of North Wales, and Henry III., Caermarthenshire became the scene of contest; and in a severe action the English, who were besieging Dynevor castle, were entirely defeated by the troops of Llewellyn, aided by some chieftains of South Wales. In the final contest between Llewellyn and Edward I. the Welsh were entirely defeated near Llandilo-vawr, and Llewellyn was subsequently beset by the English and killed while apart from his army. When the complete subjugation of Wales took place in the reign of Edward I., Caermarthen became the seat of courts of law which that prince established for South Wales. The subsequent revolts of the natives were repressed and punished as acts of treason. During the revolt of Owen Glyndwr, at a subsequent period, Caermarthen castlo was taken by a body of French sent to support that chieftain.

Of the troublous period which preceded the conquest of South Wales this county possesses several memorials in the baronial castles, the remains of which are so numerons. Those of Caermarthen, Kidwelly, Laugharne, Llangadock, Emlyn, and St. Clear, have been already noticed; Dynevor and Carreg Cennen are noticed under LrandiloVawr, and Llandovery uuder Llandovery. Two others call for notice here, Llanstuffan, or Llan Stephan, on a rock of great height on the right bank of the Towy, nearits mouth; and Dryslwyn, in the vale of Towy, on the right bank of the river between Llandilo-vawr and Caermarthen. Llan Stephan Castle commands the entrance of the river; and from it there is a fine prospect on the one side towards Caermarthen, and on the other towards Tenby in Pembrokeshire, across a fine bay. The ruins form a picturesque object, whether viewed from the land or the water; and there is sufficient of them to show that the area inclosed by the castle walls must have been large. The ecclesiastical ruins at Caermarthen, Kidwelly, and St. Clear, have been mentioned; to these we may add Tallagh or Talley Abbey, in the vale of the Cothy, founded by Rhuys ap Gruffydd, prince of South Wales, who died in 1197, for Premonstratensian canons; Albalandc, or Whiteland Cistercian Abbey, on the left bank of the Tave, the time of whose foundation is disputed; the yearly revenue at the dissolution was 153 l .17 s .2 d .

In the civil war of the 17 th century this county, together with tho counties of Pembroke and Cardigan, was held for the king by Richard earl of Carberry. The Parliamentary forces opposed to him were commanded by General Laugharne, who took from the Royalists the castles of Caermarthen and Laugharne. At a subsequent period Laugharne went over to the Royalists ; and upon his defeat with his coadjutors by Colonel Horton, several skirmishes took place in Caermarthenshire as the defeated party retreated towards Pembroke castle, where they were besieged by Cromwell and forced to surrender.

There were in 1851 three savings banks in Caerraarthenshire; at Llandilo, Llanelly, and Newcastle-Emlyn. The total amount owing to depositors on the 20th November 1851 was $30,162 l$. 17s. 4 d .

CAERNARVON, the chief town of Cacrnarvonshire, and the capital of North Wales ; a port, borough, market-town, and the seat of a Poor-Law Union, in the parish of Llanbeblig and hundred of IsGorfai, is situated on the enst side of the Menai Strait, in $53^{\circ} 9^{\prime} \mathrm{N}$. lat., $4^{\circ} 15^{\prime} \mathrm{W}$. long. ; distant 235 miles N.W. by W. from London by road. Bangor, the nearest railway station, 8 miles from Caernarvon, is 238 miles from London by the North. Western and Chester and Holyhead railways. The population of the borough of Caernarvon in 1851 was 8674 . The borough is governed by 6 aldermen and 18 councillors, one of whom is mayor, and with the contributory boroughs of Pwllheli, Nevin, Criccieth, Conway, and Bangor, returns one member to the Imperial Parliament. The living of Llanbeblig is a vicarage held with the curacies of Caernarvon and Waenfawr in the archdeaconry and diocewe of Bangor. Cacrnarron Poor-Law Union contains sirteen parishes and townships, with an area of 43,405 acres, and a population in 1851 of 30,211 .

At Llanbeblig, about half a mile from Caernarvon, aro the remains of the Roman station Segontium, or Caer-seiont. Only some fragments
of the walle now exigh of which on the south aide there are extenolve furtjons io a tolemlly perfect state. In 1845 a lloman villa and bacbe wore traced, and a nnmber of coina foumd, including one ctrock on occaion of the mubjugation of the Jewish pooplo by Vespusinn. A well is the seighbourhook otill bears the name of 11 elean, the wother of Couptantine in the local mosermane deposited numeroun apodimene of gold and copper coim, personal ormanuenta, and other liounan nemains diecovered on tho wite of the ancient Segontlam. A Roman ruad lo meill trmemble fearling to Dinme 1)inorddwig, A Roums station a few uniles to the ent. On the lent bank of the Delunt is a lRoman for etill uearly entire. The walls are about 11 foet hlgh and 6 feet thick, with thre parallel rows of circular boles about 3 inchee in dinncter running all round the walla.

Cnermarron owea lea lmportasce, if not alno its origin, to the erection by lilwand 1. of the cavte, agreat part of the remains of whllch still exint. The erection of the cantle was commenced in 1285 or 1284 , aod the wurk was carriel on during the succeeding 10 yearm: the wall of Segontium firuibleel a part of the materinas flmestone was brought from Angleagy, and other matorials from Vaenol, between Cnernarron and lungor. At Cnernarron, In 1284 , the first linglish - 1'rime of Wiales, afterwanls the unhappy Fidwand 11., was lorm. Upon an insumection of the Welsh in 1294, under Madoc, an illegitimate con of Llowellyn prince of Walea, the castlo and town were taken by the Welah, the Emgliah Inhabitanta massacred, and the place burat. After thin the works appear to have been commenced afresh, avel continued till their completion. The tower called the lingle Tower, from the Ggune of an cagle carved on it in stone, was completed $\ln 1817$; it could not therefore have been, as popularly suppoeed, the birthplace of Edwarl 11 ., the first l'rince of Wales. The cantle was defended for llenry 1 V . against Oweu Glyndwr, by two Welah captains, to whom it had been intrunted. In the civil war of Cbarles I., and the I'arliament the castle was alternately in the hands of the oppowing jartiea, but in 1640 it was taken by the Purliamentrians who retained jrosession of it.

The external walle of the castle are nearly entiro, inclosing a space of 3 acres, of an oblong shape: they are from 8 to 10 feet thick, and havo within their thickness a corered gallery with loopholes for the discharge of arrows. There are in the cireuit of the walls 13 emlattled towers with turrets: some are pontagonal, while others bave six or eight alden. The principal entry to the castle is by a gateway origimally defended by four portcullises, under a masy tower, on the frumt of whlch in a matne of Exlward I. The interior of the castle is much dilapldatod: but tho walls have been recently repaired under the direction of Mr. Salvin, and it is now carefully preserved. The mayor of Cearaarron is during his term of office deputy-governor of the castle.

Cacrnarvon was made a free borough by Edward 1. The charter dated September 1284 was the first granted by Fdward 1. to Wales. The umine of the borough, Caer-yn-Arfon, signifies the town or fortreas In Arfon, the district opponite Anglesey. The town walls are defended by ruuad towers, and liad originally only two gates: other openings lane been subsequently made to form a communication with the sularbe on the enst, which have no far increased as to make a new towh. The atrecta are narrow but regularly laid out, crosaing each other at right anglem; they aro well pared and lighted. Much imprurement has taken place in the appearance of the town of late years. Ontaide the cown wall and slong the nhore of the Menai in a terrace extending from the quay to the north side of the town; there is here landing-pier, recently builh. Another pier projects into the Sciont. The guild-hall is over one of the ancient gates of the town. The county-hall ta whlch the semizes are beld in a commodious building; the county prison is amall A county court is held in tho town. There aro imarkethowo and a corn-market. An eatablimhment for warm and cold baths, with reading-room, dc., hm been constructed af a cont of abont 9000 L by the Marquin of Anglosey.

At the parish church of Llanboblig divine service is conducted in the Wioloh language; at St. Mary's, the chapel of eane In Cacrnarron, the merrioen ane ln lingllinh. There are seven places of womhip for Lhemter, at one of whlch (the Wenleyan) the services are conducted Is Fiuglioh. Movel Xational echools wero erected in Cncruarvon in 1818 at a comb of 3000 . There aro two other Jiational schoola, a lifitiab mebmol, as Infant mobool, ard a liagged school. An institntion for iralning Welsh natlonal echoolonatem had 21 atodenta $\ln 1852$. A mochanio Inetitation aml two realing rooms aro supported in Charnarwo, and there lo an excellent local mnneum in oonnection with the Coernarran, Anglemey, and Merioneth Nataral History Society.

There to thatsfacture of any importance In Cacrnarvon: the chief trale to the esportation of copperore and of alaterfon: the quarrie of Llanlerria and IANallyfui in the interior. The average annual amount of slate exportat lo 90,000 tom. The nutnher nad tombage of remela rigivercd wh lelonging to the port of Caernarvon on I Mecomber 31 in 1832 were-under 80 tove $17 \%$, tonnage 3607 ; above 50 lose 245 , commge 21,675 ; and 1 themm vensel of 88 tom, 1 huring 1852 theve entered at the purt in the conting-trado 1312 miling reavela, consage 50,100 ; and cleareol 283 of 9814 tons: of Intan revela there calernd 14 of 3822 toma; and cleared 30 of 2689 tona, In the colorifal and foreign trale there entered 28 reseln of 3966 tonn; and cleand 90 of 8650 loon. The port has been much improved, and
there ls a railroad from the Blate-quarrics of Tallymen and Llanllyfni to the town. There is an extenaive iron and bras foundry. Shipbnilding in cartied on. Some of the Inhabitants are engaged in fishing.

Caernarvon in resorted to as a bathing-place, and many genteel familice reslde in the town and neighbourhoorl. It is also one of the towns generally visited by tourists in Wiales, for whone accommodation there ane excellent hoteln. The communication with Auglesey is kopt up by a small stemmer which plies cvery half-hour during the day. Caeramrson has two weekly marketa, on Wednemlay aud Saturdar that on Snturday is of nost importance. There are five annual fairs
(Parry, Cambrian Mirror; lingley, North Hales; Cliffe, Book of Norlh Hales: Communication from Caernarvon.)
CAERSAIRVONSHIRE is situated at the extremity of the maiu land of Walea, being farther to the north-west than any other connty except the islaud of Auglesey. It lies between $52^{\circ} 4^{\prime \prime}$ and $53^{\circ}$ 21 N. lat., $8^{\circ} 40^{\circ}$ and $4^{\circ} 45^{\circ} \mathrm{W}$. loug. It is bounded on the N . by tho 1rish Sea; on the N.W. by the Menni Strait, which separates it from Angleacy, and by Caermarvon Bay; on the S. it is bounded by the great l3ay of Cardigan, which forms on this coast the smaller brys of Aberdaron, Hell's Month, Ceiriad Road, and St. Tudwal's llond; on the S.F. it is bounded by Merionethelire ; and on the F. by Desbigh shire, from which, fer a large part of the boundary, it is soparated by the river Conway. Caernarvonshire is thus on every nide, except the cast and nouth east, washed by the sea; while inland the boundary is for the most part formed by two streams, the Couway aud a at reaun which separntes Cacrnarvonshire from Merionethshire. There are three detachod portions on the east or Denbighshire side of tho Conway: one of these at the routh of the river comprehends the promontorics of Orcat Ornes Head and Little Orne's llead. Tho form of the county in an irregular oblong, having its greatest length about fify-five miles and its greatest breadth about twenty-two niles. The county contains 370,273 acres: the population of the ceunty in 1841 was 81,093 ; in 1851 it was 57,870 .
Coast and Islands, Surface, Ifydrography, and Commanications.There are no remarkable headlands on the const, cxcept Great Orme"s Head, near the ruouth of the Conway. Penmaen-mawr, a lofty mountain, rises abruptly from the bench, between Conway and langor; the high roml winds nlong its sidc, and the Chester aud Holyhead railway is carried through it by a tmmnel and cuttinga, From the foot of Penmaen-mawr the lavan sauds extend toward Bangor, and contract the narigable part of the otherwise wide north east entrance of the Menni channel. South-west of Caernarvon a tongue of low land projects into the Monai, and with its cennected sands, narrows the navigation of that channcl in the south-west eutrance. In the south-western extremity of the county the Braich-5-Pwll, the promontory of the Cancani (Kayкavar dxpor) of l'tole mxus, abruptly rises from the ocenn. To the north of this craggy const, there are numerous litelo croeks or inlets which form safe retrents for fishermen; about this part is abundauce of sanphire which sheep and cattle eagerly food on and grow very fat. Tho herring, the lebater, and the dory are canght on this coast. Opposite to the headland of Brnich-y-Pwil is the small ishand of Bardisey, on which was a religlous establishmeut of very carly date. The neutheastern boundary of the connty is inere irregular than that to the north-wont: nearly half of it is wahed by the sea. From the headland of P'onrhyn DQ the coast strctches to the worth-enst, being for the most part low aud sandy, eapecially at the point where Cacrnarvonshire and Merionethshire meet, where a sandy inlct or wash is traversed by one or two atreams which here fud no outlet to the sen. Across theso mads is a passage clangerons indced, but shorter than round the head of the inlet. Not farfrom the promontory of lonrhyn D 0 are the two small inlands of St. Tudwal; on the larger of the two, now inlabited orly by aheep and rabbits, and in the season by puffins, was formerly a roligiuus house dedicated to St. Tudwal.
Caernarvonshire is traversed in its whole length by mountains, some of which are the loftient in South Britain. From the western side of tho mouth of the Conway the mountaing run soutli-west, recoling gradually from the coant, and presenting in succession the following summits; Tal-y-F'an and l'enmaon-mawr ( 1540 foct), Cornedd Llewellyn ( $34 \% 1$ feet), Carnedd Dafydd ( 3429 fect), Glider Vechan and Olider-vawr, Snowdon ( $35: 1$ fect, the hlghest mountaiu in South Britain). From Snowdon the mountains vary their direction a little, no an gradually to approach the coast ; the chlef aummits are Craig Goch, l3wlch-mawr ( 1673 feet), Gyrngoch, and livell (1867 feet), Whlch is clone upon the more. These summits miny be considered as belonging to the main rauge of the Caemarvbushire or Sinnwionian mountnins. l'rom the maln mass of Snowdon, a branch ruuning in tho diroction of the town of Cacrantron has the summit Mool Lifio ( 2806 foet). Other branches from the central mane occupy the greatent part of the interior of the couuty, and catond into Merionethshlre.
The name of Snowdon is the Saxon tramalation (Snawdun, 'Snowmountaln') of the ancient Welnh name Creigic'rlira, accerling to Penmant; but mome other Welsh writers anake the mative namo to signify the eagle's rook or hill. Snowdon in the centre of the great mountnin rango which traverwes Caernarvonshire from north-enst to month-weat. Its highest proint is named Y Wyddfa, the Consplicuous,
and is 3571 feet above the level of the sea. From this central point deep cwms, or hollons, their sides in, separated from each other by pices; in the hollows their sides in many places forming lofy preei Llydaw, ths largest of the several tarns or mountain lakes. Llyn The view from tho summit of Snowdon is of exe than a mile long. Besides a large part of Nort including the Isle of Auglesey Ingleborough Mountains in feet, the riew is said to embrace the land nad Cumbountains in Yorkshire, the mountains of Westmorthe mountains of 1 rie whole of this wide space cannot of course be seen at coast. The when the sun is above the cannot of course be seen at any one time on a clear day. Some of the other mountains of the mange are, as already shown, very lofty, and form noble and picturesque objects. The almost inaccessible fastnesses of this district formed the last stronghold of the native Welsh; and when Lidward I. penetrated into the recesses of Snowdonia ths struggle was virtually at an end. To atteat the importance attached to the castles, the ruins of which stil The She importance attached to the posseasion of this wild district coutinued a royal forest till 1640 , when it was disyal forest, and it ranger and deputy-ranger are still appointed.
From the small size and peuinsular form of this county, and the consequent nearness of the mountains to the sea, the rivers are sinall lakes or mountain tarns, Many of them rise from or expand iuto lake or pool. The Conway, or Cyn-wy, that is, 'ehief water' Lyn, Toisobius of Ptolemaus), rises is that part of the county whieh lies between Merionethshire and Denbighshire. Llyn Conway, from which it flows, is about a mils long and threequarters of a mile broad, surmounded with deep bogs and mnases of rock, and producing a sort of char or red trouk. From the south corner of this lake ths river flows with great rapidity, and is swellsd by many amall streams from the neighbouring sereral fine cataracts. Bellow the jonway itself, are distinguiahed by Curis, the Conwacts. Below the junction of the Llugwy, near Capel thonavigation commences, and reccivgson the left (Denbighshire), where flow from the llyns or lakes of Caernasponshire, and render it navigath to vesaels of abont 100 tons, with freights of timber and slates. Near its outfall the river widens into an aestuary, nad flows under the walls of Conway Castle into the Irish Sea. Its length is about 28 or 30 miles, for 12 or 13 of which it is navigable. The Glus Llyn rises from the Ffynnon Llas, and flows for the most part to the south-west into (Merionethshire). Near its source it forms a is altogether one of the most romantio rivera of Wales, It passes through Llyn Gwynnn and Llyn-5-Dinas, two lakés in a most beautifu] valley. A portion of the sandy soil at the mouth of this river has been reelaimed by means of an embankment. The whole course of the Glas Llyn is about 16 or 17 miles. It is navigable to Pont Alows north-west through Lises on the west side of Snowdon, and of Chernarvon. The Scionf, rising from the same mountain, flows in a similar direction throurg tho two lakes of Llanberris into the Msnai at Cownarron: the Llyfni, which has its sourcs also in Snowdon, flows west through the lakes Llynniau Nant-y-llef, or Nantle pools, fows throurgh Bay: and ths Ogreen rises in Mount Trevaen, and There are Llyn Ogwen into the Menai near Bangor.
There are no canals in Caernarronahire. A railroad connects the Penrhyn slate quarries with Port Penrhyn, near Bangor; another ennnects the slate quarries of Llsnllyfni with Caernarvon; and another connects the slate quarries of Glogwyn- J-Gigfran with Port skirts the northern part of the county from and Holyheal railway miles leyond Bangor, whero it croeses thom Conway to about two tnbnlar bridge, and enters Angleney. The parliamentary roal from London through Shrewsbary to ILolyheal crossee the county in i north-west clirection from the river Conway, near Bettw-y-Coed, to the snapension-bridge over tho Menai near Bangor. From this road there is a branch on the right from Bettwn to Llanrwst and Couway, There are sevsral other important from Capel Curig to Caernarvon here are sevsral other important roals.
reology and Mineralogy.- The rocks of Caernarvonshire belong is composed of the Cinmhrian system. Almost the whole of the county risomposed of the Cimbrian mlates and related rooks. Slate is quarcounty. Roofing-alates and writing-slaters are procured, and chimney piers and a great variety of fancy articles are made. Slabo ara proeured large enough for tomb-atones and paving-labs. Grauwncke, morphic rocks wlth veins of at Snowdon, and elsowhere. Along occur in the mountainons region, between Caernarvon and Bangor is a strip of carboniferous limestone of which also the Great and Little Orme' Head ars composed. Mica and elnlorite slates, of the primary or Cambrian slate systemed. are met wlth along ths south-wontern onait from Porth-dynnlaen to Braich-y.
Pwll ; and alno by the Menal Strait south-weat of Bangor. Between

Conway and Bangor the old red-saudstoue is found: it also forms th shire. Extensive co-Pwll. Copper is the chief metal of Caernarvonthe sides of Snowdon. Lead is worked on the Orme's Head and on betwecu Llanrwst and Capel Curig. Divisions, Towns, de,-C
The south-west extremity of the eount is divided into ten hundreds of Commitmaen or Cymytmasn. county is oceupied by the hundred Dinlaen or Dinlleyn on thassn; adjaesnt to this are the hundreds of gion on the south pies the remainder of the coast of Cardigan Evionydd or Y fionydd oecuGorfai or Gwrfai, Is Gorfai, or of Cardigan Bay ; aud those of Uwch. the north-west coast, each extending far and Llechwedd Uehaf, oeeupy vale of the Conway is occupied by the inland: the upper part of the lower part by that of Lleehwedd Ise huudred of Nant Conway, the of the Conway forin the huudred of ; and the parts on the coast east

The eounty town is Caervarvon Creuddyn.
235 miles N.W. by W. from London the shore of ths Menai Strait, four marketrtowns, Pwh. from London. There are one city, Baxaon, new town of Tremade noticed here: the other Criccieth, Nevin, and Tremadoc may be titles. Criccieth or Cricieth towns will be found under their respective miles south from Casrnaryon by the road of Cardigan, about 24 parlinmcutary borough, which is cout road. The population of the in 1851. It is a poor stragcoling place regarl to order, and having nothing worthy of notilt without any of the aneieut eastle, which was g The castle stands on an eminas rebuit by Edward I. about 1286 bably of some importance from its jutting into ths sea. It was proNevin or Nefyn lies on a sinall bay on the N. There is a Free school. 21 miles from Caernarvon along the cons. . coast of ths county, parliameatary borough, which is contributory Ths population of the 1854 in 1851. It was made a free borough by to Caernarvon, was Prince. Fdward I. had just after the couquest of Wales. The town grand toumament here, gling houses; it has a smale. The town consists of a few stray. chnreh is a plain building; and there little or uo commerce. The houses. The market is on Saturday, are several dissenting meetingand there are four anuual fairs. supposed to have been used by-Lleyn, or Dynnlnen, nesr Neviu is apparently the work of the Romans, may be as strong entrenehments, bourhood. The bay affords excellent shelter, for which the neigh thousand vessels have availed themselves of it in the course purpose The pier serves as a breakwater.

Tremadoc, a place of quite modern dats, is 20 miles S . by E. from Caernarron. The population of the parish of Ynyscynnaiarn, whieh npon a portiou of ths Tranth Portmadoc, was 2347 iu 1851. It stauds river Glas Llyn, recovered fromw, a sandy wash at the mouth of tho Madocke, Esq., who built the town sea by the enterprise of IW. A Madoc (tre, a houso, homs, tows, which he gave his name, Tre out the towu in the form of on ths east side, a handsome building, with the upper a market-houso good assombly-rooms. Ou the other with the upper story laid out in houses: a church in the pell-built senters, a bank, and a cood in market on Friday. 4 mile ind are to be found here. There is a which has come to be a chief ports for the export of slates cousiderable size, and one of tho bathing. There aro good quays at Portmadoc, at which refor sen300 tons can lie. Slates, lead, and copper-ore are exported. Timber coal, and lime are the priucipal inports
A few of the villages may be briefly noticed :-Aberdaron lies iu ths south of a bay near the extremity of ths promontory of Lleyuthined south-wsstern termination of ths couuty. Tho entire parish con thined 1239 inhabitants in 1851, but ths village itself consists merely parish since 1841 is aceount dscreaso of 111 iu the populatiou of the here in remarkably fine. The for by emigration. Tho const sceuery stands close by tho sea, and is a pioturen, a Norman structure, from Aberdaron is a cromlceh of much interest fing. A few miles form of the cap stono. Beddgelert, 13 miles $S$ SW from the peaksd population 947 , one of tho head-quarters of tourists in Caernarvon, is very retired, and in ths midst of in of tourists in Forth Walcs, brated pass of Aberglasllyn is in of much graud scenery. Tho eelewas a priory of Augustine monks. nighbourliood. In this villago Borldgelert. Bethesda, about 12 miles modern village which has grown mapidly 12 . from Caornsrron, is a wrog parish, in which Bethegd is Bethesda owes its rise to ths nsichbouring slat was 2823 in 1851 Cefn, in Nantfrancon, the largest in the ling quarries of Braich-y broad street, numerous shops ans for Dissenters. Betteres, a chureh, and several places of worship E. from Caernarvon, population 478 in 1851 , is ths Wood'), 23 miles near the picturesque bridge of Pont-y-Pair, and is one of the Lugwy visited by tourists. The of Pont-y-Pair, and is one of the places Siabod is sesn to great advantage. Six milss west from Bettwis-y. Moel is Cupel Curig, \& vary small villags oonsisting of hardly a dozen houses,
with a litule olunch, it being a chapolry of the extonalire parint of Idandegh. It poseres howores one of the hargent and beat hotols int the primeipality, and io a forourito ntation with tonrinta and anglers. A tae riow of Snowlon, nerom the Laken is obtained here Many eololireted or pietureeque ecoses and ohjects are in the vicinlty. Clymaeg, D milen SW. from Caeraarvon, populntion 1650 in 1851, in alcuncat in a pictanmeque apot os the conot of Cacranrron Ray, and is nomotitmen chowe for a summer resideaco. The church la an ancient eruciform elifice Here is mald to haro been a religious cetahlinhmeut nu carly as the Oth ovetnry, founded hy SL. Bueno. An ancient ehapel to now mied an a school-powes. In a feld botwoon the ehurch and the mot the lisch wen eromplech: eeveral other antiqnitios are In the meirhbourtool. Llomberris, 10 milen W. hy S. from Caornarron, prpulation 1111 in 1851, is generally chosen as the point from which the necout of Snowion is commenced. There are two hotels at Wanberria The village la a poor atraggling pince. The ehurch bas bow swowaly rewtored. There are extensive slate quarries bere, and aleo copper mines The Llanberris lakes form the largest shoot of - wieer in the county. Dolbadern Castlo stands on a rocky eminenco at the hend of the marrow ntrip of land which dividen the lakee. Tho magnificont puan of Lisnberrin is at the cast of the village. LAamiudno in a villaso om the eatern side of the promoutory forming Great Orme'o Hoad : the populatlon in 1851 was 11s1. Llandudno is a very arqnesterod place in a rather wild spot; but the bay is open, rery benatiful, has good mady beach, and is said to he well adapted for bathing. There are seremal Britinh antiquities in the vieinity.

Dirisions for Eedesiastical and Legal Purposes.-The numher of parishes given in tho population returns is 63, and there are five pariotes whieh are partly in this and partly in the adjoining counties, Denbigh or Merioneth. Siarly the whole of the county is in the diocese and archleaconry of Bangor. Caernarvonshire is divided hy the Poor-Law Commissionory into four Unions-Bangor with Beaumaris, Czornarron, Conway, and Pwllheli. The Unions contaiu 88 parialies and townships, with a popnlation in 1851 of 97,710 ; hut the boandarice of the Unions are not strictly co-extensive with those of the county.

Ccaranrronshire is in the North Wales circuit. The essizes and sosionan aro held at Ceranrron. The county returns one member to the Imperial Parlinment. The borough of Caernarron, with its consrihutory boroughs of Conway, Criccieth, Neviu, and Pwllheli, and the olty of Bangor, returns one member. County courts are hold at Rangor, Csernarron, Conway, Pwllheli, and Portmadoc.

Hinery and Amipsities.-Thero is some difficulty in detarmining hy whet tribe of astive Eritons Caernarronshire was inhahited at the loman conquest. The neighbouring districts of North Wales were peopled hy the Ondoricest, and wo Incline to comprehend Caernarrouwhire in the territory of that sribe. Ptolemmus mentione the Conway under the name of Toinohius. The Romass crossed this county under Suctonlus Paulinus when they attacked Mona (Anglesey), aboat 4.13. 89. The Ordorlece were not however subdued until the time of Agricols, who nearly extirpsted them about A.D. 78. In the -Itinerary of Antoninus' two atntione within this county are giveu; Sogontlum, now Caet Selont [Cazrmarvon]; and Conovium, now Ceor-Rbun, near Conway, whore Roman hrieka have been found inucribod tuso. x., and tho foundations of huildings discovered. The Pritimh or Celtic romains are aumerous. Vestigea of camps and hill forte occur in soveral places, espocially y bout Snowdonin. Castell Ciaer Lleion, on the summit of the Town Ilill, ahout 2 miles from Conway, exhibits conedderahlo remsins of a British citadel. Braieh-y-Dinas, on the summit of I'enmaen Mawr; and Tre'r-Celri, on the sumnit of YrFiid, are alro remarkable examples of British fortressea. There are soreral erominchan and ntone circlea. In the division of the territorien of 1tholri Mawr, or Roderiek the Great, betweeu his sons (1.D. 877), Cismenarronablro forined part of the kingdom of Gwyaeld (latin Venelocis) or Sorth Wales, allotted to Ansrawd. When the comsation of the zorthern piraciee allowed the Finglinh kings (now of the Sorman moo) to tarn thoir arms agninst Walon, this county, from its romote situstion, diffouls secoes, and mountainous charaeter, became the lant enylasm of the Independence of Walos. It was bowever subdaed hy Filwarl 1. In 1293. In the subsequent revolt of the Weleh mader Maloc, the illegitinnto mon of Llewellyu, prince of Wales, Cartanroon was Laken, aod the Eaglish aettlers massacred. Conway esitle wa benleged, but withont effech.

Dolbedern Cavtle, supposod to bo of British origin, is on a rocky menlsence near the junction of the two lakos of Llanberrin of 1)olwyildelan Cisele, the renidence la the 12th century of Yorworth Drwndwn, and the hirth-place of the famous Llewellyn the Great, litele more than one of the towers remainas The fouudations of Dignawy Castle, near Groat Orme's Ilead, may be tracod. The older part of l'enrhyn Centle, uear Bangor, is of the time of Henry Vi., and up to the perion of the alteratlons made some yearn slnce pre. sonter a fair npealmon of the domastic architecture of that thene.

Comenarrowhife has very fow monantio rulna Thore was a priory of Black or A ugurtine Cnaons at Meddgelert, supposed to be the oldest religions foondation la Walen sxcept Barliogy, hut there are fow remention of it Bardnoy lale also pomomed an extennive religious -lablishraent, hut of it also there aro fow restigen remaining.
There wero is 1951 earinge banke at Portradidoc and Pwlheli. The
total amount owing to dopositom on the 20th of November 1851 was 14,692l. Pe. 3d.
CAFIRPHILLY. [GLAYoroasimire]
CAERUWYS [FLINTAMME]
C.ESAREA-PHILIPPI. [Panzas.]
C.ASAREIA, a city and sea-port of aneient Pulestine, foumded by Herod the Great, and so nameel in complimeut to Angustus Ciesar, was situated on the const of the Lovant, about 22 miles S . from Mouut Carmel, near the point $32^{\circ} 32^{\prime} \mathrm{N}^{\prime}$. lat, $84^{\circ} 54^{\prime} \mathrm{H}$ long. A town namal Turris Stratonis previously occupied part of the site: this was enlaryed and embellished with white marble palaces and other large huildings common in important Roman provincial Cowna The city, which had a teraple to Cæsar aud Rome, a rock-hewn theatre, and a circus, was huilt round a large harbour, the greatent wonder of the place, which was formed here hy Herod, at a point of the coast where before there was only all opsn roadstead. The entrance to the harbour was on the north, and it was shaltered from the south-wont winds hy a massive mole, constructed with enormous hlocks of stone. These great improvements raised Cwsareia to he the metropolis of Palestine, and here Roman prefects and titular kings of Judrea had their seat of governmeut. It received the name of Flavia from Vespasian, who planted a colony in Cresareia, hut the old name always provailed, it was at Cosareia that "the door of faith was first opened to the Gentiles :" the eity early hecame a metropolitan see, aud was conspienous for the firmness of its mnrtyrs and confessors during the persecutions of the Christians. Eusohius, the father of ecelesiastical history, weas made hishop of Cassarcia about A.D. 315. Ciesareia continued to be a place of considerahle importance duriug the crusadea, and it was one of the Christian strongholds along the coast. Among the ruine which now cover all the site may be tracod the ancient walls; the wall and ditch of the Crusaders' town, which was of less extent than the ancient city; the substructions of a cathedral which stood on a platform near the centre of the town, previously oceupied hy the templo to Ciesar and Rome; massive fragments of the towera and substructions of the mole; and prostrate columas of granite, porphyry, and marble, which formed the portico of the terrace-walk aloug the harbour. The ruins of Casareia bave long served as a quarry, and its stones have been carried away to huild the houses and fortifications of Jaffa, Acre, and Sidon. (Dictionary of Gredk and Roman Geography.)
CAESAREIA. [Kaisariyeh.]
CAFFA. [Kafra.]
Caffrarla. [Kafpraria.]
CAFFRSTAN, properly KAFFIBISTAN, a region of Asia extending eastward from the valley of the Panschir, between HinduKonsh and the Himalaya Mountains, which respectively separate it from Kunduz and Badakhshan on the north, and Cabul ou the south. Its bouudary to the east is prohahly the Kuner River, which risiug lu the Mindu-Koosh near $36^{\circ} 10^{\circ} \mathrm{N}$. lat., $72^{\circ} \mathrm{E}$. foug., ruas south-weat, and hreaking through the Himalaya Mountaias joins the Cahul River below Jellalahad. To the east of the Kuner is the mountain region of Chitral. The Hindu-Koosh runs like a gigantic wall along the north of Kaffiristan, its crest rising far ahove the snowr-lins; the depressions in it which form tho passes into Kunduz and Badakhshnu being open only during a few months in summer. The Himalaya on the other hand is ront hy many deep breaches, and uumorous rivers whicl drain the valley: of Kaffiristan break through it on thoir way to join the Cahul River. As may be supposed, Kaffiristan is a land of mountains and valless, and exhibits great extromes of tempernture and olimato. On the Hindn-Koosh the snow remains throughout the summer, while the thermometor in the aearest valloy stands nt $113^{\circ}$ Fabrenheit. There are no roads, properly speaking, the ouly travelling being along foot-trackn, which are frequeutly obstructed ly rirom and mountain-trennm, and these are crossod either by wooden bridges or by awing bridges ande of the pliant withes of troes.

No oultivation ls carried forward on the hills, some of which are coverell with pine foresta, while others afford sustenance to numerous flocke of gonts. The valleys are uostly of small exteut but very fertile, and produce abundaut cropm of wheat and millot with large quantities of grapes, which form an lapportant ohject of eultivation. Theso valleys belldes furnish pasturaje for sheep and eattle. The wild animals of the country aro similar to thoso montioned under Badaxisbaax.

The accounta we have of the character and bahits of the Kaffirn are ehiefly derived from the various tribes of Mohamnodnns by whom they ane surrounded, and with some of whom they are frequently at war. In their permons the Kaffirs are a fine race of people, with handsonne featurem, hlue eyes, and fair complexions; the distinetiou made betwecn different tribed, tomo of whom are onlled Siah-Posh, or Black-vosted Kaffrs, and others White Kaffra, is derived from a peculiarity in the drens of the former, who clothe themselves in hlack goat-sklns with the bair outaide; other tribes wear dressee made of wlitto cotron.
As regards thoir civil government tho Kaffre scem to be divided into clana, each of whloh ls governod in all thinge hy ito own chlef, and ongagen at tlmes $\ln$ feuds with other tribes. The name Kafir (unholievor) is that hy whloh the Mohammedans distinguish them, at thoy have never bean abie to convert them to Inlanimo. Lieuteuant

Wood says that they are part of the wide-spread race of the Tajiks, who sooner than conform to the religion of the early Moslem invaders retired to the plain country northward, and finally settled down in this inaccessible region. Their hostile feelings towards their Mohammedan neighbours are no doubt of ancient date, and they are kept alive and embittered by the incursions which these are constantly making for the purpose of carrying off the Kaffirs as slaves. The governor of Badakhshan is bound by the conditions on which he holds his power of the Meer of Kunduz to mako a yearly inroad into Kaffiristan for slares. The Kaffirs in their turn are not slow to retaliate, and entering Badakhshan by the valley of the Kokcha they plunder villages and sometimes massacre the inhabitants. Pcace is sometimes made between the Kaffir tribes and their neighbours, when they are ready to extend towards their former enemies all the rites of hospitality. Their warliko weapons are a bow about $4 \frac{2}{2}$ feet long and arrows of reed with barbed heads, which are sometimes poisoned. For closer conflict they are each provided with a dagger and a knife : recently they have begun to adopt the usc of swords and muskets.
The Kaffir villages are mostly built on the slopes of hills, the houses, which are made of wood, being placed one above another, the roof of the lower house forming a pathway to the one above it. The Kaffirs sit on chairs or stools, never cross-legged like other enstern pcoples. Their Mohammedan neighbours testify to their intelligence, and say that one Kaffir slave is worth two of any other nation.

In their religion the Kaffirs are said to believe in one supreme God and in a future state; but they worship numerous idols, tho representatives of zreat men of former times, and who are supposed to intercede with the Deity in favour of their worshippers. When he dies the Kaffir is dressed in his best clothes, and is placed upon a bier with his weapons beside him; his male relations then carry him about with singing and dancing, while the females give themselves up to lamentation, after which the body is inclosed in a sort of coffin and left in the open air, usually under the shade of a tree.
A Kaffir man procures his wifc by purchase, paying to her father sometimes as many as twenty head of cattle, or shcep and goats in proportion. Domestic slavery is prsctised, the slaves being natives of Kaffiristan, somctimes taken ju feuds with hostile tribes, and sometimes being orphans of their own tribe, it being not uncommon for the more powerful men to seizo children who are unprotected, and either to sell them to some neighbouring country or to retnin them in slavery.

The more usual food of the people is hread, checso, butter, and milk; they likewise eat beef, mutton, and bears' flesh. They have a variety of fruits, among which are grapes, apricots, apples, almonds, and walnuta. Honey and wax are exchanged with the Badakhshis for salt. Wine is very abundant. They make three sorts of wine-red and white, and a kind having ncarly the consistence of jelly, which is very strong: both males and females are said to drink occasioually to excess. The fayourite annsement when they meet together is dancing : their muaic consists of a pipe and tabor.
Several dialects are spoken by the different clnns; but the base of their language, as among all the Tajiks, is Persian. No estimato has been made of the numbers of the people.
(Elphinstone, Cabul; Lieutenant Wood, Journey to the Source of the Oxus.)
CA'GLIARI (the Romau Caralis or C'arales), the capital of the island of Sardinia and of the province of Cagliari, is sithated on the south coast on the bay of Cagliari, in $39^{\circ} 13^{\prime}$ N. lat., $9^{\circ} 7^{\prime}$ E. long., and has about 28,000 inhabitants. The town is divided into four districts. It is built partly on the sea-side and partly on a hill, on the highest part of which is the castle-citadel, the vice-royal palace, the cathedral, and the residences of the nobility. From the Castello district to the shore is the Marina, a well-built region, in which the principal merchants and foreign consuls reside; here also are the bonding warehousea, amenal, and lazaretto. The two other districts of the city are called Stampace and Villanova; and besides these there is a suburb named St.-Avandré. Cagliari is an archbishop's see, which dates from the beginning of the 4th century. It has a university with faculties of theology, law, medicine, and philosophy and belles-lettrcs ; a library of 15,000 volumes; a museum with good collections of minerals, birds of the island, and medals; a college for the nobility ; a diocesan seminary; a grammar school; a theatro; and a mint. The cathedral, a large building rich in marbles, was built by the Pisans during their posseasion of the island. There are nearly 30 other churches, 20 convents, several hospitals, and an orphan asylum. The reale audienza, or high judicial court for the south division of the island, sits at Cagliari, as well as the commercial tribunal. The town enjoys great municipal privileges and revenues. The harbour is safe, and large shipa find good anchorage in the bay. Cagliari is the chief port of Sardinia, and almost the only one frequented by foreign vessels. It exports cheese, wine, oil, salt, flax, hides, and horses. The industrial prorlucts of the town are tobacco, cotton manufactures, soap, furniture, leather, gunpowder, \&c. Near Cagliari are extensive salterns.

Carales was founded by the Carthaginians, who no doubt sclected the spot not only on account of its well-sheltcred roadatead, but also
because of its opportune situation for communication with Africa. After the Roman conquest of Sardinia it became the chief naval station of the Romans in this land, and the residence of the pretor. In the war between Cæsar and Pompey Carales declared for the former; it was subsequently taken after a short siege by Menas, lieutenant of Sextus Pompeius. It continued to be the capital of the island during the Roman empire, after the island fell into the hands of the Vnndals, and all through the middle ages. A large salt-water shorolake to the west of the town, and communicating with the bay by a narrow channel, appears to have heen used in ancient times as an inner harbour. Among the remaius of the ancient city are an amphitheatre, an aqueduct, vast cisterns, a small circular temple in ruins, and on a hill outside the town numerous sepulchres.
The Bay of Cagliari extends northward from a line joining Cape Carbonara with Pula; the length of this line is about 22 miles, and tho depth of the bay is about 10 miles. It affords good anchorage and shelter from all winds except the south. Vessels lying close in near the shore are further sheltered by Cape St. Elias. Aloug the shore of the bay a great deal of salt is made.

Tho proviuce of Cagliari includes the southernmost part of the island, with a populatiou of 106,388 . It is bounded N. by the province of Isili, N.E. by that of Lanusei, and W. by that of Iglesias. The principal town besides Caghiari is Quarto, which stauds on the salt-marsh of Quarto, about five miles enst from Cagliari : population 6000. It is known for its Malmscy wine. The east and west districts of the province are mountainous, but the central tract north of Caghiari is a fine and rich plain called Campidano, watered hy the Ulla and its afluents. The Ulla enters the sea west of Cagliari. The air of tho plains is rather unwholesome in the summer months. A good carriageroad leads from Cagliari to Sassari and Porto Torres through the wholo leugth of the island.

CAHERSIVEEN, county of Kerry, Ircland, a market- and posttown and tho seat of a Poor-Law Union, in the parish of Caher and barouy of Ivcragh, is situated in a valley embracing an arm of the wea which runs inland from the northern extremity of Valentia har bour, in $51^{\circ} 57^{\prime} \mathrm{N}$. lat., $10^{\circ} 13^{\prime} \mathrm{W}$. loug., distant 227 miles S.W. from Dublin and 23 f miles W. by S. frou Killorglin. The populatiou in 1851 was 3155 , hut this uunser included 1293 persons iu the Uniou workhouse which is siturted iu the town. Cahersiveen Poor-Law Union comprises 22 electoral divisions, with an area of 197,541 acres, and a populatiou in 1851 of 29,090 .

The valley in which the town is situated is bouuded on the north hy mountains of considerable elevation, which separate it from Dingle Pay. To avoid these elevations the coast-rond from Tralee strikes off from the shore of Dingle Bay at Drung, from whence it passes inland through the valley of Cahersiveen. The road for a considerable distance is carried along the precipitous decivities of Drung Mountain at a height of 200 feet above the sea. A late emineut traveller states that this road "in the magnificence of its mountain and sea views is little inferior to any of the celebrated roads along the shores of the Mediterranean, and is in every way superior to the road from Bangor to Conway in North Wales." (Inglis's 'Tour in Ireland.') The town consists of oue principal street, with a cross street leading to the creck, on which thero is a quay with a small break water, and higher up is a pier for small craft. The roadstead for vessels of burden is two miles farther west, at Rinard Point, where the Cahersiveen creek joins the harbour of Valentia. The court-house and bridewell, and the Roman Catholic chapel and conveut, are grouped together at the eastern end of the torn. The parish church stands at the west end near the new quay. The chief trade carried on is in the import of timber, salt, and iron, and in the manufacture of flour, for which there are extensive mills half $\mathfrak{a}$ mile east of the town on the river Cashan.
CAIIIR. Tipperary, Ireland, a market- and post-town, is pleasantly situated on the bauks of the river Suir, at the enstern end of the valley betwecn the Galtees and the Knockmeledown Mountains, at the intersection of the roads from Dublin to Cork and from Waterford to Limerick, $10 \frac{1}{2}$ miles S. from Cashel : population 3719 in 1851. The town is remarkably neat and clean. The parish church and tho Roman Catholic chapel are both handsome edifices; and the sessionshouse, the bridewell, the market-house, and the schools are tastefully built, and add greatly to the appearance of the town: for much of this improvement the town is indobted to the exertions of tho Earls of Glengall, whose seat, Cahir Castle, is on an island in the Suir, and its extensive and beautiful grounds lie along both sides of the river. This castle is of very ancient date, and of large size ; it was taken by the Earl of Essex, by Sir G. Carey, and by Oliver Cromwell. It afterwards fell into a dilapidated state, but has been recently restored in a substantial manner and in correct taste. There are a Quakers' meeting-house, a fever hospital, a dispensary, a loan-fund office, and a police-station. A cavalry barrack is about a mile from the towu. The market is well attended. Fairs are held on February 8th, April 12th, May 20th, July 20th, September 18th, October 20th, and Decemher 7th, at which considerable business is done, particularly iu corn. Sevcral flour-mills in the neighbourhood employ many of the inhabitauts. A few milcs up the river aro tho ruins of Cahir Ahbey, founded, it is said, iu the reign of John.

CAHORS, a city in the south of France, capital formerly of the district of Quercy, now of tho department of Lot, is situated on the
right luak of the river Loh on a amall peninsula formed is a bend la cho stremen, In $11^{\circ} 26^{\prime} 82^{\circ} \mathrm{N}$. lat, $1^{\circ} 93^{\prime} 32^{\circ} \mathrm{F}$, long., 105 miles K. by $\mathbb{S}$ from lhanteaux, 359 miles $S$ by $W$. from Paris, and has 12, 102 lmhatianea Including the whole comminc. Cahom lo a very ascien: place lis name is erroneauly written Biboma in the Theodonins cible Ausoniun in lif "Clare Urbes' given it the truo Celtlo amac, Dinowa, and explains the meaning to bo 'a fountain mucrel to the gota ${ }^{\circ}$ It wra tho capital of the Calurei, from whom the modern name of the town, Chlom, and that of the province, Quercl, aro both derived. On tho downfal of the Roman empiro it eamo succeaslvely Linto the hamid of Gotbs and Frunkn; whs afterwards subject to tho coumts of Toulouse, thea to lta own biabop; was takeu by the English duriag their man in Frnnee, and retaken from thetn; nnd carried by amule and pillaged is 1580 by Ilenry IV.
The town is situated partly on a rocky eminence, and has steep, narrow, crookel streels The house in what is called tho upper cown are commonly built with terraces commanduig a wide prospect. Thano aro few remurtablo buildiugs: the catherlral is supposed to be the romain of an ancient lemple, with the addition of a portico and other parts of modern date; the theological ominary is a fine and lage buildiag. The other noteworthy objecta in the towu are-the former episcopal palice, now the residence of the profect of tho department; the theatre ; the publio library ; and an obelisk eracted in memory of P'enclon iu 1520, who studied in the nniversity of Caborr, which was foundod by Pope John XXI1., and has beeu long cupprewed. Your Romen romds inet at Cnhors, and one of tho grentest of liomau aqueducts brought water to the town from a distanco of 19 miles by a very winding courso across valleys and along mountain dides. It cromed the ralley of La lloque, near Cahors, by a bridge of three tien of anchen, the summit of which was uearly 180 feet high. There are atill some remains of this magnificent work. There are also a ruised theatre and baths; a marble altar in honour of Lucterius Loo, a intive of Divons, has been found in Cahore, and somo benutiful momies on the site of the IRomm baths. The fountain Divonn is still an abuadant pring, now called Des-Chartreux, from its having formerly belonged to the Carthusian convent. The stream from it drives cevernl milk before Its clear bluo waters join the muddy Lot. This founerin in ontaide tho modern town. The Lot is crossed at Cahors by three bridges, one of which called Pont Louis- Philippe replaces the old bridge of Notre-Dame. The Pont Valendre, so callor from the pernon who constrncted it in the 13 th century, is surmounted by three aquane tower, one at each end and one in the centre. Tho old ramperts are formed into a public promenade. Cahors has given tillo to a binhop since abont A.D. 257 ; the diocese includes the depart ment of Lot. Tho town is thancat of tribunals of first instance and of commerce, of a provincial universley and an endowed college. Tho chlef manufacture of Cahora are chins-ware and delft, colton-yarn, some woollen mtuffa, and leather; there ia also a considerable trade in lear-cobacco, wluo, brandy, tirfies, oil, cattle, and hides. The wiue of the nelghbourhoorl of Cnhors oombines deep colour with good Aavour and strongth: a great quantlty is sent to l'aris

## CaICOS 1SLAN゙DS. [Bamayas.]

CAIRNGOR3!. [Abenderssulre ; Baspfaname]
CAIRO, [Kamma.]
CA1STOR, or CASTO1B, Liucolnslire, a market-town and tho seat of a Ioor-Law Unlon, In tho pariab of Caintor, chiefly in the wapentake of Yarborough (a portion of tho prarish being in the wapentake of Walaberof) and in the parts of Lindsoy, is nituated in $53^{\circ} 30^{\prime} \mathrm{N}$. LeL, $0^{\circ} 15^{\prime} \mathrm{W}$. long., distant it miles S.N.E. from Liucoln, and 153 milen $\mathbb{N}$. by W. from London by road: the population of the parish of Culetor in 1851 was 2407. The living is a ricamge held with the curncie of Holton-lo- Hoor and Clixby in the archdeaconry and dioces of Lincoln. Calstor Poor-Law Union contains 78 parishes and cownatise with an area of 104,890 acres, and a population in 1851 of 34,078 .

Calator le supposed to have been the sito of a Roman station. It Wan called ly the Sexona Thong Cartor. Romin and Saxou antlqultiee have been dincoreral in the vicinity. The town etands on an elevated aica. The parinh chnrch, dedicaterl to St. Peter nud St. Y'aul, atand on Ciatle IIill, within the area inclosed in ancient times by a fortreas. Tho lower part of the tower is Norman, the uave and chancel aro early Finglinh, with inmertlons and additions in tho deco. raled and perpendlcular ntylas. The Indepondenta and Wealeyan and Primátire sleehodines heve placem of woraljp. The Grammar achool, founded in 1630, open to all hoye, line an Incomo of 2001. a year for the bead master and 1 lat for the mecond manter: the number of acholary in 185I wan 25. Chintor han Improved in appearance of lato year. Tho manufacture of chuirn of clrm and wh la carried on to a conniderablo axtent Saturiay in the marketrlay, but tho market in amall. Fairm, chiefy for cattle, are helel on the Setnrilare before l'alm Sunday and Whit-Sunday, and on old Michaelman Day: thee fairm aro weil atiented.

## CAlston [Nonroze]

CAIT1ISESS, the mont northern county of the mainland of Scotland; bounded W, by Sutherlawluhim and S. and S.Fa. by the North Xea, lles betweon $55^{\circ} 8^{\prime}$ and $35^{\circ} 40^{\prime} \mathrm{N}$. lath, $3^{\circ} 0^{\prime}$ and $3^{\circ} B 5^{\circ}$ W. long. In form it in triangular, laning ita greatent langth along the comst on tho mouth ient. length from north to eouth is about

40 miles, and its breadth from east to wost about 30 milen. The arva of Calthnees is 018 squaro miles, or 395,030 noren, of which upwards of 100,000 are cultivated or In panture, the rest being moor and mountains The population in 1551 way $38,709$.

Constine. -Tho const line is in genemal bold and rocky, and prosents uunerous indeutations or bays. On the north, where it is separated from the Orkneys by the Pentlaud Frith, the projectlons of the conat form two bold precipitous headlands; the one oul tho uorth-enst, callod Duncansbay 11 ead ( $55^{\circ} 39^{\prime} \mathrm{N}^{\prime}$. lat., $3^{\circ} 1^{\prime} \mathrm{W}$. long.), tho other on the morth-west, called Dunnet llead ( $58^{\circ} 40^{\prime} \mathrm{N}$. Int., $3^{\circ} 21^{\prime} \mathrm{W}$. long.) and the most northern polut of Grent Iritain. The dintance botwees these two promontorics is about 13 miles. The small island of Stroma, which is part of the county, and is abont a mile in length and half n mile in breadth, lies about 3 miles off the mainland. The navigation of the Pentland Frith is somewhat dangerous from the atrength of tho currents, and the recfs. On the north side of Stroma there in n small vortex or whirlpool, named Swalchie, and nearer the maiuland there are breakers, called the Merry Men of Mey, which nre probably produced by a current setting strongly on a hidden reef. The tall whito steeple of Canisbay, menr Dumeansbay Head, serves as a laul mark, aud there is a lighthouse on Dunnet Head. Tho Stalks of Duncansbay are two insulated colunns of freestone, detachol from the cliff, of which thoy originally formed a part; they are iuhabitei? during the summer by thousands of aquatic birda. Near Duncausbay Head is the ferry to tho Orkneys, a villago consisting of a few housas and a place of entertainmeut, called the Houna Inn. What is termed John O'Groat's Houso is a piece of green turf on the east side of Duncansbay Head, on which it is posible a house may have stood, but there has long ceased to be any traco of it.

Formerly the only harbour on the east coast was at the mouth of the river of Wick, $53^{\circ} 24^{\prime} \mathrm{N}$. lat., $3^{\circ} 5^{\prime} \mathrm{W}$. loug. It was sumall and inconvenient. In 1810, a harbour capable of containing a huudred decked vessels was constructed at $n$ cost of $14,000 l$., but being fouud inadequate, a uew one wrs planned and completed in 1831, at a cost of upwards of 40,000 h. There are small harbours at Sarclet, a few miles to the south of Wick, and at Staxigoe a few miles to the north On the north coast, in addition to the harbour of Thurso (58 35 N. lat., $3^{\circ} 32^{\prime} \mathrm{W}$. long.) where vessels of 12 feet draught of water may lie, a commodious harbour has been constructed by the enter priso of a private gentleman, at Sandsido Bay ( $55^{\circ} 32^{\prime}$ N. lat., $3^{\circ}$ 47 W. long.). On the south-east const of the county, at Clyth $\left(58^{\circ} 18\right.$ N. latn, $3^{\circ} 13^{\prime} \mathrm{W}$. long.) there is a a small pier, and at Lybster ( $55^{\circ} 15$ N . lat., $3^{\circ} 16^{\prime} \mathrm{W}$. long.) a small stone pier has beeu built, forming a conrenient harbour. Serabster roads, in the Bay of Thurso, afford good and safe auchorage for vessels of auy siza.
Surface and Geology.- 'he surface of Caithness is in general flat and uninteresting; the greater portion being moorland, and there being but fow trees. The mountain-range which separates the tableland of Sutherland from the plains of this county attains a mountain charncter in the southern parts of Caithness, where it turns to the east, forming two distinct aud high rillges, of which the northern contains the Maiden Paps, with the high summit of Morbhein or Morven, rising about 2334 feet above the sea; aud the nouthern terminates on the east const with the Orl of Caithnes, which advances iuto the sea. The plaiu of Caithness, which lies between the ridge of the Maiden Paps, the Pentland Frith, and the mountains that bound the conuty on the west, comprises about four-fifths of the county, but it is not a level. Where it borders on tho monutains to the south it contains many mall hills, which form uearly a coutiuuous chain terminating in the Cnpe of Clyth Neas. North of this range the county extends in wide levels, covered with moors, and slopes gradually to the beds of the rivers. A fow insulated hills aro of moderato clevation. Agriculturo is confiued to tho tracts of level land along the water-coursen, and to the slopes of the clevated plains. These elovated moorlands sink lower towaris the north-enst, and ter minato in a low plain between Sinclair Bay ou the enst coust, nud Dunnet llay on the nortl coast. From the innermost part of Dunuet Bay there extenda a very low tract of land, covered with heath and rough grans, and about two millon wido, It a straight lino to kieiss Cantlo on Sinclair l3ay. North of this tract tho peninsula inclosed hetween Sinclair and Duunet Baya muns to tho P'entland Frith and terminates In Duncauabny llead and Dunnet Head. The greater and more elovatod part, which may bo 100 feet above the era, has a light anndy moil, nad contains a consinlemblo amount of land under cultivn tions. Limestono is found on the north coast and is ntuch used in ngriculture. Sinndstono is found in momo places; and slati, freestone and flagstone quarries are wrought in two or three parts of the county Theno stones aro shipped to Leith, Aberdeen, Loudon, Nowdastle, aud Cllargow.

Ifydrography.-Thero aro neveral sheets of water througlzout the county, but none aro of any exteut or remarkablo for boauty. Many of them coutain excollent trout. There are no navignble rivern. Tho waters of Dunbeath, lerriolale, and Langwell rine in the mo untains in the nouth-west part of the shire, and fall into the sea, the former at Dunbeath, a small bay capablo of being formed into an expeellent harbour, and the two latter at Berriedale, both placem on the k 3 outheant const. Thew streams abound with trout. The river of iWick, from tho luland loch of Wattin, falls into Wick Bay; in its prisgreas
it receives several small tributaries. The water or river of Thurso rises in the hills in the south-west bounding Sutherland, traverses from south to north three-fourths of the county, and after a course of 30 miles falls into Thurso Bay.

Communications.-From Wick, which is nearly in the centre of the eastern coast of the county, a steamer runs twice a week to the Forth, calling at Aberdeen. Between Thurso and the Forth there is weekly steam communication during the summer, hesides regular sailing vessels. The post road runs along the whole eastern and western coasts of the county; and there aretwo cross roads, one from Wick to Thnrso, on which runs the daily mail-coach, the other from Wick to Castletown, a village about 5 miles enst of Thurso: the roads are good. There is a daily dispatch and arrival of mails from the south at both Wick and Thurso, the latter being the most northern posttown in the empire. The postal communication with the neighbouring villages is less frequent.

Climate.-On the north coast the atmosphere is variable but healthy. From Scptemher to June the prevailing winds are from the north and north-west. During the remainder of the year the winds vary between the south-east and south-west. In wiuter and spring the north and north-westerly winds are frequently hard gales, and the exposure of the coast makes the inclemeucy of the weather to be severely felt. On the erast and south-east coast westerly winds prevail. In wiuter the weather is frequently very tempestuous. Snow seldom lies for more thsn a day or two, and thunder is rare. The aurora borealis is visible almost every night.

Soil and Agriculture. -The soil of Caithness where under cultivation is generally a strong clay, mixed with earth and capable of prodưcing green crops of all kinds. Sinco the improvements introduced by the late Sir John Sinclair, who was a large landowner in Caithness, the county has made great progress in agriculture and husbandry generally. Many farms are now of as large extent and as well cultivated as in any other district of Scotland. Cattlo of the Highland and Teeswater hreeds are reared for the southern markets; sheep of the Lcicester and Cheviot breedsare also much kept. A cousiderahle part of the land is atill in the hands of small farmers, and a part is held by a class of persons who trust more to the results of tho fisheries than to tho cultivation of the soil. Many of hoth classes however raise green crops and endeavour to follow a kind of rotatiou of cropping. Leascs of large farms extend from 7 to 19 years; small farms arc held without leases; the farm huildings are generally good and comfortable. Crops are lato in ripening, being generally about 20 days behind those of the Lothlans. There are weekly corn markets at Thurso and Wick.
Industry.-Throughout tho county the several quarries of dagstones, freestone, and slate engage the labour of a considerahlo portion of the population, hut the general cmployment of the peoplo is in agriculture or in fishing, with the attendant occupations of coopering, curing, and packing. On the coasts all are fishermen. After spring sowing comes the lobster fishing, chiefly for the London market. In May and June turf is cut for tho winter fuel. In July the herring fishing begins, and lasts for two months; then tho crops are cut and potatoes dug; and after that the fishing for cod, ling, and largo seafish is resorted to. The herring fishery however is the principal business of the county. "The herrings are got all round the coast; hut Wick and the surrounding fishing villages are the principal places of resort. . . The number of persons partially or wholly employed is ahout 12,000. The number of hoats employed may he ahout 1000 , of which 700 are owned in the county, and the rest come from the Frith of Forth and various places in the Moray Frith. Each hoat is manned hy five men." ('New Statistical Account of Scotland.') There aro sevcral salmon fishcries on the coast and on the rivers; that on the coast of Thurso let formely at 1000 L per annum. Salmon are dear in the county, ncarly all heing 'kitted' for the London market.

Divisione, Towns, de.-Tho county of Caithnoss forms a Presbytery, and is within the ecclesiastical jurisdiction of the synod of Sutherland and Caithness. Of 28 clergymen within the bounds of the synod Caithness possesses 13. In addition to the 13 churches of the Estahlishraent there are about 20 other places of worship, the greater proportion of which belongs to the Freo Chnrch, the others to United one royal burgh, which is the county town, Wick. The only other town besides Wick is Thurso, a post- and market-town on the north coast, about 20 miles N.W. from Wick: population 2908 in 1851. It lies in a vallcy or bay formed by the two promontories called Holbura Head and Dunnet IIead. Thurso Water onters this bay close to the town. The town has becn a burgh of barony since 1633. It consista of an old and a new town. The church is a handsome huilding, and tho ncw town contains a few regular streets and nome woll-built houses. There are a Free church and two other places of worship for l'resbyteriau Dissenters. Thurso is a post-town, and courts are helel there for the nortlem part of the county. Straw plalt, leather, ropes, and linen and woollen cloths are manufactured. At a short diatanco from the town the late Sir John Sinclair erected a low circular building surmounted hy a nort of cmbattled parapet, intended to mark the grave of Harold, an carl of Caithness, who was killed somewlere about this pot many centurics ago. It is a con-
spicuous object, in a country coinparatively bare and desolate. The parish of Thurso, owing to Sir John Sinclair's exertions, is considered to be the most improved district in the county.

The following villages may be mentioned:-Broadhaven, a small fishing station on the east coast about 1 mile N. from Wick. Castlelown, a populous village on Dunnet Bay on the north coast, about 5 miles E. from Thurso. Louisburgh and Pulteneytown, two villages adjacent to and formiug suburhs of Wick. Sarclet, a small fishing village 5 miles $S$. from Wick, where there is a good harbour for fishing boats Staxigoe, another village 2 miles N. from Wick, with a good natural harbour.

Population, dec.-The language generally spoken is the Scottish dialect of English. Gaelic is still talked and understood by the older inhabitants, especially in the inland districts. In a majority of the churches a portion of the service is conducted in Gaehic. The county gives the title of earl to the family of Sinclair; it returns one member to the Imperial Parliament: the constituency in 1852 was 652. In 1851 there were two savings banks in the county, at Thurso and Wick: the total annount owing to depositors was 9018 l . 16 s .2 d .

IIfitory and Antiquities.-I'he earliest inhabitants of Caithuess arc supposed to have been Celts. These were succeeded hy the Picts, who in their turn gave way hefore the repeated descents of colonies of Danes and Norwegians. As early as the reign of David Il. of Scotland the Caithness weights and measures were ordered to he adopted as the standards of the whole kingdom. At that time Scotland traded through Thurso with Norway, Sweden, and the Baltic, and these weights and measures being those of the chief and nearly sole trade of the country were considered the most couvcnient. About 1350 the Keith family acquired lands in Caithness by marriage, and in the same way the Sinclairs and Sutherlands hecame lords in the district. 1ts history and traditions present the usual annals of mutual robheries, treacheries, and murders. Sinclair is now the prevailing name. The names of localities are principally Norwegian. There are a great many remains of round towers and small forts which are attributed to tho time of the Danish possessiou. The ruins of Catholic chapels are to be met with in every parish, and till comparatively a late period in the history of the Reformod Church the inhabitants seem to have formed pilgrimages to different holy spots, to which tradition assigned peculiar virtues. On tho Pentland Frith, the northern shore of the county, is Barrogill Castle, a seat of the earls of Caithuess; and ou the eastern coast north of Wick are to he secu the ruins of Bucholie Cistle, mentioned hy Pennant, aud some ruius of huildings attrihuted to the Picts and the Danes, of the tower of Keiss, and of the castles of Girnigoc and Sinclair. Lord Duffus has a seat on the Bay of Keiss ahout 6 miles N. from Wick. The ruins of Auld Wick Castle are on the south side of the Bay of Wick. In the parish of Halklrk, and about 6 miles S. from Thurso, are the very reunarkable ruins of the castle of Braal, popularly stated to have heen the residence of tho ancient bishops of Caithness and Sutherland. On the south-east coast of the county are the ruins of eight castles, all of them possessing their own traditions of war and hloodshed. These are Clyth, Swiney, Forse, Latheron, Knockinnan, Duuheath (still inhabited), Achastle, and Berriedale.
CALABAR, OLD, a river of Africa which falls into the light of Biafra about 52 miles N. hy W. from Fervando Po. $1 t$ is the largest river on this coast, and forms an mestuary 9 miles wide, which is full of shallows and sand-hanks. The Cross River, which used to he considered a feeder of the Old Calahar, was discovered to be the main stream hy Captain Becroft in 1841-2. The river is navigable hy steamers for 200 miles ahove its mouth. The principal place on the river is called Duke's or Ephraim Town, which stands on the estuary about 5 milcs from the entrance. Twelve miles above Duke Town is another large village, called Creck Town. The United Presbyteriau Church of Scotlnad has several missionary agents in Old Calahar.

The river is very winding, and the shores are low and swampy. Tho country is overrun with bushes, principally of the nangrovo species, and thero are few cleared spots on the banks of the river. The right hank is much intersected hy creeks, through which the natives assert they can in their canoes communicate with all the rivers that fall into tho Gulf of Guinea hetween this and the Benin, forming tho great delta of the Quorra. To the eastward of the Calahar is the high land of Camaroons. The river abounds in alligators: there are few fish. The water is not considered good.

CALABAR, NEW, a branch of the Quorra, which euters the Atlantic 52 miles E. from Cape Formosa hy the same astuary with the Bonny. It is a wide hut sluggish stream with a har across the entrance, which renders it accessihle only for vessels drawing about 12 fect: 5 miles up however there is an average depth of 30 feet. By the Portuguese it was called Rio Real. The town of Now Calabar stands ou an island formed hy two hranches of the river.

The district to which the name of Calabar is given is rory undefined and variable, as the chicfs are generally at war with each other, and overruu tho neighbouring tcrritories whenever they feel themselves sufficicutly powerful. All this part of the African coast is low and swampy for 40 or 50 miles inland from the sea-coast, with few places fit for cultivation, thougls on thesc spots the soil yields plontifully not only yams, whicl are tho chief food of the natives, but also the sugar-cane aud other tropical productions. Polygamy is customary
amone tho metirce ard human meriboes aro onon raale to propitiste good and oril opirita at fuserals, and lidewis proodically to the Spirit of the River, whets the rletims are onrial out ta the lar and thero thrown orestoanl to bo devouret by the aherth Kivery eighth dey is a holithy, and to gaceal by both soxen in driaking palu-wino in a ntate of frrmentation till they bocome gnite latoxjontinf.

CALA'BliIA, a divition of the Ifandom of the Two Sivilion, extomding oouthwant from ftuillenta to the Stridt of Mouitas bolwoen the Guif of Tamato and the Mediterramean Sine. Ita leagth from Koate Pulliso on the southers bonder of liailionta to Cape Sparti. reaso at the extromity of the Italian prealamela is about $1 / 3$ milea The coutrify comeints of tro peninoulas of very nowly equal length, jolsed by a marrow neek only 16 sniles bromi, testreen the gulfs of太quiller and Siati Fiufenin The groateot hroulth of the northern pecturula from cea to nom in abont 60 nn हes, and that of the sonthern peatereth is is few places atiovo 50 miles. The tolal area of Calabria is 3023 aquare miles, and the propulation in I85I was $1,136,650$.

The A peaninee run eouthwan throngh Calabria, forming large and irricuiar sunces with pumenoes otinet towanls both seak, and oceu. proteg the greater part of the surfece. In the north the main ridge ress clow to the Mediterranean coant an far a tho Saruto, to the mouth of Comesay, where is spreads eustwand acroes the brealth of the peatmeuls, forming a mountain region of about 35 milos in length from west to east, and 25 miles in brearth from north to south. Thio srgion, whech in called la Sila, and from which in anciont times the Athealans and Sieilinas aupplied themselves with masts and shipcimber, in a tahle-land travernod by numerous ranges of bigh hill, the summite of which are covered with pine foreots, and tho lower slopes with oaks, boeches, and clma. The plains between the hills are waternd by numerous miveams, and produce rich pasture. The Thole region abouuds with beautiful scenery, combining forest and mountain, rock and gleu, river and plain. Landed proprictors from all tho neighbouring town migrato annualty in tho spring with their farallios, shepherds, and kooks to this healhy and boantiful tahle-land. In thee mounchins the rivers Crati, Neto, Savito, and many smaller etreara have their rima Nexr Nicartro, and between the sources of the Lamato and Comce, the Apeunine sidgo lrecomes narrow, and as it appronches the inthmm sbore mentioned the eloration is so small that Charlea I11. of Naplas proposed to cut a canal through it to connect the gulfs of Sant' Eufemin and Squillace. To the southward of thim remarkable dopreation the mountains rise again and form mother large mus callad sppromonte, which fills neariy the whole width of the country above lieggio. The Aspromonto in a very impraing range es seen from the consts of south Italy: its sides are covered with forests of beoch and onk, and its creat with pines. The highet summits of the Calabrian Apernines do uot exceed sov0 feet, except Monte Pollico on the borders of Basilicats, which riees to 5000 feet. The highent point of La Sila in nearly 6000 feet, and the summit of Aspromonte in 4500 feet abovo the sea. The Calebrian Apennine ere chiefly of limentone; primary rocks appear only in the southern portion of the chain, particularly in the range of tho Anpromonte, which in its geological structure and plyyaical character more nearly reacmbles the neighbouring mountains of Sicily then the Apennines. Ihetween the various mountain mmeses and their offets are nome extennive valleys along the banks of the principal rivern, which terminate in plains near the sea. The valleys of Comenza and Moutcicone, and the plain of Gioja, are the most extenmire and fertile. The olive, the rine, the mulberry, the orange, and the lomnn grow luxuriantly. Calabria produces a variety of good winen, some of which keep very well for years. Jaw silk and oil are the staple productions of the country. Manun is gathered in large quantilies in several districts from a species of ash. Cotton is also grown, mind the sugar-cane mucceeds. Fast quantitien of liquorice aro prodnced. Salfron grown wild in the pasturogrounds about Cosenza, and the caper on the atony districte of all three proviuces. The climate is suitable for the production of raisus and currants; the beot are thowe grown in the inland of Dino, close to the const hetween the montls of the Leo and the Trecchina, and on the little inland of Cirella, fow mllew south of the Lno. Calahria las a fine hreed of hormes of the true clanical nlinpe; they aro not rery uumerous, mules being in soovereguent from the nature of the country. Other stock includen milk cattle, oxen, huffalooe, and juigno Been aro very numorous,

Calabria is divided for the purposea of ermplaintration into three intendeaze, or prorincea, Calahria Citrn, Calabria Ultri 11., and Calabria Últra l., which are meverally governed as already explained in the article Hamt, Trara di.
Calabria Citm, which is the mont northern part of the diviniou, formerly had an oxtensive trade in timber, but from wnite and innprori. dence in the marispemeat of the forcmin this wouree of wenth has ruther declined. The elestruction of the timiner, bosidem eulancing the price of fuel, the caunod in many placen tho drying up of the mountain apringa, and expmoed the regetahle mili, formed by the decomprosed foliage of the oreata for thoumands of yearm, to be wahed
away ly corresin during the winter ruins. The luwland riven are then in many fintances choked with allurial deprosith, and once fertile diatricla arm converted into unlicalthy zarshom. The whip timber of La Sila in hpought in Coriglizno, near the coust of the Oulf of
Tarmuto, which is almo the centre of tho snama trade, and lins acremal
liquoriee fectorien In Calabria l'lten 11 . thero is also a considerablo troulo in caanaa and enfron; silk fo manaufacturod in its capital Cantasamar At Isintioo, on the Gulf of Sant' Eufcuin, to the north of Mouteleono, and at Maida, mear the groat depresaion in the Apenaine chsin abore noticed, coal has been fonnd; at Maida antimony aloo and alabarter oceur. Thero aro iron-furnacea in the southerat of the province for samelting the iron-ore from the minew of l.o Stllo, which aro mituated just within the bouudary of Calabrim Ultra I. The iron is formed into camsous at tho foundrice of La Sertr, a little further iuland. The ores of Loo Stilo aro mabl to bo very rich; they form part of the royal domain, and are uot profitably workel. The prince of Satrinno has a foumdry on hin own evento, at which a small quantity of iron is swolted. Iron is found alm, in the southern part of the Aspromonto range. At Jeggio, the weighbourhood of which in fannous for its ciriol fruits, codrat and other cesoutial oils aro produced. Other induatrinl products are silk stutis at Scelln and its noighbourhood, and moap. The sea-fisheries give employmeut to many of the inhahitants of the comat town: rast quatities of funny, aword-finh, anchory, and mullet are taker The tungy, which meanures 6 to 8 feet in length, and so much is circumferenco, frevuently weighe above 4 cwh . Tho fish ewim is ohonh, aud are caught in chambered nets. The sword-fish always attends the tunny ulionls, which frequent the Meditorranean botween Juno and August, and is sometimes taken in the charnbered uots, but is more frequently harpooned during the passage of the shoals through the Strait of Measina. Its length including the sword varies from 8 to 12 feet, and it weighs about 2 cwt ; the flesh is more delicate thas that of the tuuny, and somewhat resembles veal. The anchovy is taken in beta from March to May, cured and packed on the apot, and exported to all parts of Furope. The mullet abounds on all parts of tho coast, especially at the mouths of the rivers; it is taken chiefly for the roe which is saited and dried like caviare, and under the name of bolfarga caten as a delicacy with oil and lemon-juice.

The northern bonndary of Calahria Citra is formed by the little river Canna, which flows into the Gulf of Taranto to the north of Rocan Imperiale; by the offeet of the Apennines which runs southward from the source of the Canua to the source of tho Sinno aud Monte Polliuo; aud thence by a line westwand to the Soce or Trecchina, aud along this river to its mouth in the Gulf of Policastro. The province extende southward to au frregular line, runuiug in a general direction of west-south-west from the Lacanica or Fiumenica which falls into the Quls of Tarauto, a fow miles worth of the promontory of Punta dell' Alice, to the mouth of the Savuto. The nortbern part of the province includes a portion of ancient Lucauia (which extended southas far as the Crati and tho Lao): the rest of this province, and the wholo of the other two Calabrias anciently belonged to Bruttium. The principal rivers of Calabria Citra are the Crati and the Neto. The Crafi (ancient Crathis) rises to the nouth of Cosenza, within about 12 miles of the Mediterraucan coast, and ruus north betwcen the Apenuines and the region of La Sila to below Bisignano, where it receiven the Mucone (which drains the north-west part of La Sila) on its right bank. Below IBisignano, it turns north-east to its mouth in the Gulf of Taranto. About threo miles from its mouth it is joined ou the left bank by the Coscile, the aucient Sybaris, which drains a large district. The whole length of the Crati is about 60 miles. Tho Neto rises cast of Cosenza in the Sila regiou, of which it drains the contral parts. It flows mpidly in a broad chauncl and in a general eastern direction iuto the Adriatic, about midway between Punta dell' Alice and Cape Nau or Colonus. The Savuto rises at tho foot of Mouto Spincto, one of the highest summits of the Sila, and flows with a deep impetnous stream westward to the Mediterranean. The eldest son of the emperor Frederick 1I. was accidentally drowned in the Sarnto. The reat of the rivers are short, being for the most part mountain torrents running directly into the sea. Nove of the rivers in of any importance to navigation.

The prorince of Calabria Citra contains an area of 2613 square miles, and had a population of 435,841 in 1851. It is dirided iuto fuur districta or arrondinsements named from the chicf towu of cach-Coscuza, Hossamo, Paolh, and Castroviliari-and into $140^{\circ}$ comanunces.

Corcnza, the capital of the province, occupies the site, and retains the name of the ancient Corcntia, the chicf city of the Bruttii It is situated at the junction of the Busento with the Crati, 100 miles S.S. F. from Naples, and las about 9000 inhahitanta. The city stande partly in a deep glon and partly on higher ground, on the left hank of the Crati. The lower part of it is exposed to malaris, the higher part is hoalthy, and contains the tribunale, or courthouse, a fino huilding, nevernl puhlic eatahliebmenta, and many mansions of the opulent proprictors of the province. The streets aro generally nhrrow and crooked, hut the aliops aro good. There are important silk-fnctorics in the town. Philip the llardy ou his return from Tunis with remains of St-Louis lost his wife, Ieshella of Aragon, in Comonza. Cosenza gives titlo to an archbishop. The cathedral contains the tomb of Juke louln 11I. of Anjou. Alaric, king of the Gothe, was huried in the bed of the Buscnto.

Anong the other towas the following may be noticed:-Acri, northecait of Comenza, on the liucone, feeder of the Crati: popu Intion about 7000. Agrigliano, nituated of a stecp hilt, a few iniles
S.E. from Cosenza: population, 5000. Bisignano, an episcopal towu, with about 4000 iuhabitants, built on a high hill uear the junction of the Mucone with the Crati. San Giovanni-in-Fiore, near the southern frontier, in the fork between the Neto and its feeder the Arvo: population, 5000 . Rende, north-west of Cosenza, at the foot of the Apennines: population, 4000 . Scigliano, south of Cosenza, on a height near the Savuto, is a collection of seven agricultural villages, which form as many separate quarters, and hare a total population of 12,600 . The environs are very fertile in corn, wine, and silk.

Rossano, an archiepiscopal town, north-east of Cosenza, and on the oad that skirts the Adriatic shore, is the capital of the district of Rossano. It is situatod ou a rocky height, and has 12,300 inhabitants. It is a well-built walled town defended by a castle; and contains a fine cathedral, 14 other churches, a diocesan seminary, and an hospital. Among the other towns of the district are the following -Cariali, a mall episcopal town situated on a lofty hill, 5 miles N. from the Fiumenica; the town is entered by a gate and drawbridge; and at one extremity of it are ruins of a feudal castle population, 2000. Corigliano, a handsome town of 13,000 inhabit ants, is built in form of an amphitheatre on the side of a steep hill, the summit of which is crowned by a fine feudal castle, and commands magnificent views. The town which is 7 miles W. from Rossano, is supplied with water by an aqueduct, and is considered the most agreeable place of residence in Calabria next to Reggio. It contains many liquorice-factories and extensive timber-yards, in which the ship-timber of the Sila is stored for the supply of the shipwrights of Naples. The castle is $\Omega$ residence of the Duke of Corigliano; it is a square building flanked with massive towers, and surrounded by a deep moat. Longobuco, a small place on the eastern flank of the Sila, near the source of the Trionto, deserves mention on account of its silver-lead mines. It hss a population of about 5000 , most of whom have employment connected with the mines and with charcoal. burning.

Paola, the capital of a district which lies north of the Savuto and betwcen tha Apennines and the shore of the Mediterranean, is 11 miles N.W. from Cosenza, and has 5000 inhabitants. The town stands on the shore and on the edge of a deep raviue, which is crossed by a handsome bridge. It contains some good houses and a foudal castle, and has extensive silk-factories, and a pottery. The Apennines in this district are very difficult to pass; tho only road that traverses the chain is the new cross-road from Cosenza to Paola; the mountain passes areinfested by brigands, so that many interesting towns along the coast are inaccessible to travellers, and many of them communicate with each other only by water. Among the most important of theso coast-towns are Ajello, population, 3800 ; Amantea, 2500 ; Belvedere, 3900 ; Cetraro, 5700 ; Piumefreddo, behind which rises the conspicuous and lofty peak of Monte Cocuzzo, population, 2500 ; Foscaldo, 7000 ; Scalea, 3000 ; and Verlicaro, 4500.

Castrovillari, the capital of a district which comprises the territory north of the Crati and east of the Apcnnines, is situated ou an eminence surrounded by lofty mountaius on the great Calabrian road from Naples to Reggio, 30 miles N. from Cosenza, and has 7000 inlrabitants. Tho modern portion of the town has handsome streets, and contains the mansions of tho rich proprietors of tho district The town is defendod by a massive fcudal castle, supposed to be of Norman erection. A cross-road leads from Castrovillari to Rossano, whero it joins the Via Trajana, which runs along the Adriatic coast. Of the other towns the most important are the following:-Cassano is a well-built episcopal town, bcautifully situated on the Ejano, a feeder of the Coscile, 8 miles E. from Castrovillari, aud has 6000 inhabitants. The scenery and clinato of Cassano are not surpassed in South Italy. It bas hot sulphurous baths. On the summit of the rocky mass round which the city is built aro the ruins of a fcudal castle, one of the strongholds of the Serra family. The view from the castle commands the beautiful valleys of the Coscile and the Crati. Cassano is said to be the Roman Cosa, at the siege of which T. Annius Milo was killed by a stono thrown from a tower, which still stands and bears the namo of Torro di Dlilo. The village of Civith, higher up tho valley and near the Ragonello, is according to others the sito of Cosa; there are some ancient buildings near it. The district between the mouths of the Ragonello and the Crati, or accorling to others the fork between the Coscile and the Crati, is tho sito of the ancient Sybaris, founded by the Achaeans and Trezenians, B.C. 720. It traded extensively with Carthagc, numbered at the time of its greatest proaperity and luxury (for which it was proverbially notorious) 300,000 inhabitants, and was utterly destroycd by tho Crotoniata, b.c. 510. Terranova, higher up the Crati and on its left bank, is a small placo of about 2500 inhabitants, but important as marking the site of the ancient Thurii, which was founded by the Athenians, s.c. 416, in order to supply tho placo of the destroyed city of Sybaris. Herodotus, the historian, and Lysiat, the orntor, wero among tho first colonists of Thurii. The city soon rose to eminencc. It submitted B.C. 190 to tho lRomans, who made it a colony and gave it tho name of Copia. A few miles north of Castrovillari is Morano, a town of 9000 inhabitauta, situated on a conical hill crowned by a fine foudal castle at the wastern base of the Monto Pollino ridgo. In the neighbourhood of the town are some bcautiful wooded dells, up
one of which, to northward, the great Calabrian road is led by well constructed zig-zags to the bleak dreary plain of Campotenese, whioh extends to the frontier of Basilicata. Morano has some silk and woollen manufactures. In the north-east of the district near the Canna, which here forms the boundary, is Rocca Imperiale, a small place of 2000 inhabitants, built like most of the towns along the coast and in other parts of Calabria round a oonical hill.

Calabria Ultra II. extends southward from Calabria Citra, to the wouth of the Mesima in the Gulf of Gioja on the west, and to the mouth of the Callipari on the east shore of the peninsula. It oontaius an area of 2099 square miles, aud had 381,147 inhabitants in 1851 The province is divided into four districts-Catanzaro, Cotrone, Nicastro, and Monteleone-and into 151 communes.

Catanzaro, the capital of the province and the seat of one of four Gran Corti Civili, or Courts of Appeal, in the continental dominions of the king of the Two Sicilies, is a well-built and important city, situated a few miles from the Gulf Squillace, 26 miles S . by E. froin Cosenza, and has 12,000 inhabitants. It is built on the slope of a high and rocky hill that rises above a deep ravine between the Alli and the Corace and at the southern extremity of the Sila. The city gives title to a bishop, and is the residence of numerous wealthy proprietors. It is defended by a castle originally founded by Robert Guiscard ; and contains a cathedral, several other churches, and a new theatre: The court of appeal of Catanzaro has jurisdictiou over the three Calabrias ; the lyceum established in the town confers acadcmical degrees, and is one of the largest and best conducted colleges in the kingdom. Squillace, a small ill-built episcopal town, situated on a steep rocky eminence 9 miles S . from Catanzaro, has 2600 inhabitants. This town gives name to the Gulf of Squillace and represents the ancient ScyIacaum which had tho epithet of 'Navifragum;' from the bold precipitous promontory (now Monte Moscia) which projects opposite Squillace into the sea. There are fine views near Squillace, comprising the isthmus and tho shores of the gulfs of Squillaco and Sant' Eufemia. Squillace is the birth-place of Cassiodorus, the enlightened minister of Thcodoric and historian of the Goths, who died here in a monastery founded by himself about A.D. 560. Bado lato, a small town built on a hill $a$ few miles N. from the Callipari, has a population of 3400 . The Callipari is said to be the aucient Helleporus, on the right bank of which Diouysius the Iilder totally defeated the Crotoniats and other confederate Greeks in B.C. 389.

Colrone, the capital of the north-enstern district of tho province, derives its name from the ancient Croton or Crotona, one of the most famous Greck cities in Italy, celebrated for its powerful athletes and for the beauty of its women, the residenco of Pythagoras, and the seat of one of the earliest schools of medicino. The towu has given title to a bishop since the earliest age of tho church; Diouysius the Areopagite is said to have been its first bishop. It is now a small place with only about 5000 inhabitants ; but is important for its castle and fortifications founded by Charles V. Cotroue is 37 miles N.E. from Catanzaro. It is built on a projecting point of land near the mouth of the Esaro, which partly surrounds the town. It has a small harbour, which is formed by a mole built with materials from the temple of Juno on the Lacinian Promontory, now Cape Nau or Coloune, which is a few miles S.E. from the town. Ono of the Doric columns of the temple still stands erect, whence the cape has received the name of Cape Colonne. The Esaro, now almost choked with weeds and little better than a stagnant ditch, is the ancient Asarus, the scene of one of the Bucolics of Theocritus

Among the other towas of the district is Cino, said by some to occupy the site of the ancient Crimissa, founded by Philoctetes. It is a small place of 3000 inhabitants, situated near the Punta dell Alice, the ancient promontory of Crimissa, on which Philoctetes is said to have built a temple to Apollo and to have suspended therein the bow and arrows of Hercules. Isola, a small town of 2000 inhabitants, chicfly rich proprietors, stands between Cotrone and Capo Rizzuto. Santa Severina, a small place of only 1000 inhabitants W. of Cotrone on the cross road to San Giovanni-in-Fiore, gives titlo to an archbishop. Strongali, an episcopal city with 2000 inhabitants, situated on a barren height near the coast north of Cotrone, is supposed to occupy tho site of the ancient Petilia, another city founded on the coast by Philoctetes. The town was burnt by tho French in 1806 ; it now contains many goor houses. Two stones let into the exterior wall of the cathedral are covercd with Latin inscriptions, which if genuiue confirm the opinion that this was the site of Petilia. A steep descent leads down from Strougoli to the plain of the broad and rapid Neto, the Nexthus of Theocritus, in which the Trojan women are said to have set fire to the Greciau flcet in order to put a stop to tho wanderings of their conquerors. Umbrictico, a small ill built episcopal town with only ono church (tho cathedral) aud 2500 inhabitants, is situated a few miles W. from Ciro on a steep lill in which gypsum and alabaster are quarried.

The north-western district is named from its chicf towu Nicastro, which is situated to tho north-west of Citanzaro on tho slopo of a mountain commanding extensivo viows of tho plains and the coast to southward. The town gives title to a bishop, and has a populatiou of 6600. In the castle, which is now in ruins, Henry, the eldest sou of tha cimperor Frederick 1I., was confined on account of his taking part with the Ginelphs against his father. Anong the other towns of
the dherriet aro the followins:-Sia Higyis, a fow salles weet from Siowtra to famoon for ite hut mulphurous bathe and ite wine: popu-
 par the ite of the monamery of Siants. Ruffermia, foundeel hero by Rubert Guicoand and awallowed up in the great marthquake of IOss. The momatery give nambe to liso Oulf of Sant Eirfemin, which extonds from Cape surero on the north wh Cajo \%anbrone near Iristioo on the south. Filodefles lo the plais mouth of Nicastro: propaletion sena. Moilla, further month, it aituated between two feoders of the Iamatn, which is the prineipal river that falle into the Gulf of Mant' Foufemis : population 2800 . Bir John Stuart, at tho bend of a liritilh foree, defental the Frouch under Geaeral Iegaier in the plain of Xaide in 1506 . Werloramo, not far from the Savuto in the porth of the provisoe, is an epiccopel town with 2000 inhabitanta.

Nowdeome, a pital of the couth.wethern district, is sltuated on the med to Reqgio, 25 miloe S. from Nicnatro, and han 7200 inhabitanta It lo a Lonrishing plaoo and rtandn in a commanding situation renderel pietnroeqne by tho feudel cantlo which wa erected by Frederiek 11., and orerlooks the cown. Iletwoon the town and the mes it the rillage of San Pietro di liiroma, whish marke the dite of the swoient Hippoaium, a colony of the Locri Epizophyrii, which afterwarla becarze a looman colony ander the name of Viboma, Cioero revided bere previons to hla exile from Italy. In the neighbourtood was a velelernted grove and templo of Proserpinc. Six miles S from Monteleone in Milero, a sunall episcopal city with about 1500 inhabitants It was originally built by the Normans, and was a conaiderable and well-built town till 1783, when it was totally dentroyed by an earthquake. The abbey of the Holy Trinity was founded by Count Iogor of Sicily, who embellished it with marblo columns from the temple of Proserpine roeationed abova. The count and his wifo were bariod In the abbey church; the sarcophagi conLaining their remains are now in the musoum of Naples. A few miles enst of Mileto are numerous rillages with Greek names, and Inhabited by the doccondarts of Albanian and Greek colonista. In the mome direction and in a valley among the Apennines aro the ruius of the monartery of Sian Stefano del Bosco, in which St. Bruno first ertablivbed his order of monks. Nicolera, near the coast of the Gulf of Gioje nad a little morth of the mouth of the Mesima, gives with Tropen title to a bishop. It is a thriving place with 3500 Inhabitants, built on the alope of a lill about a milo from the sen. It was deatroyed In $1 ; 83$ by the earthquake, and the prosent town has beon erected ninco then Nicotern is famous ln the provinoe for the beauty of its women. Il Pi=o, 6 miles N.N.E. from Monteleone, a port ou the ahore of the Gulf of Sant' Eufemin, has about 5700 lnhnbitants, who are enguged in the fisheries and the coasting trade. Joachin Murat Inded at 11 rizzo in 1815 , in his rain endearour to recover the throne of the Two Sicllies. The people of tho town took him prisoner and lodged him in the cantle of Pizzo, in an apartment of which he was ahot on the 13 th of October. Ilis body lies iu the vault of the chureh of 11 Pizzo. Soriano, 8 milea E. by S. from Monteleone, is situated among rugged mountains near the course of the Mortaro, a feeder of tho Mosima, and has about 3000 inhabitants Tropea, an cpiscopnl town sitnated on a deop well-sholtered bay 8 milen S. $\mathrm{HI}^{\prime}$. from Montoleone, midway between Capes Zambrone and Vaticano, has 4800 inhabitanta. The city is built upon cliffe, which rise behind the beach that lines the ahore, and presontu a beautiful appearance from the sea with ita lofey churchee and conventual buildings. Belind the city lower slopes are richly cultivated and well-wooded, and belind theso rines a line of higher hille. Tropea is famons for lts mild and healthy climate; the ricinity produces abundantly wine, fruito, cotton, ailk, aromatic plante, and flowers of all kinda. The town is surrounded by walle fanked with towers and piercod by three gates with drawbridges. The cathedral, six churchos, one of which is built on a carernoue conical rock in front of the city, the diocesan seminary, an hospital, and a poor-houne aro the most noteworthy objects iut tho town. Steamboats from Naples to Messina and Malta touch at Tropen

Calabria Ulera I., the most nouthern province of Italy, includen ell the reat of the peninsula nouth of tho Sesima and the Callipari. It han an area of 1251 squaro miles, with a population of 319,662 in 1851. It In very rich in iron ore, which is found in the monntains botreen the Alaro and the Callipari, and alno at the noutheru oud of the Aapromonte range, not far from Keggio ; but the Aspromouto sninee aro not now workod. Kaw milk, cotton, oil, fruits of all descriptions, liquorice, manufactured wilk, somp, perfumery, emential oils, wine, bnody, orange anil liemon and citron qualcke, ce, are the most lenporenat producta. The province in divided into threo dintricteHergio, Gernos, and Palmi-and into 104 communor.
leggio, the capital of the distriet of Regrio and of the whole prorisea, is tho ascient lheginm, and In deeoribod in a noparato article.

 The plain amound it is for railes covered with plantations of the orange, lomon, and etron: the American aioo and cactus grow lusuriantly along the nomianidee: the onatomoil plant and the date jualm novriah : and the fruite and flowern of both beminpleres and of temperato and trogical countries are hero proluced. The elty lass extemare silk rannufcecuren, and producea $70,000 \mathrm{lbm}$. of mentinl oil
yielding 18 ducats a pound; it bes besides an inpportant geuernl commeres. The Ihay of lloggio in remarkable for tho ningular phenomenon colled the Fats Morgana. The distance merose the strait from leggio to Memiun in uot quito if miles.

Among the other towas of the district we notico the following :Bora, wituakel on a hill at the noutherns base of the Aapromonto and not far from Capo Sipartivento, the anoiont Ilerculis Promontoriun, ancl the mont eonthern point of Italy, is an epiacopal city with 3000 inhabitanta Bora in mid to have been founded by one of the numerous Albanian colonies that uetted in C'ulabria after tho denth of Scanderbeg. It was dentroyed by the earthquake of 1853 , null has bean niuce reluilt. Scylla or Scilla, built on the sloping siden of a rook which counect the enainland with the fanous rock or promontory of Scylla at tho northern entrance of the Fiaro or Strait of Mominn, has important nilk factorics, and a population of about 5000 , many of whom aro skilful inarinerss aud intrepid divers The wine of Scylla in of good quality; and the towu derives some proft from the mathroom-stone found in the nuighbourloorl. The fishery of the tunny and the aword-fish ia actively plied cluring the senson. The tewn in built in zigzag tomeces rising one above another from the andy bays which 110 on ench side of the promontory. The ntreets are consequently steep; thero aro many fine buildings and haudno ne fountains in tho town, whilh hass been rebuilt since 1788, when it was alnost entirely destroyed by the earthquake. The castle of Scylln is built on tho edge of the cliff at the estrenity of the promoutory, aud is considered an important military post. Tho British beld it for some timo during the last French war, but were forced to evacunto it In 1808 by the French. The Rock of Seglla, whose terrors to the ancient marincrs are immortalised by tho poste, inepires no fear in modera seamen; oven the whirlpool of Charyulis opprosito to Scylla is now represeuted by mere currents, which produce sonne rotatiou in the water, not of a dangerous character, but at times strong enough to turn a ship quite rouud. A whirlpool below the port of Messina, called Galofaro, answers the description of Charybdis given by the ancient poets; but its distanco from Scylla prevents us from prououncing it to be the same. The distance from the castle of Scylla to the Faro Point ou tho Sicilian const is 6047 yards, or nearly $3 \&$ miless A beautiful road runs close along the ahore from Scylla to Reggio, commanding spleudid rlews of the strait and the broken shores of Sicily: It is diverafied by villages and neat country houses; the shore is almost lined with the cottages of fishormen, and iuland the country glows with the folinge of the orange, the pomegranate, the palm, the aloe, and the chestaut. A fow niles south from Scylla is Villa-San. Giovanni, a small but thriviug town of 3000 iuhabitanta, delightfully situated ou tho shore of the Faro aud much frequeuted on account of its salubrions climate It is the uearest point of cmbarkation for Mossina. The town has large silk factories.
The district of Gerace is uamed from its chicf town Gerace, a town of about 4800 inhabitants, situated on a hill between the Apennines and the lonian Sea, at a diatance of 30 milen N.E. from leegrio. The town is supposed to hare been built from tho ruins of loceri. It was grently injured by the earthquako of 1783 , when its gothic cathedral and strong citadel were reduced to ruinh. It gives title to a bishop and coutnine sevoral silk manufactories and some good buildiugs. Its wines are in high repute; in the noighbourlsood are several mineral springe. In the plain between Gernce aud the sea aro ancient ruins supponed to mark the site of Locri Epizephyrii, founded by the Locri Ozole, B.C. 750 , immortalined by Piudar, and celobrated for the code of Zaleucus, the carliest collection of written lawe possessed by the Greeks Coins of Locri have been found on the spot. The oity derivod lts surnamo from its position near the Zeplyyrium Promonto. rium, now Cape Bruzzano. A crose road leads over the Apennines from Gerace to Gioja on the western conat. The sconcry of the pass combines the richest forest ncencry with the wild and rocky glens of the mouutains. The highest part of the pase commands wide and aplendid prospecta, ombracing both seas, aud cxtending in fine weather westward as far as tho Lipari Islands. C'aseleletere, on the right bank of the Alaro north of Geracc, has a population of above 5000 . The Alaro is the ancieut Sagras, on the banks of whicls 130,000 Crotoninte worn dofeated by 10,000 Locrians, B.c. 300 . Among the other towns of the district along the const are Giojosa, propulation $; 600$; Grolieria, 4500 ; Mammola, 7300 ; Lo Stilo, colebratel for its iron minen, 2800 ; Rloccella, 5000.

Palmi or Palme, the capital of the third dintrict of Calabrin Ultrm 1 ., in benutifully situated on a steep cliff that rines from the Gals of Gioja, abore a narrow creck which shelters the fishiug-craft of its Inhabilanta. In conatruction and in aituation this is one of the mose boautiful towns along this remarkable const. The platform on which it atande is corcoel with gandens and plantations of oranges and oliren, and the higher hilla in the hackground aro clothed with forents of chentauthereen. The ntreets, wide, Etrnight, and woll built, abat on a contral aquare decoratel by a fine fountain representing a palm-treo; and from marions points of the town aro scon the ontranca to the Faro, the town and harbonr of Messina, the rock and castle of Scylle, nad the suminit of Sitna to the south; the north coast of Sicily and tho Lipari Ialands to the weat; and the shore of the Gulf of Gioje as far an Cope Vaticano to the north. Tho town contains several homace of ino architecture, threc churches, one of which is
collegiate, and several silk factories : population, 8000. Bamara, on the shore road, south of Palmi, is famous for the heauty of its women, and lias ahout 3000 inhabitants. Casalnuoro, fincly situated at the western hase of the mountains, high enough to he above the influence of malaria which in summer and autumn infects the plain of Gioja, on tho cross-road from Gcrace to Gioja, is almost entirely huilt of wood, having beeu destroyed hy the earthquake of 1783 : populatiou, 8500 . Gioja, supposed to occupy the site of the ancient Metaurum Bruttiorum, gires name to the Gulf of Gioja. It is a small to wn situated near the coast and tho mouth of the Marro: population ahout 5000. The Marro is the ancient Metaurus Bruttiorum, in whose seven head-streams Orestes is fahled to have purified himself from the stains of his mother's hlood. The mouth of the river is famous now as in ancient times for its tunny fishery. Oppido, an episcopal town, on the western flank of the Aspromonte, and east of Palmi, has a population of 8000 . It is supposed to occupy the site of the ancient Mamertium. Tho earthquake of 1783 , which damaged so many towns in this part of Italy, has left numeroris marks of its riolence throughout the whole district, consisting of landslips, subsidences and chasms in the earth, funnel-shaped hollows (some of them filled with water), and suddenlyformed defiles. In Oppido several houses were ingulphed, and in the neighhourhood an olive-plantation for a width of 500 feet suhsided 200 feet helow the surrounding surface. Among the other towns are Rosarno, picturesquely seated among olive-groves, near the Mesima, population 2000 ; Laureana, a thriving village situated on an emihigh plain watered hy a feeder of the Marro, N.E. from Palmi, population ahout 4000 ; this town is huilt since 1783 , the old Albanian town of Polisteua was then thrown bodily by the earthquake into the raviue hetweeu the two hills on which it stood; Seminara, close to Palmi, population 3000. The French under D'Aubigny defeated the
Spaniards under Gonsalvo de Cordoba in the plain of Seminara in 1495 ; and on the 21 st of A pril 1503 the French army under D' Aubigny was signally defeated hy the Spaniards commanded hy Ugo de Cardona, nuo of Gonsalro's hest generals. The low parts of the coast along the Gulf of Gioja and near the rivers are suhject to malaria.
The cxtensive region uow known by the nause of Calahria was in the Roman times chicfly occupied by the Brettii or Bruttii, whom some historians have represented as runaway slaves and outlaws, and others as a wild aboriginal race, living in the extensive forests which then extended over the greater part of the country. The eastern coast was early colonised by the Greeks, and hecrmo known, with the rest of the coast as far as Tarentum, hy tho general denomination of Megale Hellas, or Magna Grecia. But the oldest name of the most southern peninsula of Calahria (that hounded on the north hy the gulfz of Squillace and Sant' Fufemia), was Italia, a term which was afterwards extended to comprise the country as far as Tarnnto (Taras or Tarantum), and finally became the name of the wholo peninsula of Italy. (Aristot. 'Polit,' vii. 10.) The name of Calabria was given by tho Greeks to quite a different country, namely, tho north-eastern coast
of the Iapygian or Messapian peninsula from Brundisium to Hydrunof the Iapygian or Measapian peninsula from Brundisium to Hydruntum; the Salcntines occupied the southern part of the same peninsuln The namo of Calabria, as applied to that part of Iapygia,
continued in nse under tho Romans, and afterwards under the continued in nse under tho Romans, and afterwards under the
Byzantine emperors, as we find in Paulus Diaconus in the 8th century, and Luitprand of Cremona in the 10 th, who both speak of Apulia and Calabria as one province, while they call the modern Calabria by the name of Bruttia, which by Constantine's division of the empire made one province with Lucania. How the name of Calahria came to be trausferred to the country of the Bruttii is not clearly ascertained; hut it would appear that tho Byzantiucs having lost in the Ilth century the old Calabris, and still retaiuing several towns on the coast of the former Magna Gracia, transferred the namo of the former province to their last remaining possessions in Southern Italy. The first Norman conquerors took the title of Dukes of Apulia and Calabria. Under the Angevins tho presumptive hcir to the throno was styled Duko of Calahria, which custorn has continued to this day. Calahria made a determined resistance against tho French, first in 1799, when the Calahrians under Cardinal Ruffo reconquered the kingdom, and afterwards in I806-7, when they waged a partisan warfare against the invaders. They were not ultimately suhdued till 1810.

The Calahrians aro a proud, thoughtful, and warm-hearted fiery race. They are personally hrave and faithful to their word; are generally good markamen, and make good soldiers under proper discipline. Their dialect rescmbles the Sicilian. The crimes which in formar times were frequent in Calahria have greatly diminished;
murders are no longer frequent; and banditi have all hut disapmurders are no longer frequent ; and banditti have all hut disap-
peared. The hicher onders are nociable, well-informed, and hospitable. "Most of their towns," sajs Keppel Craven, "are huilt on conical hills, which they crown to the very top; the lower housess being joined together by thick walls, constitute a kind of rampart. The women wear a borly with the full shirt slceves, and a thicklyplaited petticoat of coarso cloth, and on the hoad a cloth folded like a napkin, as in other parts of the Neapolitan and Romanstates. The men wear short jackets sud close hose, generally of hlack cloth, leather gaitcrs or coarse stockings, with shoes of undressed skin tied
by thongs half-way up the leg, sandal fashion. Their hats are coniby thongs half-way up the leg, sandal fashion. Their hats are coni-
cal and high, with hardly any brim to them. The principal deficiencies
of Calabria are want of harbours along the coasts, and the malaria which prevails in most of the large valleys. By embanking the rivers aud draining the marshes the atmosphere is in parts improving. The great carriage-road from Naples, which has heen continued to Reggio through the whole Iength of Calahria, with hranch roads to wards hoth seas, is another essential inpprovement.
(Straho; Gihbon, Decline and Fall; H. Gally Knight, Normans in Sicily; KeppeI Craven, Tour in the Southern Provinces of Naples; South Italy; Afan di Rivera, Considerazionisulle Due Sicilie; Colletta, Sloria del Reame di Napoli; Serrao, De Terremoti di Calabria; Dictionary of Classical Biography; Biographic Universclle.)

Calahorra. [Castilla la Vieja.]
CALAIS, a fortified town and sea-port of France, in the department of Pas-de-Calais, is situated on the south shore of the Strait of Dorcr, 20 miles N.E. from Boulogne, 22 miles S.E. from Dover, and 190 miles N. from Paris (by railway as far as Boulogne), in $50^{\circ} 58^{\prime} \mathrm{N}$. lat., $1^{\circ} 51^{\prime} \mathrm{E}$. long., and has about 13,000 inhahitants, many of whom are English. The first mention made of Calais occurs in certain titledeeds of the 9th century, when it was a mere fishing village. The harbour, which was naturally formed by a small stream called De Hames, was improved hy order of Baldwin IV., Couut of Flanders, ahout the year 997. Philippe of France, count of Boulogne, surrounded the town with a wall flanked at regular distances hy small towers and defended on the outside hy wet ditches. Such was the solidity of the masonry that this wall still remains. In 1227 Philippe also erected a vast keep, which was called the castle of Calais; this was demolished in 1560, when the present citadel was erected. After the battle of Crecy Edward III., king of England, ou the 1st of August 1346 invested Calais, which was defeuded hy the towasmen commanded hy Jean de Vienne. After the siege had lasted eleven months, the King of France at the head of an army of 60,000 men approached to relieve the town, but judging the English position to be unassailahle he left Calais to its fate. The townsfolk, pressed hy famine, offered to capitulate, having nobly defended their town for above twelve months. The cruel terms imposed hy Edward, the noble self-devotion of Eustache de St.-Pierre aud his companions, and the generous and successful intercession of Queen Philippa, are well known. Edward entered the town on the 29th of August 1347, drove all the inhabitanta from the town, re-peopled it with English, and seut the garrisou prisoners to the Tower of London. The English improved the town and added to its defences; they held it till I556, when the Duke of Guise stormed it after a seven days' siege, and drove all the English from the town. Since that time Calais has remained in the hands of the French, with tho exception of ahout two yearg-1596-8when it was held hy the Spaniards till the peace of Vervins.

The ramparts, forts, and citadel which defend the town render Calais a fortress of the first class. The sea washes it on the uorth and west, and on the south and east low marsh land, which can be easily flooded, stretches up to the walls except for a space of about 250 yards, aud this approach is commanded by the cross fire of the forts.

Tho town and citadel form a parallelogram, having one of the longer sides towards the sea. The citadel is at the western end of the town; it is large and strong, and commands at ouce the town, the port, and the country around. The harbour, which is a tidal one, small and shallow, is entered by a channel formed by two moles huilt of stone and three quarters of a mile long; it admits ressels of 400 to 500 tons, and has steam communication with Dover twice a day, and with London. The spot on which Louis XVIII. landed in I814 is marked by a pillar. From the port the town is entered hy a drawbridge and gate erected hy Cardinal Iichelieu in 1685 . The town is pretty well built; the streets are straight, clean, and well pared; the houscs constructed of stone and hrick. The centre of the town is occupied hy the Place-d'Armes, a spacious square which serves for a market-place. In this squaro stands the Hotel-de-Ville, in front of which are statues of Eustache de St.-Pierre, the Duke of Guise, and Cardinal Richelieu. A tower 124 feet high stands in the centre of the Place-d'Armes, which serves as a laudmark by day and a light. house by night. The cathedral was built during the English occupation of the town; it is a handsome gothic huilding, coutaius 11 side chapels, and a picture of the Assumption hy Vandyke. The other remarkahle objects in the town are the Hotel-de-Guise, in which Henry VIII. used to lodge, the puhlio library, the theatre, and the harracks. The outer ramparts and the mole afford excellent promenades. The town is entered from the land side by a strongly defended gate and drawhridges.

Calais possesses a tribunal and chamber of commerce, and schools of design and hydrography ; it has some foreign and a hrisk coasting trade; vessels belonging to the town are employed in the cod, herring, and mackerel fisheries. Corn, wine, oil, hrandy, linen, wood, coal, oggs (of which above 50 millions are annually eent to England), and colonial produce are the principal articles of commerce. The town has communication by canals with Arras, Dunquerque, Gravelines, and St.Omer; and by railroad with Belgium and with Paris through Lille and Douai. It has instantaneous communieatiou with Dover hy submarine electric telegraph-wircs, which were first employed for mes sages, September 27, I851. Calais used to be the principal landingplace for English travellers in France, hut in this respect it is now
surgeced ly boulogne. The bown lowever han atill a considemble share in thin trallic: ms many an 53,864 travellem to and from Fougland grased through Calais in 1850 . Tho linglish and Freach maila gres by the route of Calain Calais in becoming a nanufacturing town, and mills aro encroaching upon the lnver ramparta The principal falrie ls bobbin net; thin mauufacture gives employment to great numbers in the town, the suhnrh of St. Piorre, and tho villagen of the noighbourhood. Other articles of manufacturo are soap, ntraw honueta, and lenthor. There are almo steam flour and oil mills, salt and agarefinerins, and yards for boat and ship-huilding. The herring and mackercl.fisheriv give employmont to a goot many bande
(Dictionmaine de la France: Macgregor's Statistics.)
C.llasis, ST. [Sarture, Depmartinent of.]

CALATAYUD. [Aragos.]
CALATILAVA, formerly a town of Spain, was situated on the wouth bank of the Guadiana. In the middle ages the town was atrougly fortified, but is now reduced to a single tower, with the appellation of Calatrara In Vieja (Old Calatrava), in contrmiistinction to the great conrent (erected in 1214) for the inilitary order called Knighte of Calatrarn, threo leagues from it, and named Calatrava la Nucra (Now Calatrara).
CALCUTTA, the capital city of Bengal, and the seat of the supreme gorernment of British India, is situated on the leff or cast side of the river $1 l$ oogly, in $22^{\circ} 23^{\prime} \mathrm{N}$. lat., $85^{\circ} 2 S^{\prime} \mathrm{E}$. long. ; about 100 uiles from the sea.
In the beginning of the last century Calcutta was only an insignificant village, inhabited by native huebandmen; and a great part of its preaent site was completely covered with jungle. The proximity of the low and damp region of tho Sunderbunds, a woody tract containing eight moutha of tho Ganges, is neceasarily unfavourable to the alubrity of the eity, which is still further impaired by a denso forest on the east, and somo exteusire muddy lakes on the south. The Finglith havo momewhat miltigated this evil by draining off the surfaco-water near the town, by filling up staguant ponda, and by clearing away the murrounding jungle to a considerable extent.

In 1695 tho English fectory wa removed from Iloogly to this place, then occupied by the village of Covindpore, hat in 1756 there were not more than ereventy housas in it occupied by Europenna. Suraja ud Dowlah, the moubahder, or ricenoy of Bengal, attacked the place in Junc 1756. On this occasion the factory wan deserted by the governor, the commandant, and many other of tho Europenn functionaries and reaidents On the capture of the place the English who had renained to defend the factory were thrust into a small unwholesonn dungeon called the Black llole, and of 146 individnals who were thus shut np at night only 23 wero found alive in the morning. In the beginning of tho following year a squadrou cousisting of fire ships of war, accompanied by 2400 troops under the command of Colonel Clive, arrived in the Ganges from Madrus and re-took the town of Calcutta, from which the garrison of the soubahdar retired, after an attack of only two hours duration. The citalel, to which the name of Fort William was given, was constructed by Clive soon after the battle of Plassoy, fought in Juno 175\%. This fort stauds on tho bauk of the Hoogly, abont a quarter of a mile below the city. Its form is uctagonal ; five of the sides which aro towards the land aro regular, and three which frout the river have their lines varied according to local circumstances. Fort William is the most regularly constructed fortress in India. The works are low and monnt 619 guns, and there are but few buildings within the ralls, which are so extensive that it is maid 10,000 men would be required to defend it in case of attack ; the citadel contains accommodation for 15,000 : it is computed to hare cost in lis construction altogether two millions sterling, of which ono-half was paid by Meer Jaffir. Its principal batterics are towards the river, from whlch aide only an attack is to be apprehended. The apsee between the fort and the city, called the Fisplanade, containa the Government-llonfe, built by the Marquis Wollealey, which in the fluent lmilding in Calcutta; it consists of a centro with four winga, ono at each comer, connected together by circular pasmgea The eentro huilding contains two very fine rooms. The lower of thene, the hall, is parol with marble, and aupported ly Doric columns; over thin is the ball-room supported by Ionic pillark The private apartmenta, the conncil-room and other offices aro contained in the winga. On a line with thin building in a range of magnificent dwolling houncs with apacious veranduhs.

The town extends for abovo six miles In the direction of the rirer : the arenge broulth is about two milem. The parta in which Europeans revide are montly oceupled by handmome detnched hounes, built of brick and atuccoel with chunam, which gives thom tho appearance of marblo pelacea. The prinelpal square measures 1500 feet on each alde, and in the mulddle han a largo tank, from which it taken its marme. Thintank, whlech in 60 feet deep, In turrounded by a haudsome wall and balutrale, and han vtepa in the interior reaching to the lottom. During the oiministration of Lord Ilartingo large sume wero expemed in lenproring the ventilation of Calcutta; a street 60 foet wido wa openal through tho centre In lts longeat diameter, and sevoral squarem were male, which, like the one niready deaeribed, hare each a tank in the rolddle aurronnded by planted walke A quay, ealled the Strand, letween two and threo milen long, wan formed,
which extemin upon tho rivenkunk nlong the eity. This quay is 40 feet mbove low wator mark, nul in furniahed with many ghauts, or broad fighta of whop, which are uneful for the landing of goods, and for the accommorlation of the uativen in making the fropucnt ablutions prescribal by their religion.

The princlpal public luildings, besides the guvernment-house, are -the town-hall, the mint, the courta of justioc, numerous Protestant eliurehen, e cathedral, lioman Catholic chajvelm, a Greek and an Armouinn churel, neveral Ilindon collegon and pagodos and Mohuu. medan anosquen, and a Sikh vemple. Thene ars also the Ochterlong monumont; tho Consipre foundry; tho Asintio Society'a rooms ; tho Bishop's college, mul numerous other bnildinga. On the south sillo of the town are an horpital and a jail. The quarter in whieh the natives principally reside in to the north, and consists of narrow streets, with lofty housen whono lower almartinents are naually occnpied as shopes or storen The upper portiuns are pierced with loop-holes, and tho backs of the houses usually look on the strect. This quarter swarma with inhabitants. Tho total uumber of iulabitants in the city and auhurbs han never boen regularly entimaton; and several calculations which have been attemphed vary in their realls between 82,000 and $2,225,000$. There are no public reginter of birtha, except irregular ones under the orders of the superintendent of police, and the momorauda of deathemoted at the burning ghauts of the llindoon Of the Christians and Jews there is no enumeration. From careful calculations prepared by Captain Birch in 183\% the populatiou is stated at 229,705 residents in the city, whieh added to the immenso unmhers dwelling in the suburbs, who daily pour in vast crowds to their occupations in the town, must make the whole nearly 100,000 . The population is divided into uumerous elassen, the liurasions, or progeny of white fathers and nativo mothera, the Portuguene, the French, the Chinese (almost all of theso are ahoe-makers), the Armenians, the Jews, the Moguls, the Parsees, the Arubs, the Birmese, the Madrasses, the nativo Christians, and the English. With so large and varied a population, Caleutta prements at all times an animated seene. The great mass of the population speak the Bengali langunge; and many, including the servants attending upon Europeans, speak the Hindustani also.

The botanic garden, a splendid estahlishment of the Enst Indin Compauy, is situated on the right side of the Hoogly, where that river makee a bend, to which the name of Garden Reach has been given. Above is au extensive plantation of teak, which wood does not oceur naturally in this part of India. The introduction of this rpecies of tree is considered desirable, as ship-huilding forms an important branch of industry. On the right bank of the river, both above and below as well as opposite to tho city, there are several privato yards for ship-building.

The soil in and about Calcutta is so deficient in water, that after boring to the depth of 140 feet no springs lave been found. The city howerer is supplied with plenty of good drinking water from numerous extensive ponds or tanks situated within and without it The periodical rains aunually fill them. Many tranke of trees have been discovered 60 feet uuder the surfsce stauding erect, with their roots and branches perfect. Thin straha of coal and blue-clay have been met with between 50 and 60 feet below the surfnce.

The external trade of the proviuce being almost wholly carried ou at Calcutta, its unture and amount have been given in our dascription of the province. [Brsoan] The river is about a mile wide at highwater, and trading ressels of the largest size ascend as high an the town. The attontion of strangers is much excited on frst risiting Calcutta, by the number of vulturea, kites, crows, and a spocies of erane, which from its stately walk has received the namo of 'adjutant.' These birds clear awny the surplus food provided for Hunopeana, which is throwu at nightinto tho streets, as it cannot be kept in that climate, and there are fow poor permons to consume it whose religious prejudicen will allow of their doing so. These scarengers are assisted by nmmerous foxen, jackala, and wild doga from the neighbouring jungles, who prowl through the city at night, and rhose mingled howlings produco a very unpleasing effect. Tho markets are abmul antly supplicd with ganc, meat, fish, regetables, and fruits, the whole of which are sold at moderate prices. The game consists of wildducke, teal, ortolans, mlpes, hares, and venison. Among the fish is 0no-the mango fish-which is described as a great luxury: it has derived its name from the fact of its appearing in the river only at the meanon when the mangoes ripen. l'ruits aro furnishel in an infnito rariety, aud of delicious finvour; pine-alplen, melonm, mangoee, oranges, guaras, peachea, loquata, and stiswberrien are among the more naual descriptions. The inlabitants iudnlge largely in these luxuriea, and their pleasuro in greatly euhapeed ly the ahundant store of ice always contained in the ice-house of Calcutta
The Furopean inhabitanta have eatabliahed sovernl inetitutions for literary, scientific, and educational objects. Tho Asistic Society, formed by Sir William Jones, was founded at Calcutta lu 1784. Tho Metcalfo 1lall for the ncommordation of the Agricultural Society of Indin, and the Caleutta l'ublic Library, are of recont date. The theatro was erected in 1841, after tho dontructiou by fire of one built many yeam ago. Among the inntitutions for promoting education are the 13inhopis College, founderl In 1819, and the College of Fort William, a governuent entablinhment for the intruetlon of young men who havo
been partially educated in the college at Hailcybury. A Sanscrit college, a Mohammedan college, aud an Anglo-Indian cellege, are likewise supported by governnient. The residents of Calcutta support a variety of charitable institutions and of societies for religious objects. Calcutta is the seat of tho supreme court of judicature for the presidency of Bengal. This court is under the control of a chief justics and three puisns judges appointed by the qneen. The courts of Suddur Dewanny Adawlut, and Nazamut Adawlut, established in Calcutta, the first for civil, the last fer criminal causes, are courts of appesl from the provincial courts in all parts of India.
In 1814 a bishop's see was erected within the compauy's dominions in India; the bishop, under the titls of Bishop of Calcntta, has his residence in that city: his salary was fixed by Act of Parliament at $5000 l$. per anuum.
(Rennell, Memoir of a Map of Hindustan; Mill, IIistory of British India; Tennaut, Indian Recreations; Reports of Committees of House of Commons on the Affairs of Indict.

CALDER, one of the rivers of Yorkshire, rises in the high grounds on the borders of Lancashire, in a marsh iu Cliviger Dean, south-west of Burnley; aud from the same msrsh rises a branch of the West Calder, which runs in an opposite direction and jeins the Ribble. The course of the Yorkshiro Calder is easterly, through the deep valley of Todmorden : at Sowerby the river passes within two miles of Halifax, and by Dewsbury and Wakefield, at which latter place it is crossed by a bridge of nine arches. From Wakefield the course of the Calder is nearly north-east to Castleford, near Pontefract, where it joins the Aire, which enters the Ouse five niles from Snaith. A little below Salterhebble, about two miles south-wcst from Halifax, the Calder receives the Hebble, a mmall but mpid stream, which rises above Ovendsn, and passes round ths north and east sides of the town of Ilalifax; and a few miles farther east it receives the river Coln, which rises uear Holm Moss, and runs past Huddersfield. The Calder is an important feature in the canal system of Yorkshire and Lancashire, and forms part of ths line of internal navigation between the enstern and western eoasta. Tho Rochdalo Canal, $31 \frac{1}{2}$ miles in length, commences in the Calder and Hebbls navigation at Sowerby bridge wharf, and terminates by a jumetion with the Bridgewster Canal at Manchester. Tho Calder and Hebble navigation is 22 miles long, from its junction with the Aire and Calder navigation, about a quarter of a mile from Wakefield, to the basin at Sowerby bridge, in which it terminates. The Caller forms a considerabls portion of the line, except where ents are mado to avoid the circuitous course of the river. There is a brauch to Ilalifax. The Barnsley Canal commenees in ths lower part of the Caldcr, near Wakeficld, and joining the Dearnc and Dove Canal, which terminates in the river Dun uavigation, opens a communication with Shefficld and Rotherham. The lamsden Caual commences in ths Caldcr aud Ilebble navigation, and terminates at Ifurldersfield, from which a line of canal, called the Manchsster, Ashton, and Oldham Canal, exteuds to Dukenfeld in the parish of Ashton-under-Line, near which place it is joiued by the Peak Forest Canal. The canals of Lancashire anl the Weat liding of Forkshire are connected with ths Ouss by the Aire and Calder nnvigation, which includes the Ssiby Canal and the new canal from Verrybridgs to Goole. In 1625 an attempt was made to obtain an Act"for ths making and maintaining the rivers Ayre and Cawlder," but no Act was passed before 1699. The clothicrs of Lecds aud Wakefield, in a petition presented to the Ilouse of Commons in favour of the hill, complained heavily of the rlifficulty of transporting their manufactures: "the expense whercof," they state, "is not only very chargeabls, but they are forced to stay two nonths sometimes while the roads are unpassable to market, and many times tho goods receive considerable damage, through the badness of roads, by overturning." Within the prescnt century the Aire and Calder navigation has been rendered one of ths most efficient lines of water communication iu the kingdom. The Aire is not narigable above Lceds. A little abore Leeds bridge the Leeds and Liverpoul Canal locks down into the Aire. The brancl of the Aire and Calder navigation to Wakefield is 12 h miles in lengtly from the junction of the two rivers at Castleford ; and with the Calder and Hebble navigation and Rochdale Canal forms the line of communication with South Lancashire, while the Leeds and Liverponl Canal is carried through the middle and western parts of that county, and terminates at Liverpool. At Haddlesey, 41 miles from the Ouse, the Aire and Calder navigation has a brnneh to Selby, which facilitates the interchange of commodities between Leeds and Wakefielrl and the populous districts to tho west, and the agricultural distriets of the East and Nortl Ridings of Forkehire. A fino canal, 60 feet wido at top, avd 181 miles in length, hrs been formed from Ferrybridge to Goole. At Goolo capacions docks have been constructed, and a custom house established, so that goods can be shipped thence to foreign parts. [Goole.] About 1828 further improvements were effected in the Aire and Calder navigation, by which vessels of 100 tons burden can go to Leeds and Wakefield. Additioual euts have also been made iu order to avoid the circuitous course of the river, and the line has by this means been rendered several miles shorter. But the commereinl value of thin important water communication has been ennsidcrably affectel by the great derelopmeut of the railway system in this patt of the country. Many of the abovementionerl eanal-hrunches have been purchared by railway compunies;

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and thoss which have net been so purchased are exposed to ths competition of railways runniug very near them.
CALEDO'NIA, the nams given by Tacitus and other ancient writers to the most northern part of Britain, north of the æstuaries of Glota and Bodotria (the Clyde and the Forth), which fermed the permanent beundaries of the Roman province. Tacitus calls the natives ths "Britons who inhabit Caledonia," and hs says that the reddish colour of their hair and their largs limbs denoted them to be of Germsu extractiou. ('Agricolas Vita.' 11, 25.) Agricola wss tho first Roman geueral who came in contact with ths Caledonians. In ths sisth year of his government he advanced beyend Bodotria by land, while his fleet followed aloug the coast. He met with a sharp resistance, and the niuth legiou was surprised by night in its camp by the natives, who were at last repulsed after much loss on both sides. In the following year Agricola marched again into Caledenia as far as the Grampians, whers more than 30,000 of the natives were posted under the command of Galgacus, their principal chief. The battle, which was won by Roman tactics, and attended with a dreadful slaughter of the Caledonians, is described in a most lively manner by Tacitus. In the night the natives retreated into the interior, after burning their heuses or huts, and Agricola could not tell which way they had gone. Accordingly he moved back his army to the south of ths borders of Gleta and Bodotria, the line between which he had fortified by strong outposts. [ANTonivus, Wall or.] There is no evidence of the Romans having ever after advanced much bsyond those limits. The name of Caledonia has been often applied to Scotland in gsneral, though improperly.

CALEDONIA, NEW. [NEW CALEDONia.]
CALEDONIAN CANAL, a connected series of lakes and canals extending through Glenmore, or the 'Great Glen of Albion,' and connecting the Western Ocean with the North Sea. In 1773 the trustees for forfeited estates employed the celebrated James Watt to repert on ths practicability of a canal from sea to sea through Glenmorc. Watt's report was most favourable; but the forfeited estates having been soon after restored to the families to which they had formerly belonged, the office of trustee was abolished, and the project dropped. In 1802 the scheme was revived, and government employed Mr. Thomas Telford, the civil engineer, to re-survey the district, and to report the result of his investigations. This report was in favour of the construction of the canal, and the work was immediatcly procceded with under Mr. Telford's direction. Operations wers commenced in 1803. In 1820 the eastcru division of ths canal was opened for navigation. The whole line was opened towards the elose of 1823. The Caledouinu Canal commences on the soutli-west on the shore of Loch Eil at Corpach near Fort William, iu $56^{\circ} 50^{\prime}$ N. lat., $5^{\circ} 12^{\prime} \mathrm{W}$. loug., and joins Loch Locly by a cutting 8 miles in length a sliort eutting of about 2 miles conuects Loch Lochy with Loch Oich; a canal nearly 6 miles long continues the navigation from Loch Oich to Loch Ness; from the north-east end of Loch Ness a canal of about 7 miles in leugth coutinues ths passags to Clachnaharry near Inrerness; whence by another short artificial cutting, it opens into ths Moray Frith on the shors of Loch Beauly, in $57^{\circ} 26^{\prime}$ N. lat., $4^{\circ} 15^{\prime} \mathrm{W}$. long. The length of this communication between the west and east seas is in all about 60 miles, of which rather more thsu 37 miles are through natural lochs or lakes, and about 23 miles through artificial cuttings. The summit level is at Loch Oich, which is abeut 94 feet above high water on the east coast at spriug tides. There are 28 lochs in the range, 14 being to the west of Loch Oich snd 14 to the east. The locks are ahout 170 feet in leugth and 40 fcet in width, the riso at cach lock being 8 feet. The width of the canal at the water surface is 120 feet; at the bottem 50 feet; the depth of water is 17 feet. There were considerable engineering difficulties to be over come in ths construction of the canal. Ths object proposed iu this national work was the avoidance of the tedious and often dangerous voyage by the Orkneys and Cape Wrath. From Kinnaird's Head on the east coast to the Sound of Mull on the west eoast the passage by the Urkneys and Capo Wrath is about 500 miles, while by the inland uavigation the distance is only 250 miles. By the Cape Wrath passage also many shipwrecks had occurred. A large amount of public money has been expended on the works. The returns have bcen vary small in comparison with the cost; one chief source of expected revenue was indced eut off by the act of the lcgislature in imposing duties upon the import of timber from the Baltic in order to cncourage the employment in this country of timber of Canadian growth. For a number of years after the opening of the canal-vesssls were often dctained in the lochs by calms and contrary winds: since 1847 this has hesn remedicd by the catablishment of steam-tug vessela, causing a considerable increase in the number of vesscla using this line of navigation. The amount of public money granted by Parliament at various periods from 1803 to 1847 was $1,232,387 l$. 8s. ; the amount receiverl for eanal ducs, shore dues, \&c., to 30 th April, 1849 , was $57,134 l .18 s .0 \frac{1}{2} d$. ; for towages, $1216 l .98 .8 \mathrm{cl}$. ; for rent of houses, stahles, lands, materials sold, \&e., $9119 l .12 \% .3 \mathrm{~d}$.; for interest on Exehequer bills, interest from bank, \&e., 11,411. 15s. 2 d . The cost of constructiou, rspairs, management, law expeuses, shipping, roads, icc, from 20 th Octoher, 1803, to 5 th May, 1849, was $1,206,840 l_{\text {. }} 11 \mathrm{~s} .7 \mathrm{~d}$. ; cost and maintenance of steam-tug vessels, $13,1421.8 \%$ 2 $2 l$. The cannl rates are in most cascs oue farthing per
zalle per ton for the wholo pange, the reto for wwago being almilar. The charge on stemen-veasla pming wholly through the canal is 2 , per mgister ton, whether larlen or unleden. In ists the mumin. sloness, with the view of inducing a greates number of tho Ihaltie trutere to the the pu-ge by the ennl, malueal the dues on trating milling veveols exeverling 125 tom register to In per reginter con fur the through panage ; aud to encoumge the trafic connectell with the thberies, the cowage ratee on vessele buden with herringe or malt were rodeced by one half. The opealng of tho Caledonian Canal has givem fise to an incremsat lntercourso and irnstic botween luremene suil Glaçow, and ganerally botween the northern and woatern districts of Sootland. Muelidamago wan mutained by the works of the caual in Decpomber 1815 and January 1819 by a acvere storm and heavy mina The damsge was mepmired with great mkill and pmmptitude, and at lese cont liben was matleipated, under tho direction of Mr. Wialker, consulting engineer to the commimaners, and Mr. Georgo May, their readent engineer. To cover the exponme, Parliament gratod 10,000 . to the commindoners $\ln 1519$.
(T)en Stariainal A ccownt of Scolland; Fonty-fourth Report of the Cbimissioners for Making and Maintaining the Caledomian Canal: Life of Tdford, cdieed by Itiekman.)

CALENBE:IRG. [IHASORER.]
CALICUT, sea-port town in tho phovinco of Malabar, in $11^{\circ} 15^{\circ}$ N. latu, and $7^{\circ} 5^{\circ} 50^{\prime}$ F. long. Calicut was tho first Indinu prort visited by Vaco do Gama in 1408. The name of tbo place is properly Colicodru. Prevlons to the Mussulman iuvasion it was the chicf residence of the Tamuri rajas, and whe a very flourishing city, owing to the success that ita lords had in war, and the encouragement they afforded to commercial pursuits In 1768, the town was taken by Hyder Ali, when be enlarged the fort. His son Tippoo afterwards destroyed both the fort and the town, and removed the iuhabitants to Nelluru, the name of which placo be changed to Furruckabed. When the provinec of Malabar was conquered by the English, in 1790, the former inhabitants of Calicut returned to their old abode. Before its destruction by Tippoo the town contained between 6000 and 7000 housan. In 1500 Calicut again contained more thnn 5000 houses. The luhabitante are mostly Moplays, who are of Arab descent and profen Mohammedanism. The manufacture of cotton goods was formesly carriod on here to a great extent and fumished a conviderable supply of those goods to Eurone; but at the present time the greater part of the elothing uned in the country is imported. The exports now consist prineipnlly of cocos-nuts, betel-nuts, pepper, ginger, tarmeric, leak-wood, eandal-wool, cardamome, and wax.
(Honnell, Memoir of a Mop of Ifindustan: Mill, Mistory of Brilish India: Dr. Ilamilton (Buchanan), Journey through Mgnore, Canura, and Malabar.)

CALIFORSIA. Tbe conntry formerly known as California extended along the shores of the Paciffc Ocens from $22^{\circ} 45^{\prime} \mathrm{N}$. Int. to $42^{\circ} \mathrm{N}$. Int. It connisted of two parth, Upper or New California and Lower or Old Califormia, and forried the north-weatern portion of the territory of the republic of Mexieo. By the treaty of February 1848, Upper Californis, the northern and larger part of thin territory; was ceded to the United States of North America, and now forms the State of Califormis, the Torritory of Utan, and, in part, thn Territory of New Mrxico, under whleh titles it will be fouml deseribed. Lower Cadifornia etill belongn to the republie of Mexico, and will be most conveniently noticed here.

Iomer Cilifornic is a peninsula divided from the mainland by the Gulf of California, and extends from Cape San Lucas, $20^{\circ} 45^{\prime}$ N. Int, to the northern extremity of the golf, $32^{\circ} \mathrm{N}$. lat., where it is bonnderd by the State of California Its area is upwards of 60,000 equare eniles: the populatlon, which consists principally of Indinas, is probably anuch under 10,000 . This tract of country may be considered as a colltinuous mass of hlgh, bare, and stecp rocks, with numerous ravines intersecting them. With the exception of two or tbrco places, it bardly contains any level ground that can be called a valley. Niearly all the places which contain a small tract of cultivable ground aro on the cantern declivity of the mountains; the weetern side generally minks with a mpll descent to the Pacifie; the ohores are coumequently nteep and rocky. Towarde the nortbern extremity of the gulf, fron about $80^{\circ} \mathrm{N}$. lat, tho mountains recede to a conslderable dintance from the shore, and leavo a large tract of flat country between theus and the nea; bat thinsurface, being oomposed of fine mand, is ontirely sterile.

The burearm of the rocks in chiefly owing to the climate, which is exceedingly dry and hot. Only the monthern portion has the annual rains, whieh lant for nix week or two months, in September and October. At Loreto it ouly ralne at intervale of from five to nix yoarn, wben the raine desend In greet abundance, but do not last for a long time. Farther north, af far o to known, it never mima Tho hent is excewwive. The thermometer rises to $100^{\circ}$ Fahr., and even higher. Lower Callforait mey coneoquently he cundiderd one of tho hottont countrien of Amerio. Partbquikea are not known, lrut there in a volenno near $29^{\circ}$ N. lat., in a Erowp of zountalm called Coutren Virgisen.

The regctation is very conaty, occurring only in abeltereal valleys which are waterod by the mountain etremme The mumler of trees is small, but sorne of them are valuable, arreh us the manquito trees, on Thow leaves catcle feed whom there bo nom, whieh hapmens very
frequently. The bark of nome of the trees is used for tamniag; and othem produce elible fruite, which grow very well in the hot and dry ralleys, empoially figa, quincen, olives, dates, and grapes, whleh linve been Intruducod hy tho sprasinels A good nort of wino is made In a fow ilacen maina, inandiog, and come other plants are cultivated; but the produec is not autheiont for the consumption of the ecanty pupulation, and thorefore maive and wheat aro brought froms the wninland and exchanged for fruit, spirits, maap, salt, jearls, and tortolac-blalla
Cattle, horsen, and mulen are rather mumerous in proportion to the population. Hogs are ntill more numerous Azong the wild aninuls ane wolvan, foxes, deer, and difforeut kinds of goate, of whioh onc, callod beroada, is dintiuguisbed by enormous horms. Ground-tçuirrels, rattlo-snakes, lizands, and wcorpions abound.
The mineral richen are nupposed to bo considerabla, hut they have boen little worked. Gold is extracted near dar l'az, hut the metal is not abundant. it is uppromed that the western declivity of tho monntains contains a conoiderable quantity of minerals, but if this bo the case they will probably not be workod, es this part of the peninsula is quite uuinhabitable. Lead is said to bavo been found cowards the southern extrouity of the peninsula. The penrl-fishery was formerly prosecuted along the Gulf of California south of $35^{\circ} 30^{\circ}$ N. lat. with considerable succens; but the jucarl-beds appear to liave been for oome time unproductive.

Though Lower California was discovered hy Ifcrnando do Cirixalva in 1534 uo settlement was formed by the Spaniands before 1698 , when the Jesuits established themselves liere, and began to collect the wandering Indians into their missione, aud to convert them. But the population was scanty, and so it is atill. All tho Jesuit stations have been abandoned. The Indians bolong to several tribes, of which the Perieues, Monquis, and Colimics are tbe most known. They Ejeak different languagea, and go nearly naked.

Lorelo is considered the capital of Lower Californin. It is situated on a bay in the Gulf of California, abont $20^{\circ} 20^{\prime}$ N. Int., at the foot of a valley between 2000 and 8000 feet wide, and surrounded by wild and sterile mountains, of which La Giganta (the Giantess) perhaps rimen to 5000 feet. The cown is small, and inhalited by ouly about 300 persons. Two gardens in the valley belong to the community, aus their fruits supply the principal article of trade. The aneborage of the bay is open to the winds from north-north-west and soutli-enst.
La Paz, the most important town, is farther to the south (abont $24^{\circ} 10^{\prime} \mathrm{N} . \operatorname{lat}$. ). It stands at the head of a deep bny, but is a place of little trada. In its vicinity is a considerable quantity of eultirated laud, and near it is the gold mine of S. Antonio. Fruit and regetables of excellent quality are raived. Its whole population is about 2000. The harbonr of Pichiluigo, which lies near La Pas, is good; but ouly small vesaels can enter it, the water being shallow. At the Intter cnd of 1858 an attack was made on La Paz by an amed party of about thirty Amerienns from Upper California, who landed, overcame what littlo renistance was made hy the inhabitants, declared a republic, and nominated a government; but on a force being asaembled in the neighbourhood the expedition whr re-embarked, and sailed away.
CALIFORNIA, GULF OF, which was first visited hy Ifermando de Grixalva in 1534, and received the mame of the Sea of Cortes, extends along the west const of America, between the maiuland and the peninsula of Lower Californin, beginning on the south between Cape Palmo on the peninsula (ahout $23^{\circ} 10^{\prime} \mathrm{N}$. lat.) and tho port of Mazatlan on the mainland (about $93^{\circ} 90^{\prime} \mathrm{N}$. lat.), and extending north-west to the mouth of the lRio Colorado ( $32^{\circ} \mathrm{N}$. lath). Its leugth Is above 700 miles, and its brealth varien between 150 aud 10 miles. To tho north of $27^{\circ} \mathrm{N}$. Int. it is havlly soore than $S 0$ miles across at any place.

It western shores are in gencral rocky and high, except to the north of $30^{\circ} \mathrm{N}$. lat., where the const is mandy and flat. Thin low const continues on the east side of the gulf to the island of Tiburon, where it begins to be nomewhat higher, and continues so as far as the mouth of the IRio Yaqui. J'rom thin proint to the vicinity of J'unta Arricifes the cont in again low and mandy. At tbo I'unta Arricifes it ls rocky and lined with cliffa, Betweon thin cape and the port of Mazatan it is of moderate height, but in general not rocky. The enstern shorew are lower and leas rocky than tho western, but like tbem they decline towanls tho northern end, where they aro flat and sandy. Along the weatern const, 1 rincipally towarla ita southern ond, are numerors islanda, mont of them of manll slze. Nearer the zniddle of the gulf, though still towarla the wentern eloorc, in the island of Angelen, by far tho longont ialaud in tho gulf, extending from $29^{\circ} 5^{\prime}$ to $2 y^{\circ} 40^{\prime} \mathrm{N}$. Int ; momewlint nouth-cant of it in one of larger area, the inland of Tiburon, which lien at the mouth of Braja Bay on the onst comst.

Finh aro pleutifnl, and among then are mome npecies of enormous aize, which are much dreaded by the pearl-divers of the Californiau preninsuls. These are espectally the merom, tintareros, and the sharks. The sharks as well as coals aro mont numerous to the sorth of the lalaurl of Tiburon. Turtlon and tortoises also abound, prineipally slong the shome of the mainland north of Tiburon, where the shells of the latter are collected by the lndinse. The sea at the cutrance of the gulf in much frequented hy the spermaceti whale, and on that
account is annually visited by a few English and American veasels. The soutbern portion of the gulf is visited by a few foreign vesscls, Which supply Sonora with European goods, and take the produce of its copper-mines to China. These vessels go principally to the barbour of Guaymas on the east coast ( $25^{\circ} \mathrm{N}$. lat.). The same part of the gulf is also navigated by a few Mexican vessels, which carry maize in exchange for the produce of tbe peninsula. 1 fcw small vessels are employed in the pearl-fisbery. The northern portion of the gulf is seldom visited, the coasts being only inhabited by wandering tribes, who have nothing to offer in cxchange. Tbe navigation in the gulf is entirely interrupted in the montb of September by the terrible hurricanes called cordonazos (gales), which blow at that time with great violence.

CALIFORNIA, STATE OF, one of the United States of North America, is bounded $N$. by tbe United States territory of Oregou, N.E. by tbat of Utah, S.E. by that of New Mexico, and S. by tho Mexicau territory of Lower California. Its western boundary is the Pacific Oceau, along which it extends from $32^{\circ}$ to $42^{\circ} \mathrm{N}$. lat.; its eastern boundary is defined by a line which runs along $120^{\circ} \mathrm{W}$. long. from $42^{\circ}$ to $39^{\circ} \mathrm{N}$. lat., thence in a soutb-eastern direction till it intersects the Rio Colorado in $35^{\circ} \mathrm{N}$. lat., whence it is continued dorn tbe mid-channel of that river to its mouth in the Gulf of California, $32^{\circ} \mathrm{N}$. lat. Tbe area is 188,981 square miles: the population in 1852 was about 300,000 . The tract of country which now forms the State of Califurnia was until lately the coast section of the territory of Upper (Alta) or New (Nueva) California, tbe nortb-western nrt of the Mexican repnblic. It was ceded to tbe United States of North America by treaty in February 1818, and has since been almitted into the Union as a sovereign state. The extraordinary iucrease of its population will be seen by the following statement:In 1802 Humboldt, from materials supplied by the padres at the head of the missions, estimated tbe entire population of Upper California, which included, besides the present State of California, the territory of Utah and (in part) that of New Mcxico, at 16,562 , of wbom 15,562 were 'converted Indians. Tbe official return of persons resident in the missions of Upper California in 1828 was 23,105 , of whom 18,763 were converted Indians. After the suppression of the missions the Indians became more scattered, and no official statement of the population wrs made. Tho first fedoral census after the cession of California to the United States was in 1850, when the State of California had a total population of 117,538 . In 1552 a census was taken by tbe State autborities, when the agents' returns gave the population as 264,435 ; but tbe Secretary of State in his official Report states tbat all tbo census agents declare tbeir inability to obtain the numbers of "the whole population of tbeir respective counties," and be thinks it necessary, in order to render an approximately correct statement, to add one-sixth to tho number returned. He therefore gives $30 \mathrm{~S}, 507$ as tho population in 1852: of wbom 210,858 were whites, little more tban 30,000 being females, and 105,344 being citizens over 21 years of age; 2090 were negroes, of whom the females were under $300 ; 572$ mulattoes; 33,539 domesticated Indisns; and 59,991 foreign residents, of wbom about 25,000 were Chinese. California sent in 1853 two members to tho Congress of tbe United States, and like eacb of tho other states two members to the Senate.

Coast-line, Surface, Hydrography. - The State of California owes its characteristic features to two great ranges of mountains, the Sicrra Nevada and tho Coast Range, whicb traverse it from north-west to soutb-east, having between tbem tbo splendid valley of the Sacmmento and the Joaquin; on the eastern side wide sandy plains, and on the western the narrow slip of coast. The coast of California is generally rugged and precipitous. Beginning at its southern extremity, it makes a bold sernicircular sweep to the north-west as far as Point Concepcion. Off this part of the coast tbere are several small islands and rocks, and the coast-line is indented by soveral bays and barbours. The only valuable one of tbese is San Diego Bay ( $32^{\circ}$ 41' N. lat.), which bas an excellent natural breakwater at its mouth, formed by a uarrow strip of shingle beach projecting into the sca, The bay itself is wide and spacious, and forms an excellent though at present little-used harbour. The barbours of San Pedro and Santa Barbara are also available for craft of conaiderable burden. From Concepcion Point the coast bears north-nortb-west to Point Pinos, the soutbern extremity of Montercy Bay, one of the safest and most capacious barbours on this coast; it is said to be capable of containing at one time tbe navies of the world. From Monterey Bay tbe coast continues as before for about 70 miles, in a direct lino, to tbe almost unrivalled bay of San Francisco. The entrance, which is nearly in the centre of San Francisco Bay, is only about a mile wide, but the bay itsclf opens out for more than 30 miles botb on the right and left; its entire leagth is 70 miles, witb an average breadth of 8 miles, and it liss a coast of 275 miles. By projecting points of land several mall inner bays are formed, the principal bcing San Pablo and Suisun baya. It is land-locked on evcry side and quite safe within, but a bar at the mouth renclery the entrance sometimes dangerous. Tbis barbour is tbe natural outlet of the valleys of Sacrarnento and Joaquin, with tbeir wondrous mineral riches and vast agricultural capabilitics. Beyond San Francisco Bay is Port Bodega, where was formerly a Russian station. From thence tbe coost continues in tbe same northwent direction, but leas broken tban before, to Point Delgado, bejond
which is the bold headland of Cape Mendocino, $40^{\circ} 2 z^{\prime} \mathrm{N}$. lat., which forms the southern point of tbe Bay of Trinidad, in which tbe coast of California terminates.
Tlie mountain masses which constitute the peninsula of Lower California extend undivided into the State of California as far north as the snow-capped peak of San Bernardino, $34^{\circ}$ N. lat., where they divide into the two great ranges already meutioued. These ranges botle run in a north-western and generally parallel direction. The eastern range, called the Sierra Nevada, or Snowy Range, is by far tbe loftiest, many of its peaks being above the line of perpetual snow. tbe Saddle Peak is 7200 feet high, the Table Mountain 8000 feet, the Butte 9000 , Mount St. Joseph above 10,000 , and Mount Shasté at the northern extremity of the range ( $41^{\circ} 34^{\prime}$ N. lat.) 14,390 feet above the sea. This range is traversed by few and those very elevated passes. North of $39^{\circ} \mathrm{N}$. lat. its slopes, especially ou tlic western side, have vast forests of pine, and lower down of oak. The distance of the Sierra Nevada from tbe coast averages about 200 miles. The Coast Pange runs at a short distance only froun the coast, to wbich it is generally nearly parallel. Its usual heioht varies from 2000 to 3000 feet: its highest peak, Monte Diavolo, at the liead of San Francisco Bay, is 3770 feet above the sca. Tbis range is brokeu near Monte Diavolo by the united Sacramento and Joaquin rivers; decreases in altitude towards the nortb; and finally re-unites with tbe Sierra Nevada near Mount Shasté. From this point northward the surface of the country is wholly mountainous aud little known; the Sierra Nevada with its offsets and connected ranges occupying the entirs breadth of northern California, and extending northward till it is lost in the Cascade Range of Oregon. Between the highest mouutaius of the Sierra, Nevada and the great valley is a line of lower mountains; and from both the Sierra Nevada and the Coast Range lesser lateral ranges and offsets diverge throughout California, forming uumerous narrow valleys and ravines.

Tbe basin included betwecn the two main ranges, though really one geographical formation, bears the names of tho Sacramento and Joaquin valleys, from tbe rivers wbich rise respectively at its northern and soutbern extremities, unite near the centre of the valley, and flow into San Francisco Bay. Tbis fine valley is upwards of 500 miles long and 50 miles wido. It bas evidently at some remote period been the bed of a vast lake of which the Sierra Nevada and Coast Range formed tbe margin. The water of this great lake has been drained by some convulsion of nature having broken a passage througb the Coast Range at San Francisco Bay. At the southern extremity of tbe valley are the Tulare (Bulrush) Lakes, which during the wet season cxtend above 100 miles in length, but in the dry season bave little water, and are fordable in many places. Within the last year or two a commencement has beeu made towards embanking these lakes and draiuing the rich tract of country hitherto subject to the annual floods. The soil and climate of this great valley vary considerably, but a large part of it is very fertile, including most of the eastern side, which is intersected by uumerous streams, along which tbe land is extromely rich and productive. Tbe surface of the valley is greatly diversificd, being broken into rugged bills at its northern end, and in many places along its eastern sido by well-wooded spurs from tbe Sicrra Novada. Towards its southern cud by the Tulare Lakes, and along tho banks of the two great rivers, it is low and level, rising gently at some distance from the rivers into undulating slopes, which break into low hills as they approach the bases of the mountains. The ricbest and most picturesque part of this fiue vallsy is that central portion of it whicb incloses San Francisco Bay and the delta of tbe Sacrancuto.

Tbe const district west of the Coast Range-almost tbe only part of California inhabited previous to the American occupation, but now by uo means the most populous part of the country-is full of narrow fertile valleys, the seats in former days of the miasion stations, around wbich the industry of their occupants had caused most of tbe cereals and fruits of temperate climes to flourish abundantly. Along a good part of tbe coast the mouutains come close down to tbe sea; but along a still larger portion there exteuds a tract of low sand-hills, which in some places reach many miles inland. The country east of tbe Sierra Nevada, and west of the Rio Colorado, comprising the remaining portion of Cslifornia, is mostly level, aud a good part of it is sandy aud barıen. It is however but little known, owing mainly to the superior attractiveuess of the mountains and great valleys, and partly to its being occupied by hostile tribes of Indians. It is believed tbat while much of it is of comparatively small account, there are very exteuaive tracts of valuable and bitherto unappropriated land. The country along the Colorado is supposed to have a rich alluvial soil; but near jts entrance into tbe Californiau Gulf the country about it is dry and barren, and the climate extremely bot.
The two most important rivers of Californis are the Sacramento and the San Joaquin : the value of tbe Colorado remains to be fully ascertained. The Sacramento rises at the nortbern extremity of the valley of the sarne name; its head-streams issuing chiefy from Mount Shasto or some of its spurs. Its course throughout is generally soutb, and it receives on its left bank a great number of affuents from the Sierra Nevada, Most of these are mere mountain torrents but several of them, as the Feather, the American, Cosumes, and the San Juan rivers are of somo importance. Near Monte Diavolo the

Siecmmeabo noccives the San Jompuiu, and the uniled river tarna abrupely to the wetb and nown after expandias to a connileralile wideh opene Into Sin Franciaco Buy. The eatiro length of the Siwramensa is about 300 milew; its width for anny miles above its junction with tho Juaquin varien from 900 to 300 yande, and it is navigablo at all masoms up to sinernmento city, 130 milen from ita anouth. The sicramento is suljeet to grent thoodn during the wet seaver, and on the ruelting of the anow on the Sierm Nevain The ita Jouguin immen from the Tulare Lakes at the sonthern end of the great ralloy. It coumo is north and north-went, and like the Sacrnmeuto It recelves numeroun trihntarie froun the Sierm Nevaila During the wet enson tho San Joaquin is grently augmented, and api ta fool much of the lowhurd on ith borders. It is unviguhln for vosels drawing 8 feet of water up to Stockton, 3 suiles above its junction with the Sacramento, and for vessels under 15 tons up to the Tuolumne liver. The San Joaquin abounds in fine finh, and the eaking and curiag of mimon afford emploginent to namy perauus. Tho banks of tho river and ite tributaries are generally extremely fortilo, and asriculture is pursuad with much diligenee. Tho country watered hy the San Jowpin and its afluents is becomiug rapldy' mottleal. The Colorade, the lower part of which drains the sonth-enstern portion of Califorais, and which falls into the Gulf of California, belongs rather to Nizw Miexico, under which it will ho noticod. Except during tho wet seanon this river, though draining a vast exteut of consutry, is said to haro a depth of only 6 feet of water for some distance above its moutls: that part of California which lies in its hanin is almost unknown. Along the coest are numerous rivers which rise in the Const Range and after a short course Pall into the Pacific. Among these are the San Buenaventura, San lelipa, Sau Podro, and the Sunith; many of them aro of considerable value for irrigation, and may at some future periol be rendered arailable for mechanical purposes, but none are navigahle.

Sumerous roads hnve been formed iu the ratate since its cession by Mexico in wldition to those proviously existing, and many liridges have been built and ferries estahlished acrosn the pritcipal rivers; but the communications of the state are of course yet very incomplete. Of the railwaym planned the most important is the Great Pacific and Atlantic line; but besides it the Benicin and Marysrille aud the Oro City and Lear liver railways aro spoken of as determined on; neither has however been constructed.

Geology, Mineralogy, de.-The Sierra Nievada, with its conuected range, ha for its subitratum schistome or talcoso slate; quartziferous rocks and the prevaleut strata coveriug tho slate. In many places $\pi$ fine whito quartziferous grasite occurs. In the Coast Range quartz sho abounds Saudstone is found throughout tho lower ranges of hilla. Dituminous conl in worked In the neighbourhood of San Francinco Bay; it lass ako been found about San Diego Bay, and is belioved to oceur iu various other localities.
Sir Francis Drake, who vinited Californis, which he named New Alhion, in $15 \%$, roceived such reports of the existence of gold from the nutives that he declared it to be his conviction that there was "po part of this country wherein there is not some special likelihood of gold." Yet thought his statement was often repented in the suhsequent collections of travels, and occasionally in geographical works, no search seems to have been made for the precious metal. The remarkahle discovery of the auriferous wealth of California was at last made by mero accident in December 1847, by a Mr. Marahall, who was engaged in erecting some saw-mills on the estate of Captain Suter, a wealthy Americau settler on the Sacramento River. The effect of the publication of this discovery was most extraordinary. The rush of adrenturers to the 'diggings' and of immigrants inta the country was quite without parallel in the history of tho world. Californir was at this time occupied by American citizens, and its formal cession soon after to the United States happily placed it iu the possemion of a peoplo as diatinguished for capacity of self-government as for energy, instead, as it hal hitherto been, of a singularly indolent nud incapable race; thereby affording as it were opportunity for the full development of its marrellons capahilitios, and at the same time prorlding againut the frightful anarehy which might else have ensued. Anlt wne, towns and cities as thoy were termed, though tho houses wore commonly only of wood or cauvasa, sprang up with a rapidity hitherto unknown; the magnificent San Francisco Bay wa for tho first time alive with vaut fieots of merchant vessels, crowled with anxlous edventuren from almont every part of the world. All orlinary labour wan noglocted in tho rago for gold moeking, which mazod indiccriminately on all claseen, and the value of food and lnbour roes so almant fabuloun pricen. The quantits of gold dincovered continued for awhile to lnerease eren beyond the proportion of 1 cw mearchern for il. 1 ly the end of the year 1851 it was eatimated that gold to the ameunt of noarly 150 millions of dollars bad boen fuutd. No correct entimate is pomible, an no oftreial account lim been thkers of the gold oltainod, but from what nppoar to bo unexngerated estrmates the quantity foumd in 1819 was ralnol at 10 millions of dollinn, and it in believed that the averago yearly find han ince Increserl to between 80 and 60 millions of doliam The quevtity of gold-dual and coin manifested and shippod on bowril mhamern and sailing reavls from Sian francinco during 1852 was $16,256,574$ dullars; bust thin slow not alow the .entire angome exported, an
lerge quatition are inkon abrond iu ships without bolug entered on the smaifesta if 10 millious be adsel for this tho total quantity shlpued in 1852 frou Sun Fraucisco would bo about 56 millions of dollam The quantity received at tho mint of the United Staten and it brninches uy to Soptember 30, 1852, was 136,717,985 dollam. Siuce that dato au Aet of Congress hns boen paseel for eutnblishing a miat in Califoruin. What In knowu na the Goliliegion of California extends for mome 500 milen $\ln$ length, with $n$ lurvadth of from 40 to 50 milew, following the range of the Sierra Sevada. It occupies the lower mountaius of that rango lying between the coutral motutains and the valley of the Sacranouto aud the San Jonquin. Theme mountains arerage from 4000 to 5000 feet in loight, and the gold is generally found cither in the gulloys and mvinea, or in the anady beds of the monntain struans on their way towarls the two great rivery. The geological formation of thia region is vary nimilar to that of the gold mountaius of Australia and tho Ural Mountains of Rusia. [Austmalia.] Wherever tho gold lins beon found in ritu it lona been in connection with quart\%; aud the water-wom gold fomud in the debris of the rocks and the mands of the rivers in like manner show, hy lts frequently being attachod to sinall particles of quart\%, that it Wha derived from a quartzose bod. The main gold regiou as we lave mid is the lower mountains on the weatern side of the Sierin Nuvala, but gold has been nlso fouud in the loftier ceutral heights of the Sierra Nevada, aud ou its eastern side. Gold is likewise reporterl to have been found iu tho Coast lange, capecially in the narrow vallejs on its western side, and also in the connected ranges. Incleed Drake's words seem now siugularly applicahle; for there appears to be hardly any "part of this country where those is uot gyrecial likelihood of gold.'

Nor is gold the only importaut metal which abounds, though it is the ouly onc to which mneh attention is at present given. A mino of quicksilver loas long been worked in the neighbourliood of San Jose, in which the cinuabar from which it is produced lies near the surface and is ensily procured. l3ut the metal is beliered also to be widely spread and in valuable reins in other parts of the state. Silver oro of great richness has been found at Monterey and elsewhere Copper, iron, aud other of the mone important metals are also believed to ahound. Coal is profitably worked at San Franciseo, and is supposed to cxist in extensive beds in other parts.

Bofany and Zoology. - The botany of California is of a peculiar and iuteresting character. It contains among other strikiug plants some nohlo pines, especially oue called from its discorerer, the Douglas pine (Pinus Douglasii), which oceurs on the mountains ahout Sin! Prancisco Bry, and grows frequeutly to the leight of 250 fect, with a circumferonce at tho baso of the trunk of 60 fcet. The cones are eaten hy the Indiaus. The $P$. Sabiniana, $P$. Lambertiana, and $P$. nobilis are of less magnificent but still very large dimensions, and grent beauty. The live onk (Quescus rivens) grows to a considerable size on the lower hills of the weat side of the Sierra Nevada, and on it Fremont found unusually large quantities of mistletoe. The white oak is common in the valloys. The maple, ash, heech, and chestnut are the other inove usunl denizens of the Californisu forests, which however do not generally extend south of $39^{\circ} \mathrm{N}$. lat. Two or three kiuds of Arbutus ahouud on the banks of the rivers and the margins of the forests. The Scilla esculenta grows everywhere along the consts; its root is the quamnsh of the Indinas, with whom it is a common article of food. The fibres of the Jelonias tenax are inade by the natives into a rery tough cond for suaring deer, \&e. ; and the amole and samate are used hy them for soap. Large numbers of Polemoniacce, capceinlly some benutiful specimons of the Leytosiphon and Gilia; some curious planta belonging to the genera Nemophila and Emmenconthe ; soveral uew genera of poppies, Escheholtaia, lupines, Calochortus, Cyclobolhra, Calliprorc, Bronlica, \&c., stamp the vege lation with a claractor quito uulike that of asy other part of America.

The black bear, the grizly bear, aud the burronground hear; racoon, American balger, glutton, ermine, weasel, mink, murtiu, aud skunk are commou in many parts; as are also the benver and the musk int about the mouth of the Sacrauneuto: all of these are much sought after for their mkins. Seseral kiuds of wolvos, foxes, and lyaxes abound in the denser forests of the north, where they proy on the nuunoroun deor and other animala which frequent those regiona. Of the dner the monse, the black-tailed, aud the long-tailed or jumping-teer, the elk, and the prong-limmed antclope (A. furcifer) are tho most plentiful. Monntain sheep abound. Tho blson is only occasiounlly mot with.

Among birds the first place is clue to the great Californian pulture (Sircoromphus Californinaus), which in inferior ouly to the Soutls American coudor ln sizo, nuid very similar to it in ils habits. Tho black vulture, the turkey buzzard, the golden eagle, the bald eagle, the peregrimo falcon, the jer falcon, tho onprey, atul several othey hawks and couvecterl mpecien as well th owlm nre more or less comunon. Mont of the omlinary liuropens slaging birdn, wwallows, woodpeckers, fic., or blrds to which ninilar names lave boen given, almo aboun! The hummiug. birn is enmmon in the sonth. Cronse are said to bo nore numeroun, and of monvivarioun kinds than linve been found in nuy other country. The buys and inlets of the const swarm with mwask, geesn, Juck, curlewn, and most of the other orlinary waling
and swimmiug birds. Larabe numbers of white pelicans frequent the coast, and albatrosses aro sometimes shot, measuring 10 or 12 feet across the wings.

The corsts and rivers of California alike yield an astonishing number and variety of fish. In some of the rivers as many as 3000 salmon, many of them weighing from 20 to 30 lhs., are often taken in a single day. Salmon-trout and trout also largely abound. Sturgeons are somctimes taken in the mouths of the rivers measuring 8 or 10 feet long and weighing nearly 500 lbs . Mackerel, pilchards, aud sardines swarm off the coast. The halibut, skate, turbot, bonito, \&c. are caught. Oysters of excellent flavour and most other shell-fish are found. But though fish is so ahundant, the fisheries are at present little heeded.

Climate, Soil, Ayriculture, dec.-California lins a dry and a wet seasou; the dry season lasting from about the mildle of May to September or October, the wet season setting in early in November and lasting till May. But there are considerablo variations, both in the temperature and in the amount of moisture in different parts of this cxtensive tract of country. Iu its northern part, north of $39^{\circ}$ N. lat., for example, the nir during the dry season is much less parched, and rains occur earlier than in the southern districts. Along the coast the climate is much more temperate than in the great valley; while east of the Sierra Nevada the air is excessively hot and parching. Iu summer the coast is visited by heary fogs, and a cold wind scts in regularly towards noon from the Pacific, and coutinues to blow with increasing force and keenncss till late at night. Some few miles inland the cold is modified, and the temperature becomes equable and agreeable. Throughout the great valley of the Sacramento and San Joaquin, the mid-day heat is so great as to renler labonr in the open air evcrywhere unpleasant, and in many plasea impracticable.

The moil alons the great valloy is generally extromcly rich. This Falley has evidently been at soine remote period the bed of a vast lake, aan the rich alluvial soil only neods judicions irrigation to render it capable of producing almost every variety of crop. The bauks of tho rivers however require proper embankments to prevent the present often destructive floods, and to permit the full development of its agricultural capabilities. Tohacco, rice, maize, and most of tho plants except cotton which grow in the warmer parts of the United States, flourish in the sheltered lateral valleya connected with this principal valley, while in the maiu valley itself most of the cereals produce extraordinary crops, anrl grapes, peachea, and nenrly all other fruits of a noderately warm climate thrive admirahly. The grasses are luxuriant and nutritious, affording excellent pasturage for cattle. North of $39^{\circ} \mathrm{N}$. lat, are extensivo forests of pine and oak. The ralleys along the coast produce all the cereals, and all or vearly all of the fruits aud regetablea of the temperate and collecr parts of Enrope. Onions are grown in large quantitics; tho produce from nine counties in 1852 was returned at $5,553,6 \dot{5} 5 \mathrm{lhs}$. Tomatoes are extensively cultivated in parts of the great valley; $1,039,800 \mathrm{lbs}$ were raised in 1852 in Sacramento county alone, and in the mame county 385 acres were planted with melons. In the county of Santa. Barbara, ou the southern part of the const, 1370 barrels of olives were gathered; and in this and the adjoining county of Los Angeles 73,462 gallons of wine, aud 73,056 gallons of brandy werc made. Agriculture lias however hitherto been comparatively neglected, hut as more attention is being paid to it tho various capabilities of the soil are becoming more apparent, and there can be little doubt that California is dostined to take ligh rank as an agricultural conntry.

It is nsual in taking tho census of the varions states of North America to ascertain the quantity and valuo of the various productions. In the state census of California for 1852 these returns are very incomplete, but they were aufficient to enable the Secretary of State to "take a comparative viow of the position of California in reference to other states of the Union," which is at once so curious and intereating that it may be worth while to quote a few of the items. In barley California surpasses every other state in the Union except New York, and already raises half as much as is produced in tho whole Union besides: in oats it cultivates more than thrce fourthas its sinter-ntates; in wheat it surprsses ten of tho states; of maize it produces less than any other; in potatoes it stands uext to New York, and grows one-fifth of the quantity produced hy the rest of the Union; in heans it surpasses nine of the states; in hay, though only half of the countics made returns, it surpasses nine states; and in fruits it excecds all the states in variety, and one-half in quantity. In the number of horses it cxceeds 15 of the states; of mules 26 ; of milch-cows 12: of work-oxen 8 ; of sheep 4, and of swino (though the returns of both these are very imperfect) 3. In live-stock it surparses 22 of tho atates. In trado and merchaudiso it abready cxceeds half of the statos. The number of horses returnced in the state in 1852 was 64,773 , mulcs 16,574 , cows 104,339 , oxen 344,457 , sheep 82,867 , hogs 38,976 , poultry 96,230 -of the last three the returns are from only 20 countios.

Tho vast and rapidly increasing extent of the commerce of the Stato of California, is partly shown by tho statement of the number and tonnage of the vessels which entered and cleared at San Francisen in 1852 :-

Lintered-Sailiug ressels
Steamers
Total

876

| of | 320,13s |
| :---: | :---: |
| , | 118,876 |
|  | 445,014 | 445,014

Of these, 40 vessels of 18,256 tons burden were British, aud 594 vessels of 317,262 tons burdeu were American.


Of these, 1121 vessels of 361,166 tous hurden were American. Iu 1849 the tonnage of the vessels entered at Sau Francisco amounted to 313,351 tons, of which $247,41 \%$ tous belonged to the United States. The number of passengers arriving at San Francisco in 1849 was 41,709. In the year ending December 28,1852 , there arrived 64,190 , of whom 5223 were females; and there departed 22,946 , of whom 390 were females.

Of the manufactures we have no very exact account. At present, owing in a great measure to the high price of labour and the superior demands of other branches of iudustry, the articles manufactured are chiefly such as canuot be profitably imported. Bricks for example are uow made in immense quantities to miect the enormous demand for uew buildings: the connty of Marin alone reported to the census agents the manufacture of $1,500,000$ bricks a montli during 1852, of the value in the year of 360,000 dollars; the total population of Marin county during the samo year was only 1036.

Divisions, Tonons, dec. The state is divided into 35 counties. Tho original capital of the state was San José, the present nominal capital is Vallejo, but the Legislature of 1853 sat at Benicia. The chief town is San Francisco ou the bay of the samo name, which had a population iu 1852 of 34,786 ; and uext in importance to it is Sacraserto CrTY, the capital of the 'digginga,' which had 10,000 inhabitants iu 1852 ; these will be noticed under thcir respective titles. Numerous other towns and 'cities' have sprung up in various parts of the state, but most of them are huilt only of wood, or eren caurass, and many of them disappear almost as rapidly as they aroso. The following aro among the more important and may requiro a brief uotice:-
Stockion, on the Stocktou Slough or Canal, formed by the junction of the Sacramento and Joaquin rivers, 100 miles F. from San Fraucisco by water, was founded in 1848: population about 3000 . It is the port of the sonthern mining district and of the valley of San Joaquin, and is likely to remain one of the first towns iu the state. Vcascla drawiug 9 feet of water can discharge their cargoes alongside the shore. Coustant steam communication is maintained with Sau Francisco. At prescnt thero is no puhlic huilding of any cousequence, but a stato hospital is crecting. San Jose, population 1200, the original capital of the state, is pleasantly situated near the south extremity of San Francisco Bay ahout 50 miles S. from San Fraucisco city. It has some trarle, but is chicfly agricnltural. Near this town is the principal quicksilver mine. Vallejo, the preseut capital of the state, is situated on the Napa Strait, 25 miles N.N.E. from San Francisco. It is merely an agricultumal village and the site marked out as the future 'capitol' rs yct bears only its sounding titlo. The legislature of 1853 adjourned its sittings to au equally unimportaut village, Benicia, on the west sido of Suisun Bay, about 5 miles E. from Vallejo. Monterey, population about 1600 , on the south side of Mouterey Bay, was one of the largest and most frequented towns of Upper. California prior to its cession by Mexico, and will eventually become again an important commercial place when the fine bay on which it stands is resorted to, as uo doubt it will be, by shipping. At present being away from tho mining districts it is comparatively descrted. San Diego is snother old town which has fallen into neglect, hut will doubtless again grow into importance. It stauds on the safe aud spacious bay of the same name near the southern extremity of sine coast. Coal lus heen found near it. Marysville, on the Yuha, 98 miles N.N.E. from Vallejo, is a busy new town with a court-house, sereral hotels, mills, and stores, two newspapers each having "tri-wcekly and wcekly issues," and nearly 8000 inhabitants. Oro City on the Fenther River, the capital of the Placer inining district, has 3000 inhahitants. Placerville, 112 miles N.E. from San Francisco, was one of the oldest and most flourishing of the gold district towns, hut the 'diggers' have deserted its neighbourhood, its newspapers have ceased to be published, and the place itself is worn out and fallen into decay: in 1852 its population had decreased from 4000 to 2000 . Among the other towns which either have been, are, or are expected to be flourishing and important places, it must suffice to name Auhurn, Downieville, Los Angcles, Mariposa, Napa, Nevada, Santa Barbara, Santa Criaz, San Luis Ohispo, Shasté, Sonoma, Suisun, Tuolumne, Vernon, and Yuba: in all of these the population is constantly shifting, and a statement perfectly correct to-day would he wholly inaccurate in a month or two.

Government, Julicature, de.-The constitution of California resembles in its general features the constitutions of the other states of the Union. Slavery is not permitted. The legislative power is vested in a General Assembly, consisting of a Scnate of 16 memhers, clectod for two years, and a House of Representatives of 36 mombers, elected for onc year; tho sittings of the General Assemhly are held annually. The governor is elected for two years; his salary is 10,000 dollars jer annum. The
ennemal expeoditeno io about $\$ 00,000$ dollase The publio dobt was 495,4100 dullarn in 15ss.
The judieial power in vested in a mupreme conrt and dintrict and counity courta The nupreme court convinte of a chlef justice nud two muciate juotices, each of whom has a malary of 8000 dollary a yeur. The jnetice are elected hy the peoplo for nix yenrs, and aro eo clemifiol that one goen out of office every two yeani. The senior judgo is ofloo in the chiof juntice. The first judges of the dintrict courta were choven by the logislature, but all fnture judges are to be elocterl by the people: there are eleren district jodgos, each having a mlary of ison dollnra A connty-court judge is elected in ench county for four yeurs.
The coustitution dincels that a superintendent of publio iustruction shall be elected, to holl oflice for thirec yearn ; and that the leginla. ture shall establiah publio schools, in which instruction shall be given during at loust three months in tho jear: it alco provides fuuds for their mupport. A superintendent of publio instruction has accordingly been clected ; but for schools have as yet been ewtablished.

History.-Califoruin whs discovered by Cabrillo in 1542. It was noxt risitod in 1578 by Sir Fruncis Drake, who named it Now Albion. If was firat colouteed in 1709 by the Spaniards, who established in various placos, chicfly weat of the Coast linuge, military posts (preaidion) and religions gtations (missiunen). There wure four of these military stations and twentjoone missions; aud while Culifornia remained snbject to Spain tho actmal direction of the country was iu the hadde of the prients, the governor having nearcely any civil authority. The priests collected the native ludiaus in villages, and taught thein to cultivute the soil, but gave them little other instruction either roligious or socular. Accorling to the latest acconnt published by tho priests there were above 18,000 of these nominally 'converted Indinas,' who spoke twenty different languages. On the eparation of Sexiou from Spaiu the missiona were broken up, and the indians retmrnel pretty generally to their nativestate. After the declaration of Mexican findependence a good many Americans and other forvimens risited Califorain for the parpose of hunting or traffio, and noveral Amerionns wettled in the neighbonrhood of San Francisco lay. The goveraors appointed by Mexico were unnble to maintain traugullity in the province, and tho discontent incroased till, in 1S36, it leuad in a exceenful revolt, mainly excited it is said by the foreign residenta. The government was overthrown without bloodshed, and the governor and other offeinls wero put on boand a mehooner and hhipped of to Mexico. The Moxicm government agreed to permit the Californians to choose thoir own governons, and the country conthaued nominally subject to Mexico. It remained however in a state of anarchy, and for some time before its cession had becomo virtually under tho coutrol of American citizens. On the termination of the war between Mexico and the United States California was, as already mentioned, formally ceded to the United States by treaty in February 1848; and on its rajpid growth in wealth and population, conscquent on the gold discoveries, it wan a year or two later admitted into the Union as a sovercign state.
(Colton, Statiatical Gazetteer of the Uniled Sputes, 1953; American Almanac; Fremont, Wilken, and rarious Travels, Journeys, dec, in California; Yivisa to Ould Diggingo, dec.)

CALLAII, EL (Alcérie.]
CALLAN, county of Kilkenny, Ireland, in the parish and barony of the same name, a market and post-town and the seat of a Poor-Lnw Union; 82 miles S.W. by S. from Dublin, and 10 miles S.W. from Kilkenuy. It lies in $52^{\circ} 33^{\prime} \mathrm{N}$. lat., $70^{\circ} 23^{\prime}$ W. long. The population in 1851 was 2638, besides 2102 in the Union workhouse. Callan Poor-Law Union comprises 20 electoral divisions, with an arca of 104,011 acres, and a population in 1851 of 32,730 .
Callan is sitnated in $n$ fint and open district on the Owenree, or King' River, atributary of the Nore. It was formerly a walled town, and the remains of some of the ancicnt fortalices are still utanding. The four principal strects intersect ou the wouth side of the river. The principal objects on the north side, on which the maller portion of the town is situsted, aro the barracks and the ruins of an Auguntinian friary, including a tower 00 feet high. Theme ruins aro connected by a woolen bridge with a eonvent and chapel of the anme onder ou the opposite side of the river. In the chapel are some good sculptures and a well-painted altar-piece. The parish church, formerly an abbey of the A ugustivian order, is a large and intereating luilding. The paroching Roman Catholic clapel is situnted on elovatal ground opponito the conrt-louse and jail at tho monthera extrenity of the town. Quarter sessions are held at Callan in rotetion. liy the oncouragement of the gaardians of the proprictor, a minor, the Eiarl of Clifleu, the town han recently been macls ins. frored. Callou was formerly a mauleipal and parliamentary borongh, but was dinfranchimed in both rerpect hy the Act of Union and the Iriah Mnnlcijul Huform Act. The care of the strvets is now verted in town commindionere under the Act of the Dth Seo. IV. c. 82

CALLANDERR [PERTHRMAR]
CAl.i.A'O, on the cont of Peru, in South Amarica, fs sluated in $12^{\circ} 4^{\prime} \mathrm{S}$. Int. $\mathrm{TH}^{\circ} 10^{\prime} \mathrm{W}$. long., distat about 0 milo W. from Lims the eapital, of which it in the see-port. The two placen aro unlted by a good level roed akirted on each side by treen; along thil road there in regular comenurication by omalbuses. The population of Calleo fo
entlmated at 20,000 . The liny is formod ly the inden of San Lorenzo and F゙runton, and a low sundr proint projecting from tho main, leetween which huwerer theno is a mafo pamago hatf a suile wide, called the Rognerva. Vinselo ano well aholenal from all winds, excelit between the north asd weat, whicls weldous hlow with violence. Callno is the arfat and most convenieat jort along the coant to Conceproion iu Chili. The sea is always tranyuil, and there in anchorago every where in the bay frum 7 to 10 fathom withont any dunger. A shoal cxterads ahout 400 yards from the beach, except inmediately opposite the town, whero a mole has boen forased by sinking old halk, within which reasela of largo burden may lis and diaclarge their cargoca. During the war of independeucu they were eucured by a bootn acmina, and it wan from this situation that Lord Cochrano in 1820 ao gallantly ent out tho Eanzoralda Spaniali frigate. Tho heavy nurf ou tho beach renders it generally inpracticable to land to the conthward of the mole. Supplics of all sortu may bo lad in abundamec-anent, live stock, regotables, and fruit, cocoa, sugar, and spirits; hut gool water and wood aro very scarce.
The commeree of Lisun enuses an influx of vensels from Fiurope, chiefly from Great Britain, into Callao Ihay, bewides which there is a large traffo with tho other atates of wentern Aurorica. Bullion, specie, copper, cotton, hark, uomp, vicuấs wool, aud hides aro exported. The exporta for tho year 1840 amounted to nearly a million of pounds sterling: the customs duties ou liritisls goods, chiefly cottons and linens, amounted to about a quarter of a million. Tho total value of imports into Callno in 1840 was estimated at $1,171,642$. The vessels entering the port in 1811 were 498 , of 101,054 tons; the departures were 494 , of 99,944 tons.

The town was origimally built in tho reign of l'hilij, IV., and atoo:d farther ont on the polut than its preaent site. In 1746 it was entirely destroyed by an earthquake, whlch demolished three fonrths of Lima itsclf ; of the inhahitants about 1000 perished, and uineteon reasels were loat, somo of which were throwa to a considerable distance inland. Vestiges of the old town are still on the puint, huriod in the sand. Calla has been rebuilt on the same plan as before, hut farther removed from the sen, and on a mnch firmer soil. The honses are Glat-roofed and slightly constructed of cano wicker-work, plastered with mad, on account of the frequency of carthquakes, which tuke less effect on such frail cdifices. The rane ocenrrence of rain in Pern, and its gcnerally mild climate, render suhstautial dwellings unnecussary. Very heavy dewa at night supply the want of fcrtilising showers.

Callao consista almost entirely of the forta, barracks, cnsturn-house, and other government buildings ; tho other houses, or rather huti, being chiefly pulperias (a low wine and chandler's shop) : but Bells. vista, a suburbar village, offers more convenience for residence. 'The fortifications of Callao consist of two round castlos connected by a curtain, and auother on the point atretching towards San Lorenzo, all commauding the bay, towands which they preseut a battery of above sixty pieces of caunon, chiety of large culibre. Tlic principal fort was called Sau Philip, but is uow named La Independencia; beneath its walls is the arsenal. The great streugth of the forts ennbled the Spaniards to hold out loug after Lima had falleu into the hands of the patriots, to whom however they ultimately surrendered in September 1821, supplies being cnt off both hy land and sea. Their fall may be snid to have determined tho independence of Pern.

The tides in Callao Buy are very uncertain and irregular, leing greatly influenced by the strength and direction of the wind.

CALLINGTON. [Cornwall.]
CALMAR, or KALMAR, Sweden, a fortified town, sea-port, and the seat of a biahopric, is situated about $50^{\circ} 40^{\prime} \mathrm{N}$. Jat., $16^{\circ} 20^{\prime} \mathrm{E}$. long., distant about 190 miles S.S. W. from Stockholm. The town stands on the island of Quarnholm in the straits or sound of Calmar, by which tho idand of Olnad is aeparated from tho Swedish continent it is includerl in that part of the ancient province of Sunaland, which now fornas the prolitical divinion of Calmar Lain. Tho popnlation of the town is sbont 5600. Calunr is united hy a bridge of boats to the suburb on the contineut This suburb, built ou the site of the ancient town which was burnt in 161\%, contains the ohl eastle in Which the union of Calmar was agreed to in 1897, by which Sweden, Dentnark, and Norway were united nader one sovereign. Thẹ cautle, which is till a strong building, is now uned as a house of correction. Caharr town is regularly built, bat the housen aro eliefly constructed of wook, though there are excellent ntonequarrion in the island of Oland, diulant about five milew acrows the sound. Tho cathedral, the castle, and a fow other princijnal public buildiogn are of stone. Tho cathodral, a handoumo edifice, stands in the middle of tho great square. It contains an altar-plece by lihrenstalil. Calmar has a good gmmmar achool and several other edncational inntitations. 7\%o libnery of the academy containu about 4000 volnmea. The harbour is gond, and the commerco of the cown is atill active, although it has declinel in amount of late yeara. The exporte conmist of iron, alum, pitch, tar, timber, do., and mono in large quantitiem from the Oland quartien. Ship-building in carriod on, The manufacture inclade woollen ot uffe, tobacoo, nunef, and potaub.

CAI.3ONT TOWN. [Sismra Lsosz]
CALNE, W゙iltahine, annicipal nud parliamentary borongh and
market-tomn and the seat of a Poor-Law Union, in the parish and hundred of Calne, is situated on the Bristol road, in $51^{\circ} 26^{\prime} \mathrm{N}$. lat., $1^{\circ} 59^{\prime} \mathrm{W}$. long., distant 31 miles N.N. W. from Salisbury, and 87 miles W. from London. The population of the municipal borough in 1851 was 2544 ; that of the parliamentary borough was 5195. The borough is governed by 4 naldermen and 12 conncillors, one of whom is mayor ; and returns one member to the Imperial Parliament. For sanitary purposes the borough is under the care of a Local Board of Health. The living is a vicarage in the archdeaconry of Wilts and diocese of Salisbury. Calne Poor-Law Union contains eleven parishes and townships, with an area of 27,689 acres, and a population in 1851 of 9173 .

This place is of remote antiquity ; many Roman remains hare been found in the neighbourhood. The West Saxon kings had a palace at Calne, and an hospital of black canons existed here. In 977 a synod was held here for adjusting the differences between the monks and the secular clergy, at which the celcbrated Dunstan presided: the floor of the room gave way, and the whole assembly, with the exception of Dunstan himself, fell with it. Calne is described in Domesday Book as 'Terra Regis,' and is called 'Cauna.' The town is built in one of the numerous ralleys hollowed out of the great chalk escarpment. The high ground east and south of the town forms the tableland of Marlborough Dowas and Salisbury Plain. The Calne brook rises about three iniles to the north-west of tho town in a hollow nenr Compton Basset, and is joined by two other streams near the town. The brook divides the town. Calne is paved and is lighted with gas, The houses are fronted with stone, and the town has a cheerful appearance.

The church is a lofty and handsomo edifice of great leugth; the nare is narrow; exhibiting rarious styles of architecture, the round Norman arch and billet inoulding being found along with the pointed gothic. The tower, which stands at the north side of the church, and contains a peal of eight decp-toned bells, is remarkable for tho beauty of its proportions: it was built by Inigo Jones after 1628 , in which year the tower and spire stauding on the transept of the church fell.
A new ehurch called Christ church was built about twelve years back on Derry Hill at the extremity of the parish, to which was annexed a district containing 1511 inhabitants in 1851. There are ehapels belonging to Wesleyan Methodists and Baptists, The Grammar school, founded in 1660 by John Bentley, Esq., has attached to it two exhibitions at Qneen's College, Oxfords given by Sir Francis Bridgeman in 1730; but these have not been claimed for many years. There are National and Infant schools, and a school for training female servants.

The townhall was repaired a few years ago at the expense of the Marquis of Lausdowna. In this huilding the pnblic business of the town is conducted. A county court is held in the town. Calue formerly possessed a share of the Wiltshire clothing trade; but the cloth-mills have been closed or couverted into corn-mills. A branch of the Wilts and Berks Canal comes up to the town. The market is held on Wedneaday. Fairs are held on May 6th and September 29th. The air is salubrious, and the views of the adjacent country are very fine. At Cherhill, about three miles onst of the town, is the figure of a white horse 157 feet in leugth, remarkable for the symmetry of its proportions, cut in the chalk down about the year 1780 nader the direction of C. Allsup, Esq., surgeon. Bowood, the delightful residence of tho Marquis of Lansdowne, is about a mile west of the town.

CALOTSA (also Kolotzn and Koloscr), county of Pesth, Western Ifungary, an archiepiscopal town, is situated in a marshy flat on the Vaynu, au insignificant arm of the Danube, in $46^{\circ} 32^{\prime} \mathrm{N}$. lat., $19^{\circ} 3^{\prime}$ 1\% long., about 74 miles S. from Pesth. Calotsa was known to the Romans, and was of much greater importance before the Turks overran the country. It has several handsome public buildings, the most spacious of which is the arehbishop's residence, with its extensive library ; a chapter-house and oathedral, an ecclesiastical seminary on a large scale; a college and gymnasium of the Piarist order, dic. There are fine gardens attachel to the archbishop's sent: an artificial hill in them is laid ont as a vineyard. The town once possennel a celebrated printing establishment. The inhabitants, about 6000 in number, carry on extensive fisheries on the Damube, and roar much cattle. The stenm packets which ply on the Dauube call at Calotsa.

## CALPENTYN. [CEYLON.]

CALTURA. [CEylon.]
CALVADOS, a department in the north of France, formed out of portions of the former province of Normandie, lies between $48^{\circ} 46^{\prime}$ and $49^{\circ} 25^{\prime} \mathrm{N}$. lat., $0^{\circ} 26^{\prime} \mathrm{E}$. and $1^{\circ} 10^{\prime} \mathrm{W}$. lung.; and is bounded N. by the English Channel (called by the French La Manehe), E. by tho department of Eure, S. by that of Orae, and W. by that of Manche. Its greatent length from east to west is 65 miles, from uorth to south 14 miles. The ares is 2132 square miles, and the population according to the census of 1851 was 401,210 , which gives 230.39 to the square mile, being 55.68 in excess of tho avcrage per square mile for the whole of France. The population of the department in 1840 was 496,198 , and in $1846^{\circ}$ it was 498,355 ; but in those years the area is returned at 2147 square miles. It seems probablo then that a portion of Calvados has been recently annexed to some of the neighbouring
departments, probably to that of Manche, the area of which, as given in the returns of 1851, is considerably in excess of the amount stated in previous returns.

One of the vessels of the Armada, named Calvados, was wrecked in 1588 on a ledge of rocks that runs parallel to the coast for about 15 miles, and at the distance of a mile from the shore to the west of the mouth of the Orne. The ledge soon came to be known by the name of the Spanish ship, which has been extended to the whole department. The districts of Normandie out of which Calvados is formed are the following :-Bessin, extending between the Dive and the Vire, and consisting of Bessin Proper, which had Bayeux for its eapital; the Bocage, or southern Bessin, of which Vire was the chief town, and which has been always remarkable for the very moderate stature of its inhabitants; and the plain of Caen: Auge, which comprised the valley of the Touque below Lisieux, and extended westward to the Dive: and the western part of Lieuvin, of which Lisieux was the capital. The eastern part of Lieuvin is included in the department of Enre.
The south-western angle of the department is crossed by offsets from the range of hills which separates the basins of the Loire and the Seinc. The rest of the department consists of extensire plains, separated by low hills, and each drained by one or more rivers. Tho plains all incline from south to north, and nll the rivers fall into the English Channel. The coast, which extends from the mouth of the Seine to that of the Vire, is generally high and difficult of access; but on either side of the mouth of the Dive the shole is lined with sand-hills. At the mouths of the Vire, the Orne, and the Dive are tide harbours for vessels of considerable size. [CaEN.]
The principal rivers are-the Touque, which rises at Champhaut, in the department of Orne, and, running past Lisieux and Pont1'Erêque, entcrs the Chsnnel a little below the town of Touques after a course of 50 miles : the Dive, which also rises in the department of Orne aud caters the Channel below the town of Dives; it is joined by the Vire, which drains the country between it and the Touque: the Orne, which rises at Aunou, in the department of Orne, flows north-west past Séez, Argentan, and Pont-d'Ouilly, where it euters Calvados; then turning north-north-erst it passes Caen, and falls into the Channel after a course of 62 miles: and the Vire, which rises iu tho sonth-west of the department, and passing Vire, Pont-Parey (where it enters the department of Manche) and St. Lo, falls iuto the Channel below lsigny in Calvados. All these are tide rivers, and are navigable for several miles from the sea at high water; on the left of the embouchure of each lighthouses are established. The Seulles and the Drome (which receives the Aure below Bayeux), flow into tho Channel through the plain between the Orne and the Vire. The department is crossed by 9 national and 18 departmental roads. The most important of the national roads is that from Paris to Cherbourg, which passes through Lisieux, Caen, and Bayeux. Tho parish roads also are numerous and well kept up. A railroad in course of construction from Rosny (near Mantes on the Paris-Rouen liue) to Cherbourg crosses the department and passes through Lisieux, Caen, and Bayeux. A brunch line, also in course of construction, leaves this railway about midway between Lisieux and Cnen, and runs south through Falaise and Alençon to the Paris-l3rest line at Le-Mank.

In its ayricultural productions tho department maintains a high rank. It contains 1,364,251 aeres, and all this surface, with the exceptiou of a small portion of heathland, is productivo; but except in the plains corn-growing is not the principal object of the farmers' care. On the rich pastures great numbers of cattle and horses are reared. The system of green feeding is extending rapidly, aud large numbers of cattle are fattcued for the markets of Paris and the interior. Dairy farming is extensively followed, and a great quantity of fresh and salt butter is made for export. The centre of this trade is Isigny at the mouth of the Vire. The horses are of the true Norman breed, and much valued for their shape and serviceable qualities. The poultry of the department is abundant aud excellent. Great numbers of capons are sent to Paris. Wheat, potatoes, and cider apples are grown in large quantities: early potatoes especially aud other vegctables are largely grown for export. Of cider, the annual produce is $30,272,000$ gallons. The best kind is that made in the Auge district; it will kcep for years, aud contains a large proportion of alcohol. Melons, haricots, ouions, \&c., are extensively cultivated. Building stone, marble, slate, brick, potter's chy, and iron are found. Marl abounds in the arrondissement of Lisicux and Pout-l'Eveque, and is used for manure. Coal mines are worked at Litry, in which several steam-engines are employed. Coal is also imported from Belgium and Eugland.

The chief industrial products of the department are cotton and woollen yarn, fine and coarse woollen cloths, lincu, flannel, blankets, shawls, calicoes, lace, porcelain, and cutlery. [CAEN.] Throughout the department the manufncture of lace alone gives employment to 50,000 persons, and the value of the lace annually exported amounts to mnny millions of francs. The department contains several papermills, sugar refineries, tanueries, oil-mills, and establishments for the mauufacture of chemicnl products and bleaching linen. The commerce of the department consists of its industrial products, together with horscs, fat cattle, wheat, butter, cheene, poultry, cider, boney,
braudy, eloverseed, lexup, flowerIults, wood, oil, do. The imporit aro iron, wool, rair cothu, hides, aurl colonial produce Gruat quantities of lobaters, oysters, and other fish aro taken along the const and conveyed to the marketn of l'aris and of the iaterior. Above I 80 fainn aro held in the your.

The dopartment in divided into nix arrondissomente, which, with their suldirisions and $p^{m p l a t i o n, ~ a r e ~ f o l l o w e:-~}$

| Arrondlasments. | Caniora. | Communen. | Propulation ha 13s1. |
| :---: | :---: | :---: | :---: |
| 1. Caen | $?$ | 18.5 | 139,9:3 |
| 2. Valsi= | 3 | $1: 1$ | 60,534 |
| 3. Mayeus | 6 | 115 | ;9,9i8 |
| 1. Vro. | 6 | $9 \%$ | 87,0is |
| 3. .1dieus | ${ }_{6}$ | 125 | 65,059 |
| 6. Tomsil'-Etreype | 3 | 116 | 36,614 |
| Tota! | 35 | :92 | 491,210 |

1. Of the first mrromlisement and of the whole department the capital is Caen. [C.Nxs.] Dourres on the const, 8 miles from Caen, population 2100, and T'illers-Bocage, population 1 I 46 , whleb exports great uumbers of egge, are the only other town worth mention.

ㄹ. Of the second arrondissement the chief town is Falaise, 20 miles S.F. from Caen, on the Ante, feeder of the Dive. It stands on rery uneren ground, and is divided into three distinct parts-tho suburh of Gnibray, which is built on the top of a hill; the town iteelf, which oocupies the alope; and the faubourgs of Val-d'Aute and St. Iaurent, which are situated on the low ground. The churches of St.Laurent, St.Gervair, and Guibray; the hospital, the public library, and above all the ancient castle, whicl contnins the apartment wbercin the Conqueror was born, are the mont remarkable buildings in the town. Fialaise has trihunals of first instavee and of commerce, a college, and a population of 8108 . Cotton, hosiory, bohhiu-uct, aud conrso calicoes aro manufnctured; thereare also tanyards, papermills, dyo-bouses, and bleaching establishments. In the suburb of Guibray an important fair is held from the 10th to the 25 th of August, at which great numbers of horees, cattle, aud manufactured goods are mokl. At Marcourf-Thury, a small place of under I000 inlinbitants, which formerly gave the title of Duke to the family of Harcourt, the ducal castle, a vast structure, still stands in a beautiful situation near the Orne; it is surroundel hy well-laid-out gardens, and contnins a large picture gallery.
3. In the thind arronclikament the chief town is Bareux. Isigny, at the houth of the Vire and the Aure, has a harbour for amall vessela, and exports butter, cider, hams, cattle, and other agricultural produce. It has a tribunal of commerce, and a poulatiou of 2500 . The Vire is here crossed hy a fine granite bridge. Litry, 10 miles W.S. W. from Laycux, bas 2452 inlabitanta, many of whom aro employed in conuection with the conl-mines of the neighbourhood.

1. In the fourth arrondissement the chief town is Vire, the capital of the Docage, whicb is huilt on two steep hills, separated by tho river Vire. The largent portion of the town stauds on the right bauk; bereare the general and the foundling hospitals. The part on the left bauk contains the sub-prefect's hotel and several large well-built lonses. The other remarkable buildings are the church of NotreDame, the Motel-Dien, founded hy the dukes of Normandy, the public lihrary, and the corn-market. The town has a college, trihunals of first instance and of commerce, and contains a population of 7400 , who manufacture fine linen, woollen clothe for the army, woollens yarb, and paper; and trade also in com, wine, hrandy, flax, hardware, nud iron. There are the remnins of an ancient castle at Vire, the possession of which was often contested by the Finglish, Frencli, and Bretona Condegur- Noircau, at the junction of tho Durance and the Noirean, is 14 milem E. from Vire, and has 5976 inhabitants. It was hell hy the Eingliah till 1449, and was one of the first places to embrace the reformation. It is a very ancient looking place. The churche of St.SAuvenr and St.-Martin aro the most remarkahlo buildings. Tho town has a trihumal of commerce; manufuctures woollens, calicoes, cotton-yarn, eutlery, and leather; and trades also in cattle, flex, yarn, and honey.
2. In the fifth arrondinsement tho chlef town is Lisicur. (Noriomagus, Ciri?as lexuriormm), which was also the copital of the Lieuvin. It atande In a beautiful walley, watered by the Orbec aud tho Touque. The road from Caen to Fircux runs through tho best and widest atreet In tho town. The other streets are narrow aud winding, the lowes high, olpl, and mostly timber-framed. The gothic cathedrnl, a structure of the 12th century, which contains a beautiful Lady chapel (huilt by lierre Cauchon, hishop of Ieauvain, afterwands of Limienx, and one of the jurlge of Joan d'Arc), and the former eplisomply palace, are the fincst building in Lisicux. Tho old ramparts have been fommed into promenadea. The town contains 11,378 Inhabitanta, and lime tribunals of first iustanco and of commerce, a college, and an cocleminstical neminary. Linen, woollen cloth, fannels, swan-kins, home covern, Lape, woullen and cotton yarn, nre mamufactured. There are almo tnaynels, paper-mille, lye honses aud fillingmille Theme porlucta, engether with corm, ciler, lutter, homp, finx, ansl cattle, form the leme of a lirisk trale, which is inuch facilitated hy the Tongue, thin siver being wavignble at high water from lisleux
to its mouth. Orbec, I 2 miles from Lialeux, atadrls lu a lovely valloy on the Orbec, a feeder of the Tounque, and has 3350 inhabitants, whos are engngel in agricultare and in the manufacture of liosiery, tape, woollen atuffi, and leather.
3. In tho sixth arrondisnoment the chief town in Pont-r Erizue, the capital of Augo, whleh stande in a wlde plain at the junction of the Touque and the Caleune, 25 miles F. from Cren, and has 3300 inhabitantes. It was in this town that the Conqueror held the ineeting of the stntes of Fommundy, mithich it was resolved to invade Fingland. Lace is the priscipul manufacture. Cibler, ebeeno, butter, fat cattle, and wood, are the chief articles of trule. The town has a tribunal of first instance. Monieur stands at the foot of a high hill ous tho south sliore of the pestunry of tho Seinc. It has esmall harbour, which consists of two baslus; the cutrance to it is formed by jetties. A third basin is now nearly completed. Tho town in irregularly huilt; it has two churches, a royal echool of navigation, and a population of 0580 . The publio huilding of IIonflenr aro remarksblo for the oddneas of their ancient architectnre. Veasels belonging to the town are engaged in the cod, herring, and mackerel falseries, Hosiery, lace, chemical products, ironmougery, and handware are manufactured. There aro also maw-milln, sugar refincriea, rope-walks, and ship-building yards. Corn, cider, melons, sausagon, sud fish are the chief articles of tmide. There aro two lighthouses at Ilonfleur. Dires, at the mouth of the Dive, from which the Conquerormaled against kagland in 1066, is now a mere fishing village with about lindf a thousand inhabitants.

The propulatiou of the department is seattered over the surface, living mostly in hamlets and farm-bouses. This accounts for tho small number of towns of auy coneiderable siza. The department forms the bishopric of Baycux. It is iucluded iu the jurisdietion of the higls court of Caen in wbich towu there is a provincial university of bigh repute with faculties of law, scieuce, and languages; and it belongs to the second Military Division of which Rouen is head-quartera

CALVAlRY. [Jerubalea.]
CAlW, or CALBE, the chief town of tho bailiwick of Calw in the Wurtemberg circlo of the Black Forest, is situnted in $48^{\circ} 42^{\prime}{ }^{\circ}$. lat., $8^{\circ}$ 44' F. long, on the river Nagold in the bottom and on the side of a narrow valley of the Black Forest: the population is about 4300 . Tho town is of very ancient date, and wis until the early part of the 14th century the capital of the former carldom of Calw. It was burned by the French under Melac in I 692 . The ruins of the enstle of the former counts of Calw stand ou the hill abovo the town. The river divides the upper town from the lower town. Calw contnins several churches. It has long beeu tho seat of a considerablo trade. Tho imlabitants are employed in tho woollcu aud kerseymere maunfactures, in tho spinuing of woollen yarn, in dyc-works, and in manu. factures of stockings and leather. Lime and charcoal form considerable items of traffic. The charconl is prepared in the mirrounding districts of the Black Forest. The roads in the neighbourhood mo very imperfectly attended to, so that travelling is difficult. Cialw wha the birth-place of Pope Victor II., one of the counts of Calw, and of Weeso, the surgeon who saved tho life of Augustus, king of I'oland, at Bialsntock in 1727.

CALYCADNUS, IIVlirn [ANATOLA.]

## CAMARBES. [AvEYRON.]

CAMARGUE. [BOUCHES-DU-RHONE]
CAMAII'NA (Kapapiva), a towu iu tho south of Sicily, on the river Ilipparis, very ncar tho sea Camarima was a Dorian town (Thncyd. iii. 86), the uost considerable of the Symacusan colouies (Strah. vi. 1 . 272, u, Casaub.), founded B.c. 600 (Clinton, F. II., vol. i. p. 226, 2nd edit.), 135 yens after tho foundation of Syrncuse from Corinth (Thneyd, vi. 5). The situation was unlealthy, owing to the neigh. bourhood of a marsh which was fomned by the river Ilipparis ; this inarsh however was so great a safeguanl apainst the attacks of cnemien, that it was considered that tho draining of it would bo fatal to Camarina. llence the proverb $\mu_{1}$ ) кivet Kapapivav (ne mereas Camarinam), which implied that, although the marsh was an evil, the dangor which would attoud its removal would bo a greater one. Only a few ruins now remain, bearing the ancient name. Few towns have undergone so mauy aud so remarkable revolutions as Cammriua. About 46 years

nfter lia foundation it rorolleal from the mother state, and the town whs deatrojed. Tho siymensans were afterwards forced to eede Camarina to llippoernten, tyonnt of Gela, who however colonised it afreal. Celon, the naceerent of Hippocmates, flealmyed the town nypia
(Herod. vii. 156), and removed the inhabitants to Syracuse. The town appears to have been again rebuilt by the people of Gela about B.c. 461 . In the great Carthaginian invasion of Sicily the territory of Camarina was ravaged by Himilco in the spring of s.c. 405 ; the eity itself was not attacked, but Dionysius, unable to pretect it from the Carthaginians, induced or constrained the inhabitants to remore from it to Syracnse, which they afterwards left for Leontium. (Diodor. Sicul. xiii. 108, 111, 113 ; Xen. 'Hell.' ii. 3, § 5.) By a submequent treaty the inhabitants were allowed to return to their homes, but only as tributaries to Carthage. Camarina afterwards assisted Dionysius in his war with the Carthaginians. On the desth of the elder Dionysius the people of Camarina supported Dion in his march upon Syracuse. Camarina was afterwards restored and curiched by Timoleon (Diodor. Sicul. xvi. 83), b.c. 336.

The inhabitants of Camarina took the side of tho Romans early in the first Punic War. In B.c. 258 the town was betrayed to the Carthaginians, but being recovered by tho llomans, many of the citizens were sold as slaves as a punishment for their defection.

In b.c. 255 a serious disaster befel the Roman fleet on the coast near Camarina: of 364 ships 284 suffered shipwreck in a violent tempest. The town existed in the 2nd century of the Christian era, but its history is not traceable to a later period. Its site is now desolate. The remaius of the town include only some scattered portions of the old walls, and a church, which was originally a templc. Remains of the port and portions of buildings on the shore were still visible in tho 17 th century ; these are now for the most part bnried in sand.

CAMBAY, a large city, supposed to be the Camanes of Ptolemreus, situated at the mouth of the Nhye River and at the head of the Gulf of Cambay, in $22^{\circ} 21^{\prime}$ N. lat., and $72^{\circ} 48^{\prime}$ E. long. When Gujcrat was an independent state, Cambiry, as the sea-port of its capital Ahmerlabad, enjoyed a high degree of commercial prosperity, which it has since lost. The city contains several mosques and Hindoo temples, and the remaina of many more religious edifices, tle greater part of which appear to have belonged to the sect of Jains, whose religion was formerly predominant in this part of India. The trado of Cambay formerly embraced the export of silk and chintz goods, jewellery, and indigo, but at present nearly all its export trade consists of grain sent to Bombay. The surrounding country is fertile, and furnishes oil, seeds, wheat, and other graius. Tho silversmiths of Cambay still retain their superiority in the art of embossing. Until the beginning of the precent century, the city and territory of Cambay were governed by a nativc prince, who was tributary to the Mahrattas, but on the overthrow of tho Peishwa the British succeeded to his rightg, and the princo now pays tribute to tho East Iudia Company. The territory includes an area of 500 equare miles, with a population of 37,000 , and a public revenne of abont 30,000 . The amount of tribute paid is the Eritish government is abont 6000 l ., besides half tho customs duties of the port of Cambay. The Nawaub maintains a force of 200 cavalry and 1500 infantry.

CAMBAY, GULF OF, formerly known as the Gulf of Barygaza, is situaterl on the north-west const of India, and cxteuds from the southern oxtromity of tho peninsula of Gujerat, in $20^{\circ} 40^{\prime} \mathrm{N}$. lat., and $71^{\circ}$ i' $^{\prime}$ E. long., to the city of Cambny, a distance of 130 miles. In consequence of tho currents and the borc which occur in this gulf, its navigation is dangerous. The waters of the Saubermutty, the Mhye or Mahy, the Dhandur, the Norbudda, and the Tapti rivers discharge themselves into this gulf.

## CAMBERWELL. [SURREY.]

CAMBODIA. [Cochin Cirisa.]
CAMBORNE. [Cornwall.]
CAMBRAI, a fortified city of France, in the department. of Nord, stands on the right bank of the liscaut (Schclde), 100 miles N.E. from Paris, 19 miles S. from Douai ; in $50^{\circ} 10^{\prime} 37^{\prime \prime}$ N. lat., $3^{\circ} 13^{\prime} 32^{\prime \prime}$ E. long., and has a population of about 20,000 .

In the latter period of the Roman cmpire this city rises to notice under the name of Camaracum, by which it is mentioned in the 'Itinerary of Antoninus' and the Theodosian table. It was one of the chief towns of the Nervii ; Turnacum (Tournay) being the other. Cambrai is said to have been the capital city of Clodion, the son of Pharamond (A.D. 427-448), and to have given title to his kingdom. Charleinagne fortified the town, and Charles tho Bald ceded it to its bishops, by whom the sovereignty of it was long retained. In 1510 the emperor Maximilian I. erccted Cambrai into a duehy and principality of the empirc in favour of the then bishop and his successors. In 1543 the emperor Charles V. rendered himself master of the place, and erected the citadel, one of tho strongest in Europe, on a height at the eastern extremity of the city. The fortifications were much strengthened by Vauban. Tho linglish took Cambrai by escalade, Juno 24, 1815.

The city is large. It is eutered by four gates. The streets are of tolerable width, but not regularly laid ont, and thero aro a great number of old houses with their gables to the streets. The Placed'Armes is capablo of containing all the garrison drawn up in order of battle. There are some handsome public buildings, among which is the cathedral church of St.-Sepulchre, which contains tho remains and a monument by David of Fénelon the great arehbishop of Can brai; and is surmounterl by a steeple remarkable for delicacy of architecture. In tho first French revolution Fénelon's remains were torn from the grave, and the learlen coffin which contained them converted into
bullcte by the sacrilegions madmen of the tinc. The paincipal of the other buildings are-the church of St.-Gery; the public library which is established in the church of the former hospital of Sto-Jean, and contains 30,000 volumes besides a large number of manuscripts; the town-house; the theatre; and the archiepiscopal palace. Among the educational establishments of the town are-a college, a school of anatomy, aud an ecclesiastical seminary. Tribunals of first instance and of commerce are held in Cambrai. The see was founded in the 5th century; it was erected iuto an archbishopric in 1559 , suppressed at the first Freach revolution, and re-established in 1841. The only suffragan of the archbishop of Cambrai is the bishop of Arras; his own diocese is formed by the department of Nord.

Cambrai is favourably situated for trade, in consequence of its position on the Escaut ( which here begins to be navigable), and the canal of St-Quentin, which connects the town with the Oise and the Seine. The chief manufactures arc cambric (which dcrives its English uamo from the town), lawn, linen, thread, aud cotton-yarn, lace, hosiery, fine muslin, leather, black soap, starch, beet-root sugar, beer, brandy, salt, and saltpetro. The commerce of the town consists of these articles, and of corn, wine, wool, iron, cattle, coal, hops, \&c.
(Dictionnairc de la Francc.)
CAMBRESIS, a district formerly in the Low Countries, now forms the greater part of tho arrondissement of Cambrai, in the department of Nord in France. It is a small district with a level surface, watered by the Escaut and its tributaries (the Senset and the Selle), and by the Sambre, a tributary of the Meusc. It produces grain of all sorts, and flax, and affords pasturage to many sheep and horscs.

It was in ancient times part of the territory of the Nervii. On the downfal of the Western empire it came into the hands of the Franks. Being subsequently comprchended in the Germanic empire it was ereeted by the cmperors into a county, held for 400 years by laymen, but afterwards ceded to the bishops of Cambrai. It was appropriated by Charles V., and remained in possession of the Spaniards till 1677, when it was conquered by Louis XIV. and confirmed to France by the peace of Nimeguen in $16 \% 8$.

The capital was Cambrai, or according to some Le Cateau. The small town Crevccoour was also in Cambresis. [Cambran; Nond.] (Dictionnaire dc la Francc.)
CAMBRIDGE, tho county town of Cambridgeshire, a municipal and parliamentary borough, university town, and forning of itself a Poor-Law Union, is situated in $52^{\circ} 13^{\prime} \mathrm{N}$. lat., $0^{\circ} 7^{\prime} \mathrm{E}$. long., distant 501 miles N. by E. from London by road, and $57 \frac{1}{2}$ miles by the Eastera Counties railway. The population of tho town of Cambridge, comprising 14 parishes and including the University, was 27,815 in 1851. The borough is governed by 10 aldermen and 30 councillors, one of whom is mayor; and returns two members to the Imperial Parliament. Cambridge is in the archdenconry and diocese of Ely. Cambridge Poor-Law Union, which is co-extensive with the 14 parishes comprised within the borough, includes an ares of 3470 acres.
Cambridge is situnted ou the river Cam, from which the town derives its nnme. The town is called Grentebridge in the Domesday Survey; Granta was the ancient name of the river, and the pame is retained by it above Cambridge. A small village about 2 miles $S . W$. from Cambridge is still called Grantchester. It appears certain that the Romans had a station here, and there is little doubt that it was the Camboricum of Richard of Cirencester, the Camboritum of the 'Itincrary of Antoninus,' though Horsley supposes the site of Camboricum to have been at Icklingham in Suffolk. [Britannia.] The Roman town appears to have occupied the sito of the north or castle end of the present towu. Some entrenchments are still traceable. Bode speaks of Cambridgo as bcing at the closo of the 7 th century a deserted city. It was burned by the Danes in 871 , and again in 1010. Whilo the Isle of Ely was held against William the Conqueror by tho English nobility, that monarch built a castle at Cambridge-Grose says in the first year of his reigu; but according to Ordericus Vitalis in 1068. That the town had risen to considerable importsnco at the time the Domesday Survey was mado is evident from the description of it in that record. Iu 1088 Cambridge shared the fate of the county in being laid waste with fire and sword in the cause of Robert Curthose. In 1174 a fire happened at Cambridge which, among other extensive damages, injured most of the parish churches and destroyed that of the Holy Trinity. King John among other privileges grauted the townsmen of Cambridge a mercatorial guild, and the liberty of being govcrned by a provost to be chosen amnually by themselves. The style of their governmeut was afterwards altered by King Henry III. to that of a mayor and four bailiffs. The town has sent members to I'arliament from the carliest period of our parliamentary rccords. King John was at Cambridge on the 16 th of September, 1216 , about a month before his death. On his departure he intruster tho defence of the castlo to Fulke de Brent, but it was soon after taken by the barons; and after the king's death a council was held at Cambridge between the barons and Louis the dauphin. In 1249 wo have tho first notice of serious discond between the townsmen of Cambridge and the scholars of the University. Subsequent dissensions between then froqueutly occur in different periods of their annals. From about 1266 to 1270 the town appears to have sufficred on scversl occasions fiom tho attacks of the turbulent inlabitants of tho Isle of Ely. On one occasion they
plunderal and barnt tho town, and the king (lienry 11i.) oame with an arzay to the rellef of the inhabitanta. In 1351 in connequence of the Iowles procealings of the townmmen in dentroying the ehartern of the L'uivemity and thooe of Corpun Chrinti Colloge, Klag IRiehnarl 11. deprived the burgemon of their chartar, and betowed the privi. leges writh which they had been inveatal upon the Ualreraity. The charter was however nemewal to the corporation in the following year, the privilegen formerly enjoyed being to some extent taken owny. The meyor in mequlmal upon entering into offico to take an onth to maintiu tho priviloges, libertien, and cnatom of the Univerwit. Confrmation of the charter hare been grauted to the corporation by ancoesive novercign on nuneronn ocenvious from Henry IV's time downwarla, Queen Victoria and Prince Albert vieitel Cembridge in October, 1848, nad reain in July. 1847, on oceavion of the inmallation of Prince Albert as Clascellor of the University.

Upon the Cont symploms of as approaching war between King Chater I. and his Parlimment, the University of Cambridge demonstrated its loyalty; but in 1643 Cromwell, who had twice represented the borough, look jometaion of the cown for the Parliament, and put in it a garrinon of 1000 men.
Of the parish ohurohen the mont reramitnble is that of St. Sepulchre, manaly celled from its form the Round church. It was built in ienitation of the church of the Iloly Sepulchre at Jerusalem, and was consocrated in 1101. The building wan reatured in 1843 with the greateat possible oare and at considerable cost. Great St. Mary's is the Univeraity chureh; it stande in Trumpiugton Street, near the ceatre of the town. It is a apacious and externally a rather handsome edidee in the perpendiculer style. The first stone of the church was laid in May, 14.8 , and the body of the church was finished in 1519 ; the tower was not completed till 1608. The church consists of a nnve, two side aisles with a chapel at the end of each, a chancel, and a tower at the west end in which is a peal of ten bella. Serrice is performed in this church on Sundays in the morning for the parishionern; and a sermon is preached in the afternoon to members of the University, and on holidays by graduates appointed by the University. In this parochial church the Univeraity has certain seats by fnculty. The gallery, added to sccommodate the members of the Univernity, is no addition to the architectural beauty of the interior. Great St Mary' ehurch is so called to distinguish it from another callat St. Mary tho Lem, near St. Petar's Collega. Sit. Benedict's or Benet'a many bo noticed for its tower, one of the few remaining examples of Angla-Saxon church architecture. St. Botolph's, St. Michael's, Trinity, and Little St. Mary's churches are among thone mont worthy of notice for their anchitectural merita St. Michacl's ehurch was a short time back greatly injured by firo; it has since been restorsd and improrod. Most of the churches contain monuments of interest.
There were formorly as mnay is if ancient edifices in the town, consinting of puilde, priories, convents, bostols, \&c. Among the roligious foundation not connceted in their origin with the University werc the houss of Austin Canonw, founded in 1092, originally pleed in or near the church of SL Giles; the Benedictine nunnery of St. Rhadeguad, now forming a part of Jesus College, founded in 1130; the Gray Friars or Franciscans, founded soon after 1224; the Bethlemite Friars in 1257; the Friars de Sacco, 1258; the Dominican, or Black Friars, founded before 1275 ; the house of Brethren of St. Mary, in the parish of All Saints, 3 Edward I.; the Austin Friars, founded in or near the Fish-market, called Ease Hill, about 1290; the White Friars, brought from Newenham in 1291; the Gilbertine Canons, established about the sarne time; the Hermitage of St. Anue and Hospital of Lepers, founded by Meary Tangmer before 1397; and the ancient Hospital of St. Mary Magdalene for Lepers at Stourbridge.
There are in Cambridge places of worship for Laptists, Indepeadente, and Wesleyan and Primitive Methodista. The Free Grammar achool, founded by Stophen Perse, D.M., Senior Fellow of Cuius College, in 1615 for 100 scholars, is open to natives of Cambridge, Darnwell, Chenterton, and Trumpiugton. The system of tuition ha recently been conuderably improred and extenderl, and the school buildings have undergone extensive repairs. Scholars who heve been educeted the thehool for three years have a prefer unce to the Perse Fellownhipm and Scholanthipa at Caius College. The school han an income of 4501 a year, with house for the master and unher reat free: the number of acholars in 1851 was 100 . Thero aro National schools, with which have been unitod Whiston'a Charity cchools founded im 170s. Soveral new ehools haro been eroeted within the lant fow yeara. An Induatrial school has lately been entablibbed. Addenbrooke's IIompital, opened in 1766 , is so called from ita founder, John Addeabrooke, M.D., Fellow of St. Catherise's IIall: the number of patiente aunually nomount to about 1000 . In 1818 a bequert of 7000 . In tho threo per cenk consolinated annuition was made to the inntitutlon by Mr . John 13owtell, a bookbinder nod atationer in Cambridge, for enlarging the buildisg and extending its benefita Craseis Charity, foanded in 1680 , la for the roliaf of acholan of the Univerity in the time of mieknem; for affording temporary loan without lnterert to young mon to aot them up ln trade; for relief of permons confined for delt, and of poor mon and women of
good character. Nine seta of almhoumen provido in all for 61 poor pemonn. The Vietoria Friendly Societion Anylum, ewtabliaherl in 168\%, provide a rotreal for the infirn members of friondly societies. Tho buildings are allaptal to mcommoulato 12 farailions A rechanics institute, and a literay institution called the I'hilo-Union lave each a nown-roota and a monali library.

The town of Cambridge is nltuated on level grouud ; the greater portion of the towa being on the right sidlo of the river. Tha leading ntreot croesen the river by a reat cast-irou bridge of ome arels, erected in 1523 by subseription. The swarket-pluce, which has been considerably enlarged and improved wit hin the lat three years, in aitusted nearly in the eentre of the town; it is now probably one of the finent marketplaces in lingland. At the south ead of the market-place is the Guikdhall. The front part of this structure was built in $1 \% 47$ at the coat of the county. Theotber portion of the builling was renowed in 1782. It conLainn a large court-room, with other roomn for commletee meetings and for the trmasaction of public buninons. Close to the iron railings of the market-place and opponite to the guildluall stands the conduit, orectorl chiedy from the bequeat anade by Thonas Hobson, the Cambriige carrier, whom Milton has immortalised in a well-knowr epitaph. The conduit was erected in 1611, and ever ainoe that time has ruppliod the inhabitants of Cambridge with a tolerably auple supply of wholesome water. The sewerage of the town has been lately mucla improved. The town is lightod with gas The numerous publio walks connected with the grounds of the colleges are of very great benofit to the town, aud a plot of ground uearly 20 acres in extent, deneminated I'arker's Piece, has been appropriated for the reereation of the inhabitants. At the north-western extremity of the town stands the county court house, a rather clegant structure of recent erection. Near this building is the nsw county jail. The castle was sufferod to go to decay as early as the reign of Henry IV. Tho gate-bouse, the last important relic of the ancient edifice, was pulled down a few years back to make way for the new county court.

The University buildings and the colleges will bo noticod under Cambrlug Úsiversity.

From Castle Hill an interesting riew of the town and collegras and of the surrounding conntry is obtained. Ely cathedral may bo discerned from it by the naked eye. Quarter aessions for the county and town aud tho assizes for the county ary held in Cambridge. $A$ county court is also held here. The town possesses a marings bouk.

A fair was held at Cambridge from very ancient times iu Rogatiou week, It was recognised and confirmed in a charter of the 2nd of King John. Another at the festival of the Assumption of the Virgin Mary was granted by King lleury VI. to the nuns of St. Rhadegund in 1438. In the parish of Little St. Andrew, or Barnwell, are held the Midsummer fair and Stourbridge or Sturbridge fair, which ars annually proclaimed by the principal officen of the Univeralty with much solemnity; the former was held for a fortnlght on a common callerl Midsummer Green; Stourbridge fair, supposed to be of great antiquity, is proclaimed on the 18 ch of Septetaber, and used to continue for three weeks. The duration of both fnirs has been considerably shortened. The chartered market-days are Wodnesday and Saturday, but there is a market every day in the week cxeept Munday for vegetables, poultry, egg, and butter. Abundant supplies of provisions are furnished for the market, but the consumption being great in consequence of the number of residents connected with the University the prices are comparatively high. Corn, brawn, nud Stiltom cheese are considerable articles of trade. By means of locks the Can is navigable up to Cambridge, and by it the town is supplied with coals, \&c., through Lynn, where the Ouse enters the sen.
(Gough's edit. of Camden's Britannia; Lysons, Magna Britannia: Iugram, Memorials of Cambridge.)

CAISBRIDGE, UNIVIERSITY OF. The first establishmeut of this University is involved in much obscurity. It neems probable that Cambridge first became seat of luarning in the 7 th ceutury, when, as Bede ('1list. Hicc.' lib. iii. c. 18) inforins us, Sigebert, king of the Fant Angles, with the advice of Fclix tho Bishop, instituted within his kigglom a school for learning, in imitation of What he had seen in France: this school is preaumed to have been fixed at Cambridge, It is certain that from a very oarly time Cam. bridge was the residence of numerous studente, who at furat lived in apartments hired of the townsmen, nnd afterwards in inna or hostels, Fhere they formed a community under a priucipal at their own clargo. Some ay that Edward the Elder, when ho repaired the ravages of the Danes at Cambridge, erected hall for studeuts nud appointed professors ; others maintain that a regular system of ecademical education whe not introducod till the year 1109 , when the Abbot of Croyland having sent sone learned monks well versed in philosophy and other seiences to his mauor of Cottenham, they repaired to the neighbouriag town of Cambridge, whither a great number of acholars flocked to their lecturea, which they arranged after the manner of the Univermity of Urleans llecent inquiries have nhown that there was a resomblance between the carliest known arrangementa of the Liniversities of Cambridge and Orleans; and thero appears to bo reason to beliove that there was some connectiun betweon them. There in no reference in the Domasday Survey to my unlversity or important nehool of learning at Cambridgo at the Cosqueat. The first charter knowa to havo been granted to Cam-
bridge as a university is that of the 15th Henry 111., which grants the privilege of appointing certain persons called Taxors to regulate the rent of lodgings for the students, which had been raised to an exoz bitant height by the townsmen. This was almost 50 years before the foundation of Peter House, the first endowed college. In 1333 King Edward III. granted the University some important privileges. These farours made the townsmen still more jealous of the University; and their discontents broke forth into open violence in the sueceeding reign, when emboldened by the temporary suecess of Wat Tyler and his associates they seized and destroyed the university charters. In 1430 Pope Martin V. determined from the testimony of ancient evidences that the University was exelusively possessed of all eeclesiastical and spiritual jurisdiction over its own seholars. Queen Elizabeth in tho third year of her reign grauted an extensive charter to this University; and by an Act of Parliament, 13 Eliz. c. 29 (for the incorporation of both the English universities), this and all preceding grauts were confirncd, and the University of Cambridge was declared to be incorporated by the name of the Chancellor, Masters, and Seholars. The offiee of Chancellor, as chief magistrate of the University, had existed from a very early date: it was only annual till 1504, when Bishop Fisher was chosen chancellor for life. At present the office is biennial, or tenable for such a leugth of time bejond two years as the tacit consent of the University may allow. The other principal officers are the High Steward; the Vice Chancellor; a Commissary, who holds a court of record for all privileged persons under the degree of M.A.; a Public Orator; an Assessor to assist the Vice-Chancellor in his court; two Proctors, whome business it is to regulate the discipline and preserve the peace of the University; a Librarian; a Registrar; two Taxors, who regulate the market, examine the assize of brem, and inspect the weights and measures ; two Moderators, who superintend the exer cises in the schools and tho examinations for degrees of arts; two Scrutators, who regulate the bnsiness of the congregations; two Pro Proctors ; three Esquire Bedels ; and some inferior persons.

The University may be regarded as a commonwealth resting upon the union of the neveral colleges; though it is an error to regard it, as is often done, as a mere aggregate of colleges. It is in fact a sort of federal union of which the colleges are members. There are 17 colleges and halls in Cambridge, all of which possess equal privileges. linch collego is a lay corporate body bound by its own statutes but the members of each eollege are also subject to tho general laws of the University. The present university statutes were given by Queen Elizabeth in the 12th year of her reign, and are the foundation upon which all new law are framed. Each of the 17 colleges furnishes members both for the executive and legislative branch of university government. The place of assembly is the senato-house. All persons who are masters of arts or doctors in one of the three faculties, namely, divinity, the civil law, or physic, having theirnames upon the college boards, holding any university office, or being resident in the town of Cambridge, have votes in this assembly. The Senate is divided into two housen, denominated the legent and the Non-Regent house: the Regent, or Upper house (or, as it is frequently called, the White Hood house, from the members wearing their hoods lined with white silk), consisting of the doctors of less than two and the M.A.'s under five years' standing; the Non-Regent, or Lower house, or Black Hood house, consisting of the M.A.'s above five years. The doctors of more than two jears standing vote in cither honse at pleasure There is also a council called the Caput, chosen annually on the 12 th of October, by which every university grace or proposition must bo approved before it can be introduced to the Senate. The Caput consists of the vice-chancellor, a doctor in cach of the faculties, and two masters of arts, who are tho representatives of the Regeut and Non Regent houses. Any single member of the Caput has the power of putting a veto upou any grace that is proposed.

The annual income of tho University arises from various sources, including the rectory of Burwell and a farm at Barton, which produce about 1000 l per annum, fees at matrieulations, for degrees, \&c., and the trading profits of the university press. The whole income from every source is believed scarcely to exceed 5500l. per annum. The funds are managed by the Vice-Chancellor, or by specifie trustces; and the accounts are examined annually by three auditors appointed by the Senate.

Some of the public professors of the University are paid from the university chest, others by her Majesty's government, or from estates left for that purpose. They are the Lady Margaret's Professor of Divinity; the Regius Professors of Divinity, Civil Law, Physic, Hlebrew, and Greek; two Professors of Arabic, one of whom is called the Lord Almoner's Reader; the Lucasian Professor of Mathematics ; Professors of Moral Theology, or Casuistry; Chemlstry; Astronomy and Experimental Philosophy; Anatomy ; Modern History ; Botany; Geology; Astronomy and Geometry; the Norrinian Profcssor of Divinity; Natural and Experimental Philosophy; the Downing Profcesors of the Laws of England, and of Medicine; the Professors of Mineralogy, Political Economy, and Music; besides which there are various endowed lectureships. By a grace of the Senate, October 31, 1848, a Board of Mathematical Studien wan appointed, to consist of the Lucasian Professor of Mathenatics, the Plumean Professor of Astronomy, tho Lowndean Profesmor of Geometry and Astrouomy,
and the Jacksonian Professor of Natural and Experimental Philosophy, as well as the Examiners for Mathematical Houors, "whose duty it is to consult together from time to time on all matters relating to the actual state of mathematical studies and examinatious in the University, and to prepare annually and lay before the Viee-Chancellor a report, to be by him published to the University in the Lent or Easter term of each year." The Cambridge Philosophical Society was established in 1819, and incorporated by royal charter dated 3rd of August 1832. It includes most of the resident graduates of the University.

The privilege of sending two representatives to Parliament was conferred upon the University by chsrter, in the 1st of James 1. The right of election is vested in the members of tho senate, in number about 3900. The Vice-Chancellor is the returning officer.

The nnmber of members on the boards of the University in 1748 was 1500; in 1840 it was 5696 ; in 1853 it was 7336. The number of resident members averages about 2000. Tho number of undergraduates (students) is usually about 1700.

It does not belong to the present work to deserihe the course of study through which the students at Cambridge have to pass. As is generally understood it comprises Theology, Natural aud Moral Philosoplyy, and the literature and languages of Grecce and Rome.

There are three University terms which are fixed by invariable rules. They are-the Michaelmas or October term, which begins ou the 10th of October and ends on the 16 th of December; the Lent or January term which begins on the 13 th of January and ends on the Friday before Palm Sunday; and the Eastor or Midsummer term which begins on the 11th day after Easter Sunday, and ends on the Friday after Commencement day, which is always the first Tuesday in July.

Before a candidate can proceed to the examination for Bachelor of Arts, he must, after having been duly unatriculated into the University and entered on the boards of oue of the colleges, have resided teu terms or the major parts of them, have undergone the "previous examination," or "little-go," and made a deelaration that he is bona fide a member of the Church of Englaud. The candidates are divided into two classes: "questionists for honors," and "questionists, not candidates for honors," who are familiarly known as the mo八入o The examination extends over a period of 20 days. The candidates of both elasses are examined in the higher branches of arithmetio and mathematics, and in the Greek and Latin languages and literature the examination for honors being of course much the most compre hensive and searching. The names of those who obtain honors are arranged in lists in the order in which they distinguish themselves. The lists are called Triposes. The names of the three elasses of merit in the Mathematical Tripos are Wranglers, Senior Optimes, and Junior Optimes: the first mau being termed Senior Wrangler. In the Classical Tripos the uames are placed under first, second, and third classes; the first man being known as First Classic. These Triposes are published regularly iu the University Calendar. In accordanco with the terms of a grace adopted by the Senate, October 31, 1848, a similar camination iu the moral sciences was commenced in 1851, the names of the successful candidates being arranged in lists called the Moral Sciences Tripos. The subjects of examination are Moral Philosophy, Political Econonıy, Modern History, General Jurisprudence, and the Laws of England. By a grace which passed the Scnate on the same day, an examination for honors in the Natural Sciences was likewiso commenced in 1851. The subjects iu the Natural Sciences Tripos include Anatomy, Comparative Anatomy, Physiology, Chemistry, Botany, Geology, and Mineralogy, exeluding the Mathematical part of Crystallography

The public buildings belonging to the University are the senatehouse, the university library and schools, the university or Pitt pruss, the Fitzwilliam museum, the anatomical museum, aud the observatory. The Senate-honse, an edifice of the Corinthian order, erected in 1722 , from a design by Sir James Burrell, is a large building forming the north side of the spacious square, of which the west side is formed by the university library and sehools; the east by St. Mary's chureh; and the south by King's College. Iu the grand-room of the senate-house all the more important public ceremonies take place. The original building known as the Schools was ereeted about the middle of the 15 th century; the part which fionts the squaro was rebuilt in 1775 , at the expense of the University, assisted by liberal benefactions. The noble library of tho University, a collection comprising about 170,000 rolumes of printed books, and 2000 valuable manuscripts, is contained partly in the upper story of the publio schools; the remainder is in the new Uuiversity Library, a handsome edifice, erected from a design by C. 1.. Cockerell, Esq., R.A. The Botanie Garden occupies three or four acres; the ground with a large and ancient edifice, formerly belonged to the Augustine Friars it was purchased by the late Dr. Richard Walker, vice-master of Trinity College for 1600 . This site having become insufficient, an Act of Parliament was obtained which empowered the University to procure a freah one and disposo of the former. A piece of ground of about 30 acres, witbin a mile of the town, was accordingly purehased, and has been in part laid out and planted. The old sehools still remain aud belong to the Jacksonian professor for the timo being; and a new building has been erected for the use of the lecturers in chemistry,
botany, nol anatous. The Geulogical Mumeun, ami the Bineralogical Jumam, loth very extenaivo nnd valuable collectiona, are now deponlted in ove of the winge of the uew llbrary. The valuable Ansombloal Stument han been placod In a cosumotions huilding erected by the University. The Obecrvatory was erectel between 1822 and 1581, aner the lemigm of Bir. J. C. Mond, at an expense of upwand of 18,1151 ; about 6000 . of which whs mied by mubocriptionn, aml the reminiler wha grentel from the miverity clewt. The building is oomiderad to lo woll sinpted for lts purpome Thero is an excellent collection of matnouvmical instrumento; tho great tolasope, of nearly 12 inches aperture and 20 feet fosal length, warle by M. Cauchoix of Paris and premented to the University in 1835 by the Manjuis of Northampton, standa in a building erected eapecinlly for it near the obeervatory. The l'itt proas or University Printing houte, was loguu in $1 \$ 31$ and finidial in 183s, from a design by Mr. Dlore.

IRichand Vincount Fitawilliam, who dien in 1816, bequeathed to the Linivernity line culiection of books, paintinga, engravinga, \&c, with the intenent of $100,000 \mathrm{~L}$, South Sem Annuitios for tho erection and endewruent of a museum. The building was commenced in 1837, from the deaigns of Mr. G. Busovi, but that gontleman having been tilled by a fall from the tower of Ely cathedrai, it was completed, in 184\%, under the superintendence of Mr. Cockerell. The Fitzwillisu Mream is a speclous and ornate strueture of the Corinthian onier, wilh a noble portico, and is by far the most pplendid modern building in Cambridge. The Fitzwilliam collection is a very valuable ose Many of the paintings are undoubtedly original epecimens of some of the gront manters. The ongrarings fill. 520 folio volunes, and there is a numerous collection of drawinga. The books also form a rich library. The pictures bequeathed to the University by Mr. Blesman are now placed in the Fitzwilliam Musoum; as well as varioun other pictures, statuee, models, books, mauuscripts, \&c., which have been presented to the University.

The following are the colleges of this University; with the date of fonndation and a few othor particulars:-

St. l'eter's College, commonly called Peter House, the most ancicut collage or hall in Cauubridge, was foutdal in 1257 hy Hugh N. Balshau, bishop of Ely, for a master and 11 fellows. Besides the 14 fuundation fellows, there are 10 bye-fellows, and 62 scholarships The building of St. Peter's College are not remarkable for arehitestural beanty. A now wing was alded a fow years back by the Rev. Francis Giabome, who also founded two bye-fellowships and four scholarshipe Cardinal Beaufort, Colonel Mutehinson, the celobrated pariamontary officer, Gray the poet, and Jeremiah Markland the critic, are among the eminent men educated at St. Peter's College.

Claro Hall was founded in 1326 by Lady Elizabcth, sister and co-heir of Gilbert, earl of Clare. The present society consists of a master, 10 senior or foundation fellows, 9 juuior, and 3 bye-fellows; and about 50 echolars and exhibitioners. Geoffres Chaucer was, it in maid, a student of Clare llall. Archbishop Tillotson and John Parkhurst are among its eminent men.

Pembroke College was founded in $134 \%$ by Mary de St. Paul, the widow of Aymer do Valeuce, carl of Pembroke, under the name of Valence 3lary. There are 14 foundation aud 2 bye.fellows, 90 scholan, and severnl exlibitions, chiefly for students from Christ's Hospital, London. Spenser, Cilbert Harvey, and Crashaw, the pocts, Ridley the martyr, and William Pitt are among the eminent men of Pemuroke Collegc.

Gonville and Caius College, originally atyled Couville Hall, was founded in $13: 8$ by Ridmuud Gonville, for a master and three follows. The college was in 1353 removed to its preseut situation and much aldod to by William Bateman, bishop, of Norwieh, who is considered it necond founder. lint it was ro-founded under a royal charter in 1558 by John Caiun, MLD, and catitled Gonrille and Caius College. It is commonly known as Caius College. It has uow 29 fellowships, 42 scholarships, and 20 oxhibitiona, William llarvey, the discoverer of the circulation of the blood, Pinhop Jeremy Taylor, and Dr. Smauel Clarke are among the eminent echolara of Caius Collegc.

Triuity liall wan fouuded in 1350 by Willinm Batemnn, binliop of Norwich, but bas boen largely indebted to subsequent benefactorn There are 13 follownips and 15 scholsmhipa. Four law scholarshipe were catablished by the college in 1849 . Trinity Hall is wore particulariy appropriated to the study of the civil Isw.

Corpus Clarinti College was founted in 1351 by two Guilds in Cumbridge, namod 'Gilda Corporin Chrinti' and 'Gilda Beatw Marix Virginis ' There aro 12 felloweltipe and 59 acholarships. Among the treamrea ponesesed by thim college is a remarknbly fiue collection of manuecripta len to the college by Archbishop l'arker. The principal part of the college buildings in modern. It was orected from a desigu by Wilking. Arehbinhops Parker, Tenison and 11erring; Sir Nicholas Becon and Fleteher the dranstic poot are among the more emincut of the acholars of Corpus Christi.

King'a College wan founded in 1441 by Meary V1, about which time he aloo funvied and endowed Eiton College. Tho society of Klog's College consinta of a provont aud ro fellowe and acholare ; the recancies in the scholarnhipu being supplind by a regular mucceasion from Fiton. "Some peculinr privileges appertain to King's. Tho provort has aboluto euthority within the procincts, and by apecial
cumporition betweeu this wocioty and tho univenity iln andergrimatom ano excrapt from tho power of tho proctors and uthor univemity ulleers within the limite of the college: mad thoy aro in un way exnuined by the unlverwity" for their Mechelor of Arta" dugroe." ("University Calendar.') The whole of the buildingn, den, of Kiug's College are ou a neale of great grandour. The chapel in the fineat gothie buildiug iu Cambridge, and the finent of its kiud in oxisteuce. It is the standarrl exanple of the perpoodicular atyle. The extrene leugth of the elaspel is 816 feet; the breadth 84 fecto The stone-vaulted roof, Fis feet high, is unmupported, save by the walls. The building in lighted by 26 widdow, each moarly 50 foet high, and fillod with stained glase. The erection of the clapel was connmencel by llenry VI. : the architect appears to lave beon one Close or lilaus, the father of Nicholas Close, hishop of Lichfield. The remniuder of the buildings are mostly of more receut data. The hall, sereen, \&c., were constructed from the designs and under the superintandence of Mr. Wilkins; they were intended to accord with the chapel in style, but ano wholly unworthy of it. Sir Francia Waluingham, Sir Wiilban Temple, Sir llobert Walpolc, and Jiehop Pearson arv among the eninent mon who have been educated in King's College.

Queun': College was fonaded in 1446 by Queon Nargaret of Anjon, consort of Henry V1., and rafounded in 1465 by blizabeth Widville, consort of Edwand IV. There aro besides the president 20 fellown and 21 scholars ou the foundation. Thomas Fuller, the anthor of 'British Worthics,' bolouged to Queen's Collegc.
St. Catherine's Hall was founded by Dr. Robert Wodclarke, chancellor of the Unirersity and prorost of King's Culloge, in 1473. Thec society consists of 14 fellows and bye-fellows, and 43 scholars. Archbinlop Sandys, Dr. John Liglitfoot, aud Ray the botanist were students of St. Catherine's 1 Mall.
Jesus College was founded in 1406 by Joln Alcock, bishop of l:ly: There are 16 fellowships aud 10 scholarships and exhibitions. The buildings are pleasantly situated aud very iuteresting. Tho chapel, the mont attractive fenture of the college, is of the 12th century, but has been altered a good deal at differeut times. It was tho chureh of the nuunery which occupied the site of the collegc. Arehbinhop Cranmer, I'lamstced the astromomer, and the poet Coleridgo are among the more famous men of this colloge.

Christ's College was origizally founded uy Heury VI, under the name of God's llouse; Lut in 1505 Lady Margaret, couutess of Nieh. mond and Derby, mother of Henry V11., incorporated tho formur society and chauged the uame; at the samo time endowiug it liberally for the mainteuance of a master, 12 fellows, and 17 scholars. The present society consints of a master, 15 fellows, and 54 scholans, There are besides about 38 cxhibitions, most of which are temable by the foundation scholars. Bishop Latimer, Arehbishop Bancroft, Henry $310 r e$, and Paley are among the emiuent men of Christ's College: but the inost famous of its scholars is Johu Milton. The collega possesses seperal relice of tho great poet. In the ganden is a mulherrytree which is affirmod to have been planted by him.

St. John's College was founded in 1511 by Lady Margaret, connters of lichmond, the foundress of Christ's College This, after 'Trinity, is the most important collcge of Cambridge. The present society consists of the mastor, 57 fellows and 114 scholars. There is a conssiderable number of exhibitions. Tho buildings consist of four catensive courts, three of which are aveient, while the fourth or new court is of recent data. The New Cout was constructed from a desigu by Rickman. Among the eminent men of this college nany be named Cecil, Lord Burleigh, the Lord Keeper Williasus, and the colebratod Farl of Strafford ; Ben Jonson, Otwny, and Matthew Prior; Cave the ecclesiastical historian, and Richard Bentloy the famous critic.

Magdalene College was founded iu 1510 by Thonmes Baron Audley. There are 1 fou udation nud 13 bje-fellowahipa, and is scholarahips. The college possesses a very valuable aud curious library hequeathed to it by Samuel Pepys, who was a stadent of Magdalenc.

Trinity Collcge was originally ondowed by Henry V111, out of the funds of some suppressed religious houses, and afterwanls augmented by his daughter, Queeu Mary, for maintaining a master, 60 fellow, audedy scholars. It occupien the sito of several aucient halls aud hostels, and is by far the most maguificoat establishnucut iu Can. bridge. Tho master is appoiuted by the cromu. The buildings comprise three rery spacious qualrangles and one of amaller size. The chapel and the hall are the most remarkable of tho old buildinge. The libmary, designod by Sir Christopher Wien, is tho most intereatiug of the more inodern buildinga: it is a uoble room, of its kind perhaps unsurpansed; and it coutains a splendid collection of books and manuacripts. The master's lodgo, an cxtenaivo edifice, is tho official resideuce of the sovereign when visiting Camhridge. The walks of Triuity are very beautiful. Among the eninent inen of Trinity are Bacon, Newton, Barrow; the celuhrated liarl of Eiasex, Sil Edward Coke, Donne, Herbert, Dryden, Cowley, Marrell, and Byron.

Emmanuel College was founded in 1584 Uy Sir Walter Mildmay, Chancellor of the Fixchequer and Privy Councillor in the reign of Queen lisizabeth. Thero aro 15 fellowships, about 50 meholarshipe, besides soveral exhibitions. Tho buildings, which are mowtly modern, nre ueat and spacious. Bishop Bedell, Ralph Cudworth, Jowhta Barnes, and Dr. Samucl Part aro among the cminent men of Emmauuel.

Siduey Sussex College wrss founded in 1593 by Lady lrauces Sidney, countess of Sussex. The present socicty consists of a master, 12 fellows, and 26 seholars. There are several exhibitious. Oliver Cromwell was a student of Sidney Sussex College.

Downing College, the most reeent in the University, was founded by Sir George Downing, who bequeathed funds for its endowment in 1717: but it was not till 1800 that the University ohtained an order from the privy council empowering the establishment of tho college. Eventually tho college is to consist of a master, two professors (one of the laws of England, and onc of medicine), 16 fellows, aud 6 scholars. At prasent only the master, professors, and three fellows are appointed. The appoiutment of the remaining fellows and the scholars is reserved until the completiou of the buildings. The college was opened in 1821. The buildings are to consist of a spacious quadrangle. Two sides only of this quadrangle are completed: the cost was upwards of 60,000 l. They were designed by Wilkins and are in a co-called Greek style, hut are by no ineans a favonrable example of architcctural tastc.
(Camden, Britannia, edited by Gough; Ljsons, Magna Britannia; Fuller, IIistory of the University of Cambridge; Dyer, IIst. of University and Colleyes of Cumbridge; Carter, C'umbridge; Memorials of Cambridge, by T. Wright, aud II. L. Jones; Deighton, Cambridge Guide: Cambiulge University Calendar, se.)

CAMBRIRIDGE, Massachusetts, Uuited States, a city and the capital of Middlesex County, is situated in $42^{\circ} 23^{\prime}$ N. lat., $71^{\circ} 8^{\prime} \mathrm{W}$. long., distant 3 miles N.N.W. from Hoston, with which it is counected hy bridges and by railway across Charles River: the population in 1850 was 15,215 . When fouuded by the New England settlers this place was called New Towu; but after the founding of Harvard college the town received its present name, in complimeut to the English University of Cambridge. For particulars in refereuce to Harvard college, now university, we refer to the article Boston. Mount Auburn cemetcry, which is sitnated at Cambridge, is also noticed nuder Boston. The city posscsses an observatory and several fine public buildings. A weckly nersspaper with several monthly and quarterly literary journsls aro published in Camhridge. The first priating esecutec in British America was performed at Cambridge in 1639, with an apparatus sent from England in the preceding year by the Iev. J. Glover, a Dissenting minister. The first thiug printed was 'The Freeman's Oath;' the secoud was an almanac. The first book that issued from the Camhridge press was a versiou of the Pwalms in metre, printed in 1640 . In 1663 an edition of the Bible, translated into the lndian language, was printed. Cambridge was for thirtyfive years the only placa in New England in which printing was carried on.

CAMBRIDGESHIRE, an inland county of England, lying between $52^{\circ} 1^{\prime}$ and $52^{\circ} 45^{\prime} \mathrm{N}$. lat., $0^{\circ} 31^{\prime} \mathrm{E}$. and $0^{\circ} 16^{\prime} \mathrm{W}$. long. It is of an irregular ohlong form, hsving its greatest leugth about 51 miles, and its greatest breadth 32 miles; and is bounded N. by Lincolnshire; E. by Norfolk and Suffolk; S. by Hertfordshire and Eissex ; and W. by Bedfordshire, Huntingdonshire, and Northamptonshire. Cambridgo, the county town, is 48 or 49 miles in a direct line N. by L. from London. The area of the county is 893 sqnare miles, and tho population in 1841 was 164,459 ; in 1851 it was $185,405$.

Surface, Ifydroyraphy, and Communications.-The whole northern part of the county and a considerable part of the ecntre are compreheuded in the vast tract of fen-land known as the Bedford Level. The inclosures in this part are chicfly formed by ditches, and tho country presents fer trees except pollard willows. The towus and villages are on spots which rise ahove the general level of the fens, and the eliurehes crowning these slightelevations may be diatinguished at a considerable distance. To these iusulated eminences the deaignation of 'ey' (island) appesra to have been applied; aud hence Thorn-ey, Whittles-ey, Rams-ey (IIuntingdonshire), and other places, derise part of their name. The designatiou of 'the Islo of Ely' was at first restricted to the insulated eminence on which Ely stauds, though it has uow a much more extcuded signification. Tho southern part of the connty has geutly-rising hills, with some wood in the parts bordering on Suffolk. The Gogmagog lills, south-east of Cambridge, are the highest in the county. Coach and Horses hill, or Orwel liill, south-west of Cambridge, is about 302 fect above the level of the sea; and Malinglcy hill, west of Canbridge, 238 feet.
The chief rivers of the county are tho Neue and the Onse, with its tributaries the Cam, Lark, \&c. The Nene has ouly the lower part of its course in this county, the border of which it touches just below Peterborongh, where it is divided, and flows in three channels. One arm, under the name of Catswater and the Shirc Drain, winds to the north-east and forms the houndary hetween Camhridgeshire on the one hand and Northamptonshire and Lincolnshire on the other. Another arm, under the names of Whittlesey Dyke and the Well Creek (or the Old Nene River) passes to the east by Whittlesey and March, and joins the Ouse at Salter's Lode Sluice. The third arm (Morton's Ieam) proceeds in a tolerahly direct line east-uorth-east to Wisbosch, and from thenco north into the Wash. The Shire Drain joins this just at its outfal. The natural channel of the river can now hardly be distinguished, , wo mnch has the river become connected with the immense system of artificial drainage and navigation carried on in this part of the country. The Ouse first joins this county below St. Ivcs, and winds north-enst to the Ifermitage Sluice, dividing

Huntingdunshire from Canbridgeshire. At Hermitage Sluive the river in its natural course turns to the south-east, and again gradually to the north-east, receiving the river Can. It then passes the eity of Ely, below which it is joined by the Lark. From the junctiou of the Lark it flows north-east for a few miles, receiving the Little Ouse from Thetford and Braadon; at this point it leaves Cambridgeshire and enters Norfolk, throngh which county it flows northward till it enters the Wash below Lynn. From Hermitage Sluice a navigable cut, ealled the Nerr Bedford River; runs north-east in a direct line aeross Cambridgeshire into Nortolk, after enteriug which it joins the Ouse at Denver Sluice, where the Old Nenc Liver also joins the Ouse. Tho natural channel between Hermitage and Deuver Sluice is now only navigable, or at least is only used for navigation, so far as is requisite for the navigation of its tributary streans, the Cam and the Lark. A canal from Wisbeach to the Old Nene River couneets the navigation of the Nene and the Ouse.

The Cam, or Granfa, is formed by the junctiou of several small streams which rise in Essex, the principal one of them risiug between Saffron Waldon and Dunuow. From Camhridge, where the navigatiou commences, the Cam runs north-north-east and falls into the Ouse about threc miles aborc Ely. The Lark, navigable as far as Bury St. Edmunds, properly belongs to Suffolk. It separates that county from Cambridgeshire for about seven miles from its junction with the Ouse; and the Kennet brook, a feeder of the Lark, forms the boundary between these two counties about seveu miles hefore it falls into the Lark.

The canals of these counties are not numerons, except those connected with the fen distriet, the principal of which have been already noticed. [Bedrord Level.] There is a canal from the neighhourhood of ILamsey, Huutiugdonshire, called the Forty Foot, or Vermuiden's Drain, to the Old Bedford River, which is a cutnow scarcely; used for navigation, parallel to the New Bedford River. There are navigahle cuts from the Ouse to Soham and Reche, and a canal running nearly north and south (the London and Cambridge Junction Canal) connecting the Cain below Camhridge with the Stort (at Bishop Stortford) aud the Lea, and ultimately with the Thames. There is a hranch from this canal at Great Shelford to Whaddon, between Royston and Huntingdon.

The chief coacl roads are those from London to York and Edinhurgh (the Great Nortb Road), to Norwich by Newmarket, aud to Cambridge ; from Cambridge to Huntingdon, Newmarket, and Lynn; and from the Great North Road by St. Ives to Wisbcach. Tho Great North Road enters the connty at Roystou, 38 miles from London, and traverses it in a direction about north by weat throngh Huntingdonshire. The road from London to Cambridge through lRoyston turns off from the Great Nortl Road at Royston and runs northeast to Cambridge, ahout 13 miles. Another rond to Cambridge, branching off from the Great North Road at Puckeridge in Herts, enters Cambridgeshire near Fulmere or Foulmire, and unites with the road through Royston at Hawkston, abont five miles short of Cambridge. The Norwich and Newmarket road enters the county just beyond the village of Great Chesterford, about 46 miles from London, and runs north-east to Newmarket, and finally quits the county to enter Suffolk abont five miles heyond Newinarket and 66 miles from London. The north part of the county is traversed by a road which hranches off from the high North liond just where this leaves Cambridgeshire to cuter lluntinglonshire, and runniug north-northeast through St. Ives, reenters Cambridgeshire at Chatteris' Ferry, runs through March to Wisheach, and to Holbeach, Spalding, and Boston in Lincolnslnire. There are several other roads in the county.

The Yarmouth branch of the Enstern Counties railway enters the southern border of Camhridgeshire near Great Chesterford, runs past Cambridge to Ely, where it turus eastward and soon after quits che connty. But the East Anglian line continues the railway communication uorthwarl to King's Lynu. From the Eastern Counties line a brauch belonging to a separate company divcrges at Chesterford to Newmarket. But the Newmarket line, although completed, is at present closed : the receipts not having been found sufficient to meet the working expenses, and the affirs of the company being in confusion. From Camhridge there are braneh lines eastward to Newmarket, aud north-west to St. Ives and Huntingdou: from St. Ives the line is continued northward to March, re-eutering Camhridgeshire near Chatteris. From Ely a line which is wholly in this county is opeuto March; from March it is continued westward to Peterhorough, and northward to Wisbeach. A branch of the Great Northern railway leaves the main line at Hitchin in Hertfordshire, aud proceeding north-east passes Royston and joins the Eastern Counties line at Csmbridge.

Geological Character:-The south and south-eastern parts of the connty are oecupied hy part of the great chalk formation which cxtends, within the limits of Caubridgeshirc, from Newmarket heath to Royston : it forms the mass of the Gogmagog hills, south-esst of Cambridge, and of the Royston downs, which are connected with the Luton and Dunstable downs (Bedfordshire), and by them with the Chiltern hills (Bucks). Thero are also in Cambridgeshire two masses of this chalk detached from the priucipal mass-the Coach and Horscs hill, near Orwel, south-west of Cambridge, and Madingley hill, west of Camhridge. The chalk of Cambridgeshire consists of

Swo rarictien the upper containing an sboudance of the counmon Gloek fint, and the lower or gray chalk, which containa little or none. The upper to fousal in the eoneb-ant part of the county: tho lower chalk form the principl hille, and occupies the north-west part of the chalk range. The ohalk le furrowind tranrvereely by the depremion through which the Lowdou and Canluridge Junction Canal passes, and which erparaten the Goganago lills from the IRoyston downe. The distriet northent end enet of Cambritge is the nont level chalk divtrict in Ingland; ite fatace alone gires importance to the otherwine inoonsilerable eminences of the Gograagog hills. The chalk distriet of Cambridgeshire dipe gently to the eouth-anst Tho chnlk resta upon a blac elay, called in the county 'galt, which je considered as a rariely of the chalk-marl forruation that crops out from bencath the north.wentern boundary of the chalk. This formation occuples a coeslderable extent of mirface, extending to the boundary of II untingdombire and Melfordshire; its thicknem in variable, averaging perhrpe 200 or 220 foet. It is nearly imperrions to water. In a fow pleces the iron-sad, which nnderlies tho galt, rises to the surfacc. It forms excellent garden ground. Throughout the whole of this formation many fragments of mineralised wood are found; when dry ther crumble into a fine powder, but when moist and fresh from the earth and definite in form, and have the bark in the utmost state of preeerration. The wbole of the northern part of the county is overapread with the fens [BEDFORD LAEVEL]; the greater part of which in lis county is comprehended in the Isle of Fily. The marshes sonth of the Old Ouse, about Soham, Wicken, and Reche, are not included in the Into of Ely.
Surface, Soil, Climate, dec.-The soil of thin county is extremely rarious, consisting of clay, loam, and chalk, both iu the uplands and the fens Although there are some poor commons and heaths, the greater part of the laud is fertilc. In some spots called white land, which have chalky subooils, great crops of wheat and beans are raised. The Burwell wheat is in great request for secd in many parts of England, and the chceses of Cottenham indicato considerable richness in the pusturea. The chinate in the uplands is mild and healthy, but in the fens agues and fevers premil when the wnter has evaporatod and lunt the land In a half-dry state. In proportion as the fens are drained and the land is cultivated, the air becomes more healthy. Tho upland district is sufficiontly raried to afford good situations for residencen; but until the beginning of this century avery small proportion of the land was inclosed. Duriug the last thirty years many common-ficlds, heaths, and fens have been inclosed. Many of these incloanres have taken place under apecial Acts of Parliament. Tho rillngen were mostly situated in hollows, between gentle elcrations, whore the soil was naturally most fertile; and being seattered through an open country, with their mall inclosures and orchards, presented inmlated green spots, which formed astrong contrast with the surrounding open felds entirely deatitute of trees. The fou district is a dead flat intersected with ditches, canals, and sluggish streams. The soil connlits of und inixed with docayed and half-decayod regetable matter. When the superfluous water has been remored, is soft spongy surface is left, which is anuch improved by burning. The ashcs thus produced by being mired with tbe soil greatly enrich it, and the most Inxuriant crops are oltainel wlthout any other preparation. When a judicious rotation ls adopted, and the ground is not too much exhausted to be restored by proper manures, this land, which is reelained from a state of comparstive unproductiveness, becomes very raluable. The fons, where they have not beeu brought into cultivation, produce turf for fucl, and reeds and nedges for thatching and Ilghting fires. Osier-beds are likewiso formed in some places, and give good return. By the introduction of sainfoin on some of the thin clanlky lands, a soil naturally unproductive now auports a great quantity of cattlc and shcep, nud also bears good crops of coms after having been some jears in grass. By judiclous surface-draining many woils in the county now too wot to bear tnrnipe or to allow heavy cattle to be depastured upon them in spring or autumn, wonld become dry and wound; and the water being carriod off by the drains, would not stagnato below the aurface and keep the ground in a soft witate, equally prejudicial to the growth of all plants not usually found in manhice, and to the cattle and sheep depastured ou them. A convertlble hnsbandry might then be Introduced, the expenses of cultivation mnch ditninishod, aud the produce greatly increascd.
Divisions, Tonons, dec.-The divisions of Cambridgeshire have undergone little change since the Domenday Suryey. We subjoin a list of the prosont bundreds, giving also their situntion in the county, and their meient nmmes:-Wisbeach, Witchford, Fly, occupy the northern half of the county, and correapond to the two ancient hundreds of Fly, Staploo (E) Staplehou Chereley (E.)-Chavelai. ITadGeld (3.E.)-IRdefelle. Chilford (S.E.)-Cildeford. Whittlesfond (S.)Witeleafeld. Triplow (S.)-Trepelau. Armingforl (S.W.) Eraingforl. Stow, or Long Stow (S.W.) -Stou. Papworth (W.)-Papeword. North Stow (central) -Norestou. Chesterton (central)-Costrotone. Wetherly (central)-Wederlal. Fendish (central)-Frnmindic, or Flumidinc. Staine (central)-Stanes. The county itnelf is called in Uomeaday Survey Grentebrigescire. In that aurvey the town of Combridge is tared as a bundrod.
Holdee the county town, Caybardor, thif county line ovo city,

and Sobam; Nifwharker, partly in Suffolk; and Rorstos, partly in Ilertfoninhires Sioveral uther placon formorly lad markets ; that at Whatrlinery has loon climed for about fify yoars; it scoms to have boen held by grewcription. For notices of these towne wo refer to thelr renpective articlon. We subjoin a brief notico of the decayod narket-Lowns and somo of the more conviderable villagem, with tho populatiou of their meveral frarinhos is 1851.

Abington Pigotts, or Abington-in-the-Clay, 12 miles $\mathbb{S}$.W. from Cambridge, population 238, had formerly a market ou Fridays It is uow a place of no importance. There are two other Abingtons in the county. Abington, Great, on tho river Oranta, 8 mile S . Fí frum Cnmbridge, population 881, has na ancient church and a Frec achool for girls supported by '1'. Mortlock, Eisq. Abington, Little, the adjoiniug parish, populatios 307, las no ancient church, with nome intereating featuren, of early English date. The lilng' Amms, Bonrne Bridge, in this parish, was a celeurated posting houso on tho Newmarhet road previons to tho oponing of the railwayn. Balsham, 10 miles E:S.S.E. from Cambridge, population 1852, belongs to the governors of the Charterhouse, London. The church is modern ; there is a Dissenting chapel; also an Infant achool. Barrington, on the left bauk of the Rhon, 7 milem S.S.W. from Cambridgo, population 590 , had anciently a tuarket ou Mondays Tho clurch is partly of carly langlinh date. The Independeuts have a chapel here. Therc is a National sehool. Bassingbowrne, 13 miles S.W. frou Caubridgc, population 2149, had formerly a market on Mondays, whicls was origiually granterl by Ilenry III. ; also a fair at the festival of St. Peter and St. I'anl which lasted for eight days; but these lare been long discortinuod. The church, which is ancicnt, contains several good monnments. Roystu:1 Union workhonse is in this parish. Bourne, about 12 miles W. frous Cambridge, population 945 , has a large church partly of carly liuglish date. The mansion of Liarl Delawarr, a haudsome modcra structure in the Elizabetban style, is in this parish Burwell, 11 milcs N.E. from Caubridge, populntion 2187 , is a very extensive parish. The village of Burwell with the connceted haulcts of Hightown, Nownham, and North Street, extends for nbout two miles. The church is a very handsome building of the perpendicular date and atyle, with wiudows of large size, and containing very elegant tracery. In the church are some good monuments. There are some remains of an aucient castle. Caxtos rad Caesterton boing satg of Poor-Law Unious will ho uoticed in aparato articles. Chatferis, 24 miles N.N.W. froin Cambridgc, population 5138 , is a very largo and populons village, bnt has no fenture of general interest. Besides the church there are Dissenting cbapols; also a National and a Britich echool. Cottenhan, 7 miles N. from Cambridgc, population 2314, has a fine cbnrel of aucinnt date, with a lofty tower surmounted with pinnacles. The Wesleyan Methodists, Independents, and Baptists have placen of worship. There is an Iindowed Free Grammar school. Thore are soveral parochinl charities Doddingpon, 30 miles N . by W. from Cambridge, may be noticed as the largest parish iu the county, and the richeat bencfice in the kingdom. The prish contains 30,985 acres of rich and fertilo land; the living, a rectory in tbe gift of the Peytou famils, is returned at $7306 \%$ a year: the population of the cntire parish, which includen tbe chapclries of Benwick and March aud the liamlet of Wimbliugton, was 9703 in 1851; that of Doddington itself was 1454 . Here was formerly one of the palaces of the bisbops of Ely. An lindorred Free school for 28 boys, founded in 1696 , hal an income from endowment in 1837 of 1751 . ; but no return has been obtained in reference to the present state of the school. Douenham, or Liffle Downham, Isle of Eily, 17 miles N. from Cambridge and 8 miles from Fly, population 2299, has au ancient church; Wealeynu Mcthodist and Baptist chapols; and a Freo school. The iuhabitants arc chiefly ngricultural. Iu Downham Park are some ranaius of the palace of Bishop Cox; they are now uwed as barus Duxford, 9 miles S. by kis from Cnenbridge, on the west side of the Eastern Counties railway, population 844, contains two churchen, and has several parochial charities. Iu Duxford aro the remains of a monastery, part of which is now used as an inn, part as a barn. Fin Difon, on tho Cam, 26 miles N.E. frous Canbridge, population 555, has an ondowod Frec achool and a National achool. Tho chancel of the church is nu interesting cxample of the decorated style. Forlham, 16 miles N. Fi. from Cambridge, population 1584, is a largo but quiet and uninteresting village. Parton, 7 milem S. by W. from Cambridgc, population 459 , had formorly a market and two fairs; one fair in now held at Imster. The church is of perpendicular dato and stylc. Fulbourne, 6 miles E.S.LS. from Cambridge, population I452, includea the two parishen of All Saints nud St. Vigora The churcbes of both parishes stood in tho mamo churchyard till I\%10, when that of St. Vlgors having become mnch dilapidated, it Was takcil down under the authority of a ppecial Act of Parlianent. St. Vigorn' church is of the early Englinh and perpendicular atylen. It contains some interesting ancient inonuments aud hraswas, aud a wooden pulpit, believol to be of tho l4th century, and one of the oldest in the kingilorn. There is a Free school in the village. Gam. lingay, on the border of Jedfordshire, nbout I4 ruilen W.S. WV. from Cambridge, population 1886, was formerly a markct-town, but is now an uuimportant village. The parish is rery largc. The church is a bandsome structurc. Grantchester, 2 miles S.S.W. from Cambridge, population 685, is by some antiquarice mupposed to be the Camboritum of Autoninus; othern ruppono that the Roman town stretched
from the present town of Cambridge to Grantchester. The village contains a National school. Haddenham, in the Isle of Ely, 13 miles N. by W. from Cambridge : population 2118. The church, a handsome building of the perpendicular styIe with a very Iofty spire, stands on an eminence and is visible for a considerable distance. The WesIeran Methodists and Baptists have places of worship. The Free school, founded in $16 \pm 2$, had an income from endowment of $76 l$. a year, and had 57 echolars in 1851. Histon, 4 miles N.N.W. from Cambridge : population 1011. The church, which is small, is of the early English style, with later insertions. There is a Wesleyan Methodist chapel. There is an endowed Free school, for which a new school-house has been erected within the last few years. Isleham, ou the border of Suffolk, 20 miles N.E. from Cambridge, population 2236, has a neat gothic church, a Wesleyan Methodist, an Independent, and two Baptist chapels; slso two Free schools. Kingston, 8 miles S.S.W. from Cambridge, population 315, had formerly a market and two annual fairs; it is now a poor village. Leverington, 44 miles N. from Cambridge, populatiou 2143 , is an agricultural village of no particular interest. In the church is an excellent latten lectern. Lillleport, in the Isle of Ely, 14 miles N.N.E. from Cambridge: population, with the hamlets of Old Bank and Apshall, 3832. Littleport has a very handsome church with a lofty tower; a Wesleyan and a Primitive Methodist and two Baptist chapels; also a National school. The inhabitants are chiefly dependeut on agriculture. Long Slanton, 7 miles N.W. from Cambridge, population 634, contains two churches: St. Jichael's, a rude structure of early English date with a thatched roof, and All Saints, a rather handsome gothic building with a lofty tower and spire. In the village is a National school. Long Stanton was the seat of the Irtton family from a very early period until recently. The noble Elizabethan manor-house has been most part pulled down to make way for a new and smaller mansion. The ljiahop of Ely had a palace hero in which Queen Elizabeth was entertained. Melbourne, 10 miles N. by W. from Cambridge: population 1931. The church is a handsome edifice of the decorated style, aud contains some good monuments. The Independents and Baptists have places of worship; there is a National school. Oakington, 5 miles N.W. from Cambridge, population 694, has a very excelleut gothic church ; a Raptist chapel; aud a National school. Sawston, 6 miles S . by W. from Cambridge and 1 mile from the Whittlesford station of the Eastern Counties railway, population 1124, was formerly a market-town, and the vestiges of the market-cross are still standing in the ceutre of tho village. The church, which is very spacious, is partly of the Norman date, with windows of the decorated period, which with varions details, and the monuments in the interior, are of much interest to the archreologist. There are places of worship for Roman Catholics and Iudopendents; also almshouses and other parochial charities. Sawston manor-housc, a picturesque old mansion, Was erected in 1557 by Sir John Huddleston, with tho matexials of Cambridge castle, given to him by Queen Mary. Shelford, Grcal, $4 \frac{1}{2}$ miles S . from Cambridge : population 1038 , including numerous labourers employed ou railway works in progress. Tho church is of the perpendicular period, and contains some good brasses. There are a place of worship for Baptists, and National and British schools. Extensive flour-mills are in the parish. At Great Shelford is a station of the Eastern Counties railway which is largely used for the conveyance of agricultural produce. Shelford, Little, adjoining Great Shelford : population 580 . Tho inhabitants of both parishes are dependent on agriculture. Stretham, Isle of Ely, 11 miles N. from Cambridge : populntiou, with Thetford hamlet, 1597. The church is ancient; near it stands a stone pillar. The houses in Stretham are mostly new, a fire haring destroyed the greater part of the village in May 1844. Sulton, Isle of Ely, 18 miles N. from Cambridge: population 1814. Tho village consists of one loug street; the inhabitants are wholly agricultural. The church, a spacious edifice partly Norman, has two towers with pinnacles, and a spiro. The Wesleyan Methodists, Baptiste, and Quakers have places of worship. The village stands on an eminence, and commands extensive views. Swavesey, 9 niles N.W. from Cambridge, population 1335, formerly posseased a market and a fair. The church originally belonged to a monastery founded here before the conquest; it is chicfly of the decorated style, of which it is a good examplo. There are chapels for Baptists and Uuitarians; National and British schools; and some parochial charitiea Triplone, or Thaiplow, 10 miles S. from Cambridge, population 521, has an ancient church; a Dissenting meeting-house; and a British school. Triplow heath wan for awhile the head-quarters of the parkiamentary army commanded by Fairfax and Cromwell. Trumpington, 2 miles S. from Cambridge, population 771 , is a sort of suburb to Cambridge. The church is an excellent specimen of the decorated style. Many portions of it aro very besutiful ; and there are several mouuments of much interest-smong others a brass of Sir Roger Trumpington, a crusader, who died in 1288, the oldest incised slab known with the exception of one at Stoke D'A bernou in Surrey. In the village is a large mansion belonging to tho lemberton family. Waterbeach, an extensive village and parish, 5 inile N . by E. from Cambridge: population 1440. The church is partly of early English date. There are chapele belongiag to the Wesloyan Methodists and Baptists; an Findowed Free school; alnahouses, and other parochial charities. Sinco the opening of the Eastern Counties railway, which has a
station here, Waterbeach has considerably increased. Willingham, a large agricultural village and parish, about 10 miles N.W. from Cambridge : population 1604. The church is a very fine and spacious edifice partly of early English date, with a lofty tower, and a remarkably good wooden roof. A mortuary chapel has a stone roof of high pitch and of rather uncommon design. There are chapels for Wesleyan Methodists and Baptists ; an Endowed Free school for 30 boys; almshouses and other parochial charities. Wimpole, 9 miles S.W. from Cambridge, population 452 , is chiefly noteworthy as containing the seat of the Earl of Hardwicke. The mansion is a spacious brick building, the centre of which was erected in 1632 by Sir Thomas Chicheley; the wings were added by Lord Oxford; the chief apartments were fitted up by Lord Chancellor Hardwicke. In the picture gallery and principal rooms is contained a very valuable collection of paintings. The library is Iarge and valuable; and there is an extensive and important collection of state papers, now well known by the publication of a portion of them a few years back. Wimpole church was built by Lord Chancellor Hardwicke in 1749; it contains several costly monuments to the Hardwicke family.

Divisions for Ecclesiastical and Legal Purposes.-The county is, for the most part, in the diocese of Ely. The parishes are mostly in the archdeacoury of Ely; a few are in the archdeaconry of Sudbury. There are 165 parishes. By the Poor-Law Commissioners the county is divided iuto 9 Unions:-Cambridge, Caxton and Arrington, Chesterton, Ely, Linton, Newmarket, North Witchford, Whittlesey, and Wisbeach. These Unions include 173 parishes and townships, with an area of 538,303 acres, and a population in 1851 of 191,514; but the boundaries of the Unions are not strictly co-equal with those of the county. Cambridgeshire is in the Norfolk circuit. The assizes and quarter-sessions are held at Cambridge. County courts are held at Bourne, Cambitidge, Ely, March, Newmarket, Royston, Soham, and Wisbeach. The county returns three members to the Imperial Parhament; the borough of Cambridge two; and the University of Cambridge two. Cambridge is the chief place of county election. According to the 'Census of Religious Worship' taken in 1851 it appears that there were then 404 places of worship in the county, of which 176 belonged to the Church of England, 72 to Baptists, 57 to Wesleyan Methodists, 39 to Primitive Methodists, 5 to Wesleyan Reformers, 38 to Iudependents, and 17 to various smaller bodies. The total number of sittings provided was 104,546 .

Ifistory and Antiquities.-In the most remote period of British history Cambridgeshire appears to have been inhabited by the Iceni, a powerful nation. In the Roman divison of the island this county was included in Flavia Cæsarieusis. Several British and IRoman roads crossed the county: the Ikoneld and Ermine Strects are supposed to be British. Ikeneld or Icknield Street crosses the county from the ncighbourhood of Newmarket to the neighbourhood of Royston. For a considerable part of this distance it runs parallel to the road from Newmarket to London aud 2 little to the left of it Near the border of Essex it beuds to the right and ruus westward, just within the boundary of the county, to Royston; whence it gradually turns to the south-west, and runs towards Baldock, Hertfordshire. This ancient road has bcen in somo parts so far obliterated by the plough as not to be easily traceable, in other parts the marks of its course are evident. Ermine Street entered the county at Royston, and ran to the left of the present turnpikeroad to Caxton and Godmanchester near Huntingdon. A Roman road in the same direction kept nearly iu the line of the present turnpikeroad. The great Roman road (Via Devana) which connected the colonies of Camulodunum (Colchester or Maldon) and Deva (Chester) passed through Cambridgeshire, entering the county from Withersfield, noar Haverhill in Suffolk, and proceeding with bittle deviation from a straight lino to Cambridge, where it is supposed the Romans had a bridge, and from thence nearly in the line of the present turnpike-road to Godmanchester near Huntingdon. Other roads are still traccable or have been mentioned by antiquarian writers. Roman antiquities of various kinds have been dug up at Cambridge, Soham, Elme, near Wisbeach, and other places. The circular camp of Vaudlebury on the Gogmagog hills ; Arbury in the parish of Chesterton near Cambridge; Willingham on the edge of the fen; and the earth-works round the sitec of Bourne and Camps Castles, are probably of British origin. Vandlebury, from Roman remains found there, appenrs to have been afterwards occupied by the Romans; and Willingham was occupied and strengthened with new works by William tho Conqueror wheu he besieged the Isle of Ely. At Grent Shelford near Cambridge are the remains of a Roman camp; and a Roman embankment, conuected with tho works for draining the fens, extends some miles from Elme to Tyd St. Giles near Wisbeach. There are some remarkable ancient ditches in this county, as tho Devil's Ditch near Newmarket, running north-west and south-east for about 4 or 5 miles, and crossing the Loudon road; Fleamdyko, running parallel to it, at a distance of 6 miles; a third near Bourne Bridge, not far from Linton; and a fourth, a slighter work, near Foulmire, nearly in the same direction as the first two. The Devil's Ditch, the largest probably, and the most perfect, consists of a deep ditch and au elgvated vallum, having a slope of 52 feet on the south-west side, where the ditch is, and 26 feet ou the north-east side; the whole of the works aro about 100 feet in breadth.

In the wars between the Saxons and Danes this county suffered
neverely. About the year 870 Cambridge was hurat by the Daniela invaders; the monasterien of Fly, Solinm, and Thorncy were destruyel, and their lamate slaughtered. The firm attack of the barkariann on the Islo of Fily wan repuleet, but the accond was nuecomful ; many of the Saxon noblew who bad taken refuge there with their effecta became the pres of the invalers. In 875 , in the reign of Alfred, the larger portion of the Danish army was ponted at Cimbridgo, which land been rebuilt fingel an army formed of the Danem actiled in Finet Auglin ly Alfrel, surmendered at Cambridge to Filwand the Filer. In 1010 C'anbridge was again burnt by thu Danea, who were ravaging the country under their king Svein. When William the Conqueror invaded Eugland, the mout obstinate resintance which he experienced wae In the lale of Fily. Hereward lo Wiake, son of lecofric, lord of lirunc ( Buumo ) in Lincolnehire, had been banished In early life for his viulent temper, and having ajgralisel his valour in forcign parts, Whe in Flendem when the battle of Hesting wes fought in 1066 , Hewring that his paternal inheritance had been given to a Nerman, and hin mother ill-used, he returned to Fingland and commenced liontilities egvinet the usuruers of his patrinony. The Inle of Ely was his central etation, and he built on it a woorlen castle which long retained his name. William nurrounded tho lsland with lim fleet and army, aftempting to make a pamage through the fens by eolid roads In revne parts and bridges in others; and either awed ly the superstition of the times, or wimhing to make it subservient to hin intereste, he got a witch $t 0$ march at the bead of hin army and try the cffect of her incantatious agaiust Hereward. The Anglo-Saxen, no way dannted, set firo to the reeda and other regetation of the fons, and the witch and the tromps who fellowed her perished in the flames. The action of Herewarl became the theme of popular songs, and the Conqueror's own pecretary, Ingulphus, has penned his culogiunt. I uring hin Warfare ggainat the Normana hin camp was the refngo of the frieuds of Saxen independence: Morcar earl of Northumbria, Sligand archbishep of Canterbury, Ellgwin bishep of Durham, and othera repairel to him. The defence of the Isle lavted till 107 t , and the Conquerer penetratel at last only by virtuo of A compact with the menks of Fily, whose lauds beroul the islaud he had seized. lle remanl, unsubulued, contrived to make hin peace with the king, aliniued the reatorntiou of his inlacritance, aud died quietly in his berl.

In the civil wars of Stephen and the Empreas Matd, the bishop of $1: 1 r$, who supported the empress, built a wooden castlo nt Ely, and fortified the cnstle of Aldreth (in lladlenham parish), which appears to have commanded one of the appronohes to the Isle. The Isle then nud afterwards auffered much from the ravages of war, and from famine and pestilence. In the ciril war between. John and his barons the Iale was twice ravagerl by the king's troops, first under Walter do Bunck, nul afterwards about 1216 nnder Fulke de Brent and his conforlerates. The barons took Cambridge castle, and the king marching into Cambridgeshire did, as Holinshed expresses it, 'hurt enough;' lout on the king's retreat the barous recovered the Isle of Fly except one castle, probably that at Fily. In the troubles which marked the close of the reign of Henry III. the Isle was again the scene of coutest. It was takeu nad fortified by tho barons, who ravaged the ceunty and took aud planderel Cambridge. The Isle was retakeu by the king's son, afterwaria lidward 1., in 1266 and following years. In the eivil war of Charlen I., the county of Cambridge nupported the cause of the l'arlinment. The University adhered to the royal cause, and the heads of the Unirersity roted their plate to be melted down for the king's use in 1643 Cromwell took pessession of C'nmbridge, and the Firl of Mancheater being sent down, expelled the most eminent loyalista froun the University; in 1645 Cromwell was agnin scut to secure the Isle of Ely. When the king was eized by Cornet Joyce in $16 t^{\circ}$ the parlinmentary army was at Kennet, in this county, nenr Newmarket; but the king was conveyed by Cromwell's order to Childerley, near Cambridge, whero Cromwell and Eairfax visited him. On the gth of June in tho anme year the king was remored to N゙ewimarkeh

Of imronlal cantles this county ban bcarcely any remains: there are prose remaina of a castle in Cheveley Park and at Buriell, both sear Nowmarket; and earthworks, narking the site of castlen, at Fily, Bourne (between Cambridge and Potton, in Bedfordshirc), and Cuntle Campen, near Linton. Some old entrenchmeits at Swaresey neardi. Iven, callel tho Cantle, are probably the remains of a mansionhouse. Of Wisbonch Cantle and Bassiagbourne Castle, near loyaton, there are no remning. At Downham in tho Inle of Ely are ame retoaian of an ancient palace of the bishopm of Fily, and thero are mato oll manor-houmen, or remains of maner-hovsen, in different placen The principal monantle eatnblinliments in the county besides thone at and near Cambridge, Fly, murl Thorney, wero Anglescy J'riory of Auwtin eanons at Bottimharn, Letweeu Camhridge and Newmarket; Ifenny Abling on the elge of the fen for Nuns Minoremes and Shengay, limun of the Knighta Hospitallern at Wendy, near Hognton. Of thene there aro no remainm that call for notice. Of ancient eceloientical elificen tho mont ntriking are at Cambridgo and Bly, abd Thoraey and Whittlewey; lat- thero ame various others, parta of which will well repry the a:icntion of the wtudent of gothic architecture.

Camiridgrahire is almut eutirely an agricultural county, ranking
the nixtli in that reapect in Lingland. In 1531 there wero threw saring banks in Cumbridgeahire: at Canbridge, Fily, and Wisboneh. The total ansount owing to depantors on the 20th of Novomber, 1851, wra 180,056. 18.

CAMDIES. [Canoriva, Socth.]
CAMDFN. WALA, NEW SOUTH.]
CAMELFORD, Comwall, n markoltown and the meat of a Poor. Iaw Ünion, in the pariah of Lanteglos and lunadred of lecenewth, is situsted in $50^{\circ} 37^{\prime}$ S. Int., $4^{\circ} 10^{\circ} \mathrm{W}$. long. ; distant 12 milen N. by F. from lhodmin, and oes miles W.s. W. from London. Tho population of the parish of Lanteglos in 1851 was 1740 , of which abont onehalf belonged to the town of Camelford. The town in goresned by a mayor and corporation. The living of Lanteglos is a rectory in the archdeacoury of Coruwall and dioceso of Excter. Camelford PoorLaw Union containm 12 prishes and townahips, with an aron of $\$ 6,012$ acrea, and a populntion in 1851 of 7300 .

Camelford derires its naute from the river Camel or Alan which rises about four milus to the north-north-enst, aud flows through the town. Camelford was made a frew borough by llichard, earl of Cornvall, brother of 11 eary 111. and afterwards king of the Romann. From the time of bilward VI. the borough seut two members to 1'arlinancut till it was dinfranchieet by the Reforn Act. In Camelford are the ruins of an ancient chapel; the pariah church is at Larteglon, about a mile and a half from the town ; the Vicalcynn aud Associntion Methodints and Independents have places of worehip in the town. There is an Endowed Frecsehool for 12 boys. The strects are broad and well paved. The town-llall was built about the coanmencement of the present century by the Duke of lledford. A manufactory for serge cmpleys some of the inhabitauts. The market is on Yriday for corn and prorisions. A county court is held in Camelford. The neighbourheed of Cawelford is anpposed hy sume th have been the seene of the battle in which King Arthur fell, and of another battle feught in 823 betweeu the Britons and the West Snxens, under Eigbert. A considerable ameunt of rain falls at Cumelforl, from its proximity to high hills.

CAMEROON, or CAMAROENS, a river of Africa, which discharges itsolf into the bight of liaura and into the same rentuary as the Malimba, about 45 miles Jis from Fernando To. It lias a bar meross its month, with nn arerage depth of from 15 to 18 fect wator over it. Of this river little is known beyond a few uiles from the entrance. Like other rivers ou this coast, it Iras been long known to be n great mart for slares. Palus oil aud ivory are obtained here; the latter is cousidened very fine. Tho systeru of traffic is by larter. This river is separated from those to the westward by high land callod tho Camaroon Mountains, the highest peak of which rises to 13,000 feet abovo the sen, and is gonerally capped with anow. The name is derived from the l'ortuguese word for shrimp, of which there is a great abmalance. Each side of the river is governed hy a separato chief, whose fricudship must be purchased by prescuts beforo any traftic is commenced.

CAMPA'GNA DI 1RO'MA, the popular and historical nane of the most sonthern purt of the Papal Statos, cerresponding in a great meamure to the ancient Latimm, is bounded N.W. by the Tiber, which divides it from the Patrimonio di San l'ietro; N. by the Anio or Teverone; F. hy an offeet of the Apemimen, which divides it from tho valicy of the Liria or Gerigliano in the kiugdein of Naples, and which terminatea at the sea near Terracinn; S. nad W. ly the Mediterrauenn. The leugth of tho district thus designated from Ostia to Terracims is about 62 miles, and its greatest breadth from tho Apenniacs to tho scm is about 15 miles. It is divided into two regiens, the lowlands and the highlanda, ineluding the valley of the upper Sneco and part of that of the Tererone. The highlands connist of ramifications of the Apenuines; of the effset which divides the valley of the Tererone from that of the Sneco, the ancicnt Trorus, and oit which are the townn of Auagui, Palestrina, Nic.; of the Monti lepini (Volscerum Montes), which divide the valley of Sncco from the Pemptine marshes; and lastly, of the Alban and Tusculan hills which rise in tho middle of the plain, and separnte the luwlanels of tho Tiber from the l'ouptine marshes. Townrls the north the highlaula of Alba aud Tusculuen are connected by momo high ground townrds Fagarulo with the mountains of Palestrina, thns separating the waters which run enstward inte the Saceo and tho Jiria from those that run wentward into the Tiber. The Apernines and the Monti Leplui are mostly rugged and bare; the valley of the Teverane is healthy, and the population robust, though por; tho ralley of the Sncco is wide, fertile, and well cultivated. The Albars and 'ruaculan mounts are covered with trees, vincyarln, and gardens; the air in malubrioun, and the soil in many placen very fertile. Thome who talk of the desolation of the Cnmprigna seem to linve visited enly the lowlands to the right and loft of the high road botween Romo and Naples, nud that only in the nummer months; for "in the winter and carly part of the spring you see fieldn and pauturen decked in all the lixiury of a spontancoum vegetation, uamerous berdm of caltlo and fiock of sheep graving on the rich graso ; but an soon as the hot semson comes, a sudden change taken place in the appearance of tho country-regetation eensen-first a yellow, then a gray tinge covern the ground-the dustymil Inoks ns
if it were calcined by fire-the cattle migrate to the mountains-and the inhabitants disperse." (Tournon, "Etudes Statisques sur Rome.') The lowlands of the Tiher, which form the Agro Romano, or territory of the city of Rome, which extends on both hanks of the Tiher, and wbich is often confounded with tho Campágua, contaiu about 550,000 acres, of which about one-half is arable laud, tbe rest pasture and forest, and only ahout 6000 acres arc marsh. This territory is divided into farms of from 1200 to 3000 acres, somc however are much larger, as the celebrated farm of Campomorto which probahly contains not less than 20,000 acres. All the arahle land of this large tract is rented hy a small number of wealthy farmers $\pi$ bo reside in palaces in Rome and manage the estates hy means of fattori, or agents and clerks. It is evident that it is not the marshy grounds that causo the unwholesomeness of this part of the conntry. The surface of the soil is in fact undulating and dry, and slopes gently towards the coast; the malaria must he attributed to other natural causes. In Sir Wm. Gell's 'Topography of Rome and its Environs,' which is accompanied with an excellent map, cmbracing almost the whole province of the Campagna, with the exccption of the Pomptiue marshes, we find the following etatement:-"There are 242,000 rubhi of arahle land, 82,000 of which are considered to be in healthy districts, and tbe rest, being unwholesomc, are sown with grain only once in four or five years. Wheat returns abont nine to onc. The vineyards are 14,600 ruhhi ; pastures, 162,000 ruhbi ; orchards, 1400 ; roods and forests, 170,000 : in all 590,000 rubbi, or $2,360,000$ acres, besides rocks, sands, marshes, rivers, \&c., whicb occupy about 145,000 rubbi more. There are 700,000 sheep, 100,000 horned cattle, 4000 hnffialoes , and 35,000 lorses, besides pigs and goats." This statement however comprises also part of the adjoining provinco of the Patrimonio di San Pietro, on the right bank of the Tiber. The great plain between the south slope of the Lepini Mountains and the sca, which is known by the name of the Pomptine marshes, extends from Torre Tré Ponti to Terracina, a lengtb of ahout 22 miles hy 10 of hreadth; of this crtent only the lower tract, about 65,000 mhbi, is really marshy. Pius VI. drained 9000 rubbi which werc constantly under water. Of the whole extent of the marshy ground, one-third is eusceptiblo of cultiration; another third is in pasture, and the rest forest or marsh. The extent of the Campagma is about 2400 square miles, of whicb about one-half is unwholesome, and only inhahited by a pcrmanent population of about 15,000 . The total populatiou of the Campagna is 276,325 , exclusivo of the city of Rome, which in 1852 had a population of 175,838 .

The Campagua is divided into tro administrativo districts-the Comarca di Roma which is under the jurisdiction of the goverior of the city of Rome; and tbe delegation of Frosinone. Such towns in the Campagna as sre not noticed in separate articlea in tbis work are given nuder the heads Roma, Comauca di ; and Frosinone; ant the ancient geography of the district is given under Laticy.

The name of Campagna di Roma was adopted in the middle ages, to distinguish tho country from the neighbouring Campania, or Campagna Felicc, in the kingdom of Naples. The depopulation of the Campagna of Rome is often, though moat erroneonsly, attributed to Papal misgovernment; it is an historical fact that it was nearly as desolate in the time of Ciccro as it is now. Tho depopulation of the conntry dates from the early conquest hy Rome of the various people who inhahited Latium : the long ohstinate resistance of the latter, and especially of the Volsci, in consequence of which most of their towns were destroyed; the subseqnent devastations hy Sulla; and the custom of the Roman patricians to abandon their vast estates to the cultivation of slaves and the care of overscers. The lowlands near Romo are mentioned as nnwholesome by Livy, Cicero, Strabo, Horace, \&c. After the fall of tbo Western empire, the devastation of Latium became completc, and Rome, reduced to a popnlation of less than 20,000 inhahitants, stood literally in the midst of a descrt. After tbe return of tbe I'opea from Avignon in 1377, the population both of Rome and its territory began gradually to increase again. Since the pontificate of Scxtus V., 'tbe restorer of public peace nnd security' ( $15 \$ 5-90$ ), it has heen stomilily though slowly increasing. It is probably owing to the Papal government that Rome and tho Campágna are not reduced to the condition of Babylon or Palmyra. So administration could render the lowlands of tbe Campágaa healthy, or fix a population in them. Those provinces of tbe Papal Statcs which enjoy a more salubrious atmosphere, such as Umbria, Perugia, the ralley of Rieti in Sahina, the Marches, are among the finest, most populous, and best cultivated in all Italy.

The cultivation of the plains of the Campagns is peculiar. The farms, as above stated, are very largc. Tho farmer seldom or never resides upon tho estate, tbe farmliouse being occupied by the fattore, or stoward, and hy herdsmen. In winter the farm is covered witb cattle; the sheep then collected in the Campagaa amount to about 600,000 , and tho large gray oxen fed for tho lloman market amonnt to about balf that number. The herdsmen ride over the plain dressed in sbeep-skin closks and armed with long pikes; their borses, almost as wild-looking as themselves, are in the summer turned loose among tho woods and morassen along the const, wbere with herds of huffaloes and swine they fced till canght again for winter and spring service. When tbe summer comen, and with it the insaluhrity of the soil returns, the sheep and oxen are driven to the Apennines. Some hun-
dreds of labourers are engaged every year from the higblauds for the service of one farm, hetween the months of Octoher and June, and double the numher at harvest-time, after which they return to their hills, or come to the hospitals of Rome with the malaria fever. At barvest-timo the heat iu the Campágna is most intense aud tbe malaria most fatal. The hardy peasants from the Volscian hille for the sake of earning a few crowns reap all day nnder a scorching sun, and sleep at night on the ground shrouded hy the heary pestilent vapour, which hegins to rise after sunset, and which in a week after overcomes the healthiest and hardiest. During the summer months only a small number of permanent scrvants remains on tbe farms. Tbis system of farming ou a large scale is rcadered necessary by the malaria, and the consequeut depopulation of the plains. In the highlauds and valleys of the Apenniues property is much more suhdivided, the farms are of moderate size, and most of the villagers have gardens and orchards or vineyards. Tbe higbest summits in the Canpagna are-Monte Cacume, in the Lepini ridge, 3500 feet; Monte Cavo, in the Alhan ridge, 3000 feet; Maschio d'Ariano (Mons Algidns), an eastern projection of the Alhan, 2950 feet; Monte Tusculo, 2000 feet.
(Tournon; Gell; Chateaurieux, Lettres Ecrite d'Italie; Foreign Quarterly Review; Murray; Handbook for Central Italy; Blewitt, IIandbook for Soull Italy.)

Campan. [Prreneres, Hautes.]
CAMPA'NIA, the ancient name of that part of the present kingdom of Naples whicl is now called Terra di Lavoro. It was celehrated from the remotest times for its extraordinary fertility, and its soft and genial climate. The Osci, or Opici, and Ausones (prohahly all one people), are the first inhahitants of Campania recorded in history. Etruscan colonies afterwards spread to tbis country, and founded twelve cities, including Capna, which became the principal city of Campania. The Etruscans of Campania appear to have degenerated. from their ancestors, and to have hecome licentious, indolent, and idle. Tho Etruscans were driven out or conquered hy the Samnites, who finally yielded to the Romans. The cruel invention of the fights of gladiators, afterwards adopted by the Romans, and carried to a frightful extent, is attributed to tbe Campanians of Capua.
After being alliee of Rome tho Campanians of Capua took tbe part of Haunibal, and were severely treated hy the Romans in consequence. [CAPUA.] Livy (xxiii-xxv.) speaks at lengtb of tbe Campanians, their manners, and the part they took in the second Punic war. Tho island of Caprea (Capri) was reckoned a part of Campania. The Vul turnns was the principal river of Campania. (Strabo, p. 242, \&c.) For a description of the country seo Terra di Lavoro.

CAMPBELTOWN, Argyleshire, a royal hurgh and sea-port in the parish of Campheltown, near the southern extremity of the peninsula of Cantire, stands on a locb or indentation of the coast, which forms an excellent harbonr, about two miles long and one mile broad, with from 6 to 13 fatboms depth of water. It is situated in $55^{\circ} 24^{\prime} \mathrm{N}$. lat., $5^{\circ} 42^{\prime}$ W. long., 65 miles W. by S. from Glasgow. The population of the burgb was 6880 in 1851. The burgh is governed hy a provost and 17 councillors, and in coujunction with the hurghe of Ayr, Irvine, Inverary, and Oban, returns ono member to the Imperial Parliament.

Campbeltown was till 1700 a fishing village; but in that year it was created a royal hurgh hy William III. It then stood entirely on tho property of the Duke of Argyle, and principally on the sonthwestern side of the barbour; hut it bas sinco extended round tbe head of the loch towards the north-eastern side. There are good quays on both sides of tho harhour. The interconrse with tho mainland has heen minch increased hy stenm navigation. The vessels registered as helonging to tbe port on December 31st 1852 were-21 sailing vessels of 1252 tons, and 2 steam vessels of 259 tons. The vessels entered at the port during 1852 were-Coasting trade, inwards, 751 of 21,356 tons; outwards, 341 of 8645 tons: stcan vespils, inwards, 342 , tonnage 44,619 ; ontwards, 339 , tonnago 43,954 . Foreign trade, one British vessel, inwards, tonnage 156.

There are many distilleries in Campheltown and in the neigbhourhood. The principal imports are barley from Ireland, and coals from Glasgow and Ayrshire. The principal exports are highland cattle and sleep, berringa, and wbiskey. Fishing is a considerahle branch of industry in Campheltown and its neighbourhood. There is a weckly corn-market. In the parish, and about three miles from tbe town, coal of inferior quality has been found. Tbere is a canal to facilitate its transport to Campleltown. Besides the two parish cburches, which are collegiate cbarges, and in one of wbich tbe service is in Gaelic, Campheltown contains chapels for the Free Churcb and other Preshyterian Dissentera, an Episcopal chapel, and a chapel for Homan Catholics. The town-house is a spacious huilding with a spire. A weekly market is held on Tbursday for the salo of grain and other agricultural produce. In tho centre of the chief street of the hurgh is an ancient granite cross, elaborately sculptured. It is eaid to have been brought from Iona. The parish contains the ruins of two chapels, around which are small burying grounds. On the coast are the remains of what have been considered Danish forts.

CAMPBELTOWN. [VAN DIEMEN's LaNd.]
CAMPDEN, CHIPPING. [Gloucestershire.]
CAMPEACIIY, a town in Yucatan whieh forms part of the Mexican Republic, is sitnated in $20^{\circ} 0^{\prime} \mathrm{N}$. lat., $90^{\circ} 30^{\prime} \mathrm{W}$. loug., on the west coast of the peniusula of Yucatan, on that portion of the Gulf of

Nexios whioh is somethmen cillel the liay of Cianpeechy, but snore appropriataly the Bay of Vern Crux. The emalles and opeu bay about the evater of which the cown is bullt, is properly the Bay of Campracty. The town contrins about 16,000 Inhabitants though some cotimation unte it 90,000 , probably including the euburbe. The hoacen ane conrtructed of stone, generally of one rtory only, and being whicownbed, tbough the windows are without glase, extanding along the low tal ehone, have aleaing effect. The otreets ure getangular thmaghout the elty, and thero are meveral good public baildings, inclading alx churches, $\operatorname{lx}$ conventa, a handsome theatre used aloo cocivionally for a tall-rom, and a colloge. There is a museum con. taining a fine colloction of shella, other objects of natural history, and atemenow Iucatan antiqullies, which win founded by two monks, the brothers Coracho. There is also an Alameds, or publio walt, phated with doublo nown of orangotreen and furniahed with sents. The sown is fortifed, but the fortifications wero much damaged in $1811-2$ whou it wan bewieged unsuccessfully hy the Mexicans on the perdit of lucatan; they have however been completely repaired, and the bestion are mounted with heavy ordinance aud mortars. There are some ingular old onverus under the town. The harbour is formed by a jetty of mole. The exportations consist of logwood, or Cam-peachy-wood, cotton, and wax. The wood ls cut in soveral places, eppectally on the Larsk of the Kio Champoton, south of the town and the wax is got from the wild bees without stings, which aro common In the country to the east. The country around is very pleturengue, woll wooded, and tho elimate is bealthy and agrecable. There are many quintes or villen in the neighbourhood of the tewn, but the horels of the poor native Indians are anything but agreeable objects. CAMIPLI. [ABREzzo.]
CAMPO BASSO. (Saxsio.]
CAMPO FORMIO, a village 4 miles S.W. from Udine, in the Venetian province of Friuli, on the high road to Treviso and Venice. It is celebrated for the treaty of peace concluded here, 17 th October $1790^{\circ}$ between General Bonaparte, in the name of the French republic, and Count Cobeutzel and General Meorfeld, the Austrian plenipotentiaries. By that treaty the emperor of Austria resigned Lombardy and Flanders, and receired the Venotian States as a compensation During the negotiations Jonapnrte's head-quarters were at Passerinno, a few milen from Campo Formio, near the bauks of the Tagliamento. CAMPSIE. [Stirlisgemire]
CAMPSIE 11 LLLS, in Scotland, extond between the lower courses of the rivers Forth and Clyde, in a general direction from E.N.E. to S.S.IV. They occupy the middle portion of the county of Stirling and the toutheast part of that of Dumbarton. More than one-third of Stirlingshire is covered with the Campsie Hills and the ralleys belonging to them, but only a small part of Dumbartoushire. The Compsie Hills are utt connected with any mountain range of Scotland. To the south of them extends the plain, through the north portion of which the Forth and Clyde Canal runs; and at their westera extremity they are separated from the hills of IBenfrewshire, which terminate east of Port Glasgow, by the wide and deep bed of the Clyde. They are separated from the mountains skirting the banks of Loch Lomond on the west by the valley of the Leven. The mountain sontheant of Ben Lomond are also detached from them. From Buchanan, uear Loch Lomond, a plain with an avorage width of four or fire miles extends to the banks of the Forth at Kippen. This plain In its higheat parts is hardly morc than 200 feet above the wan. Farther east the valley of the Forth divides the Campsie Hills from tho high eummits in Perthshiro and the southern oxtremity of the Ochill IHils. The rock on which the castle of Dumbarton stande, close to the Clyde, is the south-western extremity of the rage; the rock of Stirling Castle is its north-eastorn extremity. At nemrly an equal distance from both these rocks are the Campsie Fells, the highest portion of the system, which rise to more than 1500 feet above the net. In these hills the sources of the Carrou, the Endrick, and the Olazert are interlocked. From this poiut the Campsio Fells branch off weat and east, and continne about 12 miles in each directlon, ending on the west uear Killearn. On the east the rauge divides luto two ridgen, which Inclose tho valley of the Carron, till both terminate comewhat more than a mile above Denny. The southern ridge in the higher, and rises in wome polnts to 1350 feet; the northern, which is roueh lower, separate the valley of the Carron from the hill about the eourcen of the Bannockbumh. From the point where the councen of the Endrick and Carron are interlocked, a ridge branchon off In a north-easterly direction, and continues to tho banks of the Forth, at Tonch, a distance of about 10 miles. At the source of the Glazert another ridge of high land called the Kirkpatrick Hill branche off from the Campsie llills, which for four or five miles runs south-went, but then declines to the west, in which directlon it continues for about 10 miles, till it terminates about a mlle from the banks of tho Leres, opposite Bonhill. Those heights ocorspy a conniderable space, mending off to the south and nor.h offsets whlch adrance mouthward to the road leading from Dumbarton to Olagow, where Chapel H111 and Dulnotter IIIl are nituated. The doncent of the Carmpaio Hills to the north is overywhere gentlo, and ofen torminates In moom; on the mouth thelr declivity towards the platm in ateep, and the etroams are full of mplds and falls. Conl is found in sorne placen.

CAMPUS MARTIUS. [ROME.]
CANAAN. [PALparise]
CANADA, divided into Canada Eant, or Lower Canada, and Canade Weat, or Upper Cannda, in tho most importaut British settlement on the continent of America. Ite mouthern extromity is Point Pelee, or South Foreland, which extends to the south of $42^{\circ} \mathrm{N}$. lat. (uear 82. $4^{\prime}$ W. long.). N'o boundary having yet been fixed betweon Canada and the Britiah pomsesmions to the mouth and west of liudson's Bay, it is imposible to mavign its extent towards the north. It is however unual to consider all the countries north of the great lakes, Whalch are drained by the rivers that fall iuto the St . Lawreuce, as belonging to Canale; while those drained by the rivers falling into the Atlantic, or Hndeon's Bay, are considered as portions of other divisions of the British posmestions. Conformably to this notion, the most northera poiut of Canada lies between $52^{\circ}$ and $58^{\circ} \mathrm{N}$. lat, at sorne dintance north of the Lake of Manicouagan, near $65^{\circ} \mathrm{W}$. loug. The most easterly point is Cape Gneps south-west of the Islsnd of Anticosti, $64^{\circ} 15^{\prime} \mathrm{W}$. long. $;$ and the miont westera extremity uray bo connillered to be Goome Lake, in $18^{\circ} 5^{\prime} \mathrm{N}$. lat, $90^{\circ} 14^{\prime} \mathrm{W}$. long.
Cauada borders on the west, north, aud for the most part also on the east, on other British territories, and in these directions its boundary-line is geuerally undetermined. The meridian of $67^{\circ} 50^{\prime}$ W. long. and the river Ristigouche divide it from the British colony of New Brunswick On the south and partly on tho east Cauada is bounded by the Uuited States of North Americi. The line of demarention in this direction was ill-defined by the treaty of 1788, 80 that the fromtiers reapectively elsimed by the British and the United States governments embraced betwoen them a disputed territory of about 8000 square miles. By tho treaty sigued at Washington, August 9, 1842, the boundary between British North America and the United States Whs permaneutly defined on the east, aud on the west as far as the Hocky Moutains. The castern bouudary commences at a point called the Monument, at the seurce of the river St. Croix, thence north following a line marked in 1816 and 1817 to its inter ection with the river of St. John and to the middle of the ehanne of the river; thence to the mouth of the river St. Francis, along lte channel and the lakes througls which it flows, to the outlet of Lake Pohenagamook; thenco south-westerly in a straight line to a point on the uorth-west branch of the river St. John-which point is to be 10 miles distant from the main branch of the St. John, but if the said poist is found to be less than 7 miles from the nearest crest of the highlands which divide the rivers flowing into the St. Lawreuce and the St. John, then the sairl point is to recede down the said north-west branch of the St. John to a point 7 milen from the crest -thence in a straight line to where the parallel of $46^{\circ} 25^{\prime} \mathrm{N}$. lat. intersects the south-west branch of tho St. John; thence southerly to its source at Metgarmette Portage and along the highlands which divide the rivers falling into the St . Lawrence from those falling into the Atlantic to Mall's stream, and down the middle of it, until the line intersects the old line of boundary surveyed previously to the year 1774 at the 45 th degree of N . lat., and thence west along that pamblel to the St Lawrence, or as it is here called the Cataraqui. from this point the line is drawn along the course of the river, and through the lakes Ontario, Erie, Huron, and Superior, and the passages which unite these lakes to one auother. By the treaty of 1842 the western boundary is alterod at tho entrance to Lake Superior so as to trausfer to the Unitod States the lsland of St. Ceorge, or Sugar Island. The line is theu carried through Lake Superior north of Isle Royale, along Pigcon River aud Lakes Saisaginega, Cypreas, Bois Blanc, La Croix, Little Vermillion, Namecan, and La Pluie to Chaudiere Falls, thence to the north-western point of tho Lake of the Woods ( $49^{\circ} 22^{\prime} 55^{\prime \prime} \mathrm{N}$. lat., and $95^{\circ} 14^{\prime} 38^{\prime \prime} \mathrm{W}$. long.), thence due south to its intersection with the 49 th parallel of latitudo and along the parallel to the llocky Mountains. Previously to tho treaty of 1783 the extent of Canada to the west was much more considerable than at nre scnt-extending as far south as the source of the Mississiplif ( $47^{-6} 10^{3} \mathrm{~N}$ lat.), and from the source of this river wost to the llocky Monntains.

The average breadth of Canada from south to north is about 300 miles, and the length from Lako Superior to the lalnad ef Anticosti about 1000 miles. This gives an area of about 300,000 equaro miles Another statement givo Upper Canada about 90,000 square miles; Lower Csuada, 205,863; and the St. Lawrence River with its watuary, 52,500-making the total surface 348,363 square miles. Nearly the whole of Canada is situated within the basin of the St. Lawrence River, both haviug one common boundary on tho north; but on the south the basin of the St. Lawrence extends to a conslderable distance into the United States of America, runuing from the western cxtre. mity of Lake Superior to the most eonthera point of Lake Michigan, by a line describlng a curvo towards the point where both lakes approach rearent each other. Brom the most southera point of Lake Alichigan it ruus east-8outh-enst to the sonrces of tho river Maumee, which empties itself into the wentern comer of Lake lirie: it then turas east-north-cast townds Lake Erie, and runs parallel to it at au average distance of 15 to 25 milen. So far the clevated land forming the margin of the basin of the river seems to be from 1000 feot to 1200 feet above the level of the sca, At the eastern extromity of Lake lirie the range forming tho boundary-line turan due oast, and runs parallel to Lake Ontario: but here the distance from the lake
varies from 60 to 70 miles, and the average elevation of the country is estimated at rather more than 1400 feet above the sea. This range, which up to $75^{\circ} \mathrm{W}$. long. continues in that direction, east of that meridian turns to the south and joins the Catskill Mountains on the banks of the Hudson (near $42^{\circ}$ N. lat.). Between the north-eastern extremity of this ridge of high land and another ridge which begins near $74^{\circ} \mathrm{W}$. long. and $43^{\circ} 20^{\circ} \mathrm{N}$. lat. on the southern shores of Lake St. George, the edge of the basin of the St. Lawrence is not formed by a ridge, but by nearly a flat country, which is not more than 500 feet above the level of tho sea. Through this break the Great Erie Canal in the state of New York has been cut. From the south corner of Lako St. George the edge of the St. Lawrence basin runs first north by east, but having approached to the distance of 70 miles from the banks of the river, it turns north east, and runs parallel to its course up to $70^{\circ} 20^{\prime} \mathrm{W}$. long., where it follows the mountain ridge which extends from the origin of St. John's River northward till it approaches within 20 niles of the St. Lawreuce. This dietance it maintains on an average up to Cape Roziere, at the mouth of the mide zetuary of the river. The high land forming the edge of its basin east of Lake George is probably never less than 1500 feet above the level of tide-water.
The whole basin of the St. Lawrence is calculated by Darby to contain 537,000 square miles, of which y

Sq. miles.
The upper basin, or that of Lake Superior, contains 90,000
The middle basin, terminating at the great falls of the Niagara
The lower basiu, to the inouth of the St. Lawrence

$$
160,000
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287,000
537,000
Of this area Lakc Superior covers 43,000 square miles, Lake Huron 16,500 , Lake Michigan 13,500 , Lake Erio 10,900, Lake Ontario 12,600, and the river St. Lawrence with its wide sestuary 52,500 square miles, making in all 149,000 square miles.

According to this calculation the country drained by the efflux of the basin comprises 388,000 square miles, of which about 290,000 belong to Canada and 98,000 to the United States of America. The five great lakes extend from west to east over nearly $15 \frac{1}{2}$ degrees of longitude, with a difference of latitude of about 81 degrees. Their contents amount to moro than half of all the fresh water on the face of the globe.

Lake Superior, the true sourco of the St. Lawrence, is the greatest of all known frosh-water lakes. It is crescent-shaped, convex to the north, and termiuating to the sonth-east and south-west in narrow points. It measures on a curved line drawn through the centre more than 400 miles in length; its extreme breadth is 175 miles, and its circumference, following the ainuosities of the coast, about 1740 miles. Its surfece is 627 fectabove the tide water in the Atlantic, and appears from various indicationa on the shores to have been 40 or 50 feet higher at some remote period. Its depth varies much, but is gene-
rally very great, and at its maximum is probably 1200 feet. When its surface is agitated by etorms it resembles the ocean. It is subject to a considerable rise at the time of the spring-freelies, especially after a rigorous wiuter. The Thunder Mountain, one of that class of mountains which in some places approach near and form the margin of the lake, is a bleak rock about 1200 feet above the level of the lake, with a perpendicular face of its full height towards the west. It is, says Simpson, " one of the most appalling objects of the kind I have ever seen." The rivers which fall into Lake Superior are not loug, but they amonnt to upwards of 50 of some size, and sevcral are broad at their mouths, In general they are not navigable, or only for a short distance, as they descend in their short course from heights which are from 500 to 614 feet above the lake. The St. Louis, the most considerable of these tributaries, which enters at the extreme south-west angle, is the channel of oommunication with the Upper Mississippi ; it rises 551 feet above the lake. Along the north shores of the lake the rocks arc from 300 to 1500 feet high, and would rendor the navigation dangerous during a gale but for the numerous small islands near the entrance of inlets and bays, in which vessels find shelter. The country is dreary and almost without trees or vegetation; the climate is cold, and game and esculent plants exceedingly scarce. Along the south shore extends a low sandy beach, intersected with rocks of limestono rising 100 feet above the surface of the water. The navigation is dangerous in this part, owing to there being no bay on the whole extent of the coast. Islands only occur along tho north shore and towards each extremity of the lake. The largest, called Isle Royale, is waid to bo 100 miles in length by 40 miles in breadth, but on most maps it has not half these dimensions. The waters accumulated in Lake Superior are carried off by a river issuing at its mont eastern angle, called St. Mary's River or Strait. About 12 or 15 miles from the lake it forms the rapids of St. Mary, which are produced by a great mass of water forcing its way through a confincd chanvel. The rapids are nearly 2 miles long, and have altogother a fall of $22 \frac{1}{2}$ feat perpendicular height. Canoes sometimes venture to descend the rapids, but geuerally avoid thom by means of a portage about 2 miles long, which connects the navigable parts of the river. As far as the falls the river runs east, but below them it turns to the south-east, and dividing iuto several channels incloses
numerous islande, of which the most considerable ars St. George or Sugar Island, St. Joseph, aud Drummond; the island of St. Joseph belongs to Canada; the other two to the United States. This part of the river is navigable for boats and sailing vessels of 6 feet dranght. Above the island of Drummond the river widens and soon enters Lake Huron after a course of above 40 miles, in which it falls 32 feet, the rapids included.

Lake Huron is only second to Lake Superior in extent, its greatest length in a curved line between St. Mary's Strait and its outlet being above 240 miles. From south to north it is 186 miles. Its extreme breadth, which lies nearly west-north-west and east-south-east, is about 220 miles; its circuit exceeds 1000 miles. The surface is 595 feet above high water in the Atlantic; the average depth is 1000 feet, but leads have been sunk 1800 feet off the inlet called Saginaw Bay without finding bottom. It is divided into two unequal portions by a series of islande called Manitoulin Islands, and by a peninsula called Cabot's Head. The Manitoulin Islands begin on the east of Drummond's Island in the very mouth of St. Mary's River, and extend east with an inclination to the south for 120 miles. They belong to Canada. One of them, Great Nanitoulin, is upwards of 72 miles long, and varies in breadth from 3 to 23 miles, being eingularly indented by inlets and coves, which give it a very irregular and broken outline. Its uame is derived from the language of the Indians, who regard it as the dwelling of the Great Spirit, or 'Manitou.' It is settled exclusively by Indians. These islands are divided from Cape Hurd, the northern extremity of the peninsula of Cabot's Head, by a strait about 10 miles wide, which coritains a few small rocky islands. Cabot's Head projects from the south shores of the lake, about 50 miles iuto the lake, with an average width of 12 miles. That portion of the lake which is thus separated from its main body is called Georgian Bay, and measures in length from the southern extreinity of Natawassuga, Bay to St. Mary's Strait about 225 miles. Its south portion east of Cabot's Head has an average width of 50 miles, and lies south-south-east and north-north-west; but between the Manitoulin Islands and the north shores of the lake it does not exceed 7 or 8 miles, and sometimes contracts to 3 miles. At Natawasauga Bay the shores are high, but the lake is free from rocke. Farther north the shores are much indented and fringed by a multitude of small islands and rocks. There is a small naval station at Penetanguishene, an excellent harbour near the hcad of the bay about 3 miles in length, narrow and landlocked by hills on both sides. The main body of Lake Huron contains very few islands, and is generally of great depth. The shores of Lake Huron opposite the Manitoulin Islands are elevated and broken, especially between $81^{\circ}$ and $82^{\circ}$ W. long., where there is a bold ridge of hills called Cloche Mountains extending about 40 miles along the coast, and exhibiting dietinctly three or four elevated summits. From Cabot's Head to the outlet of the lake the shores are in general luw, or of very moderate height. This is a dangerous part of the coast, having no shelter for large vessels from the violent westerly winds except the artificial harbour of Goderich. The western shores of the lake do not rise to a great height, and form nearly in the middle a deep and wide inlet-Saginaw Bay, which is 60 miles long by 20 miles wide. Among the rivers falling into Lake Huron three are remarkable-the Français, or French River, the outlet of Lake Nipissing ; the Muskoka, the outlet of the lake of that name; and the Severn, which issues from Lake Simcoe. The Severn is not navigable. At its north-western extremity Lake Huron is united to Lake Michigan by the Strait of Machillimakinac, which is only 6 miles long and 8 miles wide. Lake Michigan is nearly 300 miles long, with an average width of 75 miles, and very deep. Its form is elliptical and regular, except a break in the west cosit, which forms the Green Bay, and is said to extend 100 miles parallel to the lake, and another bay on the opposite side called Graid Traverse Bay. Its shores are everywhere of a moderate height. This lake is surrounded by the territories of the United States. Its level is lower than that of Lake Huron, and a current constantly scts into it from the latter.
The river St. Clair issues from the south point of Lake Huron, and runs 30 miles between moderately ligh banks till it expands into Lake St. Clair, which is about 30 miles in diameter and shallow, but has sufficient depth in its channel to admit steamboats and schooners; and the same is the case with the river St. Clair. The shores of the lake are low and level ; and it receives from the east two considerable rivers, the Great Bear River or Creck and the Thames. Issuing from the south-west anglo of Lake St. Clair the river is called Detroit. It first runs west, and then bends in a regular curve about due south to its influx into Lake Erie. Its length is 29 miles, and it is navigable for such vessels as are employed upon the lakes, being from 7 to 8 fect deep. At Amherstburg near its mouth is an excellent harbour. The banks of the river are moderately elevated. Tho fall between Lake Huron and Lake Erie is 30 feet.
Lake Erio is 265 miles Jong and $63 \frac{1}{2}$ miles broad at its oentre: its circumference is computed at 658 miles; and its surface is 565 feet above the sea. It is the shallowest of all the great lakes, its average depth being 85 feet only, with a rocky bottom. The navigation on this lake has rapidly increased since tho Great Erie Canal in the state of New York and the Welland Canal in Canada have been formed; but several circumastances combine to render it tedious and dangerous.

Tho chicf of theos in the very heavy groand awell whleh prevaila in aloray wenther is cousoquenee of the ahallowneen of tho watern. Liereral elongated pointe atretch fr the the porth whore into the lake The seast conmpleuous are Polnt l'elée or Soubh Forelant, Foint ans lian or Iandgtanl, l.ong Point or Sorth Forcland, and Iolnt Abino. The noutbers shoren Irlonging to the Uniled sitaten are in genersl low, exvelt letween Cleveland and the mouth of the river Ilanon, where tho cliefr rine almost perpendienlarly nearly 60 fuet above the waterlevel. Thin shore has sume harbuura for small veavela. There are soveral mesall intunde monslerad orer the weat onil of tho lake, only one of which, I'oint Pelee Inland, in inhabitel. These islands have abo lo sotmo jinoes grod anchorage and shelter for small vensels; and on Cunuingham's laland, which belongs to tho Unitod Staten, there is a fine harbour oalled l'ubin Ihy, which has 12 feet of water, and in well ahelterel. The beain of this lake doen not receire any great river except at its wout and eant extrenitios. At its went ond it receiven the Detroit and the Minnee, which fow in the territoriea of the I'nlted States; and at lts cast ond the Ouse or Grand IRirer, whose mouth makes the best harbour on the north shore.

The writers of lake Firle descend to Ontario by the Niagara River, whleh commences at tho extremo northenst polat of Lake Firfe, avd rume 331 mileo, mensural along its course, in a general direction from south to north. Its breadth varics from half a mile to one mile and more. It diriden woral times into two hranches, Including some Eslands; of whicli the Inrecst, Crand Island, belonging to New York, ecntains 11,200 seres. A little to the north-west of Grmad lslaud is Jiary laland, notod for having been taken ponsession of by the Canadian rebelw under Dr. Mackenzie in 183\%. Below Grnnd Island the river is abore one mile wide, and turn to the weat, in which directiou it flows to the Great Pralls, 3 f miles distant, and 20 miles from the beginning of the rirer. In this distance its waters fall 60 feet, of which they descend 51 feet in the space of the half mile immedintely nbore the fall, so that the river is navigable to the village of Chippewa. The Oreat Falls are formed where tho river suddenly turns to the north-northeast. Above them the banks of the river are very little elovated wore the water's edgo; but beluw the falls the current flows rapidly in a bed several humdred feet deep, and walled in on hoth sides by perpendicular rocks. Tho catrract cousists of two falls, divided from each other by amall island called Goat Island. The fall on the Anserican side is 162 feot high and 375 yards wide; that on the Canedian side, called from its slape the Iforseshoe Fall, is to0 yends wide and 149 feet high. The face of Gont Island measirres 330 yards. The whole breadth of the river at this point is 1405 yarde, and the mass of water projected each minute orer the precipice is estimated at 110,000 tons. Four miles lower down is a very strong eddy, called the Whrlpool; and 1 miles below it the river cmerges from the rock-bound chasa, and flows in a decp and gentle current betrees basks of inoderate eloration. As anore than one-third of the Ningara is not navigable, the navigation of Erio and Ontario has boen unlted by tho Welland Camal.

Lako Ontario cxteuds mearly weat and eart las an clliptical shape, measuring in length 172 miles, and in extremo width nearly 60 miles; its circuit is atated to be 167 miles; the depth varies from 18 feet to 800 feeh, oxcept in the ceutre, where it averages 3000 feet, but is said to be in some place beyond the reach of soundinge. Its surfaco is 23 I feet abore the tile-water in the Atlantic. Its shores round the west ead are of moderate height, they risc bigher east of Toronto where they awsume lofty character, but suhnile gradually as they epproach the peninsula of Prince Edward. The remainder of the Canada side up to the beginning of the river Cataraqui is low, and in many places marshy. The southern slores are in general low or very little clevated; at the east end of the lake ls a good harbour at Suekets. The Caundian shores have two excellent hariours for vonele of a mlddling aize at Toronto and Kingnton: the bays of Quinto and Purlington aro alio remarkable for extent and security. Two large rivers fall into the lake from the south, the Cenessec and the Oswego or Ononding; ou the northern slde the Treut fnlls luto the Bay of Quints. There are womo small islands at the east extremaliy: the largent in Wolfe laland, opposite Kingston, at the efllux of the Cataraqui or St. Lawrenee, by which two chaunels are formed leading to the river; the northern chnanel in ealled the Kingston Channel, and the wouth the Carlcton Chanuel.

The St. Lawrence inmen from Lake Ontario by the two channels which mirround Wolfo Island, but in thin rart and generally above Montreal it in called Cataraqui. The part of the river immerliately below Wolfo Island yrements the appearance of a lake, and is studded with a molltitude of amall inlands Farying greatly ln extent, mape, and appoarance, whence it io called the lake of the Thoneand Inlanda The rumber of thene inladis is 1602 . Alout 10 milen from lake Ontario the channel gradually bocomes narrower and tho current lm . perceptibly inereasen, but continues gentle 10 mlles farther down to Prencott. Six miles below thie place $n$ nerjen of mplda commences, whlch is almont uninterripted to the lieml of lake SL Francin, immo. diately below $15^{\circ} \mathrm{N}$. lat. Tho gromtent Iroperlimenth to narigations
oceur betweon Johnoton and Cornwall, whore tho river in 39 miles oceur betweon Johnton and Coruwall, whore the river in 39 miles falla is feet, and very violent raplds aso formed hy tho heary roluue of the waters.

The lake of St. Frauch and St. Louth, whlch follow, are only
exprasions of the rivor. St. Fraucin is 25 milos long by 56 mitus whero wident; St Louis, which in formed lyy the junction of the Utcawas or Ottawa River with the Cataraqui, is 12 aniles long and 6 milon hrond at its greatent width. Ibotween the two lakes lio the mpids of the Coleau, the Cerlars, and the Cascedes, at the last of which a audden doclivity iu tho bod of the river, obotructed by rocks lu some places, and acooped into cavitios in others, produces a most siugular cotamotion. The waters precipltated with great volocity down tho declivity aro thrown up in spherical figuros, and driven with the utinost rioleuce back aguin upon the current. At the junction of the Ottawa and Lake SL Louis there aro four consideralale ishands formed by the difforeat clananels of the river-Montreai, Isle Jesus, Bizarre, and Perrot. Montneal, the largest of them, in a bontiful island of a triangular shape, and contains the city of the samo name. The surface of the island is nearly level, with the exception of a mountain (Cotenu Sh lierre) and one or two hills of slight clevation, from which flow nuncrous etreams aud rirulets. lslc Jesus, separated from the north-west of Montreal ly the Riviere des Prairics, is 21 miles long by 6 milea broad, and is level and admirably cultirated. Off its south-west end is lele Eizarro, about 1 uilen in lengtls nnd nearly ovnl, well cleared and tenmuted. Ialo Perrot, 7 miles long by 3 milen broad, lies of the south-west end of Montreal; it is level. andy, and not well eleared. The small islets De in Paix are annexed to the seigniory of lale Perrot, and serve for pasturnges. The principal chanacl runs betweeu the Ialand of Montreal and tho soutl bank, first due east and afterwards nearly due north. Whero it turns to the north there is a pieturesque rapid called Sault St Louis, which is very dangerous and almost impassable for hoats and vessela, on account of the great rapidity of the current. A canal called Lachine bas boeu cut through the south-enst part of the Isiand of Moutrenl, which is rather more than $S$ miles long, extonding from the village of Upier Lachine to Montreal. The Sault St. Louis is the last considerible impediment iu the narigatiou of the St. Lawreuce. Some nagnifiecut works have been construeted within the last 12 yenrs for the purpose of improving the narigation betwecu Lake Ontario and Montreal. The series of shoster rapids oceurring in the first 33 miles below Prescott has been overcome by meana of six locks and four short lateral cuts, measuring collectirely ${ }^{9} \frac{1}{2}$ miles. The Cornwall Canal, terminating at the town of Cornwall, is $11 \frac{1}{2}$ milen long, with a fall of 18 feet disirihuted through seven locks, nad aroids the most violent mpids on the SL Lawrence. The Bemharnois Canal is sifuated ou the south side of the river; it is IIt miles in length, has aine locks, and unites lakes SL Fraucis and SL Louis. These canals give 10 foet depth of water with a width of 80 feet at the bottom ; the locks are 15 feet wide, 200 feet long, aud give 9 feet depth of water. The Lachine Canal has heen enlarged to the same dimensions. Through the now channels thus provided first class vessels run up from Montreal to Toronto and Hamilton, and through the W゚olland Canal to lakes Eric, St. Clair, and IIuron.

Though Montreal is 550 miles from the Gulf of St Lawreuce, vessels of 600 tous get up to it with very little difficulty. Below Montreal the width of the river varics from 3 to 4 miles, till after receiving the river Richelicu at Sorel or William Ifenry it expands into Lake SL. Peter, which is 25 miles long and above 0 miles wide. Groups of islands cover ahout 9 miles of its surface at its upper end ; and farther down shoals stretcls from both bauks, which are low, far into the lnke, so that only a narrow passage from 12 to 18 feet deep is left in the middle. Alout 10 mile from the luwer end of this lake, the SL Lawrence is joined by the river Sh. Maurice, near the town of Three livers, where the tidee are sometimes perceptible, though they aro gencraily not mucls fell for sevoml miles farther down. Throe Rivers is 432 miles from the liead of the island of Anticosti.

Itichelicu IRapid, the lat in the SL. Lawronce, occurs 52 miles below Three Ilivers. The bed of the river in here so mueb coutracted and oustructed by rocks that it leares only a very narrow channel, in which at obb tide a rapid is formed that cannot be passed without great care. But wheu the ocean swell is at its height the rapid disAppeara, as the tides rise bere from 15 to 20 fect. At Quebec, 150 miles below Montreal, the river is ouly 1314 yarda wide, but the navigation is completely unohstructed ; and just holow the aarrow chanuel lies a deep basin 1 miles wide, formed by the head of the islaud of Orlerna, and serving as a harbour for the city. Below that inland the St. Lawreace expands continually till it entere the Gulf. At the mouth of the river Saguenny it is 18 miles, and at Cape des Monta or Mont l'elé 25 zniles ncross; but hore the left hank treuds auddenly almost north, so that at tho Soven Inlande tho banks aro 73 malles spart The diatance between Cape 1Roziere and Mingas nottlement on the Labmior shore is very near 105 miles. This may Lo commiderod as the cmbouchure of the Sit Lawrence. Its waters begin to be hrackinh 21 miles helow Quebee and they are perfeetly salt at Kamouraska, is miles lower down. Several islasids occur in the lower and wadder course of the river, of which the largest is the lsland of Orleana, ahout 10 milen below Queboc, which is about 18 milen long, 5 miles wide, and well cultivated. At tho mouth of the river ls the large island of Anticonti.

If wo conslder Lake Superior as the true source of the St. Lawrence, the courme of tho river is lietween 600 and 700 miles shorter thau that of the Mismirsippi.

That part of Canada to the north of the great lakes and the river St. Lawrence may be divided into three sections." The most western comprehends the country of Lake Superior and the north shores of Lake Huron, and is divided from that farther east by the range of mountains enlled La Cloche, which commence opposite the eastern extremity of Grand Manitoulin Island, and extend farther north than they have been explored. This part of Canada is very little known, and contains no European settlement except a few establishments for the fur-trade. It seems to be a table-land of considerable elevation, the surface of which is often slightly broken and covered with small hills, but in other parts spreads out in extensive levels. It is full of small lakes, and is traversed by a great number of small rivers; in some places it is covered with extcnsive swamps. It is generally well wooded. The middle section extends from the La Cloche Mountains cast to the Ottawa, and comprehends all the countries west of that river, and also the peninsula which lies between the lakes Huron, Ontario, and Erie, and terminates at the rivers St. Clair and Detroit. It embraces cousequeutly the whole settled part of Upper Canada and a very small portion of Lower Canada. The surface of this section comprises a table-land of a somewhat uncven surface, two extensive terraces, and a levcl plain. The table-land comprehends the northern half of this section; its southern edge is marked on the west by the riso in the country between lakes Simeoe and Muskoka. This acclivity continues eastward at a distance of about 20 miles S . of $45^{\circ} \mathrm{N}$. lat,, and may bo considered as terminating a little east of the meridian of $77^{\circ}$. From the shores of the Georgian Bay the country rises rapidly to a considerable height; that portion of the table-land east of Lake Huron is 750 feet above the lake, and 1344 feet above the sea. This height may be considered about the average elevation of the table-land. 1 ts surface is probably not very irregular, except towards the banks of the Ottawa, where it is broken by extensive valleys running parallel to the river, and considerably depressed below the surface of the table-land. About the middle of this elevaterl country is a dcpression which coutains numerous lakes, united by two rivers, of which one called Nesswabic runs north and afterwards east, and juins the Ottawa; and the other, called Muskoka, runs first south and then west, and after having traversed the Trading Lake and Lake Muskoka, and formed several rapids, empties itself into the Georgian Bay. Towards the north-western loundary is Lake Nipisaing, which is above 50 miles in diameter, and is 750 feet above the sea. From its southern extremity issues a river called tho Français, or French River, which forms several rapids before it enters Lake Huron. As far as thistable-land has been explored it appears to be generally covered with forests of hard wood, and to have a fertile soil It is still cntirely in possession of the native tribes, among which the Mississagua are the inost numerouk

The Ottawa, which bounds this country on the east, issues from Lake Terniscaming, but its remotest branehes rise nearly 100 miles leyond that lake. Its upper course is only visited by traders in fur and timber. The first European settlement is at Lake Allumettes, not far from the place where the Nesswabie enters tho lako. In this part the Ottawn divides into two channels, inclosing between them Black River lsland, which is about 15 miles long, with an average breadth of 4 miles. The upper course of this river consists only of a series of lakes, connected by short channels, which always exhibit rapids or falls. Farther down is the Grand Calunet Island, which is about 20 miles long asd $T$ miles in its greatest width. Both the channels which inclose it are full of mpids. At the Lake Des Chats the Ottawn is joincd by tho Madrwaica, which descends from the trble-land by a course of about 100 miles. Lake Chnudiere is 18 miles long, with an extrerce breadth of 5 miles; at the lower end of this lake commence the falls called Chaudidres, or Kettles, from their form, the privcipal of which is 60 feet high. Below these falls near Hull is the mouth of the Gatinenu River, which fows from the north-north-west through au immense vallcy of rich soil, and is navigable by canoes for more than 300 miles. From this point the Ottawa is narigable for steara-boats to Grenville, a distance of 60 miles: and in this pert of its course the banks of the river, which so far are gencrally high, subside 80 much that the sdjacent country is inundated in spring and autumn for more than a mile. At Grenville is the rapid called Long Sault. At Point Fortnne the Ottawa gradually begins to expand into the Lake Two Mountain, which discharges itself by the rapid of St. Annc's into the St. Lawrence where it forms the Lake St. Lonis abore Montreal. To svoid the rapids the Grenville Camal has been constructed on the unrth bank between the town of Grenville and the lake of the Two Mouutaina Thus the Ottawa is navigable up to Bytown and the Chaudiere Falla, a distance of above 100 miles. The course of the Ottawa from Lake Temiscaming to Lake Two Mountaius is about 350 miles. The country bounded by the lower courso of the Ottawa and the Cataraqui riaes with gentlo acclivities in the form of terrnces from the banks of both rivers. In the eastern distriets the highest land extends at uo great distance from the Catarnqui ; but north of the Lake of the Thousand Islands it turns to the west, and continues in that direction till it joins the table-land near $77^{\circ} \mathrm{W}$. long. This ridge is probably not more than 700 feet above the sea : it is lowest at its westcrn extremity, where it occupies a greater space and Incloses a number of lakes, the greatest of which are the Ridenu and Missismippi lakes. Some portions of his
country are marshy, but in general the soil is fertile, aad agriculture is rapidly advancing. The eomparatively small elevation of the western districts has suggested the formation of a canal betweeu Lake Ontario and the Ottawa. This grand work is called the Rideau Canal from the lake of that name, which it enters at the south and quits at the northern extremity. The canal is 135 miles long, beginning at Kingston on the shores of Lake Ontario, and terminating at the foot of the Chaudiere Falls. Lake Rideau, which is about 24 miles long and 6 miles wide on an average, is the summit-level of the canal, from which it descends 283 feet to the Ottawa liver, and 154 feet to Lake Ontario. On the north side of Rideau Lake are 30 locks, and on the south side 17 locks. The locks are 142 fcet in length, 33 feet in width, the depth of water being 5 feet, so that vcssels under 125 tons can navigate the canal.

The country between the table-land aud Lake Ontario forms two distiuct telraces, which extend from east to west. They are divided from cach other by a ridge of hills, which begin between $77^{\circ}$ and $78^{\circ}$ W. long., near the west end of the Bay of Quinté, about 8 or 9 miles from the shores of Lake Ontario, and ruu west nearly in a straight line, under the parallel of $44^{\circ} \mathrm{N}$. As they proeced farther west they are farther from the lake, so that opposite the town of Toronto the plain along the shores of the lake is 24 miles wide, and whore the ridge terminates, near $80^{\circ} \mathrm{W}$. long., it is still wider. Between this ridge and the south edge of the table-land is the upper terrace, which is much larger. At the eastcru extremity it extcnds to the shores of the Bay of Quinte, and farther west the southern range remains always abont 50 miles distant from the south edge of the table-land; its length is about 150 milcs. Both terraces are dirided from the low plain, which extends farther west between the lakes of Hurou and Erie by a ridge of hills which begins on the north on the shores of Natawasauga Bay, and runs south to the west end of Lake Ontario, where it forms the Burlington Heights, and continues along the shores of Burlington Bay and the south side of Lake Ontario, at a distance not exceeding from 4 to 8 miles. Near Queenstowu it reaches the Niagara River, where it forms the Great Falls. It continucs in an easterly direction through the state of New York to Loekport, where it is about 12 miles from Lake Erie. It afterwards erosses the Great Erie Canal, runs parallel to it, and subsides at Rochester, on the Genessce River.
The northern and larger of the terraces seems to rise gradually from east to west. In its western district is Lake Simcoe, whose surface covers 300 square milcs, and is at least 100 fect above Lake Huron and 468 feet above Lake Ontario. From its north shore issues a considerable river called the Severn, which erapties itself into an inlet of Lake Hurou, called Gloucester Bay. Barrie, the thriving chief town of the Simcoe district, stands at the head of Kempenfeldt Bay, \& large inlet of Lake Simcoe, on its north-west side. Balsam Lake, farther to the east, may be considercd as the source of the river Trent, which runuing east unites the lakes Sturgeon, Pigeon, Shemong, Slibauticon, and Trout, all of which lie on the northern border of the terrace, and extend several miles from south to north. Issuing from Trout Lake the river runs with many windings south, aud reaches lico Lake by a bold beud to the east. This lakc, which is 25 milcs long, and from 4 to 5 miles wide, lies south-west and north-east, and only 15 miles from Lake Ontario. The Trent leaves the lake at its north-eastern extremity and continues iu that direction for about 30 miles, when it turns east, soon afterwards south-west, then east, and afterwards sonth, till it falls into the Bay of Quinté. The Bay of Quinté is only a long, irregular, and winding lake, divided from Ontario by the peninsula of Prince Edward. Its lengtl measured aloug its windings is near 50 miles, and its breadth varies from 6 to 12 miles. The isthmus which connects the peninsula of Prince Edward with the continent is, at its western extremity, only three furlongs wide. The peninsula is indented on every side by small bays and coves, offering anchorage and shclter for such vesscls as navigate the lakes.

Of the upper terrace the soil, so far as it is known, is fertile, and it contains few sterilc tracts except swamps. It is covered with valuable timber. Iron ore is abundant. European settlements are fast incrcasing. The southern termee, which terminates in rather a high shore on Lake Ontario, and extends between the peninsula of Prince Edward and Darliugton, is gencrally lercl aud very fertile, with the exception of a sandy plain between Ontario and Rice Lake; west of Darlington the soil along the lake is of an inferior quality.
The plain of Upper Canada comprehends the peninsula which extends betweeu the lakes Erie and Huron, nearly in the form of an equilateral trianglc, whose base is formed by a line drawn from Fort Erie, on the inlet of the rivor Niagara, to Cape Hurd, the north extremity of Cabot's Head, a distance of 216 miles. Auother liue, cutting it at a right angle and striking Detroit River at Amherstburg, is about 195 miles loug. All this tract, which contains about 20,000 square miles, is lovel, or slightly undulating, exeept on its east side, whero it bordcrs on the hills which separate it from the torraces. About the sources of the Thamcs indeed it appears to coutain some rising ground, the upper plain of which is a kind of swamp or moor. The wholc tract is an alluvial soil of great fertility, containing neither stones nor gravel. Most of it is covered with largo foresta of maplc, beech, oak, basswoorl, ash, clm, hickory, walnut, butternut, chestnut, cherry, birch, cedar; and pine. In tho midst of these woods, and some-
timon on the banke of the rivers, there are pralries or natuml mendown of no growt extent, geacrally covering only a fow thousund aeres, and containing on thom armall elumpo of lony pinea, whito oak and poplar, sonttermb here nad thera Tho turgeot of thewo prinies aro ln tho neifblworhool of Long lioint and the rivera Thamee and Onme. The Inrgest river of this plaln is the Thames, whowe sources ano in the gruat swamp which oocupies the eentre of tho country. In npper conrse in north and couth an far as Iondon, whence lis general direction io month-went. It diocharges iteelf Into Lake St. Clair, after a winding course of mearly 150 miles. It in navigable for resech an far an Chatham, 15 milan from its mouth, and for loants nearly to its nource; but it has a har at lis eutrance. The Ouse, or Grand River, rinee ln the hill mouth of Natowannuga Bay, about 30 sniles from it, and runa with a very winding conrso, frst about 75 or $\$ 0$ milen nouth, apd then pearly the earme diveance mouth-oust, till it falle into Lake Erio at Sherbrooke. It has more water than the Thamen, and in 900 yando wide at lis mouth, but the bar acroes its entranco has only cight feet of water on ic Neverthelos it forms one of tho best harbours on the north ahore of Lake Erie. The river is mavigable about 25 zuilen from its mouth for sehooners, aud considerably farther up for large bonta The Felland, or Chippeway, which risen betweon the west end of Late Ontario and the banks of the Ouse, runs cast sad fall into the river Ningars uearly three miles above the Great Falls For zuore than 25 uilcs from its mouth its depth varies betwcen 9 and 15 feet It has gircn its name to the canal which unites the Laken Erio and Oatario. The Wclland Canal was formerly navigable ouly by ressels not excooding 125 tone. It has of late years been recunstructed so as to givo passage to reasols 140 foet long by 26 feet 4 inebes beam, and of about 450 tons burden. Tho aquednct which carrics the canal over the river Wellnad is an oxtensive atone structure.

Wo have now to describe the third great sectiou of Canala north of the St. Lawrence, or that which exterds from the Othawa to the Atlantic, and comprehenda the greater part of Lower Canala. About 30 miles below Qucbec is Cape Torment, in the neighbourhood of whioh a mountain rises to the hcight of 1800 feet above the sea. A line drawn from this point at right angles to the river divides the northem countries into two portions, which are different in featuras and character. Between the mouth of the Ottawa and Cape Torment the banks of tho St. Lawrence are low, or of very moderate elevation, as far an Richclicn Rapid, 52 miles bolow Three Rircrs; but from this point they begin to rine and ansume a bold character, which continues increasing to Cape Diamond, on which Quebeo stande, and still more towands Cape Torment. Whore the banks are low tho adjacont couutry from 5 to 15 znilen inland is lovel, or risce gradually to slightly eloratad terracen Boyoud this level the country rises iu innderato bills with gontle slopes. The range of hills in the background begins on the bauk of the Ottawa near Grenville, and runs nearly parallel to the Sit Iawrence in a north-east direction. In the parallel of Quobec it tums east, and covers tho conntry about that town with aumerous bills which are divided from one another by fine valleys. Tho country han thus a differeut aspect in thoso districts where the bank of the river begin to be high and bold. The soil of this tract along the river is genernlly good. The country behind the range of mountains has only boen oxplored aloug the course of a fovr rivers. It appears to contain very fow tracts fil for agriculture in the narrow river vallogs. The iutervening spaces are occupied by rauges of high nad bare rocks which contain uumerons small lakes and swamps. The larger sivers have thoir origin to the west of the mountain rango, break through it, and fall iuto tho St. Lawrence. Thoso which join it to the south of the Richclicu Rapid are navigablo for 20 miles aud upwards from their mouth, but are obstructed by rapids and catarncts higher up. Tho rivers which discharge themselven into the St. Jalvreace north of Richelicu Rapid are for the most part too rapid to lo narigated; they aro uned in tho apring to lloat down the timber to the milla situated near their mouth. The largest of these rivers in tho St. Marico, whoeo upper branches rise far in the interior behind tho mountaiu rangs. Thicy are three in number, and each of them passes through a cousiderable sumber of large lakes. They uuite ncar $13^{\circ}$ N. lak, from which point the river rung in a south-enst direction with nnmerous bends to its mouth near Throe Rivers, a courso of above 150 milos. It is narigable for boata to la Tnqque, about 100 miles from itn mouth, but there aro some rapids which munt be avoided by whort portagen. The country oxtending northenst from Cape Torment if nlmost entlrely unknown, except tho valley of the river Saguenay. The coant has a forlidding appearauce. From Cape Torment the ringe continues unbroken, excopt by the beds of rivers nud rivnlets, until it lowers 15 or 18 miles below the month of tho Sagnenay. It risen from the water-adgo with a nteep ascent to an average height of 300 or 400 feet, but lu nome places of 2000 feet. Farther down it subsiles in approaching tho kergeronnen, and sinks to a morlcrate clovation at l'ontnour, about $\$ 0$ milos below the mouth of the Snguonay. But towarde Pointo des Monts the banks rise again, and continue at a groat clevatlon to tho bnuudary of Labrador. Tho interior Ls deacribod by the natives as consistlng of rocky cliffs and rugged hills of faconsidemblo clovation disperwed over barren plains, and with thick formon aturded with crooked aord atunted pines, birch, firm, and thick formata atudded with cruoked and atinted pines, birch, firs, and

Sapuonay inwee from lake St. Jolin, whlch covers about 540 square milen and rocelves several largo rlvers, of whlch tho Wintehuan and the Ansuaperounoin ano the noot considerable; but their course is very imperfoctly known. Around Lako St. Johu are some tracts of culitrable land. Two rivera insue from the onst part of tho lake, callad the Gruade and Petto Dincharge, and unito after a conrse of abont 40 or 50 milen, forusing an inlaud 38 miles long with an averago brondth of 17 inilen. After their junction the river is called Sagueasy, and mus nearly 100 miles to its mouth noar Tadoumac For about half the distance the bauks aro rich and fertile, but iu the lower half they are formed of rockn rising frous 200 to 1000 feet in height. The current of the Sagueany le very quick, though its depth is grent; it is narigable for veasels of any sizo for about 0 milen to lin-11s Bay, Whlch is a good barbour. Tho tido ascends to tho union of tho two Discharges, and ries abont 15 feot. A nases of turhid water bronght down by this river darkens the stream of the St. Lawrence for many miles.

In the south soction of Lower Canada there is a mountain rango at tho sources of tho Connecticut River, on the boundary-lino between Canada and the Unitcd States, which ruas cast-north ceast to the origin of the St. John lliver, and thence nenlly due north till it appronches within about 20 miles of the St. Lawrence liver. It then turus north-enst, and continucs iu that directiou parnilel to the river, its rocky heighta often advancing to the very edgo of the water. By this mountain range, which torminntes iu capes Roviere and Gaspe the country is divided into three regions, ouc lyiug to tho west of tho mountain rauge which runs north, tho second forming the narrow tract along the St. Lawrence, and the third coraprehending a small part of the basiu of tho St. John liver. The western districts of the first regiou form an almost level plain, on whiel, at considerable distances, a few isolated mountains riso abruptly above the surface. The summit of Rouville Hill is 1100 fect sbove the level of the St. Law rence. This flat couutry extends almost to tho river St Francis ; but torards tho south the surface becomes progressively hilly, till it assumes a mountainous character to wards the lakes of Memphramagog and St. Francis. The banks of the St. Lawrence aro low, and partly marshy, expecinlly on tho shores of Lake St. Peter; but lower dowu they gradually begin to rise, and at the mouth of the Chaudiere they are high and bold, and continue so to Point Levy, opposite Quebec. Tho western level districts have the bost soil in Lowor Canadn, from which wheat is exported to Great Britain. This is probably the znost populons and best cultivated part of Cauada. Between the Sk. Francia and the Chandiere the soil varies very much in fertility, and large portions of it arc still coverod with forests.

The Chambly, also called Richelien, St. John, St. Louis, and Sorel, the largest of the rivers of Lower Canada which fall into the St. Lawrence from tho south, rises in Lake George, in New York stato, which lake is united by a short passage to Lake Champlain. lssuing from Lake Chmmplain, the Chambly is a wide river, but it grows gradually narrower as it procceds north, so that at its mouth it is only 250 yards broad, while near Lake Champlain its width excceds 1000 yards. The npper courso is mether violent, and at somo places broken by rapids; lower down its current is regular and gentle. It is navigable for decked vesscls 12 or 14 nilcs from its mouth, and to Lake Champlain for bonts aud canoes. From Sh John there is a ship navigation to tho towns on Lake Champlaiu. By this river the produce of part of the stato of New York contiguous to Lake Champlain is brought to Montreal. At the mouth is the Lown of William Henry, or Sorel. The course of tho Chambly in Canada is above 70 miles. Tho St. Francis rises in the lako of St. Francis, which is about 18 or 20 miles long, and very irregular in breadth. The river issues from its west side, and ruus about 30 milcs south-west, where it turns to the northwest, and soon afterwards uniting with tho river Magog, flowing from Lako Memphramngog, it coutinues its course north-west to its juno tion with the SL Lawrence, a distance of about 70 miles. The numerous rapide and falls render the uavigation of this river difficult and laborious ; yet tho trade upou it is cousidcrable. The Chandiere risen in tho lake of Megantio, northeast of the sources of the Connecticut, and flows about half of its conrse north aud the other half north north-west, It is uot ravigablo, owing to the rapids and falls following one another in quick succession. About fonr miles from its mouth aro tho Chandiere Falls, which are 130 fect high, tho breadth of tho river not being more than an many yards. Few falls ean be compared with these for picturesque benuty. The course of the river ls luore than 100 miles. The conutry along the Si. Lawrence, below tho mouth of tho Chaudiere, rises from the bauks of the river in irregular ridges, with generally a stcep ascent, and attains a considerable elevation at the distance of 10,15 , and 20 milos from the river. It theu forms a sort of tablo-land, which doscends gently towarde the river St. John. Enst of Point Levy the bankes soon begin to lower, and for some oxtent are of moderate elevation. At St. Anne they rlse into isolated cliffs of considerable height, and contiuue so to Kamouraska aud 'st. Audrew'n. Farther down there is, closo to the river, a steep ascent, varying between 150 and 200 feot; and this elevation in still considerably increased opposlte Bio Island. From this part to Cape Roziere it maintains nourly tho same height and character, except at a few places where the rivers descend from the mountains. A very small part of this country is fit for cultivation, aud the population is
inconsiderable. The peninsula of Gaspe, extending between the mouth of the St. Lawrence and the Bay of Chaleurs, contains an ele vated valley, skirted by two ranges of high hills, which extend at a short distance from the St. Lawrence and the Ristigouche rivers and the Bay of Chaleurs. In the valley is a series of lakes, which send out rivers that cut the ranges and fall into the St. Lawrence or the Bay of Chaleurs. The settlements are few, and situated along the Bay of Chaleurs, the banks of the St. Lawrence being nearly uninhabited.

That portion of Lower Canada which is drained by the St. John and its tributaries, is in its lowest parts probably several hundred feet above the level of the sea. The St. Join River has three upper branches, which lie between $46^{\circ}$ and $47^{\circ} \mathrm{N}$. lat., and west of $70^{\circ} \mathrm{W}$. long., aud all unite near that meridian. The St. John, or, as it is here called, the Walloostoock, runs for a great distauce northeast through the state of Maine, parallel to the St. Lawrence, and between 30 and 40 miles from it. By degrees it declines to the east, and is here joined by three large rivers, the Allagash running from the south, and the St. Francis and the Madawaska both descending from the north. After its confluence with the Madawaska it turns to the south-east, and forms part of the boundary of the province nentil it enters the British colony of New Brunswick, through which it runs in a southern direction for more than 80 miles. Having passed to the south of $46^{\circ}$, it again turns to the east, and flows 80 miles in that direction, when it agaiu turns south, and after a course of about 60 miles falls into Fundy Bay with a wide æstuary. Its course within New Brunswick is above 230 miles; from the froutier of that province to its junction with the St. Francis is about 70 miles, and thence to its sourco about 100 miles. Though descending from an elevated country, this river is more navigable than the others which drain Canada, the lower course of the St. Lawrence excepted. The upper part of its courso, though not very deep, and in many parts rapid, is not broken by falla or rapids, Near the mouth of the Madawaska are the Little Falls, and at its entrance into New Brunswick the Great Falls, which are 75 feet in perpendicular lieight. Between these the uavigatiou is practicable for steam-boats. Below the Great Falla some rapids cccur, but they do not appear to be so strong as to interrupt navigation. Venscls of from 50 to 100 tons ascend to Fredericton, about 100 miles from the mouth.

Geology.-The geological character of Canada, so far as it has beeu ascertained, is in general granitic, with sandstune and calcareous rocks, the latter of a soft testure, disposed in horizontal strata. The banks of the St. Lawrence are in many places formed of a achistous substance in a decaying state; but still granite is everywhere found and always in strita more or less inclined. Cape Torment, 30 miles below Quebec, is a round, massive, granite mountain, about 1000 feet high, and the north shore of the river eastward of that point is generally of the primitive formations. Except in the manshos and swamps, rocks obtrude over all parts of the surface. In many places there occur deep fissures from six inches to two feet wide; the Indians describe some of thase rents as several miles long, and 40 or 50 feet deep; when covcred with the thick underwood they are at times very dangerous to the traveller. Intense frost may have occasioned these chasms; but the more receired opinion attributes them to some great aubterranean action, such as the tremendous carthquake recorded in a manuscript in the Jesuits' College at Quebec. The first shock occurred on the 5th of February 1663, and raged with great violence for fifteen minutes, extending simultaneously over 180,000 square miles of country. It continued afterwards to be fclt for nearly six months almost without intermission. In the neighbourhood of Quebec a reddish or dark gray slate generally appears, and it forms the bed of the St. Lawrence and of Lake Ontario as far as Niagara. Boulders of granite, limestone, sandstone, syenite trap, and marble occur throughout the same extensive region. The strata laid bare in the chasm at the falls of Niagars arc limestone, next slate, and lowest sandstone. The upper and lowermost of these strata compose the secondary formations of a large portion of Canada, and of nearly all the vast territory in the United States which is drained by the Missisaippi. Slate is often interposed between them as at Niagara. It is there nearly 40 feet thick, fragile like shale, and crumbling away from beneath the limestone, so as to afford strong ground for the opimion that there has been for many ages a continual retrocession of the Great Falls. The islands and the level shores of Lake Huron are a calcareous region abounding in organic remains. Part of the northern and eastern shores of Lake Superior present old formations-syenite, stratified greenstone, alternating five times with vast beds of granite. Great quantities of the older shell-limestoue are strewn in rolled masses on the beach. Amygdaloid occupies also a very large tract to the north, mingled with porphyries, conglomerates, and other substances. Frorn Thunder Mountain westward trappose-greenstone is the prevailing rock; it forms some strange pilastered precipices near Fort William.

Minerals.- The mineral resources of Canada are immense, but till very recently they have been almost wholly neglected. Marbles and rerpentine are quite common. Plumbago, ores of antimony, lead, fron, and copper are frequently met with. The mountains north of the Saguenay abound in iron to such an extent as to influence the mariner compass. The iron mine of St. Maurice have long been
celebrated for the excellence of their yield, aud metal not at all inferior is cheaply produced at Charlotteville near Lake Erie, and at the Marmora works about 32 miles north of the Bay of Quinte. The dreary wastes northward of Lake Superior contain, stores of copper, perhaps unsurpassed anywhere in the world. At the Coppermine River 300 miles from the Sault dc St. Marie the metal occurs iu great masses in a pure state. Gold, silver, and tin have also been discovered in the same region. The northern and western shores of Ontario abound in salt springs, some of which (Stony Creek and St. Catherine's) are very productive. The north shore of Lake Erie exhibits immense beds of gypsum which are quarried for agricultural purposes.
Soil, Agriculture, de.-The soil of Canada is generally good, as that made by the decay of forests for thousands of years upon substrata chiefly formed of the deposit from waters, must necessarily be. It is extremely fertile; in some districts wheat has been raised for 20 years successively on the same ground without manure. The grains cultivated in Canada are wheat, barley, rye, oatz, buckwheat, and maize. Wheat is the staplc of western Canada, aud it bears a higher price than any other in the markets of Montreal and Quebec. The potato crops are superior, and all the vegetables of the temperate regions of the Old World grow with great luxuriance. All the European fruits, and some even of the tropical, are produced abundantly in this province, owing to the richness of its soil and the great heat of the summer. Tobacco grows well in the western regions. Hemp and flax are both indigenous. The variety of trees found in the vast Canadian forests is astonishing, and it is supposed that many kinds still remain unknown. Of all these none is more beautiful and useful than the maple, the adopted cmblem of Canadian nationality. Its timber is valuable for many purposes, and large quantities of excelleut sugar are made from its sap. The other forest trees inost prevalent are beech, birch, elm, bass, ash, oak, pine, hickory, butternut, balsam, hazel, hemlock, chcrry, cedar, oypress, fir, poplar, sycamore, whitewood, willow, and spruce. Timber and ashes, the raw produce of the forests, constitute the chief exports of the province. An immense quantity of oak and pine is aunually sent down to Montreal and Quebec. The Anerican ashes contain a larger proportion of pure potash than those of Dantzic or Russia.
Zoology.-The wild animals of Canada nre deer, moose-deer, bears, wolves, wolverines, four species of the cat kind-namely, the cougar, the loupcervier, the catamount, and the manguay or lynx-foxes, hares, squirrels, \&c. The larger beasts of the forest are fast disappearing before the progress of civilisation; of the smaller ones many kinds still remain in diminished numbers. The beaver is now seldom found within reach of the white settlements.
The birds of Canada differ little from those of the same name in Europe. The only noxious reptiles are the puffadder, and two species of rattlesnakes; and these are rarely seen in the older settlements. The Canadian waters abound in fish of almost every variety Enown in England, and others peculiar to the country. Sturgeon of 100 lbs . weight are frcquently taken, and a giant species of pike, called the maskenongi, of more than 60 lbs . The trout of the upper lakes attain the weight of 80 lbs or 90 lbs . A fresh-water herring is found in great shoals in the lower lakes, but is inferior in delicacy to the corresponding species of the salt scas. Salmon are numerous in Ontario, but are never seen above the Falls of Niagara.
Climate- - The extreme range of temperature throughout all Canada is from $36^{\circ}$ below to $120^{\circ}$ above zero of Fahrenheit's scale; that is to say, from a point two degrecs above that at which mercury freezes to a tropical summer heat. The more inhabited parts of the province lie between $42^{\circ}$ and $48^{\circ} \mathrm{N}$. lat., and their lowest temperature is scarcely under $25^{\circ}$. But healthful and even agreeable as it is on the whole, the Canadian climate everywhere exhibits extremes of heat and cold far exceeding those incident to European countries under the same parallels. Its hygrometric condition is much more constant. Fogs are almost unknown except in the peninsula of Gaspé, and such is the dryness of the air that metals exposed to it aro seldom rusted. This remarkable peculiarity of a region so abounding in water, greatly mitigates the effects of both extremes of tempcrature on the humau frame; and the cold of winter is moreover tempered in its actiou thereon by the usual absence of wind during the greatest intensity of the frost. The prevailing winds are from south-west, north-east, and north-west. The south-west is the most frequent; it is gencrally moderate and accompanied by clear skies. Thunder storms are frequent, and often cause great damage. The aurora borealis is often seen and has a much greater brilliancy than in Europe. Waterspouts are sometimes formed on the great lakes.

Circumstances of position and local configuration occasion corresponding varietics of climate in Canada. In the eastern division of the province the fall of anow begins in Novemher and is completed by the end of December, when there ensues perfectly calm frosty wea ther, with a beautiful clear blue sky. By the first or second week of May the snow has all disappeared, summer is fully established, and tbe vegetation which had been in retive progress for a month or more under the suow breaks forth in profuse luxuriance. The climate of Canada West is milder and more equable than that of the eastern division, which along with the humidity of the atmosphere arising from the oxtensive surface of water presented by the great lakes, makes the climate particularly farourable for the cultivation of

Whent and other corcala In Cunada Weat outdoors work may be prosecutal at all moaons, but in Canada Fant thi is oceasionally readenal lmpracticalvo by the eneraty of the cold. The durstion of winter is leas by six or eight weeke in wome parta went ward than in Monernal. Tho enth in Canads Wient fa meldoun frozen suore than I? or 13 inches deep, and the covering of soow is gonernlly not more than a fout and a half or two foet thlek. The tanximum heat of summar seldom excouls $\$ 5^{\circ}$, and it in generally tompered by pleanant breezes from the lakes. From obcorvatione malo in her Majoaty's obvervatory at Toronto, it appeaned that the highent mean maximum wan in the month of July, when It reached $88^{\circ} 11^{\circ}$, and the lowent mean minimun was In the month of December, when it ntood at $3.52^{\circ}$. The munal mean was $44.59^{\circ}$. The obeerratione extented -ver eloven seam, 1810-50.

The great laken aro never icebonnl in thoir contuat The St. Law rence If fromets over every winter from Montreal to the Ifichelion Raplds, but from thance to Quebec only once in nbout five yearm The ntesmboats on the St. Lawronce and Lake Ontrio nehlom ceaso running till near Christmas, and from Torouto to Niagnu they gonemally contiaue to run through the whole riuter. The navigation is entiraly re-opened by the firet or second week in May.

Canada liest la ectled for the most part by enigrants and the devoendarats of emigrants from Great ltritaiu and Ireland, tho Irieh having rather a majority. In some lounlities there are inrge settlemente of Ponnsylvarian Cermans Canada East is inhabited principally by the descendank of the old French acttlers, with the oxception of Quebec and Moutreal, where there ane Iarge trading populations of British origin, and the eastern townships which the British American Land Company Lave for nome time been engaged in act tling with British emigrants. Tho Indiaus in Canada belong to two uations, the Chippeways or Ojibbeways, and the Mohnwks or Iroquois. The former are dispersed over the countries bordering on lakes Superior and Ilnron, the latter along those bordering the St. Lawrence nnd between lakes Ontario, Erie, and Huron. A few of them hare settled in villages and emhraced Christianity; the rest aro huuters withont gixed aboula. Their numbers handly maount at the largest eatimato to 16,000 , and aro continually decreasing especially in the neighbotriood of the white settlementa. The Cauadians of Freneh origin have preaerved their native language, but they generally epeak it ineorrectly, and with some intermixture of English words. They are Roman Catholica; they have their owu peculiar code of laws-that, namely, which wat in une in the times of the ancient French momarchy, and is called 'Contumes de Paris;' and lastly, they hold their lands $\mathrm{by}_{\mathrm{y}}$ an antiquated feudal tenure that acts as an effectunl bar to all improvement. The unture of this tenure will be explaiued herenfter. The Ottawa Ikiver to about 20 miles from its confluence with the St Lawreuce, forms the boundary between the two uain divisious of the prorince.

Loner Casiads, or Casada Fast, is divided into 36 counties, the names of which we give hero with the population of encl? in 1851 :-Beauharnoin, 10,213 ; Bellechasse, 17,952 ; Berthier, 34,608 ; Bonarenture, 10,844; Chambly, 20,576; Champlain, 13,896; Dorchenter, 13,105; Drummond, 16,562; Gaspe, 10,904; IIuntingdon, 40,645; Knmourtasm 20,396; Leinster, 29,690; L'Islet, 19,641; Lotblnierre, 16,567; Mégantic, 13,835; Misaissquoi, 13,484; Montmorency, 9598 ; Muntreal, īt,381; Nicolet, 19,657; Ottawn, 22,993; Portneuf, 19,366 ; Quebee, 61,526 ; Richelieu, 25,686 ; Ronville, 27,031; Kimounti, 20,882; Saguemay, 20,783; St. Maurice, 27,502; SL IIyacinthe, 30,623 ; Sherbrooke, 20,814 ; Shefford, 16,482 ; Stanvtear, 13,898; Terrebonne, 26,791; Two Mountaine, 30,470; Vaudreuil, 21,429 ; Vercheres, 14,393 ; Vamaske, 14,748;-total population of Canade Fenst, 890,261 .
In Canala Eant aro Montreal, which was selected at first as the capital of the united province, and Quebec [Montaral; Quesec.] Tho other towne are Three livers, St. Hyacinthe, Sherbrooke, and Sord. Three Rirers is prettily situntod at the confluence of the St. Sanrice with the Sit Lawrence, and has a population of 4936 . There are iron mines near the town. There is a considerable trule in pot and pearl-whes. Three Rlvers is one of the depots of the north. weet tradern, and is on the whole a place of some importance in a comrnercial point of riev. S. Hyacinthe, population 3313, in St. Igacinthe county, in nituated on the left bank of the Yanaska River, about 80 milen E: by N. from Montrenl. It is the seat of a college. Sherbrode, population 2998 , the dintrict town of the eastern Cownhips, in mitusbed at the junction of the Magog with the St. Francis River. It extenive command of water-power gives it great facilities for manufactures. The dalef publio building here is the courthouse
 of the Kicheliou and the St Lawrence, is likely from ita advantageous stuntion to be of much grater importance than it has yet attrinod. By tho Chambly Casal there is communication between Lake Champlain and the SL Lawrence at 8orel. There in also a railway on the enme lise of route.
The following villagen in Comula Fant may be anmod with the population of each in 1851 :- Aylmer, in Ottawa county, near the bordern of Canarla Fiat, population 1100 ; Batiscar, in Chasnplain county, population ebout iso; Bewhernoin, In Beanharnoin connty, population 8.4 ; Berthierea haus, propulation about 1000 ; Chanbly,
population, $\$ \$ 4$; Cote St. Louin, in Montreal county, yes; l'raserviile, in limoukl countr, 905 ; IIuntingdon, in Beanharnois county, $6 \% 9$ Lachlue, in Montrail conuty, 10-5; Laprairie, in Ifuntinglon county 1757 ; L'darumption, 1084 ; Lougueuil, 1490 ; Moutmagny, iu L'lsle: county, 1221; Si [:ustacho, 784; Sh Johu's, Chambly county, 1215; SL Onr's, Richelicu county; 542; St. Thérean, Terribomuc county, 1120.

Utper Casada, or Casada Wirat, is divided juto 12 counties, fullowa:-Addington, population 15,165; 13raut 25,420; Bruce, 2337; Carleton, 31,397; Duudas, 18,811; Durlam, 30,782 Filgin, 25,413; Fesex, 16,817 ; Frontenac, 30,185; Oryy, 18,21"; (Glen Eary, 17,506; Grenville, 20,707; IIAllimand, 18,7SS; Inalton, 18,3229 Iraitinge, 31,975; IIuron, 19,198; Kent, 15,169; Lamhton, 10,815 Lamark, $27,31 \%$; Loode, 30,250 ; Leuox, 7055 ; Lincoln, 23,865 ; Mid dlemex, 39,899; Northumberland, 31,299 ; Norfolk, 21,281; Ontario 30,5i6; Oxford, 32,688; I'vel, 21,816; Pertle, 15,515; I'cterboro' 15,237; Prencoth, 10,487; 1'rince Edward, 18,58i; Renfrew, 9415 llusel!, 2570 ; Simcoe, 27,105; Stomnont, 14,643; Victoria, 11,65" Waterlow, 26,537 ; W⿵ellington, 20,798 ; Welland, 20,141 ; Wentworth 42,619; York, 72,718;-population of Cauada Weat, 052,004 . Total population of Canada, $1,8 \$ 2,265$

Canadin Weat contains the cition of Torosio, Ilamilton, and Kingston. Ilamilton is beautifully situated at the western extremity of ]urlingtou [3ay, wear the shore of Lake Ontario. It was founded in 1813, and becance an ineorporated town in 1833: the population in 1851 was 14,112. The construction of the Burlington Canal, $n$ ehort cutting which opena a clear navigation into Lake Ontario, anc the improvements of the Desjardins Canal, 5 miles loug, whieh con nects Ilamilton widl the manufneturing town of Dundas, have muel promoted the pronperity of the place. It is the distriet town of Gor district, and as such contains the cuurt-house for tho dintrict ausl other jublic huildinga. The streets aro well laid ont, and many of the houses are built of stoue. There are two narkethouses, ene of them ineluding an upper story used as the town-liall, a cuntom-house a post-office, and a theatre. There are places of worship for Episco palians, Presbyterians, Weslcyan Methodists, Independents, l3aptints, Fosnan Catholics, and others; newerooms; and a mechanies institute. Good roads extend in all directions from the city, and uumerous stage-coaches keep up communication with the surrounding districto Steam-vessels ply regtilarly during the season to Tononto and to Qneenstown and Niagam Hamilton has much increased iu commer cinl importanco of late yeara The Great Westera railway, uniting Hamiltou with Windsor on the Cauadian side of the Detroit IRiver, will when completed open up a direct communicntiou with the eastern states of the Anserican Uuion. The line, which is in all about giz miles in length, has been finished to Iondon, or about lialf the entire distance. Kingston, population 11,585, situated on Lake Ontaris distant 199 miles S.W. from Moutrenl, and 177 miles liN.E. from Toronto, was incorporated in 1838. It is advantageously situated at the begiming of the llideau Canal and the Cataraqui River, aud in important in a military as well as a commercinl point of view, heing the key of the central St Lawreuce, as Qnebec is of the river's zea ward extremity. In its neighbourhood is Nary Bay, a uarrow ani deep inlet of Lako Ontario, which is the chicf naval station on the lakes. The market-louse, which contains also the post-office, tho town-hall, and several public offices, is a handsome atone building of considerable dimensions. There are places of worship for Finiseo palians, Presbyterians, Wesleyan Mcthodiste, Baptistr, IRnma: Catholics, and others. There aro liere a Preabyterian college, an hospital, a mechanies institute, and news-rooms. Ship-bnilding in carried on. A bridge nearly 600 yarda long crosses the river Cata raqui at Kingstou. There are several mineral eprings in the vicinity

Of the towne of Canala Wert the following may be noticed: Amberstbury, a garrison town on the Detroit Iliver, population 1S80, is fincly situated, the brukn of the river in the vicinity of the town beung very heautiful. The town received in 1845 a charter to liold a fair twice a sear. There are Expiscopal, Preabyterian, Metlodist, Baptist, and Roman Catholic placen of worship, a court-loune, now: and readiug.rooms, and a market-place British and Americn steamers frequently call. Several handsome dwelling-honses are in the neighbourhood of the town. Barrie, population 1007, commencel? in 1832, in now the dietrict town of Simcoe district. One of the milway projecta of Canmia is a line from Toronto to Barrie. Ther are in the town a courthouse, ecveral placen of worship, a mechnuic institute, and a jail. Stean-vesaels ply on Lake Simeoe, which Ly the river Severn communicates with Ueorginn Bay aud Lake $11 u r o n$ Belrille, population 4569 , situatod about 50 miles W. from Kingston on the Bny of Quinte, in a place of considerable trude. There aro here a courthous for the dintrict of Vietoria, several places of wordhip, and some other public buildings. Staam-vessels call regnlarly at Belville. Brantford, population 3877, on the left bank of the Grand River, abont 74 miles W. by S. from Hanilton, was commencord in 1830. A canal about 21 miles long with three locks eunhles vessels of moderate draught to rencli the town, thus avoiding the falls of tho Grand River. There are chapeln for Episcopalians, Presbyterinna, Independeats, Baptiats, and Roman Catholics. Grist-mills, fulling mills, noap-factorien, and other entablishments give considerable cinployment. Brockille, population 3246, sitnated on the river

St. Lavrence, about 56 miles N.E. from Kingston, was founded in 1802 ; it is now an incorporated town. Most of the houses are built of stone, and the town has a handsome appearance. The court-house and jail, and the churches, of which there are sevcral, are stonebuildings. Tanneries, saw-mills, a brewery, and other works employ some of the inhabitants. Steam-vessels call at Brockville on their passage. Chatham, population 2070, on the left bank of the river Thames, 66 miles S. W. from London, and 50 miles E. from Detroit, is a thriving town, with an increasing trade. A steam-vessel belonging to the place maintains a regular communication with Detroit and Amherstburg. There are here sav-mills, tanneries, pottery works, \&c. Sereral places of worship are in the town. Coboury, population 3871, is situated on gently rising ground, on the bank of Lake Ontario, 103 miles W. by S. from Kingston, 72 miles E. by N. from Toronto. The town is well built, and has a good appearance. The harbour and lighthouse are of recent construction. There are churches for the loading denominations of Christians, a courthouse, a mechanics institute, \&c. Victoria College, founded by the Wesleyan Methodists, but not exclusive in its management, is supported partly by a legislative grant. $1 t$ has tbe power to grant degrees. There are here a large cloth-factory, mills, and other works. Cornvacill, population 1616 , situated at the termination of the Cornwall Canal in the St. Lawrence, was incorporated in 1834. Tbere are many good ${ }^{\text {stone }}$ dwelling -houses, several churches, and a court-house and jail. Some tanneries, a foundry, and other establishments give emplopment. Dundas, population 3517 , a manufacturing town, about 5 miles N:W. from Hamilton, possesses extensive water-power, which has contributed much to its prosperity. The town is surrounded on three sides by high tableland, usualiy termed 'the mountain;' from this high land frecstone and limestone are procured and exported. There are several chapels in the town. There is a mechanics institute. Goderich, population 1329, on Lake Huron, at the entrance of the Maitland River, was laid out in 1827 by Mr. Galt, who was at that time Secretary of the Canada Company. The town is finely situated on rising ground, more than 100 feet above the level of the lake. It is about 60 milcs N. by W. from London. An expensire harbour was constructed, and a liglithouse was placed at the port, but the town has not been very successful. There are several churches, ${ }^{\text {a }}$ court-house, breweries, tan•yards, \&c. Guelph, population 1860, tho districttown of Wellington district, about 42 miles N.W. from Ha milton, was laid out by Mr. Galt iu 1828. It is plea anatly situated ou elerated ground. The Episcopalians, Presbyterians, Weslcyan 3ethodists, Independents, and Roman Catholics have places of worship. London, population 7035 , is finely situated at the junction of two branches of the river Thames, 85 miles W. by S. from Hamilton. 1t was laid out in 1826 by the crown, and was incorporated in 1840 . London suffered severely from fire in 1844 and 1845 , but the appearance of the town was much improved by the handsomo strects of fine buildings which were subsequently erected. St. 1'aul's Episcopal church, erected by subscription to replace tho edifice burnt down in 1844 , is a beautiful gothic structure with a square tower surmounted with pinnacles. The courthouse and jail, built of brick in the form of a castle ; commodious barracks ; two market-buildings; a theatre, and a handsome station of the Great Western rail way are among the public buildings of the town. There are good roads in the vicinity. Mlachiue making, tanning, brewing, \&e. are carried on. The central section (Hamilton to London) of the Great Western railway was opened on December 15th, 1853. Niagara, population 3340 , the district-town of Niagara district, 48 miles E.from Hamilton, was for a few years, under the name of Newark, the capital of the country. It was incorporated in 1845 . There are here several churches, a town-hall, and a courthouse. The Niagara Harbour and Dock Company, incorporated in 1830, havo constructed in their ship-yards numerous bargea, schooners, and steam-veseels. Considerable quantities of apples, peaches, and cider are ahipped annually from the port of Niagara. Perth, population 1916, tho chief town of Bathurrt district, distnnt about 40 miles N.W. from Brockville, was laid out by the government in 1816. It stands on the river Tay, which is made navigable to the Rideau Canal by a branch canal about 11 miles in length. Tho town contains seven places of worrahip, a courthouso and jail, and many good dwelling-houses built of stone. Whito marble is found a forr miles from the town. Peterborough, population 2191, occupies a beautiful situation on the Otonabee or Trent River, about 34 miles N.N.W. from Cobourg. It was commenced in 182G, is well laid out, and has a handsome appearance. Part of the town on the east or left bank of tho river is called Yeterborough East. Mlost of the places of worship are built of stone. On an elevated site behind the town is the courthouse and jail, a handsome stone edifice. There arc here woollen manufactories, fnlling-mills, saw-mills, chair-factories, breweries, \&cc. Picton, population 1569, chief town of Prince Edwarch district, is fincly situated on the Bay of Quinte. It is an old town, aud contains many good stone houses. Steamers call here on their passages between Kingston and Trent. There are several places of worahip, a courthouse and jail, and a library. A good deal of trade is carried on. Wheat, flour, butter, leather, \&c. are exported. Port Hope, population 2476 , on Lake Ontario, about 8 miles W. from Cobourg, between Toronto and Kingston, is built on the side of a hill commauding interesting viows of lake and inlound scencry. It
oEOQ. DIT. YoL, II.
contains some haudsome buildings, including four places of worship. Wheat, flour, and timber are the chief exports. Prescott, population 2156, on the St. Lawrence, about 12 miles N.E. from Brockville, possessed considerable trade provious to the opening of the Rideau Canal, but since then it has not made rapid progress. Among the buildings are four places of worship, and a custom-house. At this place the river is about a mile and a quarter broad. A good deal of pot- and pearl-ashes is exported. Sandwich, population not given separately, on the Detroit River, is finely situated and well laid out. It is one of the oldest towns iu Cauada, and has assumed very much the appearance of an English country town. Many flower-gardens and orchards are kept by the inhabitants. The Episcopalians and Methodists have places of worship in the town. Simcoe, population 1452 , the chief town of Talbol district, is situated near the shore of Lake Erie, about 24 miles S. by W. from Brantford. Grist-and sawmills, a carding-machine and fulling-mill, with other establishments, furnish employment. St. Catherine's, population 4368, on the Welland Canal, about 12 miles W. from Niagara, occupies a beautiful situation, and possesses a good trade. Ship-building is carried on. Great quautities of flour are annually exported. There are six places of worship. Woodstock; population 2112, chief town of Oxford county in the Brock district, about 32 miles E.N.E. from London, is pleasantly situated. It is composed of East and West Woodstock, forming one street of about a inile long. There are six places of worship, a court-house, and a mechanics institute. Considerable trade is carried on.

A few of the villages may be named:-Bath, in Addingtou county, population about 700. Chippawa, population 1193, laid out in 1816, on the Welland River, has a good ship-building trade. The Niagara Harbour and Dock Company have a ship-yard at this place. There are several chapels. Tauning, iron- and brass-founding, waggonmaking, \&c. are carried on. Galt, population 2248, on the Grand River, is situated in a low valley about 25 miles W.N.W. from Hamilton. It possesses good water-privileges, which have favoured the growth of manufactures. The streets aro well laid out, and the houses are generally of stone. A considerable quantity of flour is exported. Ingersol, population 1190, on the east branch of tho river Thames, about 22 miles E. from London, was commenced in 1831. It possesses three places of worship, several mills and foudrics, and a good trade. 1t has increased considerably of late years. Osleara, population 1142, about 33 miles N.E. from Toronto, in the midst cf a farming district, possesses a considerable trade. Several branches of manufacture are carried on. The principal articles of export aro wheat, four, aud lumber. There are three places of worship in the village. Paris, population 1890, on the Grand River, about 22 miles W. from Dundas, was named Paris from the large quantities of gypsum, or plaster-of-Paris found in the vicinity. The villago is finely situated, and is increasing in importance. There are five places of worship. Largc quantities of wheat, lumbcr, and plaster aro exportcd. Preston, population 1180 , about 3 miles N.W. from Galt, chiefly inhabited by Germans. Tho village was commenced in 1834. There arc chapels for Lutherans and Roman Catholics. Richmond, population 434, on the Goodwood liver, about 20 miles S. by W. from Bytown, was laid out in 1818 by the Duke of lichmond. There are three churches. A small trade is carricd on. St. Thomas, population 1274, about 17 miles S. from London, is agrecably situated, and possesses a good trade. There aro six places of worship. Thorold, population 1091, situated on a hill about 4 miles S. from St. Catherine's, is on the line of the Welland Canal. It contains three places of worship, several mills, a brewery, and other establishments.

IIstory, Government, dec.-Canada was first discovered by John and Sebastian Cabot in 1497. In 1525 it was visited by Verazani, a Florentino, who took possession of the country for the king of France. In 1535 Jacques Cartier, bearing a commissiou from the French hing, explored tho river St. Lavrence, which he so called from his baving first entered it on St. Lawrence's day ; but it was not until 1608 that the first permanent settlement, of which there is any record as having been made by Europeans on the coutineut of North Amcrica, was formed by tho French nuder Champlain, on the spot now occupied by tho city of Quebec. Settlcmeuts had beeu made about 1604, or the year following, under grants of Heury IV. of France, ncar tho river St. Croix, and at Port loyal ; but these settlements wore broken up in 1614, owing to a successful attack upon them by Sir Samucl Argal. Quebec surrendered to the English under Kirk, in 1629, but was immediately restored to France, peacc having been established with that country in April of that year. In 1663 tho colony was constituted a royal government, and tho governors wero thenceforth appointed by the king. Canada continued a possession of Franco until 1759, in which year Quebec was taken by General Wolfe, and the province was ceded in full sovercignty to Great Britain by the treaty of Paris in 1763. Tho affairs of Canada were regulated by the ordinances of the governor alono till 1774, when under an Act of Parliament called the Quebec Act, a legislative council of 23 membors was appointed by the king. The form of government was subsequently altered by an Act styled the Constitutiou of 1791, under the provisions of which Canada was divided into an upper and a lower provincc. To each province was assigucd a constitution consisting of a govornor, an executive comeil appointed by the crown (similar
to tho priry conneil in Eanghadi), a lesiolativo council, the mernbons of rhich wese appulated for life by the king, and formel the eocond emete, asd a mprowatative asembly, or third extate. elected for four yeare A long eaurse of violeat dlemenions between the proviacial llomsen of A cocmbly nad tho reppectivo excoutive governmente reached their climas in 1537, when ill-oncerted and futile attempta as isnurrection were mado is both provinces. in the following year the Earl of Durham, who had been appointed governor of Canada and high comminioner for the adjuntrnent of Caumlias affuim, made a roport, is socontunco with which the Act S and I Vlct c 35 , for the resumion of the provinces whs paned on the 23 rd of July, 1840 . Thla Act anthorises the appointment of a legislative council by the crown of not fower than 20 membern ; and enacta, that the tro provlyee shall retnrn en equal number of represeutatives to the llouse of Amembly (at present 12 each); that the city of Toronto ehall retura two members, and tho towns of Kingaton, Brockville, IIamilton, Corawall, Iiagam, London, and Bytown, in West Cnnada, ono eech ; thet the cities of Quebec and Montreal shall return each two memliers, and the towne of Threo Rivers and Sherhrooke one each; that the mesolers of the Howse of Asemhly shall bo elected for four jeare ; that all write, proclamations, jourmals, \&c. of the council and amembly shall be in the Foglinh language oaly; that tho entire dutien and ruvenues of the province nhall form one consolidated fund, and the sum of 75,0001 . is specifically appropriated for the civil goverumeat of the provlsec. The Act was hrought into operation during the administration of Mr. Ponlett Thomenn, who was created Lord Sydesham. The Houre of Assembly also prased, with his assent, the 'responsihlo government' resolution, for the permanent estahlishmant of this eystem, whereby the governuent of the province for the time being is identified in policy with the majority of the representalive body.
The teaure of land in the Seignorial districta of Lower Canada, that is, with two exceptions, of landy granted by the crown of France, is as followa :- A tract of land, varying in extent-hut sometimes large, as in the case of the seiguory of Beauharnois, which io six square leaguee -wy granted to a seignor, or lord of a manor, to regrant to others at acertain fixed rent (cens). The seiguor held of the crown upon the accustomed rents and ducs, according to the custom of Paris: he had a local legal jurindiction, which is now abolished; ho porformed homage on a mutation of possession; he was to roside by the express condition of some grants (fenir few et lieu); certain tinuber was to be rewerved for public purposea; ho was to make roads; he had the privilege of trading with the Indians; with certaiu other privileges and obligations. Any settler, not already possessed of land, was entitled to demand of right, from the seignor, a grant of waste land, usually of about 90 acres, at the accustomed rent, commonly a 'sol' or penny an acre-a reat of the naturo of our chief reat In free and comanon nocage mnore; the grantee was personally to occupy his land under the penalty of its re-union to the domain; ho was to clear the land; to make and repair romds; with some other provisions of a eimilar lind. The syetem had many advantages. The settler had no more Innd than his means enahled him to cultivate; what he reccived he was to cultivato; bo was to reside; ho was not required to apply any part of hia previonmly-tcumulated gains in the purchase of lis land, and the whole of his capital was free to ho ctaployed iu agriculture. As hle family increased, his children were emahled to apply for new grante, and to oxtond the settlement of the country:

Upous tho estahlishmont of the Engliah authority in Canada, the enforcernent of the law against the tenants continned, but was neglected by the crowu ngainst the seignors. The mill-service has heen shused by conditions of grants that no mill of any kind shall he erected hy the tenant. The accustomed rent has been increased, as though it was a farm rent, and this lian also been done to ovade the penaity of forfeitaro imposed on the seignor In case he sold the land for a fyed sum. The ahunes of the system occasloned many complalnt in the provinco, connected also with a otrong feeling In favour of the commutation of the fine payahlo on alionation. But instead of auhmitting the ubject to the Provinclal Legislature, which wns perfoctly competent to deal with it, the government passod the 1 mpe rial Act of the 6 Geo. IV. a. 59, called 'the Canadn Tenures Act,' which pleced rnetern in a worsa atato than before. Instead of enforcing on the eignom the duty to make granta, which many refused to do; placiog the rent in a ubiform state, and checking the ahuses of the wignors; thin Act eanhled the cotgnorn by payiug the fiflh (guint) to the crown on the alionstlon of land, to have the tenure of the land commuted loto free masl common moenge; the wate lands, whleh they only held on trunt for publio purposs, becanno private property; and the teunnth, whome griovancen were alleged to justify thin mensure, were lef more completely at the mercy of the meiguon than before.

Thers aro 223 molgnorio In loower Cansela. They aro almont incloed hy the townships, or lauth held f froo and common nocage. In Upper Canale the land ts heln upon the tenuro of freo and common sorena. The aytem of land-holding in dufectivelu not beling connecter with a general ladd-tax on all werto landa not in the poasen. don of the crown.

Ily the natabliabmont of the Canala Company, wlalch wes incorporated by Act of l'arllament and by Royal Chnrter In 1826, a connderable lmpulno was giren to emigration from the mother country to

Canada, and to the nottlemout of many parte of the proviuce. Many publio workn, and improvetwonta, such as roads, bridges, dic., lave beeu executed by this compmy, and by the British American Land Compnay", which was inourporated hy lRoyal Clanter and Act of Parlinmout iu 1884. The following table shown the mbount of emigratiou from the United Kingdom to all parts of the world, and the proportion of emigrants who weut to ISritisls America is the four yeara 1849-52.

|  | 1849. | 1850. | 1851. | 1852. |
| :---: | :---: | :---: | :---: | :---: |
| Total Emigration from the Linited Kingdom | 209,403 | 289,840 | 855,060 | 861,6\% 5 |
| To Brithah North America from the fralted kinglom | 41,367 | 32,001 | 42,605 | 32,8:0 |
| of which, from Ireland. | 26,368 | 19,784 | 23,930 | 17,603 |
| from England. | 0,332 | 10,132 | 11,685 | 0,538 |
| from Scotland. | 3,447 | 8,025 | 7,000 | 5,615 |

Of the population of Canada Liast, 890,261 , as many as 669,528 are nativen of Cramaln of French origin, and 125,550 are Canadiann of other than French origin; 51,499 are of lrish origin; 14,565 of Scotch; 12,482 are from tho Uuited Statea of North Amcrica; and 11,230 from linglaud aud Walea. The romainder is composed of natives of tho European contineut, aud of our own colonies. lu Canada West, the population of which is 952,004 , the Canadians of French origin number 26,417, and the Cauadians uot Freuch, 626,093: tho 1rish, 176,267 ; English and Welsh, 82,699; tho Scotch, 75,811, uatives of the Uuited States, $43, \stackrel{732}{ }$; uativen of Germany and Holland, 9957 . With respect to the whole of Canade, of whioh the total population is $1,842,265$, tho seven principal items stard an follows :-Canadians of French origin, 695,945; Canadinns, not Fiench, 651,678 ; 1rish, 227, 266 ; Euglish and Welsh, 93,929 ; Scotch, 90,376 ; natives of the United States, 56,214; of Germany and Holland, 10,116. At the time of the surrender of Canada to Grent Britain, the population was chiefly Freuch, and located in the lower province. Although this class has not beeu much iucreased hy immigration, its numhers bave in the course of 90 years incronsed about 1000 per cent. The progress of Canada Weat has heeu otill more remarkahle. Iu 1791, the date of the Constitutional Act, the population was 50,000 ; in 1811 it was 77,000 ; in 1824 it was 151,097 ; in 1832 it was 261,060 ; in 1842 it was 486,055 ; in 1851 it amounted to 952,004 .

The agricultural cenaus in 1852 shows the following resulta:
Canada East:-Occupiers of laud, 94,449; of whom 13,261 hold 10 arpents and under; sud 4585 held nbovo 200 arpents. The number of arpents hold amouuted to $8,118,915$; of which $3,605,51 \%$ arpents were under cultivation; $2,072,958$ under crops; $1,502,855$ uuder pasture ; and 80,109 in gardens. There were $4,508,598$ arpents in wood or wild laud. The arpeat, which contains about six-soveuths of an acre, is the common measuro of land in Lowcr Canndn. Of the laud under crops 427,111 arpents produced $3,075,868$ huslels of wheat ; 42,927 produced 608,616 hushele of harley; 46,007 produced 841,443 bushels of rye; 165,192 arpeats produced $1,182,190$ hushels of peas; 590,422 yielded $8,967,594$ hushels of oats; 51,681 produced 530,417 bushels of buckwheat ; and 22,669 arpeuts prodnced 400,287 buahels of ladias corm. Of potatoes $4,456,111$ bashels were yielded by 73,244 arpents ; of turnips 369,909 bushels by 3897 arpenta; of clover and other grass-sceds thero wero mised 18,921 hushels; of carrots 82,844 hushels ; of mangel-wurzel, 103,999 bushels ; of beans 29,602 hushels; of lops, $111,158 \mathrm{lbs}$; of hay, 965,653 tons; of flax and hemp, $1,867,016 \mathrm{lha}$. The amount of tobacco obtained was $488,652 \mathrm{lhs}$; of vool, $1,430,970 \mathrm{lbs}$; of maple sugar, $6,190,694 \mathrm{lbs}$; of cider, 53,827 gallons; of fulled cloth, 780,891 yards; of linen 889,523 yands; of tianuel, 860,850 yurds. The live stock includod 111,819 oxen, 291,514 milch cows, 180,917 calves or heifers, 236,077 horses of all agea, 629,827 sheep, and 256,210 pigs. The dniry produce amounted to $9,637,152 \mathrm{lbm}$ butter, and $511,014 \mathrm{lhn}$ cheese. Of provisions thore wero prepared 68,747 harrela of heef, and 223,870 harrels of pork. Tho fish cured amounted to 48,868 barrels.

Canada West-Occupiers of laud, 99,860; of whom 9976 had 10 ncres and under, and 9080 had above" 200 acrea orch. Tho total nuuber of acres held was $9,823,233$; of which $3,697,724$ acres woro under cultivatiou, 2,274,586 were under cropm, 1,967,644 were under pastare, and 55,489 were In gardens. of wood or wild land there was an cxtent of $0,125,509$ acrea in 1852. Of the laad nader crops, the proportions devoted to the different productions stood thus:Wheat, $7 \$ 2,115$ sares, produce $12,692,852$ hushels; harley, 29,916 acras, prodaco 625,875 hushels; ryc, 98,968 acros, produce 479,651 bushols; peas, 192,109 ncres, produce $2,878,994$ bushels; onts, 421,684 acrea, produce $11,193,844$ hushels ; huckwheat, 44,265 acren, produce 689,981 husholn; luclian corn, 70,571 acres, produce 1,696,518 hushels; potatocs, 77,672 acres, produce $4,987,475$ hushels; turnips, 17,135 acres, 1 noduce $3,044,942$ hushols ; clover and other grass-tecds, 42,460 buelicls; carrota, 174,895 bushels; mangel-wurzel, 54,226 hushcle: berns, 18,109 hushels; hops, 119,064 lhse hay, 651,782 cons f fax and hemp, $50,650 \mathrm{lh}$, Of tobaoco, the production amounted to $764,476 \mathrm{lhm}$; of wool, $2,699,764 \mathrm{lle}$; of majle sugar, $3,581,505 \mathrm{lbn}$; of cider, 701,612 gallons ; of fulled cloth, 527,466 yards liners 14,955 yarda; and flannel, 1,100,801 yarda. The livo atock included

193,982 oxen ; 296,924 milch cows; 254,988 calves and heifers; 203,300 horses of all ages; 968,022 sheep; 569,257 pigs. The dairy produce consisted of $15,976,315 \mathrm{lbs}$, of butter, and $2,226,776 \mathrm{lbs}$ of cheese. Of provisious there were provided 817,746 barrels of beef, and 528,129 barrels of pork. The fish cured amounted to 47,589 barrels. Canada receires from the United Kingdom coals, metal, cordage, East India produce, and the various kinds of British manufactures; from the British West Indies, sngar, molasses, coffee, rum, and hard woods; from the United States, beef and pork, biscuit, rice, and tobacco. The exports of Canada are :-To the United Kingdom, pot- and pearl-ashes, wheat and flour, and timber ; to the West Indies, beef and pork, beer, grain, and flonr; to the United States, forest produce, wheat, flour, butter, wool, live stock, \&c. The imports and exports for four years (1848-51) were as follows:-

|  | Impor |  | Expo |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | d. $d$ | £ | 3. | d. |
| 1848 | 2,629,584 | 1711 | 2,302,830 | 17 |  |
| 19 | 2,468,130 | 69 | 2,193,0;8 | 0 | 3 |
| 1850 | 3,489,466 |  | 2,457,886 | 1 |  |
| 1851 | 4,404,409 | 02 | 2,663,983 | 14 |  |

Tho exports in 1851 consisted principally of the following divisions:Products of the forest, value stated, $1,245,92 \mathrm{~T} .18 \mathrm{~s} .5 \mathrm{~d}$.; animals and their products, 182,366l. 16s. 5 d. ; vegetable food, $773,9162.28 .2 \mathrm{~d}$. ; other agricultural products, 7811 l . 18.7 id ; products of the seas, $51,225 l .5 \mathrm{~s} .6 \mathrm{~d}$. ; products of the mines, $17,826 l$. 7 s . 5 dh ; manufactures, 11,327 l. 10s. 3 d
The progress of wenth in Canada West may be seen by comparing the amount of assessible property, returned at varions periods, as follows:-In 1825 the amount of assessible property in Upper Canada was retnrned at $1,854,965 \mathrm{l}$; in 1830 it was $2,407,618 l$.; in 1840 it was $4,608,843 \mathrm{l}$. in 1845 it was $6,393,630 \mathrm{l}$; in 1852 the total value of asassible property in Upper Canada, as valued under an Act passed in 1850, which included some kinds of personal property previously exempt, amounted to $37,695,931 l$.; and even this appeare to be considered short of the real amount by at least 20 per cent.

Since 1849 the policy of the government has been to alionate roads, bridges, harbours, and some other public works, and to dispose of them to privata companies, with certain stipulations as to the continued efficiency of the respective works. Besides these however there are several works of provincial importance which are in the hands of government, snch as the St. Lawrence and Welland canals, the Erie Canal, \&c. The total cont of these works to 10t January, 1852, was $2,834,234 l$. The net revenue in 1851 was $48,278 l$., or less than 2 per cent, on the outlay. The revenue is increasing. With respect to railways, the Provincial Act, 12 Vict., cap. 29, passed in 1849 , provided that in no case should government adrance more thau half the amount cxpended on the works, and that the whole resources and property of the companies should be pledged for the redemption of the advances with interest. On this principle public aid has been extended to the following rail waym, undertaken since the passing of the Act of 1849 :St. Lawrence and Atlantic railway, from the St. Lawrence opposite Montreal, to the frontier line, length 126 miles; the Ontario, Simeoe, and Huron railway, from Toronto to Lake Huron, 90 miles; Great Western, from Hamilton to Windsor, 228 milcs; Quebec and Richmond, 100 miles; Main Trunk, Toronto to Montreal, 380 miles; and the Quebec and Trois Pistoles line, on the route to the lower provinces, 160 miles. Acts have been recently passed by the local legislature to encourage steam communication between Liverpool and Quebec, and to connect Quebec and Montreal by railway with sea-ports open during the winter. A contract has been completed (subject to approval by Parliament) with an eminent firm in Liverpool, by which a line of powerful screw ateamers, of not less than 1500 tons burden, are to run between Liverpool and Quebec and Montreal every fortnight during the season of nsvigation, and to Portland, in the state of Maine, during the winter months. The contract is to extend for 7 ycars, at a cost to the province of 19,000 . sterling per annum; or 11,000 , should it be determined to run the steamers monthly during the summer instead of fortnightly.

In April 1851 the management of the post-office was transferred to the control of the provincial authorities. A uniform rate of $3 d$. currency (about $2 \frac{1}{d}$ d.) per half ounce was adopted at the same time, and tho result has been satisfactory. The number of miles travelled by the mail during the ycar foding April 5th, 1852, was 2,931,375; an increase of 444,360 milen over the previous year; 243 new postoffices were opened; tho grom revenue during the first year of the reduced syztem was $59,004 l$., being only about 18,000 l. less than the reveuue of the last year of the former system.
Special grants of public money are annually mado for the support of the common schoole. The nnm of $41,095 \mathrm{l} .17 \mathrm{~s} .10 \mathrm{~d}$. is divided between Upper and Lower Canada for this purpose, in proportion to their respectivo population. Each school municipality, before receiving any sharc of this public grant, must raise at least an equal sum by local taxation. In Upper Canada the local contributions greatly exceed the required proportion. In 1851 Upper Canada possessed 3001 common schools, attended by 168,159 scholars; the total sum availsble for teachern' nalaries, and for the crection and repair of school-houses, being $93,220 l .15 s .7 d$., of which $20,547 l .18 \mathrm{~s} .11 \mathrm{~d}$. was received out of the parliamentary grant. In Lower Canada, the
principle of local assessment was not so favourably received at first, but the school system is now making more satisfactory progress. In both sections of the province there are also several endowments and special grants for collegiate institutions, normal schools, and other objects of a similar character. In Lower Canada the revenues of the estates of the Jesuits are devoted to education. They amounted in 1841 to $4566 l$. ; and a sum of $29,592 l$. on the same account was, in 1844, in the provincial chest without interest. In Upper Canada the University of Toronto was founded by royal charter in 1827, and endowed with property now realising about 11,000 . per annum. It was formerly counected with the Church of England; but by an act of the Colonial Legislature which came into force on the lst of January 1850, it was made a purely secular institution, and its government was placed exclusively in the hands of laymen.

The Roman Catholic creed is professed by seven-eighths of the inhabitants of Lower Canada. Their clergy have for their support $1-26 \mathrm{th}$ of all the grain raised on the lands of Catholics, aud an annual stipend of 1000 l is paid by the government to the Roman Catholic bishop of Quebec and his coadjutor. The numbers of the population attached to the leading religious denominations in Canada in 1851 were as follows :-Church of Rome, 914,561; Church of England, 208,592; Presbyterians, 237,683; Methodists, 228,839; Baptists, 49,846; Lutherans, 12,107; and Congregationalists, 11,674.

Of one-seventh of all the lands in Upper Canada, and of those in the townships of Lower Canada, set apart under the name of clergy reserves, and sold, the proceeds were applied to the maintenance of a 'Protestant Clergy.' By the Act 16 Vict., cap. 21, passed May 9, 1853, the provincial government and legislature have the power of dealing with the question of the clergy reserves without referring to the home government, the present recipients retaining their interest during their lifetime. The Church of England in Canada is presided over by the bishops of Quebec, Montreal, and Toronto, who have each an annual allowance of 1000 . The Church of England, which has 242 clergy, obtained $10,394 l$. 5s. 11d. of the publio money in 1851 for Upper Canada, and 1786l. 15s. for Lower Canada; the Church of Rome, which has 7 diocesos and 543 clergy, had in 1851 for the upper province 1369l. 178. 3d.; the Church of Scotland had 5847l. 16s.7d. for the upper, and $893 l .78 .5 d$. for the lower province; the Wesleyan Methodist body had 639l. 58.; and the United Synod of the Presbyterian Church 464 l. 18s. $4 d$. The number of places of worship in Canada included in the Census returns of 1851 is 1559 , inclnding 471 Methodist, 257 Presbyterian (of which about 80 are in connection with the Established Church of Scotland, 100 with the Free Church, and 60 with the United Presbyterian Church), 226 Church of England, 135 Roman Catholic, 116 Baptist, 84 Congregational and Independent, 46 Bible Christian, 22 Lutheran, and 18 Quaker places of worship, besides others not classified.

In both sections of the Canadian territory small bodies of Indians remaiu, and of them some have been brought considerably under the influence of civilisation. They have made greatest progress in the upper province, where more care has been taken to respect their rights, and to provide for them some stated means of support. In Upper Canada the Indians inhabiting the settled districts are reckoned at about 7500 ; those in the unsettled districts may be about 3000 . In Lower Canada these classes number respectively about 3500 and 2000. Efforts have been made to introduce industrial schools among the Indians in the settled districts, and hopes are entertained that the attcmpt will be to some extent successful. An interesting community of coloured people, fugitives from slavery in the United States, has been formed at Dawn, in the Western district of Canada, on the Bear Creek, a feeder of the river St. Clair.

Before tho union the province of Lower Canada had only a small debt of about 30,000 b. In Upper Canada in 1839 Sir G. Arthur steied the debt to be $1,162,187 l$. ; the interest $65,000 l$. ; the permanent expenses of the government $55,000 l$. ; and the revenue 78,000 . leaving a deficiency of 42,000 . The publio debt of the province at the close of 1851 was $3,659,146 l .15 \mathrm{~s}$. 1 d ., besides the liabilities con nected with the various lines of railway recently undertaken. The expenditure for 1851 amounted to $521,643 l$. 11 s. $2 d$., inclusive of $183,749 l .7 \mathrm{~s}$. interest on the public debt; the revenue was 692,206l.48. 9 d . -showing an excess of revenue over expenditure of $170,562 l .13 s, 7 d$.

CANADIAN SEAS, a term that has sometimes not inaptly been used to designate the large fresh-water lakes Superior, Huron, \&c., which lie within the basin of the St. Lawrence. The description of the Canadian Seas and the St. Lawrence basin is given under Canada.

CANALE. [ALBa.]
CANA'RA, a province on the west coast of Hindustau, between $12^{\circ}$ and $15^{\circ} \mathrm{N}$. lat., and between $74^{\circ}$ and $76^{\circ} \mathrm{E}$. long. It is bounded N. by Bejapore and the Portuguese territory ; E. by Mysore and the Balaghaut ceded districts; S. by Malabar ; and W. by the Indian Ocean. The length of the province along the coast from north to south is 180 miles, and its mean breadth is about 40 miles; the total area has been computed at 7380 square miles; of this area 4622 square miles are contained below and 2758 square miles above the Ghauts.

The province is divided into two districts, North and South Canara; the line of division is about $13^{\circ} 40^{\prime} \mathrm{N}$. lat. The surface of Canara is rocky and uneveu. On the high grounds red gravel prevails
motr the coant tho will ib andy, but tho ralleys aro well adnpted for ries ealtivation. There ano soveral atuall monntain strmman
Tho eutino population of Canara has been extimated at about ; 60,000 , of which number It was computal that moro thm ono-aixth - ino Itmbualar Ahout $\$ 0,000$ wero mid to bo IRoman Catholics,
 those of the interior IIindoon.

The chief prodnction of the province is rice, for cultivating which tho clinate in peculiariy farourable, owing to the provaleaco of raina Cocos-auts betel, and prepper are almo eulivetel.

The elsief cowns aro lo the north divislon Batticollals, and in the mouth dividion Mangslore and Ihreclora Matlicallah atands on the m-sont is $13^{\circ} 85^{\circ}$ ‥ Iat., and $14^{\circ} 35^{\prime \prime}$ Follong. ; on the north bank of the Scandaholay, a mall mtroan which wators beatiful ralley surrounded by hill. Mengelore in built on tho margin of a ealt lake, which is soparated from tho see by a mandy beach in $12^{\circ} 65^{\circ} \mathrm{N}$. lat., and is " $57^{\prime}$ 'f: long. it is a place of considerable trable; the exports coneint 1 rinaipally of rice, botel-nut, pepper, atadal-wood, and turmerio to Museat Cion Iombay, sul the cont of Malabar. The imports consint of raw nugar and milt from Bengal and China, and of oil and ghee from Surah The I'ortugues hal a factory herm, which was destroyed $\ln 1596$ by the Arabe from Muscat. In 1763 the Cown was taken by tho Vingliah, bnt retaken by 11 yder. Iu 1788 it again sur rendered to the Fingliah, but was iminediately bevieged by Tippoo, add when at the couclusion of the war it was given up to him was little mos than heap of rulus. The fortifications have since been dimmantlet. The population in estimated at 30,000 . Barcelore, supposed to be the Barace of the ancients, is situated on the senconst 55 milen N. froun Mangalore, in $13^{\circ} 37^{\prime} \mathrm{N}$. lat., $74^{\prime \prime} 47^{\prime} \mathrm{E}$. long.
The provisce of Canars, which till then had been subject to Ilindoo sway, was subdued hy IIyder Ali, raja of Mysore, in 1763. On the death of his sou Tippoo, in 1709 , the whole province was placed under lbritish authority. Canara in now included in the territories of the Bombay preaidency.
(Buchanan, Jowney through Myoore, Canara, and Malabar; Mill, Hirtory of Britieh India.)
CANARIK'S, a group of islands in tho Atlantic, lying off the coast of Africa, between $27^{\circ} 40^{\circ}$ and $29^{\circ} 30^{\prime} \mathrm{N}$. lat., $13^{\circ} 30^{\prime}$ and $18^{\circ} 20^{\circ}$ W. long. They aro supponed to be the Fortunate Islands of the ancienta Miny in his account of them (vi. 32), which is takeu from Jnbs, tho learned Mauritanian priace, calls one island Nivaria, or Snow Ieland, which is probably Tencrifo; another island bo calls Canaria, from the numlier of loge of a large size that were found there; Juha had two of these dogn The first meridian of Ptolemaus la drawn through the group.
The first account we have of these inlands in modern times is about the jear 1330, by a French ship which was driven anong them by stress of weather. Upon this discovery a Spanish uohleman, Don Luis, count of Claramonte, obtained a grant of the islands frou Pope Cloment VI., with the title of king. Nothing was however done towands makiug settloment till 13S5, when a fleet under Ferdinando Pemara sailed from Codiz and touched at Lanzarote, but was driven away by the uatives. The next expedition was from Serille in 1993, but no poscosiou wan taken of any of the islands In 1400 another fleet asiled from Rochello, under John do Bethencourt, and auchored at Janzarote, where they huilt a fort at Poiut Rubicon. The adventurers then pased over to Fuerteventura; hut being opposed by the natives thoy were obliged to re-embark. Do Bethencourt returued to Spain, and having obtained from Fnrique IIL. of Castille and Leon - gruat of tho islands, with tho title of king, again sailed to Lanzarote, and in Jnno 1405, touk possession of Fuerteveutura, Gomera, and Hierro; but failed In his attenpts upon Gran-Canaria or Caunria and Palina.
Do Ihethencourt died in 1403 and was succeeded by a uephew, Fho $\ln 1418$ mokl lis right to the islands to Fnrique de Guzman. This nobleman expended large sums in endeavouring to subdue the other inlandin, bnt without nuccess. In 1401 the Spaniards went through the form of taklog pomenion of Canaria and Tenerife for the crown.

Some difference having arisen between Spain nad Portugal with regand to theno hlands, ha consequence of a second sale of them by the mephew of De Bethencourt to the latter power, the Iortugueso arrived In force at Ianzaroto to take pomension; but the dippute was settled by ircaty, lu whloh tho islands wero cedod to Spalu. A treaty of commerce wan enterod into with the clalcfe of Canarin in 1470 ; but In the tame ycar the court of Castille purchaned the right to the throo uncomqueral inlanda of Caunria, Teacrife, nad I'alma, and in the following yoar went out aflect to undertake the conquest of Canaria which bowerer was not finally accomplished till April 1483. Palma and Tenorifo wero nobjugated ronpectively la 148 I and 1493. Simee thla time the Camario have always bolonged to the Spanalsh crown. The original Inhabitanta were called Guanches, of whon Ittle fo now known exoept their bravery and thelrcustom of embalm. Ing the dewd. Owing to intermarringe with thelr conquerors, the Gunachen hare cenned to oxint an aeparato preople, and the population may now be considered entirely Spaninh.

The group comejnts of ceves lulandr: 1 lierro or Forro, Palma, Cowsern, Tenerife, Orna-Charia, Fuerteventura, and Lanzarote; aud of mevenal amall rocky laleta, the largent of which are Graciosn and
Alegrana. The whole gronp stands on bank; bat the depth of
water between the lalands is rery groat, and the passagos are good. They are all of volcunle origin, and prosent a surface dircraifed by mocks, gorges, mountaine, and valloym. The coasta aro high and procipicous ; theno ano no closo harbours, the anchorago being gonemelly open roadateade. Tho mountains which are burron, rocky, and peaked, rise to the greatest hoight about the contres of the islands, and some of them have thoir summite coverors with stow during the winter. The vallega, wherever there is water or any bumidity in the moil, are excoedingly fertilo, producing grain, rogetables, and fruits, both tropical and Furopeas. Tho viuo in extenwirely cultivater, and much wine is made. The mugameane grows, but ita cultiraton ia ueglected. All kinds of domentic cattlo abound In mome of tho islands Camols aro rared and unod an beants of burdon. Fowla, dueks, geesc, pigeons, and turkeys are very numerous. The number of wild birds, both nativo and migratory, in also very great; among tho formor are wild pigeons, quails, larke, and canaries.
Each of the ialnads has ita governor, and the whole group ls uuder a Caphain-Geueral. The whole area of the islands is 3340 oquare miles; and the population in 1849 was 250,719 . The cutire annunl produco is ontimatod as follows :- Wheat, inaize, barley, millct, and rye, 170,000 quarters; whee, 54,000 pipes; barilla, $\$ 00,000$ quintalr; and potatoes, 500,000 barrela The chiof foreign trade is with England, the United States, and Hamburg; there is also an active trade between tho lslands. The principal porta aro Santa.Cruz and Orotava in Tenerife, aud Palmas in Gran-Canaria. The exporta consint of wine, fruits, corn, barilla, honey, orehilla, moss, fish, cochineal, raw silk, dic. ; the imports are woollen and cotton cloths, linen, silks, colonial produce, brandy, paper, oil, glass, handware, de. There are important fisheries along the coast of Africa.

The temperature is rery equable and the climato excellent. There are two seasons, the rainy and the dry. The dry senson lasts from April to October; during its continuance the wenther is constantly fine, and the north-east trade-wind hlows without intermisajon, being strongest from the middle of May to the middle of August. The mountains of the several islands, by obstructing the course of the north-east trade-wind, cause calms to prevail for several miles to leeward to the point where the divided currents again unita. These winds reuder commuuication hotween the isiands tedions. A vessel cun auil from Tenerife to Hierro in a day; hut the return royage takes 10 or 12 days, sometimes three or four wecks. Since 1819 however the communication between the inlands has been much facilitated hy the use of steam-packots, A mail steamer plien regularly crery week between the island, and Cadiz. Frum October to April the south-west winds prevail, attended with rain; and at times with thunder-atorms. The genial nature of the climate is disagreeably affected, at the beginniug and end of the rainy season, by the southeast wiud called El Levante, which blowing across the Salhara is dry, hot, and sultry, and produces great thirst. It sometimes carries clouds of locusts, which commit great ravnges on the cortfields and plantations. The islands aro ill-aupplied with spring-water. Rain-water is preservod in tanks.

Hierro or Ferro, the most south-western of the Canaries, contains about 80 quare miles, and has a population of 5000 . The promontory on the west const, now called Debesa, was formerly famous as the point through which the universal first meridian was drawn; it is about $18^{\circ} 10^{\circ} \mathrm{W}$. of Greenwich. The island suffers more thanany of the others from droughts, and but for the frequent fogs vegetablea could not live. Valverde, a small place on the north-eastern coast, is the chief place in the island.

Palma lies N. by E. of Hiorro; it is about 30 miles long from north to south, and ite greatest breadth is about 20 miles. The area is 510 square miles, and the population about 34,000 . The mountain ridge ruas from north to soutld, and contains many extinct craters of great height Tho coutral crater called Caldera is surrounded by many lofty peake, of which the Pico-de-los-Muchachos and the Pico-dela-Cruz rise to the respective heights of 7031 and 7469 fect above the een. The consts aud valleyn are cxtremely fertile, producing much wine, fruits, and silk. There are forests in the island in which good timber is gromn; the palin, sweet-bay, nus myrtle abound; nud in many plnces tho E'uphorbia balsamifera or Canariensis grows Sianta-Crus-defas. Palmas, the capitnl, is on the east const: it and Tazacorto on the west coastare the chief ports. Some taffictar, stuff, and ribands are the only manufacteres of any importance.
Gomera, which liea S.Lシ, of Palma, is nearly circular, and contains 164 square miles. The mountains consist of gmnite and micaceons slata 'lhe valleya are well watered, but badly cultivated. Corn, wine, oil, colton, fruits, moss, and honcy aro produced. Cattle, ahcep, mules, poultry, and game are ahundart. Sian-Scbastian Is the chiet town aud port. The island ha a population of about 12,000.
Tenerife (solnetimes íncorrectly writteu Teneriffe) is the largest and most luportant of the inlauds. It in about 60 milen long from north. eant to Bouth-wet; lis greatoct breadth is 80 miles, but it grows gradually narrower towardn the worth-eant, and at that cxtremity the breadth is uot more than 6 miles. Tho areh is about 1225 square miles, aud the population 86,000 . A bout ono-meventh of the nurfnca volcanic cultivation; the remainder is covered with lava aud otuer volcanic matter, and a groat part of it in entirely destifute of vege. tistlou. The consth present mome remarkable promontories-Del-

Hidalgo on the north-west, Anagada on the north-east, Rasca on the south, and Teno and Buenavista on the west. The highest point on the island is the Peak of Teyde, or Peak of Tenerife, a dormant volcano, rising to the height of 11,946 fcet above the sea. The crater measures 300 feet by 200 feet; it is surrounded by a circular wall 40 fert high, which from a distance has the appearance of a cylinder placed on a truncated cone. The pcak rises above the current of the trade-winds, and is always exposed to a violent continuous gale from the west. The view of this mouutain from Orotava on the west coast is magnificent, from the contrast of the rich cultivated plain and the leafy forests on its lower slopes with the barren, wild, and stern aspect of the peak. Teyde is connected by a monntain ridge with another crater called Chahorra, which is 9888 feet high. Sulphurous vapours are constantly issuing from the crevices in these craters. To the west of Chahorra there are four volcanic cones, which were in a state of eruption in 1798. The Peak of Teyde is surrounded on the south and east by a continuous chain of mountains, inclosing a semicircular plain of about 3 miles' radius, which is called Llanos-de-las-Rctamas, from the broom (retama), almost the only vegetable that grows on it. The whole plain is nearly covered with pumice-stone. The country West and north of the peak descends with rapicl hroken slopes towards the sea. The outer edge of the semicircular mouutains is surrounded by high table-lands, which together with the region of the peak cover nearly half the island, and contain some pine forests. Towards the north-east these table-lands, which have a very broken surface, extend for about 20 miles, and terminate in the plain of Laguna. This plain, which is nearly in the middle of the island, is of considerahle extent; it is shut iu by hills, and is nearly a dead level. After the rains it is partially covered with water, from which circumstanco it takes, its name. It produces abundance of grain, but no trees. The eastern part of the island consists of numerous fertilo valleys separated by basaltic hills, the highest of which, the Bufadero, is 3069 feet above the sea. This part produces the finest fruits in the island. The valley of Taoro, in the northern part of the island, is of great extent and of extraordinary fertility.

In Tenerife all European domestic animals, and also white camels are reared. Cattlo are kept for slaughter and the plough; cows are never milked. Goats, sheep, asses, and mules are numerous. The silkworm is extensivcly reared. Lees also are numerous, and a great deal of excellent honey is collected. Rabhits, wild fowl, turkeys, and all kinds of poultry- are very pleutiful. The agricultural produce is similar to that of tho other islands. The quantity of wine annually made amounts to $3,000,000$ gallons ; the best sort, called Vidonia, which resembles Madeira, is exported to England. Coffee has been cultivated with success; iron ore is found, and sulphur abounds on the Peak of Teyde. Linen and woollen stuffs are manufactured by each family generally for its own use. Some silk stuffs, earthenware, soap, vermicelli, leather, brandy, ropes from the agave, hats, basketa, and mats of palm-leaves are the other chief articles of manufacture. The imports consist of iron utensils, hardware, bar-iron, flax, glaes, pottery, leather, candles, cotton goods, salt provisions, cod, \&c.; the cxports are wine, brandy, barilla, almonds, dried fruits, raw silk, and onchilla

The island is divided into three districts-Laguna, Orotava, and Garachico. Santce-Cruz-de-Santiago, the chief town and port of the island, stands on the north-east coast. It has a mmall harbour, well sheltered, except from the south-east winds. The town is the residence of the Captain-General of the Canarics, and has a population of 9000. Siar-Christoral, in the centre of the plain of Laguna, is a plessant well-built town, with 10,000 inhabitants. Orolava, on the northeast coast, stands on the slope of a hill nearly 1200 feet above tho sea; it is a well-built thriving place, with 8000 inhabitants, who carry on a considerable commerce by means of a harbour, two miles distant, at Puerto-de-la-Orotava, a town of 1600 iuhahitants. Guimar, S.W. of Santa-Cruz, stands in a fertile well-watered valley, and has a population of 3500 ; near it are several mummy tombs of the Guanches. Taraconte and Jcod-de-los-Vinos are on the north coast, and have ench about 5000 inhabitants Garachico is a port to the west of the peak, on the low coast north of Buenavista.

Gran-Canaria, or Canaria, which gives name to tho group, lies E. of Tenorife. It is nearly circular, and about 75 miles round: the population is about 69,000 . The highest point, El Cumbre or Pico-del-Pozo-delas-Nieves, is 6648 feet above the sea. The mountain Sancillo, near the centre of the island, is 6070 feet high, and is surmounted with a large wooden cross. Port-la-Luz, which affords good anchorage and is well sheltered from the north-east winds, is formed by Isleta, a rocky promontory joined to the island by a low isthmus. Las-Palmas, the capital of the island, is on a bay on the east coast; it is tho largest and best built town in the Canaries; it is the seat of a bishop and of the Audiencia Real, or supreme court of justice for all the inlands. The city is well supplied with water by numerous fountains, and has $\mathbf{1 7 , 3 8 2}$ inhabitant. It contains a cathedral, hospital, college, sevcral monasteries, and has a well-supplied market. The harbour is formed by a mole. The following are the other chief places:-Aguimez, situated on the eastern coast, has 2300 inhabitants. Atalaya, population 2000 , is composed of dwellings consisting of apartments cut in the sides of the Mount St.Antoine. Teror, population 4300 , situated in tho interior in the northern part of the island, is requented by pilgrims as a sacred spot. The bishop has a residence
here. Tiraxana is a village composed of a collectiou of grottoes inhabited by a colony of free blacks, who do uot cultivate intercourse with Europeans.

Fucrterentura, which is N.E. of Gran-Cauaria, is about 60 miles long; its breadth is very irregular, varying from 20 miles to 5 miles. The area is about 720 square miles, and the populatiou 18,000 . It is less mountainous than the other islands. Though generally harren, it contains many spots of great fertility. The iuterior formatiou of the island is singular. A group of extinct volcanoes, 2160 feet high, to the south of Puerto-Cabras, branch off eastward and westward to within a short distance of the sea, follow the direction of the coast for about 30 miles, and then again unite, inclosing au extensive arid plain, on which several villages are built. From the southern junction of the mountains an isthmus, 5 miles long and $2 \frac{1}{9}$ miles wide, unites the mountainous peninsula of Jandia to the main part of the island. This mountain mass is about 28 miles long; it presents a precipitous face towards the north-west, rising directly to the height of 2820 feet ahove the sea, but sends out spurs in other directions, which inclose slopes of easy ascent. It is uninhabited, though it is said to contain some good springs. The pasturage on it is so fine that tho flocks and herds are driven here from other parts of the island to graze. Orchilla also is produced in large quantities in the peninsula. The capital of the island is Santa-Maria-de-Betancuria, also called La Villa. The only road in the island leads from La Villa to Cabras on the east coast, which is the chief port. The anchorage at Cabras is indifferent, and the landing-place a beach of shingles. Oliva, in the fertile valley of Oliva, in the north of the island, is the largest town in the island, and has only 2000 iuhabitants.

Lanzarote, the most eastward of the Canaries, lies N.E. of Fuerteventura, from which it is separated by a strait called La Bocayna. The island is 31 miles long, and its breadth varies from 5 to 10 miles. The area is about 240 square miles, and the population is about 18,000 . From the northern extremity of the islaud precipitous cliffs 1500 feet high run south-west for 7 miles, and terminate in a sandy plain, where in 1825 an eruption took place, aud two considerahle hills were thrown up, which are still burning. Beyond this plain the shore is again precipitous as far as the promontory of Pechiguera, with the exception of the little bay of Janubio, in which there was formerly a harbour for small vessels. This harbour was convertcel into a salt lake by the eruption of 1765 . The eastern shores are neither so steep nor so high, and there are many fertile tracts of ground. The highest land, called Montania Blanca, is nearly in the centre of the island; it is 2000 feet high, and cultivated to its summit. This islnnd is subject to long droughts, and to gales of excessive violence. The wiue and grapes are of superior quality. Teguise, a small place in the interior, is the chief town. Naos, on the castern shore, has a small secure harbour formed by rocky islets, and with two entrauces, of which the northern one has a depth of 12 feet, the eastern of $17 \frac{1}{2}$ feet at low water, and 9 feet rise of tide. Arecife, a more frequented port, situated south of Naos, has 2500 inhabitants, most of whom are engaged in the fishery on the A frican coast.

In accordance with a decree of the Queen of Spain the seven priucipal ports of the islands-namely, Santa-Cruz-de-Santiago, Orotava, Las-Palmas, Santa-Cruz-de-las-Palmas, Arecife, Cabras, aud San-Sebastian-have beeu constituted free ports since October 10, 1852.
The Little Canaries lic N. of Lanzarote, and are connccted with it by a bank on which there aro 40 fathoms' water. Graciosa is scparated from Lanzarote by the Strait del Rio, which is about a mile wide, and is the safest and most commodious port for large ships in the Canaries. The great difficulty of communicating with Lauzarote, on account of the high precipitous coasts of that island, preseuts an insuperable obstacle to this strait being resorted to as a harbour for trade. Graciosa and Alegranza, a little farther north, are both tho product of extinct volcanoes; they contaiu craters, and are cove: ed with maked basaltic rocks, lava-streams, and other volcanic matter. They are inhabited by 40 or 50 persons each, who cultivate barilla in the bottom of the craters. Santa-Clara, Raquet, Lobos, and the others, are mere rocky islets, and uninhahited.
(Glas, Ifistory and Conquest of the Canary Islands; Humboldt, Voyage aux Régions Equinoxiales du Nouveau Continent; Von Buch, Physilialische Beschreibung der Canarischen Inseln; Journal of the Royal Geographical Society.)

## CaNCale. [Ille-et-Vilaine.]

CANDAHAR. [AFGHanistan; Kandarar.]
CANDE'ISH, or KHANDEISH, a province of Hindustan, extending along the southern bank of the Nerbudda, between $20^{\circ}$ and $22^{\circ}$ N. lat., $73^{\circ}$ and $77^{\circ}$ E. long. It is bounded N. by Malwa, E. by Berar and Gundwana, S. by Aurungabad and Berar, and W. by Gujerat. Its length from cast to west is about 210 miles, and its average breadth about 80 miles. The area is estimated at about 12,500 square miles, and the population at nearly half a million.

Candeish is generally a level country, but is nearly surrounded hy mountains. The plain of Candeish is very fertile, although its wholo surface is studded with isolated hills with perpendicular sides of rock and flat summits. Each of these hills forms a natural fortress. In addition to the Tuptee and the Nerhudda the province is watored by several copious streams which flow from the table-land and fall iuto the Tuptee.

This conntry wan remderal a eeene of decalation bofore it fell into the haods of the Britinh. The rarages committed by Jeswunt ina ilolkar In 1502 caused a famine In the following year, which carrioul off a lage proportion of the inhabilante Ancr thic the 3heel tribe, whoes chiefs command resst of the peome In the monntein range to the north, asd the lindarrice, were accuvtomed to make perioxlical Incursiona into the plains for plunder. in 181 S Casleiah, then anong the poesonions of lolkar, mas cedel to the liritinh; but the Arsbes, who had peevioualy obtained a fonting in the country, opposed the Iritiah anthority. In 1819 the lritinh obtalned prosection of the province. At that time mearly one-balf of the rillaged liad heen abandonal to the tigern, which swanned throughout the land. The miochlof was repaind umder the adminintration of General l3rigga, who suceertal in rutoring she province to prosperity.
The principal towns in the province are-boorhanpore, Aseerghur, Rindin, Sundoorbar, ami Gamba, [Boomastore; Aspergher.] Himdin is situated on the south bank of the Nerburlds, where itn chanmel in $\$ 000$ foet wde, in $22^{\circ} 20^{\prime} \mathrm{N}$. lat., $7^{\circ} 8^{\prime} 1 \mathrm{~B}^{\prime}$ long. This plaw is chiedy important from lis positiou, as commanding some of the best fonds aeroes the N゙erbudde Nundoorbar oontains sbout 500 bouses, and wan formerly a place of muelı greater extent. The wall by which it was surrounded is now for the most part in ruins. This town is in $21^{\circ} 25^{\prime} \mathrm{N}$. lat., $74^{\circ} 15^{\circ} \mathrm{E}$. long. Gurlnaz whs once a largo town, but has fallen Ereatly to decay. The fort stands on a high rocks mountain, and is surrounded by a wall of stone and brick 20 feet high and a milc in clrcumference. Tho town, which is at the foot of the mountain, on its morth side, is murrounded by a mud wall and towers.
(\$lll, Ilistory of Britioh India; Insilutes of Akbar; Reporis of Conmilles of House of Commons on the Affairs of India.)
CA'NDIA, tho ancient Kirete or Creta, and the modern Greek Kriti, one of tho largent islands in the Mediterranean Sen, is itituated to the month of the Archipelago, between the Moren, Africa, and Asin Minor. Is exterde from $34^{\circ} 54^{\prime}$ to $35^{\circ} 12^{\prime} \mathrm{N}$. lat, and from $23^{\circ} 25^{\prime}$ to $28^{\circ} 19^{\prime}$ E. long. its leagth from cast to weat is abont 160 miles from Cape Salmone to Cape Crio; its breadth is very unequal. in some places towardn the middle of its length it is about 35 miles broad, in others about 20 miles; between Retimo and Sphakia 10 iniles, aud in one plece in the east part of the island, between the Gulf of Mirabel and the const of 11 ierapetrm, only 6 miles. It has threo principal capesSamonium, now Salmone, at the enst extremity towards luhodos; Corycum, now Capo Bnso, looking towards the Morea; and Crio, lookiog fowarda the Cyrenaica. 1 ts const, especially towards the north, in indentod by deep gulfs, of which those of Kimamos, Khania, Sada, Armyro, and Mirabel, or Spinnlonga, are the deepent, and the three principal town of the inland, Canearo Khanis, Retimo, and Candic, are on that side. The nouth const is rugged and iron-bound. A continuour man of high laud runs throngh the whole leagth of the inland, about the middle of which Mount Jda, now called Psilorati, rimes far abore the reat to the height of 7674 feet . The inountains in the west part of the island are called by Strabo Lenka Orf, or White Mountuins ; he masa they aro about ns high as Tajgetus (probably abont 5000 feet). In the south-went part of the inland the mnnntains run clove to the coast. This is the diatrict of the Sphakiotes, a raco of mountaineers, occasionally robbors and piratos, who have never been totally conquered by the Turks. The ridgo enatward from Mount lda is the ancient Dicte, now called Monnt Siti. The main chais sends out ofthoots to the north and south. Those on the north side slope down gradually towards the sea, inclosing plains and valloy of great fortility, and forming by their projections the Thenerous bays and gulfs with which the northern const is indented. The southera offshoots descend abruptly, present a stecp, rocky, and arid murface, and terminato in a precipitoun coant provided with no good barbous. Mount 1ds itsolf ainks down rapidly on its southenoters ahe into an extensive plain waterel by the 11 iero-potamo, the diotl Cown weatward luto tho nea a few miles sonth of Mount ida The sonthern boundary of this plain is a secondary mage, which apringing from the main chain netr the nourco of the lliero potamo ruan anlh. Wost and tornainatea ln Chpo Matala. The rivers of Candia are only a klad of torsenti very shallow lu the dry scason.

To the borth of the prinoipul range of mountring the island containe extenaive forerts, pertures, and meadows; aud producon corn, wine, oil, opinm, liquorice, fax, ootton, silk, carobn, orangen, lomons, daton, and other coutherm produce. Bosiden the common domostic anmanl, game, wild show, ehnmols goate, been, and 8 sh aro very mumeroue, About 600,000 sheep and goath are fod on the mountains; their wool in oonne; their milk firnade into cheesa. There are in tho Whad about 50,000 hornel cattle, whlch are uned chlefly for draught and for ploughing; the milk of cown is not uned, there being a prejn-
The vallegs that bavi rivulots running through them are from June to the ead of September very unhealtby, wo that although they are very productive, and offer facilities for the convegance of produce to market, the pemary geeenally rewide on the hilla, where tho lace to Tho fertile, but whore they are sure of enjoying uninterrupted health. Tho babitathom of the pasanky are rude in the extreme, and their elothlog condirts of consme cottons, liven, or woollens, manufacturod
by each houschold. The chicf mannfacturo in nomp, whioh is highly eitcound all through the levant. The principal exports are oil and somp; the imports aro some Britiah and Austrian manufactured goods and metaln, colonial produce, and corm i'loughing the land botween the olive-trees in all the enlture they reooive. The fruit is generally allowed to drop from the froes, aud it in gatheral by women and ehildrea into beaps; theso aro then tulien to the mill and the fruit in bruiwol, after which procens it in put into a wooden prose worked by two or fuur men. In tho dirtriet of Apokoroua the fruit la benton frow the troes, which aro thervby Injured. Although many of the olivotroes were cut down during the mimenous Jusurrections of the peanatry, the population is alll insuflicient to attond to them all, and in gool years a fourth of the fruit is lowt for want of hande to gather fi Fivery article producod on the inland paya one-seventh to the goverament, aad basides this oxtroordiaary taxen aro often arbitrarils imposed. In lieu of a tax on silk the mulberyy-trese are rated. There aro several small islunds nound the comst, of which the principal are Standia, on the north, and Gozzi, on the south. The climate is Warm, and is the low rallegs unbealthy in the antuma. Tho airocco, the common scourge of the Mediterranean, is often severely folt
Candia is divided into eight Greek biahoprics, including the see of the metropolitan archbishop of Gortyna ; into threo sanjaks-Candia, which is governed by a pasha of three tails, Canea, and lRetimo, eaoh governed by a praba of two tails ; and into twenty mukatlas, or dis. tricts, each governed by an 'aga,' who receives the taxes and the tithen of the mosques. In ancient times the island seems to have been very thickly peopled. Under the Vonetians the population is said to hare been about $1,000,000$; in 1821 it amonnted to 260,000 , snd in 1810 but little over 159,000 , four-fifthe of whom wore (Freekm

The principal towns and ports are on the northern coast of the island. Conea, or Khania, on the Gulf of Khania, is tho capital of tho westera aanjak ; it has a population of 8000 , and a good harbour formed by a molo 1237 foet long, with a lighthouso at its extremity ; vessels of 300 tons can enter the harbour, which is defonded by a fort. The fortifications were constructed by the Venetinas. The town is surrounded by old walls and decp ditches, and contains aeveral mosques and Greek churches $1 t$ is the seat of a Greek bishop, and har an arsenal, docks, hazaretto, and somo soap factorics. Several duropean consula reside at hhauia
Suda, distant from Canes about 3 niles by land, on the Bay of Suda, has a harbour perfectly safo in all weathers.
Retimo, the capital of the central sanjak aud the meat of a Greek bishop, has 4000 inhabitants, and a small harbour formed by a inole. Candia, or Khandia, sbout 40 miles 1.from Retimo, is the capital of the island. The name is the Venetian form of Khandax (Great Fortress), the designation given to the city by ita Saracea fomeders From the city the name has been commonly applied in Europe to tho island itwelf, which howaver is nover called Candia by the natives Candia is mnch decayed siuee the time of the Venetian. The fortifications are still in tolerable repair, but the houses of tho town are falling to ruin, and the barbour, which in formed by two moles, is blocked np with sand to such a degree that only vesels drawing less than 8 feet of water con cnter. Ships loading from Candia anchor in one of the three ports of Staudia, an inland about 7 miles north-nortlienst of the town. Candia has 12,000 inhabitants ; it is the residence of the Greek archbishop of Gortyna, and of the chicf pasha of the island. The streets are wldo nud rudely paved, and many of the houses are fronted by gandens adorned with fountains. The pashn's palace, the bazaar, nosquen, publin baths, large cathedral buile by the Veuctions, and the fortitications, are the principal structures, Soap is the chief industrial product of the town. Then are a few Jews in Candia, but in Canen, which is the priacipal port of the island, they amount to about 200, and havo a synagogue. Not far from it are the ruins of the ancieut Cnossus, famous in fable for its labyriath
Spinalonga, on the Gulf of Mirabel, has a good harbour, but tho ontranee is subject to sudden squalla. A few miles soutly of this is the harbonr of Ayio. Nicola, the best linrbour in the ishand noxt to Suda, but it in not frequented. The mont noted towa on the sonth coast is Splakin, tho chicf town of the Sphakioter At Ifagio-deka, a village near the Iliero-jotamo, are the ruins of Gortyum, and a cavern of great extent lu a part of Mount lda. This cavern has boen nomotimen taken for the lnbyrinth of Cnossus, of which no trnce remains.
The ancient listory of Creto begins with the heroie or fabulous times. The aarly inhabitants aro supposerl to have beeu desceuded from Phomician, Pclasgian, and Dorinn colouists. The Dorian immigration must have taken place long before the time of llomer, who ppenks of the different races in the island ('Odys' xix. 174, \&c.). listorians and poets tell us of a king called Ninos who lived before the Trojan war and resided at Cnossus, the site of which is not far from the present town of Candia, and ruled over the greater part of the island. 1le was the legislator of the country and his laws became celebrated smong the Greele, who borrowed from them (Strabo, x. 323). He emploged, nay the legeuds, Daodalus, an Athenian artist, ou his retura from ligypt to build alnbyriuth in imitation of that of Jocrin in Egypt, and he afterwarls confined is it Daedalus himself. Minos according to tradition wea also the first who had a navy; he cleared the Grecian scas of pirates, expelled the Carinus from the Cyclades, and settled his mons in them (Thucyd. 2. 4). Then comes the well-known story
of the Minotaurus, Theseus and Ariadne. Idomeneus, a grandson of Minos, one of the Cretan chiefs who went to the siege of Troy, ou his return was driven away by his subjects and went to found the colony of Salentum on the coast of lapygia After the expulsion of the dynasty of Minos, Gortys, a town built in the centre of the island near the foot of Mount Ida, hecame a powerful rival to Cnossus. Creta had once many flourishing cities, some say a hundred; the principal, besides Cnossus and Gortys or Gortyna, were Cisamus, Cydonia now Canea, Amphimalla, Rithymna, now Retimo, Heracleum the port of Cnossus, and Miletus, all on the north coast, Phalasarna on the west coast, Lyctus, Phonixportus, and Hierapetra on the south coast, and Ampelos on the east coast. Straho, whose maternal ancestors were from Cnossus, although he himself was horn in Pontus, gives a pretty full account of the Cretans, their laws, their towns, and the wars between them; and Aristotle in his 'Politic' (book ii.) has described the peculiar institutions of the ancient Cretans. The east part of the island had been colonised hy the Dorians, the west part was inhahited by the Cydonians, and the south hy tho Eteocretes. It was two days' sail from the south coast of Creta to Cyrenaica and four to Egypt.

The Cretans were often at war among themselves or with their neighbonrs the Cilicians, and with the kings of Syria and of Egypt. They materially assisted Demetrius II. Nicator to recover the throne of Syria, over the usurper Alexander Balas, B.c. 148 (Justin xxxv. 2). The Cretans were celebrated for their archery, and in the later period of their political history were often employed as mercenary troops hy other nations.

Creta was conquered by the Romans, B.c. 67 , under the proconsul Quintus Metellus, after au obstinate defence. It hecamo a Roman province and a colony was sent to Cnossus, The Cretans seem to have been wotorious for diabonesty and lying. 'Cretizare cum Cretensibus' was a common proverh, meaning "to deceive the deceiver: St. Paul in his epistle to Titus, whom he had appointed to preach the gospel to the Crctans, alludes to tho had reputation of the people.

Creta remained subject to the Roman emperors and afterwards to the Byzantines till A.D. 823, when it was couquered hy the Saracens, who huilt the town of Candia, which has ever since been considered the capital of the island. Nicephorus Phocas retook it iu 981. After the taking of Constantinople by the Franks Baldwin I. gave the island of Candis to Boniface, marquis of Montferrat, who sold it to the Venetians in 1204. The Venetians kept nossession of Candia more than four centuries; it was one of their chief possessions in the east, and the first of the three suhject kingdoms (tho other two were Cyprus and the Morea) whose flags wared over the square of St. Marl. Tho island was governed hy a proveditor-general from Venice, who had under him the four proveditors of Canea, Candia, Retino, and Sittia For jndicial matters there were rettori, or judges, sent also from Venice, each of whom was assisted hy two councillors who were natives of the island. The municipal admanistration was in the hands of the Candiotes. The taxes were very moderate. The native nohility enjoyerl feudal privileges, and they were bound to have a ccrtain number of militia from among their vassals and teuants ready when called. The wholo of this militia was reckoned at 60,000 men. Although most of the natives were of the Greek Church and had their own clergy, there was an archhishop of the Latin or Western Church who was sent from Venice. In 1645 the Turks landed 50,000 men, hesieged and took Canes; in the following year they took Retimo, and in 1643 laid siege to Candis the capital of the islaud. This siege, the longest in modern history, lasted 20 years. The Venetiaus strained every nerve for the defence of the place. The order of Malta, the Pope, the Duke of Savoy, Louis XIV., all sent auxiliaries to tho relief of Candia. The vizier Achmet Coprougli was at last sent in 1667 hy the sultan with great reinforcements to carry the place; Francesco Morosini conducted the defcnce. In September 1669 the Veuetians, haring exhausted every means, surrendered Candia to the vizier hy a couvention in which they retained the forts of Suda, Spinalonga, and Carahusa, on the corst of the island. The wars of Candia cost the senate 25 millions of ducats. In the last three years of the slege 29,000 Christians and 70,000 Turks were killed. The Turks made 69 assaults and the Venetians made 80 sortics; the number of mines exploded on hoth sides was 1304. Since the capturo of Candia, Crete has remained in tho hands of the Thrks, under thom it has heen perhaps the worst governod couutry in the world, all its former prosperity has vanished, aud its population dwindled to a fourth of what it was under the Venctians. In 1821 and for several suhecquent ycars tho nativo Greek population maintained a sanguinary warfare with their Turkish suastern in tho hope of shaking off their oppressive yoke. In this strugglo they failed. According to a decision of the allied powers the island was mado over to Mehemet Ali of Ligypt in 1830, to indernnify hin for his losses in the revolutionary war in the Morea. He made some improvement in the trading regulations of the island, hut the oppressed raya ohtained little relief hy a change of masters. Mehemet Ali held it till 1840 , when ly a convention of the great European powers (except France) it was restored to Turkey, from which another insurrection iu 1841 and 1842 failed to set it frec. In ancient times tho forests upon Monnt Ids supplied wood for mmelting and forging iron, though no
trace of ancient mining operations has heen discovered on the island. Alnong the forest-trees in ancient times flourished the fruit-bearing poplar, the evergreeu plane, the cypress, and the cedar. The wines of Crete, and especially its raisin wine, were celebrated in ancient times. Among its simples grew the dictamnus or dittany, famous among physicians and poets. The island was free from all wild beasts and noxious animals; its dogs were a match for those of Sparta, and its wild goat is the supposed origin of all our domestic varieties.
(Daru, Histoire de Venise; Botta, Storia d'Italia; Macgregor, Commercial Statistics; Dr. Bowring, Reports; Dictionary of Greek and Roman Geography.)
CANDY. [Kandr.]
CANEA. [Candia.]
CANFRANC. [ARAgon.]
CANNES. [VAR.]
CANNSTADT, properly KANNSTADT, a town in the Neckar-Kreis in the kingdom of Wirtemhurg, is famous for its mineral springs, its healthy climate, and its heautiful situation on the right hank of the Neckar, nearly in the centre of the kingdom, and in the heart of a fertile country. It is a station ou the railroad from Stuttgardt to Esslingen and within 4 or 5 miles of the former city, and contalns about 5350 inhahitants. Independeutly of its trade, for it is the staple town for the traffic in the Neckar, and has manufactures of woollens, cottons, tohacco, \&c., there are 37 mineral springs in the neighhourhood and a regular estahlishment of haths, with grounds laid out for visiters. The Kursaal is decorated with fresco paintings and is otherwise an olegant building. It is erected a quarter of a mile from the town, at the foot of a hill from which the springs arise. Kannstadt is frequented in the season hy large numbers of people from Stuttgardt. There are horse-races in summer. The Seclberg, an adjoining hill, 640 feet in height, coutains many curious fossil remains. Vases, coins, and other loman autiquities have of late years heen found near Kannstadt. The two royal seats, Bellevue and Rosenstein, are in its vicinity.

CANO'PUS or CANO'BUS (Kavoßos), a city of Egypt, on the coast near the outlet of the western or Canopic hranch of the Nile. It was 120 stadia from Alexandria hy land, with which it was connected by a canal. In the time of Straho ( $p .801$ ) it contained a great temple of Serapis.

CANOSA. [Bari, TERra di.]
CA'NTABRI, a peoplo of ancient Sprin, who lived east of the Asturians in the region now called Las Montañas de Santander. To the enst they bordered on the Autrigones and the Varduli, or Biscayans. To the south the Cantahri sem to have extended heyond the mountains into the north part of the present province of Palencia, where they bordered on the Vacexi (Mannert, "Geographie der Griechen und Römer'). They were a hrave, secluded, half wild race, who long resisted the Romans, and were only finally subdued together with the Asturinas by Augustus, B.c. 25. They revolted again after some years but were defeated aud uearly exterminated hy Agrippa, B.C. 10. In the division of Spain made hy that emperor the Cantabri were included in the T'araconensis province. They gave their namo to the Sinus Cantahricus, now Gulf of Biscay.
CANTAL, a department in France, lies between $44^{\circ} 37^{\prime}$ and $45^{\circ} 25^{\prime}$ N. lat., $2^{\circ} 2^{\prime}$ and $3^{\circ} 20^{\prime}$ E. long., and is hounded N. hy the departwants of Corrèze and Puy-de-Dôme, E. hy those of Hauto-Loire and Lozère, S. hy Aveyron, and W. by Lot and Corrèze. It is formed out of Upper Auvergne, and is named from the highest of its mountains, the Plomb-du-Cantal, which stands uearly in tho centre of the department. Tho department measures 68 miles from north-east to south-west, and 57 miles from south-east to north-west. The area is ahout 2000 square miles; and the populatlou in 1851 was 253,329 , which gives $126^{\circ} 66$ to the square mile, being 43.05 helow the averags per square mile for the whole of France.

The department is almost entirely covered with tho mountains of Auvergase, the principal chain of which crosscs it from north-northeast to south-west. In this chain, and within a range of 7 miles dimmeter, are the volcauic summits of Plomh-du-Cantal, Col-de-Cahre, Puy-Mary, and Puy-Violeut, which rise to the respective heights of $6095,5541,5443$, and 5229 feet ahove the sea. These peaks are of conical shape, bare, rugged, and from their steepness almost inaccessible. The whole range is of volcanic origin and contains many craters distinguished hy the local namo Puy. In the neighhourhood of this central region are many ancient valleys filled up with lava, which has flowed at several unknown and long distant epochs. The mountains are covered with snow during several months of the year: In tho spring the lowor heights ahouud with verdant pastures, intermired with numerous wild flowers, especially violets, hyacinths, lily-of-the-valley, pinks, daisies, \&c.; they also produce medicinal plants and orchil ahundantly. The only human habitations met with in this wild region are the hurons, or little huts, which serve as temporary dwcllings for the cow-herds, who drive their cattle hither in the fine season, and manufscture large quantities of butter and cheese.

At the lower extremitics of the high plains and in the valleys which separate them are found the towns, villages, and cultivated lands of the department. Here also the flocks and herds come to pass the winter in vast huildings, the upper story of which is used as
a stonv for corn and other farm produce. The valleye, which radiato In all directions from the mountain-knot of the Plomb-lu-Cantal, are pietureque and boautiful in the extrome, abounding in woods, monlorin, raters, and lold cacoules, and atrewed with neat rillages, which an clusterel rouad the pariah church, or sheltered hy a lony preolplee or some ancient cantle. The mountnias of Cantal furm part of tbe watemian between the Allier and the Loire on the northeert, and of the Donigene on the weat, and the lot on the eouth. The liua, which receiven the Sautoire, rives on the northern aide of Plomb-du-Custal, and dow north.went into the Dordognc. The Cire rines In ita south.western alopes, and recoiring the Jondanne a littie below Aurillae down weat on its way to join the Dondogne, which forms for merel milee the boundary of the deparment on the north-west. The ntremes springing from the sonth and southeust of the central group dow Into the Truydrc, whieh riahg lu the mountains of Lozere, and towing firt emotwarl, thon towards tho north, enter the depart. meut of Chatal, cromes it to weatward, thon turns south-west, and falls in to the Lot near Entragues in the depart ment of Areyron. The Alsgnoa risen on the castern side, receives soveral suall streans, and sowing porth-northeast falls into the Allier. In the south-west of the department rises the Celle, a feeder of the Lot, which river llows for short dinteme along the extreene eouth of the depertment. Several of these rivers flow through very deep ravines, the precipitous aides of which show the different layers of lava and other strata through which the waters have worn their way. All of them abound in eascades, have great rapidity of deacent, and arc consequently not narigable.
To the south and wost of the great mountain mage the dupartment has $m$ tolorably mild climate; to the north and east the climate in less geaial ; all the cantral and higher portion of the department has a rudo climato and a long dreary winter. The department is subject to terrible harricaves ; thone that occur in the winter, called 'ecirs,' are especinlly fearful, as they swoep the snow before them, fill up the narrow ralleys, and bury the houses benenth the drift.

The depmrtment contains $1,279,481$ sares. Of this surface 547,789 acres are inountain pasture, 157,765 forest and woodland, and 255,834 weres hemtha and moors. Tho arable portion, which hardly exceeds 400,000 acros, consints generally of a very light and stony soil, and does not produce bread tetufrs sufficient for the consnmption. Very little wheat is grown or used; the chief crops are rye, buckwheat, barley, hemp, las, aud oleaginous plants. Chestnuts are abundant, and in eome districts form the principal part of the food of the people; in other districts peas and lentils are used as food. The excellent mountain pestures form the main source of the wealth of the department. The number of horned cattle reared for exportation and for the purpose of making butter and cheeso in very great. As mach an 50,000 quintals of cheese are annually made. Horses are Dumerous; they are small in size, but hardy: mules are much used as beasts of burden. Sheep are very numerous, and in high repute for the goodnesh of their wool. In mineral weal th the department is rich; copper, iron, learl, sulphur, alum, antimony, coal, limestone, mate, granite, \&c., are found, but the only mine worked is one of coal. The nnmber of mineral and hot springs is very great. The manufacturing industry of the department is of little importance; it is confined to the making of lace, copper vessels, coarse stuffe, glue, and leather. At the end of autumu many of the population emigrate to Paris and other parts of France, where they find employment as porters, watercarricra, tinkers, and handicraftsmen, rcturuing bome in the spring of the following year, or in some instances after an interval of sereral years, for the inhabitants are strongly attuched to their poor, wild, but highly picturesque country. The mountainous nature of its surface, and the want of roaris, canals, and narigable rivers present great obstacles to the development of tho trade of the department, which consists in the exportation of its cattle aud agricultural products, and in the importation of corn, wine, oil, salt, metals, and cloth.
The department is divlded into four arrondissements, which, with thoir cubrlivisions and population, are as follows:-

| Arrondicements. | Cantons. | Communes. | - Population In 1851. |
| :---: | :---: | :---: | :---: |
| 1. Aurlliee. | 8 | 03 | 96,433 |
| 2. Meartac | 6 | 87 | 63,346 |
| 2. Murat | 8 | 34 | 35,309 |
| 4. Sboshotr | 6 | 84 | 58,241 |
| Total | 23 | 258 | 233,329 |

Of the firat arrondimernent, and of the whole department, tho chief cown be Acmllac St-Corvin, a fow milles No from Aurillac, lasa a popalation of 3046 . S8.- Mand, 11 miles from Aurillac, ban a fine old castle, an anciont church, and population of 2000 . Maure, 25 miles S.8. W. from Aurillac, atande In the besutiful valley of Arcainhie, which is metered by the llance, a feeder of the Celfe: populntiou 3000 . Vicame Cire stande mear the hearl of the fine valiey of the Cero, which exteada fre up the nouth Rank of the llomb-du-Cantal: the population in 2000, hat this number ia doubled from June to October by the numbern who resort to the sulneral waters.

In the nocond arromilimenent the chief town in I/auriac, which has
a colfege, a tribunal of frat inutance, and a propulation of 3400. The most romarkablo building in the ancient church of Notro-DamedenMinclea, willch is adomsed with some very curioun bas-rcliefs. The town is the chief cutrepot for the colonial produce, provisions, and incrchandise required for the mountain districta, and has a considerahlotrade. J'leaur stands in a furtilo plain, 10 miles from Mauriac, and has 3012 inhahitanta Riowes. Nonfagnes, iu which several Roman remains have been found, ls 10 ziles from Maurime, and has 2100 inhabitanta

In the thind arrondisement the chief town is Murat, which is an ill-bnilt placo ou the right bank of tho Alagnon, with 2700 inhabitants, It bas a collego and tribunal of first instanoe. The neighbourhood of this town is mont interesting to thn geologist for the many evillences it preacnts of violent volennie aotion. Allanche, s small well-built town, 9 mile N.E. from Murat, ham a handsome church, an old castle, and 2005 fubabitanta Marcenal, 10 miles N. from Nurnt, has a ferruginous spring and a population of 2004, ineluding the whole commune.

Of the fourth arroudissement tho chicf town is S\%-Flowr, formerly the capital of Hauto-Auvorgne, which stands on a high platomu formed by a mass of tasaltic rock, presenting ou three sides steop precipices, and joined to the neighbouring high laud of Plaudse by a narrow istbmus which is handsomoly laid out as a promenade. A part of tho tuwn stands at the foot of this rock, and comenunicates with the upper town by a winding road cut in the rock. Through this part of the town the road from Paris to Perpiguan runs. Tho streets of St-Flour are narrow ; the housas are built of hasalt and hrea and corered with tiles. The chief building is the cathedral. Tho town is the seat of a bishop, has an ccciesiastical semiuary, a colloge, tribunals of first instance and of commerce, and a population of 5254. The assize court of the department is held here Chaudes-A igues, 15 miles S. by W. from St-Flour, is fasuous for its hot mineral springs, from which it derives its name. It is situated in a gorge of the mountains, aud has a population of 2476 . Tho waters vary in heat at the diffcrent springs from $135^{\circ}$ to $17^{\circ}$ Fahrenheit; in the winter they are coureyed by pipes through the houses of the lown for tho purpose of heatiug. The road from Sto-klour to Chauden-Aigues traverses the plateau of Planese, and affords a fine view of tho volcauic group of Cantal: on appronching Chaudes-Aiguen it is terraced through the granitic rock along frightful ravines, at the bottom of which the Truyere flows. Massiac, 15 miles N. by Li. from St.-Flour, on the lighls road to Clermont, is situated in a uarrow valley, and not far from the right bank of the Alagnon : population 2200.

The department forms the diocese of the bishop of St. Flour. It ie comprchended in tho jurisdiction of tho High Court of Riom, and belongs to the 20th Silitary Division, of which Clermont-Ferrand is head-quarters.
(Dietionnaire de la France: Amnuaire pour 1853.)
CANTERBURY, Kent, a municipal and parliamentary horough, a cathedral city, the seat of the metropolitan see of all Englaud, and forming of itself a county and a Poor-Law Union. The city of Canterbury is situated on the river Stour, on the high road from London to Dover, in $51^{\circ} 1 \pi^{\prime}$ N. lat., $1^{\circ} 4^{\prime}$ E. long., and is distaut 55 niles E.S.E. from London by road, and 81 milea hy tho Ramsgato hrauch of the South-Eastern railway. The population of the city of Cauterbury, which includes 14 parishes, 2 precincts, aud 4 extra-paroehial districts, was 18,398 in 1851. The borough is governed by 6 aldermon, oue of whom is mayor, and 18 councillon ; and returns two members to the Iunperisl Parliament. The livings are in tho archdeaconry and diocese of Canterbury. Canterbury l'oor-Law Union contnins an area of 3830 aeres, with a population in 1851 of $14,097$.
All traces of the origin of Canterbury are lost iu the obseurity of early history. At the timo of the lloman occupation it was of considerable importance, as is evideut from its position at the point of junction of tho Roman military roads to Dover aud Lympue, their two principal havens. The ancient British name seems to havo been Durwhern, which in Latin was changed into Durovernum. Dy the Saxons it was called Caer-Cant, or the City of Kent; whence wo have Canturia and Canterbury. At the beginuing of the Saxon Heptarchy it was considered the chief city of the kingdom of Kent, and was tho Ling's residence. Canterbury is pleasantly situated botween lills of a moderate beight, the air is kaluhrioun, and tho ncighbouring couutry fertile. The city extends about half a mile from oast to west, and somewhat more from north to south : there are four suburbs at tho four cardinal points. Many Roman coins and Roman and British


Canterhury in enrly times suffered repeated ravages, particularly from tho Dances. In 1011 a great part of the city was reduced to anhes It hos frequently suffered by fire, the mont calnmitous instances of which were in the reigns of 11enry 11. and Heary VIIL; but it alway recovered from thene disasters, owing to its rauk as the metropolitan city ; and the coustant resort of pilgrims tended in no sanall degreo to enrich it. At Canterbury was fouuded the firat regular Chrintinn establimhncut of Augustine, who in tho year 597 haptised Ethelbert, king of Kent, and 10,000 Saxons in tho river Swale. Augustine wan the first archhialiop, and died here in the year 604. 1Hln body was first huried in the monastery of St. Augustino, and afterwarli, in 1091, was removed into the cathedral. Amoug tho
most celehrated of the archbishops are Thomas i. Becket, who was murdered hefore the altar by four of the attendants of King Henry II. in 1171; and Themas Cranmer, who was burnt at Osford in the rcign of Queen Mary. The cathedral, one of the most noble buildings in England, is of very ancient date. Augustine is said (Bede, 'Hist. Ecc.' lib. i. c. 33) to have commenced his cathedral on the site of a church which was built during tho Roman dominion in Britain for the use of the Christian soldiers. The present cathedral dates from 1130, when the building which had been founded by Archhishop Lanfranc, and enlarged by Anselm, was solemnly consecrated by Archbishop Corbel, in presence of Henry I. of England, David, king of Scotland, and all the English bishops. Forty-five years later however, in consequence of having heen nearly destroyed hy fire, the cathedral was almost entirely rehuilt, and at subsequent periods it was frequently added to, or repaired, or in parts rehuilt. Hence it exhibits the utmost diversity of architectural stylc, ranging from early Norman to the latest perpendicular; but notwithstanding this all the parts are so disposed as to produce a pleasing effect. The cathedral is a double cross, with a noble tower 235 feet high rising from the intersection of the nave and western transepts, and two towers 130 feet high at the western end. The eastern end, called Becket's Crown, from having been finished during his teuure of the archbishopric, is circular. The south porch is a handsome embattled structure, with a roof of stone. The great tower, called Bell Harry Tower, is one of the most beautiful specimens of the pointed style of architecture in England. There are many windows of painted glass, of which the great western is the most remarkable. A new stone chair or throne for the archbishop has recently replaced the former throne, which was made of wood. The choir is one of the most spacious in the kingdom, being nearly 200 feet in length and 38 feet in breadth. Tho extreme length of the whole building from east to west is 514 feet, and the extreme breadth 71 feet. The cathedral has lately undergons extensive repairs and judicious restoration at the expense of the dean and chapter. The crypts underneath the cathedral are the finest in the kingdom. They have numerous chapels, in one of which are somo verfect remains of ancient paintings on the walls. The crypt was long occupied by a Walloon congregation as a place of worahip, Queen Elizabeth having granted it for that purpose in 1568. Tho cathedral contains numerous aplendid monuments: among others are those of Ifenry IV., Edward the Black Prince, Archbishop Langton, and many other personages famous in English bistory. Of the magnificent shrine of Thomas is Becket not a vestige remains.

Of tho numerous old churches in Canterbury hy far the most interesting is that of St. Martin. A church occupied tho site of the prescnt edifice at least as early as the time of St. Augustine; who, according to Bede, on his arrival in Britain, found a church existing there. It does not appear very certain when the oldest part of the present church was erected; the body of it was rehuilt in the 12 th or 13th century, spparently out of the materials of the older church, as Roman bricks and some Norman sculpturo are worked up in the walls. It is a small plain building, consisting only of a naro and chancel without pillars. A few years back tho wholo was carefully and thoroughly restored. The church of St. Mary Magdalene is in part of Norman date. The church of St. John the Baptist has also some Norman featnres. St. Dunstan's church and the church of the Holy Cross are both very ancient. The chancel of St. Mildred's church may be noticed as an example of the late perpendicular etyle. In several of the churches are monuments of interest. In St. Dunstan's is the vanlt of the Roper family, in which is still contained tho head of Sir Thomas Morc, wluch was buried thero 'with great devotion' hy his favourite daughter Mary Roper. When the chancel was repaired in 1835 the Roper vault was opened, and in a niche in the wall was found a leaden box, open in front, and with an iron grating before it, in which was contained a head that was afterwards proved to be that of Sir Thomas More. ('Gentleman's Mag.,' May, 1837.)

The Grammar school, which ia within the precincts of the cathedral, and is mupported by the chapter, is called the King's school, having been remodelled by Henry VIII. This school was originally founded by Theodore, archbiahop of Canterbury, who died about 690. The King's scholary, of whom there are 50, have their classical education free of charge, and receive $1 l .168 .8 d$. a jear in money. There are 30 exhibitions and scholarships attached to this school. Besides the King's scholars there were 45 commoners at the achool in 1851.
St. Augustine'a Monastery stood in the eastern suhurbs: this ahbey and its precincts occupied 16 acres of ground, which were inclosed hy a wall. The fino gateway of St. Augustine, which formed the chief entrance, was in a dilapidated statc, but was repaired a few yeara hack by public subscription. The revenuen and privileges of this monastery increased rapidly. Ample contributions from kings, nobles, and others supplicd funds for adding to the extent and magnificence of the buildings. In 1168 the grenter part of the church of the monastery was burnt, and numeroua ancient charters and codicils were consumed. At the dissolution, IIenry VIII. appropriated the monastery as a royal palace. Queeu Elizabeth kept a court here in 1573. when she was on a royal progrens. From Lady Wotton, who dwelt here during the rehollinn, the buildings were called Lady Wotton's Palace, and the green in front of the great gate is still called Lady Wotton's Green. The property continued in the possession of Lady

Wotton's desceudants till 1844, wheu the remains of the abbey were sold by public auction. The purehaser was Mr. A. J. Beresford Hope M.P., the cost being 21002. The building had heen employed for some years for purposes very different from its original object. "The chapel was in ruins; the Guests' Hall was used as a brewery aud public-house of low character; the space under the gateway was a dray-house, and the room over it (the state bed-chamber of the abbey and palace) contained the large vat for cooling the liquor, and had before this been used as a cock-pit." Mr. Hope presented the site and the remains of the huildings to the Archbishop of Canterbury in trust for the erection of a missionary college in connection with the Established Church. In the erection of the required buildings as much as possible of the ancient structure has been preserved. The entire expense of the chapel, which has been built on the foundation of the former chapel, including the altar plate, amountiug in all to about $4500 l$., was defrayed by Mr. Hope, who also contributed largely to the institution in other ways. The windows of the chapel are filled with stained glass. The chapel and cloister are paved with encaustic tiles. On the south of the chapel are the warden's lodge and rooms for the fellows of the college. On the north side of the quadrangle are the rooms and dormitories, which are calculated to accommodate about 45 students. The library, a spacious room, 80 feet by 40 feet, is built on the foundations of the ancient refectory of the abbey. The library contains about 8000 volumes. Beneath the library is a fine crypt, used as a workshop in which the students are taught carpentering, carving, and other branches of manual industry. The college was incorporated by royal charter, June 28, 1848. The course of study extends over three years. The annual collegiate charge for the education and maintenance of each student is $35 l$. Twenty exhibitions have beeu founded by private individuals and by committees of public societies in order to promote the objects of the college. The Archhishop of Canterbury is visitor, and one of the patrons. The Archhishop of York and the Bishop of Loudon are also patrons. The number of students in 1852 was 20

Among the ruins of ancient buildings in Canterbury may be notieed the walls of a castle, said to have been built by William the Conqueror, which is on tho south-west side of the city, near the eutrance from Ashford. These remains appear to liave been the keep, or denjon, of a fortress, within which it stood, and of which the bounds may still be traced. The ruins of the palace, which was originally built by Archhishop Lanfranc, are adjoining the horough of Staplegatc, suhurh of the city. The Pilgrims' Passage, hy Mercery Lane, on the north side of the High Street, is towards the cathedral. Canterbury contains 14 parish churches and places of worship for Independents, Baptists, Wesleyan Methodists, Quakers, Roman Catholics, Unitarians, Jews, and others. The charitable institutions for education, for the maintenance and relief of the aged and infirm, and other purposes, are numerous; those which have endowments attached are administered by trustees appointed by the Lord Chancellor. There are several National, British, and Infant schools, a Blue-Coat school, aud a Gray Coat school. The city and county hospital, a valuable and well conducted estahlishment, was completed in the year 1798; it is supported hy voluntary contributions.

The city of Canterhury was in ancient times part of the royal demesnes, and was under the government of an officer appointod by the crown, styled the prefect, portreeve, or provost, who had all the civil authority, and accounted yearly to the king for the several profits arising from the city. In the 18th of Henry III., the citizens were empowered to choose bailiffs for themselves. In the 26 th of Henry VI., a charter of further liberties and privileges was granted and that form of municipal government established which existed until thic operation of the Municipal Reform Act. Edward IV. granted a charter which settled the boundaries of the jurisdiction, and formed the city into a county hy the name of the county of the city of Canter hury. There were subsequent charters by Henry VII., Henry VIII. James I., Charles II., and George III. A county court is held at Canterhury. Quarter scssions are held by the recorder; capital offences are removed to the assizes at Maidstone. The city has sent two members to Parliament since the 23rd of Edward I.
Cantcrbury is neither a manufacturing nor a commercial city. Silk weaving. which was introduced by French refugees, was at one time prosecuted to a considerable extent in the city, but has beeu long extinct. The trade in wool is large, hut the chief trade is in corn and hops, for the cultivation of which the soil of the neighbouring country is particularly favourable. There are numerous mills on the banks of the river Stour. Canterhury has long heen noted for its hrawn, which is sent to all parts of the kingdom. A railway from Canterbury to Whitstable, the port of Canterhury, has heen of considerable benefit to the trade of the town. Of the public buildings tho guildhall, the fruit and vegetable market, the new corn and hop exchango, tho butter and fish markets, the philosophical museum, the barracks, the military infirmary, the jail, the housen of correction, and the assembly rooms, are the chief. There is a savings bank in Canterbury. The city is lightcd with gas. At the south-east corner of a field, close to the city wall, is a large artificial mound, or circular hill, which in 1790 was converted by Alderman James Simmonds, to whom the city is much indebted for many improvements, iuto a city mall ; the sides of the hill were also cut into scrpentine walks, so as to admit an easy

GEOC. DIV. VOIn II.
accuat to tes mumuit, and were conbected with a tormoe formod upon the rmpart withiu the wall, extending in length upwards of 600 yanle; mdditional walke wore nlso mode in tho fold in which it is aitunbed, cullal the Dawo John or Donjon deld, and a double row of limes wh plantel ou the stles of the principal well. The publlo opirited conduct of the ablerman is cominemornted by a pillar placed on the mamit of the mourad. Some ppriags of mineral waters diocorowel in 1698 on protnives now uned as a nurveryground, heve been highly eoteemal fur their medicinal propertiea Ono in purely clunly. beale, and the other conthins a prortius of suphur in comblnation with tho iron. During the weverest semonu thes matern never freeze. In the ricinlty of Canterbury aro many gentlowen' meats

The markef aro holl daily for provisions of all kinds; but the principal market, which is for antile, com, hopa, and woelk, is on Frimeipal market, Which for for cotle. i market for fat mtock is hed overy aliormate Tvenlay with Ashford. The annual falr, which commesess on the 11 th of October, and lants from cight to ten days, is very nuraerously attenterl ; it is chiefly for pedlery and toys.

The Arehbibhop of Canterbury is prinisto of all Fngland and metropolitan His ecclesisstical province Includes the following diocene: Sit Aaph'a, Bangor, Bath and Wells, Canterbury, Chichester, SL Daridis, Ely, Fixeter, Gloucester and Bristol, Hereford, Lichfeld, ILincoln, Llandinf, London, Norwich, Oxford, Peterborough, Rochenter, Sulinbary, Winchester, and Worcester. The diocoso of Canterbury comprings 352 benefices, ineluding the county of Kent, oxcept the city and deapery of Rochester, and some parishes in tho London alocens. The chapter consists of a dean, 12 canons, 2 nrchdeacons, 6 preachers, and 5 minor canona. By a late statute the canonries are redzeed to six; accordingly six are now suspended. The income of the Arehbishop of Canterbury is 15,0001 . $n$ Jear.
(Somner; Batteley; Lnmbardo; 1Iasted; Gostling; Camden; Clanterbury Guides; Communication from Canierbwry.)

CANTFRBURY. [Zealasd, New.]
CANTIPE [Anotrzamiz]
CANTON, n city of Chima, the capital of the province called Kaang-tong, corruption of which has been applied by Europeans to the town itself; the real namois Kulag-chow foo. It lies in $23^{\circ} 7^{\prime} 10^{\prime \prime}$ N. Int, and $115^{\circ} 14^{\prime} 30^{\circ} \mathrm{E}$ long, distant about 1200 miles S. by IW. from Pekin, and 00 miles N.N.W. from tho Clinese Sea. The city is built on the north bank of the Chookeng, or Pearl River, and on the eautem bank of its affluent, tho Pi-keang, $n$ river which flows from the monatains aorth and went of the city. From the entrance of the river Boces Tigris ( 50 called after the Portuguese) to Canton tho distanco is 32 mile ; a ship sails a few points west of north until she arripes near the "first bar, and thence her courso is nearly duo west to the anchorage at Whampoa, which is 10 miles below the foreigu factorien the intercourse with which is entirely conducted in boats. On reaching tho city the country to the north nnd cast appears hilly and mountainons. The rivers and creeks, whlch are very namerous, abound with fish, and are corered with ingreat variety of boats, which are continually pasing between tho neighbouring towns and rillges. The tida fows abont 40 miles aboro Canton. The country lying nouthward of the city consisto of an alluvial flat, being the delta formed by the depositions from the waters of the main river, with here and there a solitary lill of granite or red-sandstono rising up like an imland. licico-fields and gardens, in $n$ high state of cultivation, occupy the lowlands, and trees, principally firs, cover the clerated pointe That part of the city situnted within the wall is built in the form of an irregular square, and divided by another wall, which runs from east to west into two parts. The north and largest portion is called tho old or inner city; it is lnhabited chiefly by Mlantehoo or Tartar families; the south part ls called the new or outer city: it is the nbode of Clinese. Acrose tho old city, abont the centre of it, a wide ntrect russ cast and went, called by the Chineso the Straight Strect of Benevolence and Love. Outside the clty walls, close to the foreign factorion, is tho Street of Perpetual Joy. To the south the wall runs parallel to the riper at the distance of nbout 100 Jarda; on the north, whero the city is built partly up the acclivity of the hills in the rear, the wall takes an lrregular course, and ln some placen is mbott 300 feet above the surface of the river. The whole circult of the wall may be about 7 milos. The walls are of brick, on a foundation of red-sandstone : they are about 20 feet thick, and Fary in beight from 25 to 40 feet. Tho gates of the city aro 16 in all, hut 4 of them lear through the wall whlch separates tho old from the now city; no that there aro only 12 outer gates, each diatinguished by n name deacriptive of itm ponition. Most of the strcotmaro short, and irregularly laid ont, varying ln width from 6 to 16 fect; but in geseral they are about 8 feet wide, just allowiug the passage of two sedan cliaira, for no wheel carriages are used at Canton. They are everywhere fagzed, more or loes regularly, with large fat stonea. Tho crowd that throngn them in exceedingly great. Isricks ane generally und for the Fall of houses, though sfew of the poorer mort are constructod of mud. Stone nud wood nro maringly used in bullding; atone lo employed about gatewnym and wood for columan, learns, and raform. Tho roollng conaiath invariahly of thin tilos, whleh are lald on the raftern ln rown alternately conceve and convex, the latter orerlepping the jolned edgen of tho former and cemented
over them with inortar. Windows aro mmall and rarely supplied with
glans Paper, mila, and othor tramparent substances aro unod in ita place. Thio mnterials for buitling aro procarable at moderato priceu and lni abondarce. The wood, a vnriety of fir, In foated down the river in huge rafla, and hricke ane made in tho aeighbourhool of Cnuton. There are 120 templos in aud nour Cantom. The principal Budelhint tomple ntauds on the invad of 11 onan, which is slenated in the river, opposite Canton. This temple covers, with its buildings, courts, and gandens, an aren of about 7 sares, aud is aurroauded by a lofty wall. In the old city is a Molamazedan monque, with dono and minaret 160 feet high. At the north aide of the city is a jagoda fro ntories in height.

The hahitations in which pbont one-half of the population of Cniton havo thelr abodoa, stand clow on the street, and have namplly only a single entrnace, which is clowed by bamboo screeu suapendod from the tup of the door; withln theeo howses there ene no euper. tuous apartments; in single room allotted to each branch of the family merven an a dormitory, whilo ot third, which completen the number into which the wholo inclosure is divided, is usod by all the bousehold as a common enting room. Chinesc houses of consoquence open towards the south, but in tho poorer sort this point of course is aften disregarded. The dwellings iababited hy tho more woalthy part of the commnuity are surrounded by a wall 12 or 14 foet high, that froate the street, and completely screens the buildings within. The poorest persons live la the extreme parts of the suburbs, along the banks of the river and its creeks, and in the northern part of the old city; their houses are mero mud hovels, low, narrow, dark, nad without any division of apartments. Several canals traperse tho city and suburbs, and are used for convesing goods and pansengera Two of the largest of these canals run parallel to, and outside of the enst and west walls, and communicato with each other by a third, which passes through the outer city. The foreign factories are railed in, and form n promende, called Kespondentia Walk.
Tho shops are commonly quite open towands the etreet, that is, those appropriated to Chinese customers: for the few streets dovoted to Europens trade are rather on a different plan, the shops being of a closer structure and less exposed to external obserration. The serersl streets are commonly deroted to distinet trades. There is 'Carpenter' Street, or rather Squarc, as it is carried round a parallelogmm; "Curiosity" Street (as the Laglish call it) is devoter to the sale of antiques, real and fictitious; and 'Apothecary' Street is full of druggists' shops, the drawers iu which are ncatlyarranged and lettered, but filled principally with simples, By the side of each shop is sus. pended from on high a huge ornamental tablet of wood, varniahed and gilded, ou which are inseribed the particular calliug of the tenant and the goods in which he deals. Some of the shops, which are pretty richly aupplied, appenr to bo much exposed towards the street; but the inhabitants of eael division generally combine into a system of watch and ward fur common protection, and during the night tho streeta nre closed at each end by doors, which are guarded hy the regular police. The greatont risk to which tho houses and shops of Canton are exposed is that of fires, which are frequent, tho notion of fntalism which prevails among the natives rendering them singularly careles. Tho Chinese have very generally adopted the uso of our fire-ngines, which they themselves manufacture suffieiently well to answer the purpose. The amount of the natiro population of Canton has been often estimated, but so little authentic infurmation has ever been obtained on the subjeet, that it still remains uadecidod. The usual eatimate of a million appears to he ruch too high. No inconsiderable part of the population live upon the river, in tho junks, barges, and small boats, causing the space opposite Cantou and its suburbs to assumo the appearance of n floating city. By far the largent part of tho small bosts are called 'egshouse' boats, from their shape resembling tho longitudinal scetion of an egg. They arc gencrally not more than 10 or 12 feet lung, nbout 6 feet liroal, and so low that a person can scarcely stand up in them. Their corering consiats of a bamboo or mat tilt, shaped like that of a waggon, which is very light, nad serres tolerably as a defence agninst the weathor. Whole frunilies live in theso boats, and are considered as a distinet part of tho populatlon, being under a separato regulntion and not allowed to intermarry with thoso on shore. Thase bonts are registered, and the Whole number has been reported at 84,000. Sone of thene floating house present a liandome appearance. Vagabouds and beggars aro very numerous in Canton.
A fonndling hospital, institutod in 1608, afords accommudatiou for upwrels of 200 children. Thero la also a general hospital, commenced in 1835 by an Auncrican minsiomary nociety. Canton posscsses 14 high schools and 30 colleges, tbree of tho colleges have nbout 200 atudents encl. In the new city is the renidence of the provincial governor or vlecroy; and that of the Hoppo, or commisioners of the customs on foreign trade. The barrecks aro also in the new city.
The portion of Canton in which the Eumpean factories are situated, being a were nuburb, doen not contain many of the larger or public buildinga; but the arrangement and architeeture of tho streets and shopa are precively tho wame an within the walls of the eity. The whole frantage of tho buildingn In whieh forelgners of all uations are Ghut up together for the prowecution of their trading husinese at Canton, does not exceed between 700 and 800 fect. Each froat, of
which there are about thirteen, extends backwards 130 yards, into a long narrow lane, on each side of which, as well as over arches that cross it, are the confined abodes of the English, French, Dutch, Americans, Parsees, and othera
The European factories are called by the Chinese 'Hongs,' the word hong being always used by them to denote a commercial establishment or warehouse. To the east of all there is a narrow inlet from the river-a sort of ditch, which serves to surround a portion of the city wall, as well as to drain that portion of the town. This is crossed with a single arch by a narrow street at the back of the factories, that leads to the warehouses of the several Hong merchauts, all of them communicating with the river by wooden stairs, from which the tea and other goods are shipped. The space occupied by the foreign factories is crossed by two well-known thoroughfares, one of them named China Street, and the other Hog Lane; to which a third, called New China Street, has been added. The first is rather broader than the generality of Chinese streets, and contains the shops of the small dealers in carved and lacquered ware, silks, and other articles in common demand by strangers. The shops, instead of being set out with the showy and sometimes expensive front of an English or French shop, are closed in by gloomy black shutters, and very ill-lit by a small sky-light, or rather a hole in the roof. The alley called Hog Lave is narrower and more filthy than anything of the kind in a European town. The hovcls by which it is lived are occupied by abandoned Chinese, who supply the poor ignorant gailors with spirits, medicated to their taste with stimulating or stupefying drugs.

The climate at Canton is generally romarkably healthy, though extremely hot during the summer, and at all times subject to great and sudden vicissitudes. In July and August the thermometer sometimes reaches $100^{\circ}$ Fahr. iu tho shade, and during winter it occasioually falls below the freezing point at night: the average of the yeer is about $72^{\circ}$.

Canton derives its chief interest and importance from having been formerly the sole, and still being the principal, emporium of the British trade with China. Canton city is nearly at the farthest possible distance irom the capital. The policy of the Tartar dynasty in confining the European trade with such obstinacy to a point so unsulted to its extension may have been prompted by the desire to remove the danger of external involvements from the vicinity of the capital, and to derive the largest possible revenue from internal duties on transit, which in this instance are known to bo large. The emperor derives a very large revenne, direct and indirect, from Canton, and the Chinese officials practiso extortion to a very great degree for their own private adrantage. The restriction on foreiga trade which confined commorcial transactions to the Hong merchants has been removed, and foreigners may now trade with any parties they choose to employ.

The annual amount of forcign business transacted at Canton was eatimated a fow years ago at 80 millions of dollars; the larger part of the trade being carried on by Englishmeu and Americans. All the legitimate trade of China with Luropean nations, with the exception of Russin, was formerly conducted at Canton. The Inussian depot is at Kiachts, on the bordor of the empire, in Mongolin. The British possesaions in India have extensive commercial dealings with Chins, exceeding even the amount of the trade between England and China. From India the principal article received was formerly raw cotton ; but opium, clandestinely introduced, was more recantly the largest in smount. The Chinese authorities, having been roused to activity on the subject, in 1839 confiscated and destroyed a very large quantity of opium belonging to British subjects. Redress was demanded, and a war onsued, which ended in the adoption of a treaty in 1842 , by which a completo ohange was cffected in tho commercial policy of China. The Chinese govermment agreed by the terms of this treaty to pay 21 millions of dollars as an indemnity; to open the ports of Amoy, Foo-cho-foo, Ningpo, and Shanghai, in addition to Canton, for the admission of the ships Hong Kong, situated in the watuary of the Canton River; and to establinh a just tariff of duties on exports and imports. The average arrivals of ships undcr the British flag at Canton are about 230, of 120,000 tons burden ; of which aboutone-half clear out for tho United Kingdom, cxclusive of those which clear for British ports after touching at Hong Kong. The averago annual value of the imports, exclnsive of opium, amounts to $16,000,000$ dollars, the exports to from $18,000,000$ to $20,000,000$ dollars. The principal articles of export are tes, raw wilk, and silk piece-goods. Of tea tho quantity exported in 1844 was $72,566,311 \mathrm{lbs}$, of which $15,825,800 \mathrm{lb}$, went to the Uuited Statcu and $52,179,533 \mathrm{lbm}$ to Great Britain. The total value of the tes exported in 1844 was 10,307,759 dollarm. The quantity of tea brought into Great Britain during the year ending 5th January 1853 was $66,361,020$ lbs, and that to America had increased in a somewhat larger proportion. On the 5th January 1853 the emperor of Chins legalised the iraportation of opinm into his dominions.

Tea.-The bulk of the Company's exportations down to the end of 1833, when the trade was thrown open, comprised under the head of black tess-bohea, congou, with souchong and campoi, nnder which
three priucipal distinctions of twankay, hyson skin, and hyson. The two great varieties of the tea plant are the Thea viridis, which is most extensively cultivated in the northern part of the empire, and the The B Bohea, which is the Canton variety. From the Thea viridis are made all the fine green teas in the great Hwny-chow country and the adjoining provinces. From the Thea Bohea are produced at the plcasure of the manufacturer, and according to the demand, the iuferior green and black teas which are made about Canton.

Occupations of the Inhabitants.- It has been estimated that about 50,000 persons are engaged in Canton in the manufacture of various kinds of cloth; about 17,000 in the weaving of silk; and upwards of 4000 in shoemaking. Á large number of persons find employment as workers in wood, brass, iron, stone, \&c. The book trade affords considerable employment. Particular trades are associated in distiuct communities, guided by laws of their own in reference to the management of their business. A large proportiou of the articles required for use in Canton and for export is munufactured at Fuh-shan, a place of considerable size a few miles west from Canton.
Money and Weights.-A paper currency was adopted by the Mongol oonquerors of the empire, but was subsequently absndoned in conseqnence of the depreciation and discredit which ensued from over issues and the bad faith of the goverament. At Canton- silver and a base alloy of copper are the two metals in circulation. The native copper coin is from its low value used only in bazaar paymeuts, the exchange varying between 700 aud 800 for a Spanish dollar. The Chinese seem to find it impossible to hare a silver coin, from the propensity of the people to play tricks with anything more valuablo than their base copper coin, the cash. The Spanish dollars imported into Canton are very soon punched into such a state as to be exchangeable only by weight. None but freshly imported dollars are received without a very strict scrutiny called shroffing. The charge attendant on this operation causes a premium in favour of new dollars.

The broken Spanish dollars circulate by weight, and their proportion to the tale or tael varies in different transactions, being estimated in the sccounts among foreigners and native merchants at the rate of 720 tales per 1000 dollars; but in tho weighing of money, at 71 个 tales per 1000 dollars; and to 'outside dealers,' shopkeepers, and compradors, at 715 tales per 1000 dollars.

The Chinese money-weights are as follows:-

| Tale. Mace. | Candareen. | Cash. | Oz. Troy. | Grs. Troy. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 10 | 100 | 1000 | 1.208 | 579.84 |
|  | 1 | 10 | 100 |  | 57.98 |
|  |  | 1 | 10 |  | 5.79 |

In the sycee, or fiue silver prescribed for the payment of government dues, 98 parts in 100 must be pure. This is cast in oblong ingots, of 1 and 10 tales in weight, with a stamp impressed. Gold is not used either for exchange or as an article of remittance.
The commercial weights are calculated in peculs, catties, and talcs, and their proportions are according to this tablo:-

| Pecul. | Catties. | Tales. | lbs. avoirdupois. | Cwts, |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 100 | 1600 | $133 \frac{1}{3}$ | $1 \cdot 19047$ |
|  | 1 | 16 | $1 \frac{1}{5}$ |  |

(A Description of the Cily of Canton; The Chinese, a General Description of the Empire of China and its Inhabilants; Fortune, Two Journeys into the Tea Districts of China, 1853; Parlianentary Returns.)

CANVEY ISLAND. [Essex.]
CAPE, literally Head (Cap, Fiench; Capo, Italian ; Cabo, Spanish and Portuguese; all from the Latin Caput), is a term used to indicate the extremity of a portion of the coast which projects beyond the general line of the shore. On rocky and much-indcnted coasts, as on that of northera Scotland, capes are of course very frequent, whilo low and sandy coasts sometimes offer no cape for 50 or eveu 100 miles. On shores of the latter description they are commonly formed by the change in the trending of the land, and form obtuse angles, while on rocky coasts thoy terminate in acuto angles, on which account they sometimes are called Points.

CAPE BRETON, an island of British North America, situated to the E. of Nova Scotia, aud forming the S. E. limit of the Gulf of St. Lawrence, lies between $45^{\circ} .27^{\prime}$ and $47^{\circ} 4^{\prime} \mathrm{N}$. lat,, and between $59^{\circ} 45^{\prime}$ and $61^{\circ} 38^{\prime} \mathrm{W}$. lung. Its greatest length from north to south is abont 100 miles, and its greatest breadth 85 miles. Its area, exclusivo of the great salt watcrs, is about 2,000,000 acres, more than one-half of which is supposed to be fit for cultivation. Tho extent of improved land in 1851 was 63,527 acres. The island is divided from the mainland of Nova Scotia by the Gut of Canso and St. George's Bay. The Gut of Canso is a channel 21 miles long, varying from one mile to one mile aud a half in width. St. George's Bay is at the northern extremity of this channel. North Point is about 73 miles from Cape Anguille, the Bouth-western extremity of Newfoundland. The population of the island in 1851 was 27,580 .
The Island of Breton contains much high land, particularly in the north part, and on the east and north-west districts near the coast. Cape Enfumé, ou the north-east coast, in lat. $46^{\circ} 40^{\prime}$, is 1800 feet above the level of the sea. The east and south coasts are well provided with harbours. St. Ann's Bay, on the east, leads through a narrow pass to a safu and capacious harbour of the same name, in whioh ships of considerable barden may anchor. Sydney Harbour,
to tho wouthenast of St. Anain hay, ts an lutet two miles wide and four mailes long; which then separitos into two marrow arma, one of whieh runs to the south-wet, the otheryo the mouth: at the bottom of the wouth arm, eeren miles from the sem, is the town of Syiney, the capital of the ieland. Sydnes llarbour le safo and apmefoles. It ban a her at its mouth, but with sufficient depth of water for largo uhipe to enter. South of Sydney llarbour are Lingen, Windham, Mungain, and Mird baya Mind Bay is tho outlet of Mird River, which fow into it from the wees On the southeast const are Louibbourg Harbour, Gabarus May, Porlhnd Cove, Forked 1 larbour, and Sh laprit llarbour. St Peter's Bay in on the south const, and In Lenox Channel lealing to the Gut of Canso. In the southern entrunce of the Gut ln aituated the ialand of Arichat, with the port of the ame nama. Tbo only harbour on the weat const which will admit treding revole is Port Hood, situated at the northeant point of SL Georgoin May: this barbour is capmaious, aud complotely abolierod. The ment remarkable phyeical feature of the island is the Bras d'Or, an inland seo, which ocoupies a large portion of its surface, and nearly divides it into two islanda. The entrance to this banin is by two channels formed by the island of Boulardrie, which lies between SL. Annia and Sydney harbours on the cast coast. The north channel in ealled the Great Eutrance, and the channel on the mouth adde of the island the littlo lintrauce: the last has a sunken bar at the mouth, and is neldom used even by boats. Boulardrio Ielend ls 20 milos long, and its greatest breadth is two miles. Within this Liland ls tho Little Bras d'Or, a passage to the west of which leads to Bedeque Bay and Whycocomagh Basin, which are together 15 miles leng. Another narrow passago at the sonth extreme of the Little Brus d'Or conducts to the large baein, whlch contains numerous small inlande, and hranehes out into several arms or inlets. The most mouthern of these arms terminates at the lsthmus of St. Peter, a neck of land only 900 yaris aeroes, which separaten the water of Bras d'Or from the Atlantic, at the Bay of St. l'eter in Lenox Channel.
The Bras d'Or receives the waters of severnl rivers, the principal of which are the Bedeque and the Wagamatcook on the north, and the Dennya on the weat. From the month of the Great Eintrance to the wouth-west extremity of St. Peter's lsthmus this inland basin ls 55 milea long; ito width from east to west at the broadest part is 20 miles. The depth of water varies from 70 to 360 fcet, and iu overy part it is mafely narignble, offering great commereial advantages to the island lyy affording water-communication to the farmers of every dintrict.
Tho island contains several fresh-water lakes in the north-west dirision is Lake Marguerite, 40 miles in circumference, the outlet of which is by a river of the same name 15 miles long, which falls into the sea opposite East Capo, on Prince 1:dward's Island. Grand Lake and Mir' liver or Lako are in the south division; the latter receives the waters of Salmon Hiver, which flows from the west. Thero are likewise on different parts of the coast many small streams Whife are not navigable.

The climate of Cape Breton is not so regular, but neither is it so rigorous as that of the neighbouring continent. The frost does not usually set in long before Christmas; and there are freqnent Intervals of warra weatber, sometimes for a fortaight together, in the course of the winter season. Very intense cold is occasionally experienced. Tho summer monthe are dry and warm on the castern coast, but on the wentern coast thero is more moisture. The mean summer heat is $80^{\circ}$ Fabrenbeit in the shade. The spring is short, and vegetation in exceedingly rapid. Planting and sowing aro done in Mny, fruits ripeu in July, and in August and September the harvest is got in.
Mica-plate, elnystate, syenite, and primitive trap are found in all parth of the island. 'rransition limentone, grauwacke, gypsum, and conl aro very genemally distributed. The coal-fields are of great extent in the mouth-eant division. Conl exists in the west part of the lsland; and it has been calculated that the arailable seams of coal in different parte occupy an area of 120 squaro miles. Iixtensive works are carried on at Bydney and at Lingen, where the senms vary in thleknews from 3 to 11 feet. The quartity of coal raised iu the Inlend ln 1851 was 53,000 chaldrons. Granite prevails among the primitlve rock mouth-east of the Bras d'Or. Gypsum is found in great abundlance is many parta, and particularly on the shores of the lisus d'Or. There are malt springs at leodeque, at Whycncomagh, at Wiagamatcook, and in some other parts on the 1 rras d'Or: the brise produces from 10 to 12 per cent of anlt. Ironore is found abundantly axnocisted with the cual about Sydney, Lingen, and in ather place. Some of the oro will, it is maid, yleld 60 per cent. of tho metul.
Tho principal vegetabie production of Capo Breton are timber, and the common cercel grain, including maizo and potatoen of the timber, which fucluden the phno, birch, onk, spruce, hemlock, beech, ahb, maple, and elm, consllerable shlpments aro made yearly to the United Kingdom. The produce $\ln 1851$ Included:- Wheat, 16,600 tuahels ; burley, 24,776 bunheln; onts 185,188 bunhels; ixnize, 121 trubhela; buck whent, 75 bualhels; rge, 83 bushels; potatoes, 114,654 vunlels; turnipn, 21, 118 bushels; hay, 16,251 tons ; butter, 329,086 He ; cheene, 10,800 libe.
The conit and larbours swarm with lish. Those moat commonly

Lakea are almon, cod, herringn, mackerel, shed, halibut, sturgoon, alewives, moles, plales, linddockm, and amelta, In the lakew aud rivers perch, trouk, brean, and coll aro abuadant. The statistios of the sinhery for 1851 nhow the foliowing rewults:- Veasels employed 21, of 103 tom, with 85 men: bonta employol 654, with 1295 men . Quantilies eured: dry finh, 21,458; malmon, 344 barrels; shad, 28 barrela; sunckerel, 9125 barrela; horring, 6113 barnals; nlewives, 53 barrela A considerable quautity of fuh-oil was also obtained, amounting to nearly a fourth of the quantity furniabed by all the other parti of Nova Scotla.

The first mettlement was made on this inland in 1512 by the Freneh, who gave it the name of Iale Royale. in 1720 they construeted the fortifications of Louisbourg, on tho south-arstern coast. In 1745 the island was laken by the British. The towu of Sydnoy, now the capital of the island, was founded in 1823 . It is laid out with regularity, and the houses are neatly built, each having a garden attached to it The courts of law are beld in Syduey, where also the different government officers havo their residences. Tho other settlements aro situsted cither on the sea-const or on the margin of the Bras d'Or. Most of the smaller settlements on the const have been mado by Inhermen, many of whom are the descendants of the Acadians, or original Freuch settlers from Nova Scotia. The Furopean iubsbitanta who occupy themselves in agriculturo and in the timber trado, aro principally emigrants from Scotland and Ireland; some few inbabitants are tho descendants of Anerican loyalists According to the Census returns of 1851 there wero then on the island 18 clergymen, 7 lawyers, 7 doctors, 119 merchants and traders, 94 employed in manufactures, 502 mechanics, 3276 farmers, 1124 persons engaged in the fisheries, 35 registered seamen, 273 persons emplojed at sea, and 66 employed in the lumber trade
The island is included withiu the government of Nova Scotia, and is politically divided into two districts or counties, those of Cape Bretou and Victoria. The island sends two ropresentatives to the Nova Scotia House of Assembly. The greater number of the iuhabitanta, inelnding most of the Scotch who came from the Highlands, are of the Roman Catholic religion. There are a fow Presbyterians, and some members of the Chureh of England, who are under the spiritual care of the bishop of Nova Scotia. The respective numbers of the various religious bodies iu 1851 were ns follows:-Church of liugland, 2156 ; Roman Catholies, 11,493; Kirk of Scotland, 3452 ; Presbyterian Chureh of Nova Scotia, 103; Free Church, 8968; Baptista, 531 ; Methodists, 685 ; Independents, 73 ; other denominations, 318. The number of churches in all was 47 ; of schools, 70 ; of scholass, 2179. A few Indians हtill remain in the island. Thelr principal employments are bunting and fishing, but tracts of land have been reserved for them, upon which they grow snaize and potatoes. They are quiet and iuoffensive, generally remain stationary at their settlements during the winter, but wander aloug tho shores at the revurn of wammer weather.
The following figures relative to the trade and manufncturea of Cape Breton are obtained from the Census returns of 1851:-Sarmills 14; grist-mills, 34 ; stoan-mills, 2 ; tanneries, 7 ; value of leather manufactured, 28541 ; value of boots and shoes manufactured, $6978 l$.; one foundry, employiug 5 hands, and producing castings of the value of 12001 .; 3 weaving and cardiug establishments; 1194 hand-looms; fulled-cloth manufactured, 24,850 yards; cloth (not fulled) manufactured, 43,504 yards; flaunel mauufactured, 16,084 yards; soap manufactured, value, $1074 l$. ; candlea, $512 l$; quautity of maple sugar, 2132 lbs The number of vessels built during the year was 24 of 2593 tons: the number of boats built wis 460 . The importa and exports stood as follows:-Sydney, estimated value of importis, 12,954l., of which 6413l. was from Great Blitain; 1332l. from British North Americis and 48491. from the Unitod States Exports, $30,234 l_{\text {, of which }} 18,90 \mathrm{cl}$. went to British North America, and 85051 . to the United States. Shipping, inwards-293, of 28,633 tons, with $10^{2} 20 \mathrm{men}$; of these ships 198 were from the British colonics: outwards, 300 ship (of whlch 102 sailed to British colonies), tonnage 30,127, with $1 \% 21$ inen. Arichat, value of imports, 16,2981 . ; exports, 21,850\%, of which about one half went to forcign states. Shipping, inwards, 183 of 15,215 tons, with 801 men: outwards, 77 of 5443 tons, with $35 \%$ men.
(Macgregor, British America; Bouchotte, British Dominions in North America; Parliamentary Papers.)

CAJE COAST CASTLI\% [GoLD CoAst.]
CAPE COD. [Massachereits.]
CAPE FEAR. [Carohsa, Nobth.]
CAl'L OF GOOD $1101^{\prime}{ }^{\prime}$, one of the most nouthern points of Africa, was discorered by Bartholomew 1iaz, tho l'ortugueno navigator, in 1493. Din\%, after exploring the Atlautic cosst of Africa as far as Cape das Voltas, $29^{\circ} \mathrm{S}$. lat, was driven out to sea hy $n$ storm, and the next land he saw was Algoa lay. Me laad thus doubled the southern cxtremity of Africa wlthout knowing it. On his way back ho saw the cape to which he gare the name of Cabo Tormentoso, or Cape of Storms, On his retirn horne the King of Portugal gave it the name of Capo of Good Hope, as an omen that the Portuguese had now a fair prospect of reaching lndia, the great object of their inarjtime expeditions. Vasco de Gams doubled it in November 1497, on his way to the Iudian seas, and from that time the l'ortuguese conei-
dered it as the southern extremity of Africa. But Africa does not terminate in a point: it presents to the Southern Ocean a broad line of coast running east and west, from $18^{\circ} 23^{\prime}$ E., the longitude of the Cape of Good Hope, to about $26^{\circ}$, which is the longitude of Algoa Bay. This coast is indented by several baye and forms several promontories, of which the Cape of Good Hope is the most westward, but Cape Agulhas, $20^{\circ} 10^{\prime}$ E. long. advances farthest to the south, beiug iu $34^{\circ} 45^{\prime} \mathrm{S}$. lat. The Cape of Good Hope is in $34^{\circ} 22^{\prime} \mathrm{S}$. lat. It forms the southern extremity of a narrow peninsula about 30 miles loug, formed by False Bay on the east, Table Bay on the north, and the Atlautic on the west. Cape Town is on Table Bay on the north coast of this peniusula, and Simon'e Town is on False Bay. This peninsula was the original boundary of the settlement which the Dutch made here about the middle of the 17 th century, but they soon exteuded themselves beyond the isthmus which joins it to the African continent. The Hottentots, the natives of this part of Africa, a mild and inoffensive race, were easily though gradually subdued by the Dutch, who encroached step by step upon their couutry, reducing them to the condition of serfs, or driving away before them the more stubborn tribes. This process continued for more than a century, until at last the Dutch occupied the whole country as far as the great ridge called Nieuwveld Bergen and Sneeuw Bergen, about $32^{\circ}$ S. lat., which runs east and west nearly parallel to the south coast, and divides the waters that run to the south, from those which flow north iuto the Orange River. Down to the close of the last century this ridge formed the natural boundary of the Cape colony, although the political boundary stretched considerably farther, the back settlers haring extended beyoud it on several points through the districts called by the Dutch Onder Roggeveld, Agter Roggeveld, and Middle Roggeveld. The colonial territory has since been considerably augmeuted.

The present boundaries of Cape Colony proper, as fixed by proclamation of July 5th, 1848, are-on the W. and S. the Atlantic Occan; on the N. the Orange River, or Gariep, to where the Welge Spruit falls iuto it in $30^{\circ} 25^{\prime} \mathrm{S}$ lat., $27^{\circ} 20^{\prime} \mathrm{E}$. long. ; on the E. the Welge Spruit to where the Wittebergen approuch it; the ridges of the latter and the Stornbergen to the sources of the White Kei River; aloug its eastern branch to where it joins the Zwart (Black) Kei; up the latter to the junction of the Klaas Smits River, ascending it to its sources near Gaika'e Kop; thence across the mountains to the sources of the Chumie, and down the latter and the Keiskamma to the sea. The length of the territory thus comprised, from west to east, is nearly 600 miles; its greatest breadth from north to south is about 450 miles; and its probable area is 203,000 square milea. It consists of several well-marked mountain chains and terraces rising one above auother from the coast.

At the south-western extremity of the colony is a completely insulnted mountain mass, forming the peninsula above mentioned, and of which the celebrated Table Mountain at the back of Cape Town is the highest summit (elevation 3582 feet). A brond expanse of level sands (the Cape Flats) divides it from the IIottentot IIOlland Mountains, which terminate in Cape Hangklip on the east of False Bay, opposite to the Cape of Good Hope. From the neighbourhood of Worceater, between 60 and 70 miles north-east of Cape Town, several chains of mountains strike off in different directions: the western or Tulbagh chain, which runs northward to near the nouth of Olifant'e River; the Drakenstein or Hottentot Holland chain before mentioned, which runs southward, in which and ite offshoote are several important mountain passes; a range which bears in its course from west to east, successively, the names of the Zwellendam, Outeniqua, and Zitzikamma mountaius, and which divides the southern sea-coast of the colony from the elcrated longitudinal valleys called Kannaland and the Long Kloof; aud the great Zwarteberg chain, which bears generally from west to east, aud nearly parallel in the greater part of its extent to the last-mentioned chain, being separated from it by the Long Kloof and the valley of the Kromme River.

North of the Zwarteberg liee the vast elevated plain called the Great Karroo, which extends for nearly 300 miles east and west, and about 80 miles north and south. It is a bleak wide desert, utterly bare and barren, except after heavy rains. On the west it communicates with the lloggeveld Karroo, and on the north it is bounded by a great chain of mountaine, which in its western part bears the name of the Nieuwveld Bergen, and farther eastward that of the Sneeuw Bergen. These last are the highest mountains in the colony; yet, notwithstanding their name, they are not covered with perpetual snow, and therefore do not give rise to unfailing streams. Their higheat summit, the Spitzkop or Compas Berg, north of the village of Great Reynett, has been variously eatimated at 7000 and 10,000 feet of elevation above the level of the sea
The land between these several mountain chains rises in successive stages like terraces from south to north; so that the Long Kloof is higher by some hundreds of feet than the country along the southern coast ; the Great Karroo is much higher than the Long Kloof (having, it is said, a medium elevation of 3000 feet above the sca); aud the country to the north of the Sneeuw Bergen io more elevated still.
The easternmost district of the colony, that of Albany, is for the most part a region of undulating hills, without any very conspicuoue emineuces ; but to the north and north-eant of it in another eystem
of high monntains, in which the Kunap, the Kat Rivel, and most of the other tributaries of the Great Fish River, as well as the Keiskamma and its feeders, take their rise. These are the mountains of Somerset, the Tarka, and the Ceded Territory. The Winterberg, their highest point, is supposed to have an elevation of 7000 feet. This chain extends in somewhat of an irregular crescent shape from between the Great and Little Fish rivers above the village of Somerset, to the upper valley of the Keiskamma, and links itself to tho Amatola Mountains in Kaffraria.
The rivers of the Cape Colony are numerous, but have little permanent depth of water. A very few can be entered by small craft; the remainder, including the Orange River, are not navigable. The principal streams which discharge themselves into the sea on the southern coast are (in succession from west to east) the Breede, the Gauritz, the Gamtoos, the Sunday, the Bushman's River, the Great Fish River, and the Keiskamma. Those of secondary importance likewise flowing directly into the sea are the Duyvenboks, the Kuysna, the Keurboome, the Kromme, the Zwartkops, and the Kowie. Of those which flow to the western coast the chief are the Berg River, Olifant's River, aud the Gariep or Great Orange River. Nearly all but the latter are torrents shrunken almost to dryness except after heavy lains, when they risc suddenly and become extremely impetuous aud formidable. Many of them flow in deep channels cut down fifty feet or more below the general surface of the country, betweeu steep banks choked with thick vegetation. These ravines are great hindrances to travellers, and reuder it very difficult to use the waters of the streans for irrigatiou.

The geueral character of the country is sterile and uninviting. The environs of Cape Town indeed are picturesque, and so also is the country eastward of the Fish River; some of the south-western districts have a considerable degree of fertility, and produce corn and wine in abundance, whilst all the rest of the colony may be considered at present as nearly a grazing country. The quantity of corn raised is more than sufficient for the wants of the colony. Considerable attention ie paid to the cultivation of the vine. White wine is produced in the interior. The small vineyard of Constantia, situated about eight miles west from Cape Town, has acquired celebrity from the luscious and high-flavoured wine which it produces, and which ie known as Constantia wine. The produce of the Coustantia vineyard, including both red and white wiues, varies from 8000 to 12,000 gallons annually, according to the season. The chief occupation of the rural districts is the rearing of cattle. Meriuo sheep have been introduced into the colony, and have been successfully reared. In various parts of the country there are extensive varieties of beautiful flowers, including several bundred specic's. The aloe yields produce amounting in some years to about $3000 l$. in value, which is chiefly exported. From the covering of the wax-berry, candles are manufactured. The southern faces of the Outeniqua and Zitzikamma mountains are clothed with forests of large trees, as are also the Zuurcberg and some other tracts near the eastern frontier; but the general characteristics of the scenery aro rocky and arid mountains, naked uncultivated plains, stony valleys without a tree, a prevailing monotouy, and absence of shade, of verdure, and of water. A few of the larger species of wild animals still exist in the remote parts of the colony, but their number diminishes as the civilised man encronches on the territory hitherto occupied by the wild beast and the undisciplined savage. The climato is on the whole dry, but mild and favourable to health. Rain falle plentifully on the coast, but iu the interior of the country it occurs rarely. The mean temperature for the year at Cape Town is $67.3^{\circ}$, the range being from $58.3^{\circ}$ to $76.6^{\circ}$. The coldest months are June and July ; the warmest are December and January.
The territory of Cape Colony is divided into 10 western and 10 eastern districts, very unequal in size. The western districts are Cape, Stellenbosch, Zwellendam, Caledon, Worcester, Clanwilliam, Paarl, Malmesbury, George, and Beaufort. The eastern districts areUitenhage, Port Elizabeth, Graaf Reynet, Cradock, Colesberg, Somer set, Albany, Fort Beaufort, Victoria, and Albert. The principal towna are-Cape Town, the capital [Cape Town], Grahametown, Port Elizabeth, Graaf Reynet, Simon'e Town, Uitenhage, Zwelleudam, Stellenbosch, Beaufort, \&c.

Grahemstown, the principal town of the eastern districte and capital of the Albany district, is situated near the sourcee of the Kowie River, on a plateau about 700 feet above the level of the ser. It containe 800 houses aud about 6000 inhabitants; returns two members to the House of Assembly; is governed by a municipality and has lately been very much improved. Port Elizabeth, on the north-west corner of Algoa Bay in the district of Uitenhage, is a mean-looking but thriving town of 5000 inhabitants, and is the principal port of the eastern province. In the year ending 5th January 1849 there entered the port 138 vessels of 24,900 tons aggregate burden. The customs dues were $25,266 l$. ; the total value of imports was $326,293 l$.; of exports 132,461 . The anchorage of Algoa Bay though open to tbe south-east winds is not unsafe for well provided vessels if proper care be taken. Landing however is often impracticable on account of the heavy surf. A lighthouse has been receutly placed upon Cape Recife, the south-western extremity of the bay. Graaj Reynet, the chief town of the district of that name, distant 500 miles E. from Cape Town and 142 uiles No W. from Grahamstown, stands on the Sunday River, near
the foot of the Gret Sueeuw Bergen. It is a prolty Duteh looking town and ialabited almost exeluaivaly by Dutch: fopulation about sova l'isenhage bas zoure the sproarance of a rural village than a town. It is one of the moet agreanle placen in the oulony, and utande on tho bonutiful littlo Zwathops River, in a fertilo valley surronuded by wooded hills It was proposed by tho lato Sir Beujanin il Urlan to romove the neat of governusent to thie place, a mowiure whioh promimel many advantageo bust which wat defated by the opponitiou it excitod at Capo Town. Simon'e Town, it miles from Capo Towu, is a tmall plece cunciating of little mare than aingle now of housen, ctrutcluing along the uboro of the lay and backed by stoop barren tony bith Simon's llay, the atation for shing of War, is a core on the weat side of Filve Bay: it it uot capable of ocnataining any great number of remola; but being sheltered from the westerly wiuds and in part from the awell caused by the sontheasterly winds, it in a anfer aucharage than Falec Bay. Ewellundem, Stollonbach, and Beaufort, the ehief placen of the dintrict so called, ano large villages.

The population of the Cape Colony according to the Censum of 1848 Whis 900,346 . Of this total 78,827 were whites, namely, 89,596 males and 36,931 females; 101,170 belonged to the coloured races, namely, 52.197 malos, 15,979 feranles ; the romaining 22,548 belonged to Cape Town, namely, $11,0 \% 4$ malos, 11,409 femalee The gennine Hotteutot uow in the colony are fow in comparison with the mixed breede, or ilastande as they aro called, in whom the blood of the ahoriginal race is eroesod with that of the Dutch, the Negro, or the Mainy. The Barom or Bosjermen too have declined in numbers, but some of this elugtalar race still roam the deserts lying along the nerthern boundary of Clanwillinm and Beaufort districts.
The constitutiou of the colony as finally adopted in 1853 after much agitation, consists of a Govermor, a Legislative Council, sud a House of Ansembly. The Goveraor is appointed by the crown. The Legislative Council is fermed of fifteen elective members and the chief justice of the colony, who holds his seat in right of his office and in proident whenover present: five members form a quorum; all questiona are decided by a majority not including the president, but When the votes are equal the president has the casting vote; the thembers are elected for ten ycars, but eight and seron retire alteruately every five years. The House of Asephly consists of forty-six znembers elected for five years, and twelve form a quorum. The electors are every malo person not suhject to legal incapacity who has occupied for twelve months previous to the day of election prosnises or land of the annual value of 251 ., or has been in the receipt of a salary of not leas than 50l. per annum, or of 25l. Logether with board and lodging. Registration claims, ohjections, publication of lints of roters, revision, sa, aro after the model of the mother country. Lisch of the ten western and ten eastern divisions returns two mombery each; Grahamstowu returns two members and Cape Towa (inclading the municipality of Green Point) returns four mem bern. A property qualifation is required for members of both houses of 20001 . in real property, or 40001 . in personal property clear of all nertgages or debth The colonial secretary, the treasurer, the attorney-general, and the auditor are empowered, ex officio, to act and rpent in both houses but net to rote. A session to be held once at least in crery sear. The governor has power to give or refuse his amont to billn presed, or to reserve them for the royal pleasure, hut the Queen in council may disallow of acts assented to by the governor. The civil list, as it may be called, amounts to $108,090 \mathrm{~L}$, of whioh the goveraor and his necretary receive 5300l.; the colonial secretary and hil department $5500 \ell$; the trensurerogeneral and his department $1890 l$, ; the registrar of deeds $1000 l$. ; the nost-office 2330 ; the supreme court of law 7935 L ; tho divisional courts 16,3351 . ; education ertahlishments 1100 l ; police, prisons, and jails 15401 ; puhlic worabip 16,060l.; pensious 15,0001 .; border departmont (aborigines) 14,000 . ; the reot to various offices.

The Eistahliabed Chureh has a bishop of Capo Town with a dean, four eanons, and two archdcacons. The bishop of Cape Tuwn is motropolitan, and han under him the bishop of Grahamstown ergated in 185s, and the bishop of Natal created in the anme year, and the dioceno iucludes the inland of St. Helene A considerable part of the community belong to tho Dutch Reformed Church, and there are alwo numbers of Dimenters, all of whom have their parious placea of workip, achoole, \&e. The public provinion for education in tho colony in mmle on a comprehenaire and liberal scale. Besides the South African Collego ln Cape Town and the Diocema Colleginto Seliool in the Cape divislon, there are 179 publio and privato achools, come wholly mome partially mupported and direeted by the govoramatin. In each dintriot town there in a governmeut free achool, which is kept independent of all adeterian inf uenco.

The groee revenue of tho Cape of Goud Hopo in the yenr 1848 was 223,554 , the cont of collection belng 10,0306 . Tho principal items were: Custom, 83,7881 ; land revenue, 14,5001 ; land salos, $8087 l_{4}$; trunufer dutiea, $20,38 \%$. ; muction duties, $17,25 \% 1 . ;$ ntampend licences, $20,5071$. , and pootage, $06 \% 44$. The total expense of the civil cutablith ment in the mome year wee 250,201t, including 10,8181, for lmmigration. The total military expenditure for the year ending March 31, 1850, was 158,201l. ; the number of men, including the ertillery, was 4790. In 1849 the total amount of exprorta wan 647,0471 ; tho inports emounted to $829,089 \%$

The Capo Colony in preetninent anong new countrion for the number and excelleuco of its ronda. They are managed by a board aiting at Capo Towu, and tho expenso ls dofrayed by a local rata [Rarab; Kayprabia; T'rashoaraeplay Sovineigsty.]
(Ponliamenfury Pupers: Cupe of Good Hope Almanacl: Communieation from (the Clape of liood Hope.)

CAPE IIORN, which is comidered the mouthern extremity of America, in not a part of that continent, but in the most southeru point of anall island which belonge to tho oxtunsive group of Tiarra del Fuego. it is aituatod in about $56^{\circ} \mathrm{S}$. lati, $61^{\circ} 10^{\prime} \mathrm{W}$. loug., and consists of a high precipitous black rock, which is conspicuous aboro all tho ueighbouring land, utterly deatituto of regotation, and running far out isto the son. Tho strung wosterly gales which blow in the neighbourhood of this anpe render it difficult to bo douhlod from the eant. These gales however blow during tho sumumer (Octoler to April) ouly uear the cape; in $60^{\circ}$ S. lat. they are more variable, and vessels now double the cape, ns it is called, without danger, amply by mailing ou a higher latitule. During the winter east winds are more frequent; but at that manon the uavigation is rondered dangerous by the floating islands which appronch the cape, and arefound evon farther to tho uorth. There is a current towards the oast near tho capo which is attributed to the effect of the west galea. (Capt. Basil Hall)

CAPE TOWN, tho capital of the British possessious in South Africa, is in $33^{\circ} 55^{\prime} \mathrm{S}$. latn, and $18^{\circ} 21^{\prime} \mathrm{E}$. loug., at the foot of Table Mountain, on the shore of Table Bay, from which the ground rises with a geutlo alopo towards the mountain. Capo Town was foundod by the Duteh in 1650 , and, together with the colony, continued in their possession until 1795, when it was taken by the English. At the peace of Amiens it was restored to the Dutch, but was again taken by the English in 1806, and has since remained in their possession. The town is well and regularly built. The houses, which are flat roofed and for the most part of a good size, are uearly all of rod hrick or stone, and furnished with a verandals in frout. The principal strects aro wido and clean, and regularly laid out, intersecting each other at right angles, and shaded with oaks aud elms; but they are unpaved, and therefore oxcessively dusty in dry weather: The town is exposed to great heat in consequence of its situatiou, facing the uoonday sun and immediately backed by naked mountains The castle is on the right side of the town looking townrds Table Baj, the anchornge iu which it commanda. This fortress is of cous siderahle strength. Its form is pentagonal, and it had a broad fosso aud regular out-works. Many of the public offices of the ooleny are within its walls, which likewise contain barracks capable of holding 1000 mon. Counected with the castle on the east hy a rampart called the Sea-lines is Fort Kuokke, and still farther enat is Craig's Tower and battery. On the west, surrouuding the hill called the Liou's Rump, are Chavonno, Amsterdam, and Rogge batteries; and the entranco to the bay is commanded by a battery called the Mouille

Tahle Bay is sufficiently capacious to contain a great uumber of ships, but it is exposed to a heavy swell during the prevaleuce of the westerly irinds in Junc, July, and August. At other tixnes tho anchorage is tolerably safe. When discharging or taking in goods ships are moored very near the landiug-place, which is built of wood and is at the east side of the town. 'The south-enst wind, as it hlows from off the shore, is not dangerous to ships in the bay; but it often cuts off the communicatiou betweeu them and the land for several days together. It is usually accompried by that poculine cloud called the Table Cloth, which lies along the top of Table Mountain like a wreath of enow; while the rest of the sky is perfectly clear.

There are eleveu churches aud chapels iu the town. Three of these are of the Established Church, four Einglish Dissenting, ono Scotch, one Dutch, one Lutheran, and one Roman Catholic. The ministers of all theso places of publio worahip are supported by the colonial goverument. The suprome court of justice for Capo Colony is held withiu the town under the presidency of a chief justico and two puisue judgen ; thero aro beaides a magiatraton' court and a polico office, having a judgo and suparintendent and a deputy. An observatory has been catablished ahout 2 milea worth from Cape Town under the control of the Lords of the Adminalty. An irou building has lately been erected to servo as a-depôt for oonls, to supply the stomevemsels Which touch at tho cipe on their route to Australia.
The plain which surrounds Tablo Mountain is composed of blue schist, iuterrupted hy masses of blue alinty rock, and reating upou an tenncious clay improguated with iron. After asceudiag 000 feet tho mountain appears to bo nearly a solid mase of granite, charucterised by large crystals of felspar, aud containing, hesides quartz and mice, occamioual masecis of horublende. After ascending 900 feet higher the granito is surmounted by thin horizoutal strata of red mandstone for near 200 feet; then succeods a more indurated sandstonc, quite white, and containing imsodided in it picoes of quartz from the nize of a pan to that of an apple; this formation continuem to the summit of the mountain, which is 3567 feot above the sca

CAPE VERD ISLANDS (Ihns Verdes), were so called by the Portuguese becavive the sen to the west of them is covered with Gulfweod, so as to present some resemblance to extensive moadows. This group of insunds is about 300 milem from the weatern strore of Africa, between $14^{\circ} 17^{\prime}$ and $17^{\circ} 10^{\prime} \mathrm{N}$. latu, and between $22^{\circ} 10^{\prime}$ and $25^{\circ} 10^{\prime}$
W. long. Their shores are commonly low, or of moderate elevation, but in the interior the islands often rise to a considerable height. They are donbtless of volcamic origin, and a volcano still exists in the island of Fogo, the sumunit of which is above 9000 feet high. The soil is very dry, but by no means sterile. The rainy season lasts from July to November, and is attended with thunder-storms and thick fogs. Sometimes no rain falls for three or four years together, and the consequence is a famine. During the rainy season the climate is unhealthy. Maize and rice are the principal objects of agriculture; but all the fruits of the south of Europe and of Western Africa grow abundantly, especially oranges, melons, pomegranates, hananas, lemons, figs, guavas, grapes, cocoa-nuts, and pine-apples. Coffee grows well, as also indigo and tobacco. Sugar and cotton are grown, but very little is exported; and though the vine flourishes, the wine made is of inferior quality. The palm, tamarind, and adansonia are the principal trees. The number of trees on the island however is hut small. Among the domestic animals the most numerous are cattle, goata, asses, and fowls; goat-skins are the principal article of export, upwards of 6000 being annually shipped. Asses are exported to the West Indies. The most remarkable of the wild animals are monkeys and bisam-cats; turtles abound in the neighbouring seas. Salt is made by evaporation from ses-water in most of these islands on the low shores, and forms an important article of export to America and the coast of Africa. A good deal of orchilla is gathered. The inhabitants, who are all Catholics and speak Portuguese, are mostly negroes, mixed with some mulattoes, the descendants of the Portuguese who have settled here. Therc are very few whites. Vessels bound for the Fast Indies sometimes stop here for fresh provisions.

The group consists of 8 larger islands and several barren islets. The following table shows their area and comparative populations :-


It mnst he mentioned howerer that the total population of the islands in 1850 amounted to 86,739 . The population in the tahlo is taken from the Census of 1934. The total area of all the islands and isleta belonging to the gronp is 1642 square miles.
Branca, Chaon, Carnera, and Ghuay are baro rockn, and Tha do Sal has a sterile soil, but is important for the grcat quantity of salt collected in the numerous lagunes with which its beach is covered, and which is formed by solar evaporation.

The capital of the islands is Ribeira Grande, which is situated on tho island of Santiago. It is the seat of a bishop, the resideuce of the Portuguese governor of the Cape Verds, and contains 500 houses : it is situated at the mouth of a river whicll forms a small harhour, but it is not much visited, Porto Praya is a good harbour, and is visited by vessels hound for Iudia: it contains 1200 inhabitants.

These islands were discovered in 1449 by the Portuguese, and somo years afterwards they were settled. They aro still in the posscssion of the Portuguese, and under a scparate governor. Besides the few articles (goat-skins, salt, turtles, fruits, saltpetre, cattle, and asses) which are exported, the inhahitants have some commerce with the continent of Africe, where they sell cotton cloths. Whales ahound round the islands, and amber is found on all the coasts. Linen, earthenware, pottery, and soap are made on some of the islauds.

In the sea which divides this group from Africa, the atmosphere for the greater part of the jear is hazy and foggy, especially near the contincut, so that the vessels aailing south prefer to keep to the west of the islands. The same phenomenon of a foggy atmosphere is observed farther north, hetween the Canaries and the coast north of Cape Bojador.
(Macsregor, Commercial Statistics.)
CAPE WALKER. [Norta Porat Countries.]
CAPELLE, LA. [AENE]
CAPERNAUM, an ancient city of Galilce in Palestinc, ahout 70 miles N. by F. from Jerusalem, was situated on the north-western shore of the Sea of Tiberis, and ahout 2 miles W. from the mouth of the Jordan. It was a place of considerable importance in the time of Christ. It wus there that our Saviour commenced his public ministry; and in its neighbourhood he delivered the Scrmon on the Mount. Its continued impenitency and unbelief, notwithstanding the pcculiar opportunities with which it was favoured, led to the denunciations prononnced against it. The name (Kaphr-uahum) meant 'village of consolation.' The ruins are now called Tell-IIam, 'the ruince heap of a berd of cameln, Tho remains of Roman haths, porticocs, and huildings attest its ancient frnportance.

CAPITANATA, a province of the kinglom of Naples corresponding to the ancicnt Daunia, extends along the Adriatic from the mouth
of the Saccione to the mouth of the Ofanto. The Ofanto divides the province on the south-east from Basilicata and Bari ; on the south and south-west lies the province of Principato Ultra, separated from Capitanata by the main ridge of the Apennines. The north-western boundary towards Sannio or Molise is formed by the upper course of the Fortore to the point where this river crosses the high road from Lucers to Ururi: it then runs along this road for five miles in a north-west direction, and thence down to the Saccione, along the left bank of which it runs to its mouth. The length of the province along the coast in a straight line is 70 miles; hut reckoning the winding of the sea round the great projection of Monte Gargano, the coast-line measures at least 100 miles. The average width of the province is about 45 miles; hut between the crest of the Apennines and the extremity of Monte Gargano it is not less than 75 miles. The area is about 2359 square miles, and the population in 1851 was 318,415 . The governor of this territory and the adjoining parts of Italy suh. ject to the Eastern emperors, was styled Katapan; and Capitanata is supposed to be a corruption of Katapanata or Catapanata, the name by which his province would most probably be designated. The province is also vulgarly called Puglia Piana (or level Puglia) to distinguish it from Puglia Pietrosa (the rocky), now Terra di Bari and Otranto.
The greater part of Capitanata consists of a wide plain sloping gently from the foot of the Apennines to the Adriatic. In the northern part of the province the mountainous region of Monte Gargano projects eastward into the sea, forming a promontory which from its shape and positiou has been called the 'Spur of Italy.' To the north-west the districts of Torre Maggiore, Lucera, and Vulturara lie among offsets of the Apennine ridge. To the west the towns of Troja and Bovino, and to the south that of Ascoli rise at the foot of the ridge itself. All the rest is a vast monotonous plain, without trees, with hardly any villages or louses, and with only the city of Foggia in the middle of it, and the town of Cerignola near tho Ofanto. This plain is known hy the name of Tavoliere di Puglia. The Fortore flows north-north-east Into the sea to the north of Lake Lesina, opposite the Tremiti Isles. The Candelaro rises to the north of Torre Maggiore, not far from the right bank of the Fortore, from which it is divided hy a low offshoot of the Apennines; it thence flows south-east along the western base of the Monte Gargano, receiving on the right bank from the Apennines tho Triolo, the Volgano, and the Celone (which cross the northern part of the Tavoliere), and on the left bank a few small streams from Monte Gargano, and falls into the shore-lake of Pantano Salso, a few miles south of Maufredonia The Cervaro and Carapella flow in a north-east direction from the Apennines, and at a distance of ouly a few miles apart across the Tavoliere, the former enters the Pantano Salso; the latter discharges parz of its waters into the shore-lako of Salpi, aud the rest, by a canal cut in 1930 , into the Adriatic. The Candelaro, Celone, and some of the other rivers are embanked to prevent inundations. The Ofanto (ancient Aufidus) is noticed under Basilicata.
About one-sixth of the surface among the hilly regions of Gargano and the Apennines is covered with forests and plantations of trees. Monte Gargano, the ancient Garganus, is the only great promontory on the Italian shore of the Adriatic betweeu Ancona and Otranto. The region is a compact mass of limestone mountains geologically connected with the Apennines, but separatod from them by a portion of the great plain of Apulia, It cxtends not less than 35 miles from east to west, above 20 miles from north to south, and attains in its highest point an elevation of 5120 feet abovo the sea. In ancient times Garganus was celebrated for its dense forests of onk, but these have now almost entirely disappeared. The southern slopes of Monte Gargano are covered with aromatic herhs, from which the bees of the region make niost excellent honey-the offshoot between Monte San Angelo and the sea was cclebrated for its honey by Horace, whrse name for the range (Matinus) is perpetuated in that of Mattinata, a village with a tower and small port. The ridges of Monte Gargano that extend down to the sea screen several coves well adapted for sheltering small craft. The Monte Gargano, with its well-wooded ravincs interapersed with villages, presents much beautiful and interesting scenery. The region contains extensive quarries of alahaster.

The great plain of the Tavoliere is about 60 miles long and 30 miles hroad is its widest part ; it occupies $1,120,000$ moggia, or nearly onehalf of the surface of the province. It belongs to the crown, with the cxception of a few small portions. Two-thirds of the plain are left for pasture, and have no resident population; and the other third is cultivated, excepting 58,000 moggia of it, which are covercd with marshes. The history of the Tavoliere is interesting. Daunia, previous to the loman invasion, was well inhabited, and had many towns. In the second Punic war the devastation of the country was commenced. The wars of Sulla and the servile war of Spartacus completed the desolation. The towns and villages of the plain being destroycd, the inhahitants became wanderers and sliepherds. The course of the rivers and drains being neglectod, pestileutial marshes were formed near the sea-const; while the inland plain, deprived of irrigation, was burnt up by the summer heats. In winter however it afforded a natural and ahundant pasture. The mountaineers of Samnium and Abruzzo hegan to lead their flocks in winter into the plains of A pulia, which were abandoned, and returned to the mountains for the summer. This was the origin of the system of migratory
pasturing, which has continued ever sinoo. The 1 lomans Imposed a tribute upon the risht to pantare in the plain, anil intrusted its amangoment to l'ublicani, called 'Alabareli,' who nombered the hearls of rattle or sheop, and collectal the tax. (lhseanges 'Glomarimm" art "Alsbanchl?' "nder the omperors the complaint of the oxtortion of the l'ublicani becrme so loud that Nero proporel to the conato the abolition of the tax, which bowever wan not effectod. Under the Normana the Tavoliere was made a royal property, and parts of it were let to 'locati,' or tequula Charles of Durazzo drove aray the tenanta By lottern-pstent of Alfoneo of Armgon, deted from Tibur ist of Augut $141 \%$, the propritors of docki In tho inountains of Samnlum and Abruzso were obliged to tako them lnto the flain of Puglia for the winter, and to paj a tax at so much per head. In mitigation of this compuleory system the proprictore obtained several privileges and immunition, which gave it a marked resemblance to the Spanimh Jfenta, on which no donbe it was modelled.

In 1601 this obligatory migration was commuted into a roluntary one, by which every proprietor of flocks obtalned the quantity of ground that he wanted for pasture by paying to the treasury 132 ducals s yesr fur every 1000 sheep. Other parts of the plain were let for cultiration. Uvider Joneph Bonaparte, in 1806, all the tempo. rary tenants of the Tavoliere were obliged to become perpetual tenanta, and to purehame their lease, under which regulntion $1,800,000$ Jucate were paid at onee Into the treasury. In 1817, after the restoretion, a second fee to the rame amount whe exacted, and the annual charge wne aloo raised; at the same time the peace lowered the price of agriculturnl produce, and much distress among the tenants was the consequence. An insurrection followed iu 1520. Austris intervened and abolished the compulsory system which was tho cnuse of the outbreak. The farmers and breeders of the ueighbouring prorinces however atill voluntarily bring their focks; and the administration of the pastumge instend of being as formerly in the hands of a johbing board at Forgin is eutirely confifled to the Intendente of the province. The tolle and reuts now paid to the crown from this system are said to amount to 100,000 ducats a year. Each flock is under the care of a chief shepherl, an uuder shephend, and head dairyman; it is subdirided juto 'morre' of 350 mheep each, under the care of a shepherd, dairyman, and cheesemaker. To each morra two dogs of the large white A bruzzo breed are attached, and a mule for carrying the haggage and utensils formaking checae. All the atteudants on the flocks are dreased in bheep-skiu conta, coarae cloth breeches, and saudals; and whilnt in the pastures they sleep on the ground under tents of skins.

The breed of sheep has been improved by the cross of merinoes, and the wool is doubled in value. The hreed of horsen has also beeu improved; and winnowing and threshing machines hare heeu introduced. Sotwithstauding the drynem of the soil nud the little manure used hy the cultivators, wheat thrives very well on it, and large quantitiea are exported. From the Gargano, which is the best cultivated district in the province, oil, lemons, oranges, carobs, capers, and tercbinth gum are exported. Large cels from the lakee of Varano and Leaina, in the naue district, are exported, chiefly to Naplea, Checee, cattle, and poniea form the other articles of exportation. The manufactures are very few, consisting of some linens made at Cerig. noln, coarse hats, leather, cominon soap, \&c. Manfredonia, on the Gulf of Manfredouia, whichlambeltered on the north-west by Monte Gangano, is the only harbour iu the province, hut it has not depth of water for large vewela. Near Jlanfredonia are ealt-works of marine salt. The marah called Lago Saloo, between the Candelaroand the Cerraro, is about 4 miles in length and 2 milem in breadth. Further east along the cosst, and between tho month of the Carapelle and that of the Ofanto, is the great marah called Lago Salpi, 20 squaro milcs in extent and only 2 feet in its greatest depth; it is nearly dry in summer, and poisons the air all around. Two mall towne, Salpi (on the ruins of the ancient Salapin, celchrated for its tiege by Flannihal) and CasalTrinith (population 3800) are near its borders, The royal salterns mear Casal-Trinith are tho most important salt-works in the kingdom.

Towns- Fogjia, the capital of Capitamata, is a well-built modern town of 21,000 inhabitantes, the seat of the provincial courts of justice, of a commercinl court, and the centre of all the trade of the province. Around it are plantatious of ollves, vines, and other frnit-treen, which form an oasin in the midnt of a desert. Many of the provincial nobility and gentry reaide at Foggia. The great road from Naples to Barlettn, Bari, \&c., passes through Foggis, whence other roads brnnely off to Manfredonia and Monte Gargano, to San Severo, and to Lucera. Foggin is is miles E.N.E. from Naples, and 20 miles S.W. from Mafredomin The city is supponed to have been huilt from the ruins of Arpi, 1 miles distant, which was taken hy Hannibal after the battle of Counse. Tho principal streots aro wide, and contain good houses and handsome shops The cathedral, originally a gothic structure, wan dostroyed hy an earthquake in 1731 ; the upper gart has been einco rehuilt in a difforent atylc. The town has a good theatre; and a new campo-arato, or cemotery, and promenado havo beon recently formod. Foggis wis one of the favoarite places of resirlence of the emperor Frederick 11., whine third wife, Imbella of England, and deughter of KIng John, died here. The gateway of the emperor's palsce and a well eunk by him atill remain. Manfred, Frederick's natural mon, defented the logato of Popo Alexander IV. under the walls of Foggin, and wos crowaed in the cathedral. Charles 1. of Anjou
and his son Thilippe died in the fortifed palneo of Foggia. After the aceupation of Otranto lyy the Turks Ferdinaud I. of Aragon asacmbled here a parliament of larone and prelates to arrange a crusade agniust the infilele In 1760 Francis I., then duke of Calabria, wes married to the Grand Duchess Jlaria Clemeution of Aumerin, in the cathedral and at this time lierdimand 1. and his court nesided at Foggin, which ranked an the meocnd eity In the kingdom.

Cerigmola, 24 ıniles S.E. from Foggia, and ahout 6 miles N.WF. from the bridge of Canom over the Ufanto, is a well-huilt opisconal town with about 10,000 inlabitanta . It conmiate of an old and a new town ; the former still retain portious of its ancieut walls. The town is bulle on a hill, which commande an extensive viow over a monotoaoum plain of corn-land without a aingle tree. The decinive battlo of Cerignoln, in which the Spauinrds under Gonsalvo di Cordoba (April 29, 1503) defented the Freuch uuder the Duke do Nesuours, reduced the kingdom of Naples to a Spanish province. An mecient miliary stoue mtill standing in oue of the streets reconds that Trajan had made tho road from IBeneventuus to Brundusiun at his owu cost.

Bovino, 18 miles S. W". from Foggia, is an epincopmel town situated on a hill at the foot of the Apeuninen, and len a population of 5700 . It occupies the site of the ancient Vibinum. The Val di Boriuo, or Pas of Bovino, is a narrow defile traversed by the Cervaro, inaccesnible except at its two extremities; it is diversified by corn-fields, hopgrounds, and foresto abounding with whito acmeia and arbor-vitie. This defle was formerly the haust of the brigauds of Capitanata; indeed Bovino still enjoys the reputation of being the nursery of the most famous brignads in all Italy. The road from Ariano to Foggia runs through the Val di Boviuo, along tho left hauk of tho Cervaro; at Ponte di Bovino, the eastern cud of the defile, a branch crosses the Cervaro, and traverses the Tavoliere to Cerignola.

Ascoli, a poor place of 5000 inhabitants, on the road from Bovino to Melf, occupies the site of the ancient Asculum Apulum, the scenc of the drawn battle between Pyrrhus and the Romans under the cousul Curius [Ascoli di Satriaso.]

Dfanfredonia, a city foundod by Manfred in 1256, and named from him, is 23 miles E.N.E. from Foggia, at the head of the Gulf of Manfrcdouia, and has 5000 inhabitauta It was buile from the ruins of Sipontum, an ancient Greek city, which was desolated in the invasion of the Goths. The Lown is well built, with wicle streets of symmetrical houses. Maufrodouis gives title to an archbishop, and for cleanliness and regularity of plan is surpassed by fow citice in Europe. It is surrounded by walls and defended by a strong castle, which also commands the port. The population, formerly much greater, has dwindled to its present amount ju consequence of malaria from the Sipontine marshes; these however have been reccutly drained, and the town is said now to be moro healthy. The church of Madonna di Xiponto, among the ruins of Sipontum, is still the archiepiscopal cathedral, aud is built in the Saraceuic style. The city contains many heautiful buildings, and ita harbour is the chief port of the province.

Monte Sant Angelo, about 6 miles N. from Manfredonia, situnted on one of the mountains of Garganus, is a well-built town with about 12,000 inhabitants. The lown, which has a fine castle, look its name aud its origin from the archangel St. Michael, the patron saint of the Norman couquerors of south Italy and Sicily, who is said to bavo appeared here in a care in the year 491 to San Lorenzo, archbishop of Sipontum. On the Sth of May, the festival or the saint, the lown and mountain aro crowded with pilgrims to the holy care, not only from the region of Monto Gargano but even from remote provinces of the kiugdom; they come in an endless variety of costume, many of them armed cap-h-pie and all ascend the mountain on foot, bareheaded, and singing the hymn to the archaugel. Tho cave is lighted with lamps and terminates in three chapels, one dedicated to St. Michanel and another to the Madonna; in the third is a small cistern of cool and limpid water, which is distributed to visiters, and is said to havo wonderful bealing powers. Through a narrow fissure in the roof of the cave a mont imposing view of the monastery of Sant' Angclo is obtnined rearing its pinnacles from the impending rock at an inmense helght above. The road from Manfredouia to Monte Sant' Angclo pasaes through a succeasion of gardens filled with orange trees for three or four miles. The mountain is then anceuded by steep and tiresome zigzag pathe practicahlo only for pedestriaus. The town of Monto Scut' Angclo, like most placen of pilgrimage, is besut with beggars,

Lncera, about 10 miles N.W. Erom Foggia, is situated on a steep and commanding eminenco above the Tavoliere, and has a populatiou of about 10,000 . It occupios the site of the ancient Luceria, the capital of Daunin. The ancient city was destroyed in the wars of the Tth century, and lay in ruins till 1239 , when tho emperor Frederick II. restored it an a reaidenco fer lin Sicilian Saracens, to whom he graranteed the free exercino of their religiou. Christians were excluded from tho city and compelled to reaide beyond the walle, where thoir church, callod Madonna della Spica, is still standing. 'The town is girt with old wall piercod by five gateways. Tlie cratle is about a quarter of a mile from the town and scparated from it by a ditch crosed by a drawbridga. Tho old strects are narrow, but the modern parts of the town are well built and handsome. "The bishop's palace is the finest building in the province. The cathedral, which the Saracens converted into a mosque, has a gothic interior, but still
bears external traces of Moorish aclitecture ; it contains 13 pillars of verde antique, supposed to have helonged to an ancicut temple, and the pulpit is adorned with Greek mosaics. The castle occupies the site of the ancient Roman citadel, under the walls of which the Romans wiped out the disgrace of their ignominious defent at Furcule Caudiur. A large square tower in the centre of the castle is supposed to he of Roman erection; the rest of the huilding is attrihuted to Frederick II. Though now in ruins this castle is one of the most imposing buildings of the kind in Italy. Its walls inclose space enough to contain a small city; two round towers are still standing, one of which is now a telegraph station. The emperor erected apartments for himself in the area, which were connected with the town hy a suhterranean passage. Frederick's son, Manfred, took refuge with the Saracen garrison of Lucera in 1254, and his widow and children after the fatal hattle of Benerento resided in the castle for a short time. Charles of Anjou expelled the Saracens in 1269. Near Lucera are the ruins of Castel Fiorentino, in which the emperor Frederick II. died Dec. 13, 1250. Lucera is the seat of judicial courts for the province of Capitanata and has a small college. Tho territory of Lucera is now as in ancient times famous for the fine quality of the wool which is furnished hy its flocks.

San Secero, one of the most flourishing towns in the province, is situated near the northern edge of the Tavoliere, 20 miles N. hy W. from Foggia, and has a population of 19,000 . In 1799 it was almost destroyed hy the French in revenge for the gallant resistance made hy its inhabitants, 3000 of whom were slain; the rest were saved hy the intrepid conduct of the women, who rushed hetween the comhatants. The town was afterwards walled, hut a new quarter and large suhurhs have recently sprung up beyond the walls, which contain many handsome residences of the rich proprietors of the province.

Serra Capriola, in the north of the province hetween the Fortore and the Saccione, is a small town of 5600 inhabitants. At the village of Chienti, a little north of it, are ancient ruins supposed to be those of the Apulian Teate.

Troja, a small episcopal city of 5300 inhahitants, huilt ou a conical hill, 15 miles S.W. from Foggia, was founded hy one of the Greek Katapans in the 11th century. This city has given name to three remarkable hattles: one fought in 1254, in which Manfred defeated the ariny of Pope Innocent 1 V .; a second in 1441 in the plain between Troja and Bovino, in which Alfonso I. of Aragon in person defeated the army of Rene of Anjou; and the third iu 1462, when the Anjovines were again totally defeated hy the Spaniards commanded by Ferdinand I. of Aragon.

Viesti, a small ses-port town of about 5000 inhabitants, is situated on the Adriatic shore at the north-eastern base of Monte Gargano.
Off the northern const of Capitanata are the Tremiti Islauds, about 10 miles distant from the Puuta di Mileto hetween the shore lakes of Varano and Lesina. These islands are tho ancient Diomedece Insulfe. There are four of them : San Domenico the most southern and the largest; San Nicola or Tremiti; Caprara; and about 10 miles northeagtward Pianosa. There is a monastery aud castle on Tremiti; in this island a volcano burst forth May 15, 1816, and threw up stones and lava for several hours. On San Domenico also there is a large monastery. This island was the place of exile of Augustus's infamous granddanghter Julia, who died here.

CAPO D'ISTRIA. [Istria.]
CAPPADO'CIA, a country of Asia Minor, usnally spoken of in two divisions-1, Cappadocia the Great, or Cappadocia bordering on the Taurus (Straho), also culled Cappadocia simply; and 2, Cappadocia hordering on the Pontus, often called Pontus only. Cappadocia on the Pontus includes the country north of the range of mountains anciently called the Paryadres. Taken in its comprehensive sense the term Cappndocia included nearly the whole of the Turkish province of Roum, and a great part of Karamanin. It was bounded N. hy the Pontus Euxinus (Black Sca), S. hy Taurus, which divided it from Cilicia, W. hy Paphlagonia, Phrygia, and Galatia, and E. hy the Euphrates. Both the Cappadocians on the Pontns and those hordering on the Taurus were called Syrians by the Greeks, and White Syrians (Acurol इúpoi), to distinguish them from the Black Syrians beyond the Taurus. (Herod. i. 72, v. 49 ; Straho, xvi. p. 737, a, Cusauh.) Cappadocians was the name given them hy the Persians. (Herod. vii. 72. .) There is a river Cappadox, mentioned by Pliny, rising in somo of the mountain-ridges, aud flowing along the boundary of Galatia and Cappadocia into the Halys; the name is not mentioned hy Straho ; and it is probably of comparatively late origin. Some writers however have derived tho name of the country from the river. Ainsworth in the 'London Geographical Journal,' vol. x. 290, supposes the Cappadox to be the Kalichi, which joins the Halys on the right hank a little north of $39^{\circ} \mathrm{N}$. lat.

Cappadocia is one of the richest parts of Asia Minor; it is characterised hy extensive plains of great fertility. It was generally deficient in wood, but well adapted for grain, particularly wheat. Some parts of it produced excellent wine. Of the mountains the principal is the Taurus, which forms in fact the southern boundary. Two other important chains, the Anti-Taurus and the Paryadres (Keldir), run nearly parallel from Armenia into the centrc of Cappadocia, From the summit of Mount Argens Strabo says (xii. p. 538), that the few who lad ever gone so high had been able to seo the Black Sea and the

Gulf of Scanderoon, au assertion which is confuted hy the hare inspection of a map. [Avatolia.] Cappadocia the Great generally has little wood; almost the only timber district is in the neighbourhood of Mount Argreus, which supplies the rest of the country with fuel. Beyond this woody region which surrounds the mountain is a sandy plain with a substratum of rock, quite harren and uncultivated. The part hetween Mount Argæus and Mazaea (Kesarieh), and indeed most of this district, appears to have been the seat of volcanic action (Strah. xii. p. 538); it abounds in water, chiefly marshes caused hy the overflow of the river Melas. On the hanks of the Melas were some large stone quarries, which supplied the people of Mazaca with huilding materials. Mazaca was the favourite abode of the kings of Cappadocia, who appear to have selected it for its central position, and hecause it ahounded in timher and in stons as well as in fodder, which was a great object where so much attention was paid to cattle. (Xen. 'Cyrop.' ii. 1, 5.) The tribute which they paid to the Persian monarch consisted chiefly in horses, mules, and sheep. The high table-lands of this country are admirable pasture-land; and it is prohahle that in very early, as well as in later times, the Cappadocians carried on an extensive trade in supplying the ueighhouring nations with horses and mules. (Ezekiel, xxvii., 4.)

The principal towns of Pontic Cappadocia wero on the coast. A little east of the mouth of the Halys was Amisus (Samsuu) : farther east on the river Thermodon stood Themiscyra, whose plains were the fahled ahode of the Amazons; proceeding along the coast we come to Cerasus, which some suppose to he represented hy the modern Keresun, whero cherry-trees grow wild in great ahundance on the hills; it was from this placo that Lucullus (B.c. 74) first brought cherries into Italy, on his return from the Mithridatic war. The word 'cherry' (cerasus) took its name from the place. Just upon the eastern houndary of Cappadocia on the Pontus stands Trapezus, the modern Trebizond, originally a colony from Sinope (Xen. 'Anab.' iv. 8. 22), where the Greeks met with a hospitahle reception on their retrcat after the hattle of Cunaxa. Trapezus and Cerasus paid trihute to Sinope. (Xeu. 'Anah.' v. 5, 10.)
The chicf towns inland were Amasia, Mazaca, Comana (in Pontus), the great emporium for the Armenian merchants (Strah. xii. p. 559), and Comana in Cappadocia the Great, the modern Bostan, which contained a great temple of Bellona. To the west of Comana, ucar the houndary of Lycaonia, was Tyana, or as Xenophon ('Anab.' i. 2,20.) calls it, Dana, the limit of Cyrus's march in Cappadocin. The principal rivers of Cappadocia are the Halys (Kizil) and the Iris (Yeshil), both of which flow into the Euxine; and the Melas, which flows into the Euphrates. The Kizil flows through a country ahouuding in salt-hills, and hence Strabo supposes the ancient name to have beeu derived (xii. p. 546, d). Indeed in many parts of Cappadocia salt tricts are found of great exteut. [AnatoLia.] The Iris flows through Amasia

Cappadocia abounded also in mines of iron and silver : Horace alludes to this fact. ('E.Eist.' i. 6, 39.) The irou mines in the northenst of Pontus were worked by the Chalybes (Strah. xii. 549, $l$; Xen. 'Anab.' v. 5, 1), the greater part of whom appear to have gained a livolihood hy working iu iron. On the same const east of Samsun (Amisus) at a place callod Unieh, rock alum still forms a cousiderable article of trade. There is said to he a silver mine at a place near Amasia, called now Hadji Kioi. Crystal, jasper, aud onyx are said also to enrich this country. (Strah. p. 540, a.) Straho speaks of a beautiful stone which was produced in Cappadocia, white like ivory ; the haudles of swords were made of it.
The Cappadocians were very generally kuown during the Roman occupation of their country for their unprincipled and vicious claracter; so much so that the word 'Cappadocian' was only another name for a villain.
The condition of Cappadocia hefore the period of the Persian rule is uncertain; possilly it belonged to the extensive kingdom of Lydia. At any rate both Cappadocia on the Pontus and Cappadocia on the Taurus appear to have formed one state. Darius Hystaspis is said to have first divided it into two satrapies. (Strah. xii. 534, c.) The satraps appear to have been kings of the countries trihutary to the Persian monarch. and hence an hereditary succession is ohserved. The circumstauce that Darius and his successors in this, as in most other cases, left the government of the district with the native princes, is probahly to he attributed more to their inability to prevent it than to any other reasou.
The first king of Cappadocia, according to Strabo (xii، p. 534, a), was Ariarathes. But Arihaus, mentioned by Xenophon ('Cyrop.' ii. 1,5), would appear to have preceded lim. The following list has been drawn up in the 'Universal History' (vol. x. p. 8):-Pharnaces Smerdis, Atamnas, Anaphas I., Anaphas II., Datames, Ariaramnes I., Ariarathes I., Olophcraes, Ariarathes Il., Ariarathes IlI., Ariaramnes II., Ariarathes IV., Ariarathes V., Ariarathes VI., Ariarathes V1I., Ariarathes VIII., Ariarathes IX. (the family of Pharnaces now extiuct), Ariobarzanes I., Arioharzancs I1., Ariobarzancs III., Archelaus. On the death of Archelaus Cappadocia was reduced to a Roman province (Strabo, xii. p. 534), which it continued to he till it was iuvaded by the Turke.
On the division of Cappadocia hy the Persians Pontus was given
ver to one of the ancestors of Mithridates, according to Justin and
other writern. The following tie a liat of the Lingn an they baro been mentlunel in hithtory:-Artabazes (an Interval of perlanju 80 ywars thes necurn), Ihorlobates, Mithridaten I., Ariobarmanem I., Mithrilates 11., Mithrilatce 111. A Arioburzares 11., Mithridatea 1 V ., Mithrilatem V., Mharnace 1., Mithritates V1., Jithridnter V11., mimmmel tho Great, with whom the Itomans long wreed war (lio diml A.c. 66); Tharnaces 11., Dariua, Polemen 1., Polemon 11. P'matus wat then rellucel entirily in a lloman province. (Taelh 'Hint.' iil. 40.)


Coin of Ariarather.
Brilish Neweum. Actual sixe. Eliver. 61 grains.

## CAPPOQUIN. [WATERYORD.]

CAIPRI, the Roman Caproe, a rocky but beautiful island in the Mediterrancan, stande at the southorn entrance of the Ray of Naples. It la 3 miles from Capo Campmolla, which terminates the promontory of Sorrento ; about 10 miles from Capo Miseno, on the other side of the lay, and 22 millea from the mole of Naples. It is composed of limestone rocks, which are disposed in two masses with a considerable hollow betweeu thein. The highest of these two masses, which is to tho west, rises 1900 feet above the sea. It is called Monto Solaro, andla protty littlo town named Anscapri (Upper Capri), is situated upen the table-land of the mountain. The luhabitants of Anacapri communicate with the other town called Capri, and nll the enst of the Island by means of a steep flight of 535 steps, which is carried down the face of a precipiee in a very curious manuer. The castern divisiou of the iuland is only 860 feet abore the wen in its highest part. The circumference of the island is about 11 miles. There are only two anfo landing placen on it.

Capri stands on a shelving rock towards the castern extremity of the inhad : it contnins from 200 to 300 emall but neat houses, five or six churches and chapels, and a confined piazza or square in the suiddle. The propulation of the island is about 6000 , of whom about 4000 are settled in the district of Capri, and 2000 in the western district. Tho linhabitants are almost all sinall farmers and fishermen. liy great industry the inlanders have retained and secured patches of good suil on steep hill sides and ln the unidst of rocks and eliffs: the cultivable parts produco most kinds of regetables and fruits, a small quantity of excellext oil, and a considerable quantity of excellent wine. This wine, which is much used at Naples, is of two sorts, red and white. The red wine is called 'vino Tiberinno' from the emperor Tiberius. Another innportant item of exports consists of quails, which are annually captnred at their seasons of passage in vast numbers.

The narrow area of this island is wonderfully crowded with a variety of scenic beauty, remains of antiquity, and historical recollections Extensive ruins of the villas of Tiberius, who resided a long time at Caproe, still exist. He erected not less than twelve villas on different parts of the island. The ruins of the most considerable of them are seen on a bold perpendicular eliff at the castern end of the island, opposite the Surreutine Prumontory. Near it also are the remaina of a pharo, or lighthouse, which served to guide ships through the strait between the island and the Surrentine Iromontory. One of the greatest nttractions of Capri is the Grotto Azzurra, or Blue Grotto, on the northeastern coast.
CAIUA, a city in the kingdom of Naples, is finely situated in one of the riehest parts of the Terra di Lavoro, in a plain on the left lank of the Volturno, 15 miles N. W. from Naples, on the high road to Mome, and has a population of 8700 . The Volturno enters the sea about 12 miles below Capua; at the town itself it is a deep and rapid river, and makes sueh a bond as to sweep round at least two-thirds of the Inelosure of the eity. Capua oceupies the site of the ancient Casilinum, celebrated for its noble stand against Hannibal. It was built in the 9th century, and first fortified in 1231 . In tho 18 th centnry the fortifications were enlarged and reconstructed on the principles of Vauban; but in the French invasion of Italy it was anable to anke a logg reaistance to ita asailants. The most notoworthy objecta iu the town are the gothie cathedral, in whieh are norne granite colunns from aneient Casilinum; and the church of the Annanaints, which is built on the sito of an aneient temple, and lan ame las-roliefu In Its walla. Under the areh of the Pinzza def Giudliel numeroun aneient inscriptions aro preserved. Capua gires title to na nrellhinhop, It is a pretty well-built town. There in a milroad from Capua to Naplea, which was completed about nine yeas wince

The aite of ancient Capee is occupiod by the large village or 'caske' of Smata Maria di Capwa, whiols, although it does not rank as a town, containa nearly 10,000 Inlabitants. Santa Maria In nbout 2 uiles from the Volturno, and about the mame distance enst of tho modern Capua, Tho railromi above montionerl pasess throngh it. It in a very ivecresting placo on sccount of the ancient remaius strowed Nout it Conniderable portion of the ancient wnlls and enclrcling ditch are vimilele, mo that tho circult of the city may bo trneod with

Wolorable cortininty. Tho ruizn of tho amphithentro are extenslve, and ahow that when perfect it aust liave been one of tho mont anguificent ntrueturen of tho kind ln lualy. Thero are romains of a trinmplas arch near the amphicheaire; and some trnces are found of tho thentre, the oxintersce of which is reconded by as lascription.

Crpua was one of the Eifruchn cities fonnded in Campania. The dato of this Fieruncan fonnintion In much rieputerl, somo ruforring it with Cato to n.c. f11, and othem ansigning It to n.c. 800 . Thero meom little doubt thet trefore the Ftruscan occupation there wes an Oean Lown namel Capin on tho sita. Tho litriscan name, according to livy (lv. 3i), was Voltnmum. When it fell lnto tho handa of the Samnitex, B.C. 123, the original Osenn name soems to hare been restored. Tho name Capun ls supponed to mean 'a plain,' and the adjective Campanun (Ager) is evidently formed from C'apua. Capua after this event became an exsentinlly Oscan eity, and sonn rose so great prosperity. Livy writing of it about b.c. 843 , styles it the greatest and most opuleut cits in Italy (vii, 31). It weallh rendered its inlinbitants proverbial for luxnry and effeminacy.

Hannibal apent a winterin this town during his campaign In Italy. In the course of this war the Romans formed the siego of Capina, which adhered to tho side of Ifannibal (Livy, Xxp. 20); when the place was takeu by the consula Fulvius and Appius Claudius, the senators were put to death, about 300 uobles were shut up in prison, and the bulk of the citizens sold for slaves Capun at this time was probably a larger and wealthier city than IRome. The IRomans apared the city, which they peopled with atrangers, in order that the most fertilo lands in Italy might not bo left without enltivators; but its political importanco was annililated. It soon lowever became again a flourishiug town, and distinguished for its attachnent to Rome. Though deprived of all political privileges and of its fertile territory, which the llomans retained as the property of the state, the city is elsaracterised by Cicero ns distinguislied for its extent and embellish. ments. In B.c. 59 Capua became a Romau colony, and 20,000 Roman citizens were settled in its territory nader the Agrarians lav paseed by Cwar in his consulahip. From this timo tho city enjoyed a dignity corresponding to its importance, and under the ompire, although little is suid of it, it coutinued to be a flourishing, large, and populous eity. Ou tho fall of the empire its prosperity attracted the barbarinns who desolated Italy. The Vandals under Genseric took it, A.D. 156, and utterly destroyed it. In the wars of Belisarius it figures again, but in a very reduced condition. In the Sth century it seems to have recovered considerable prosperity, for it is termed by $P$. Disconus one of the three most populous eities in Campania At last the Saraceus A.D. 840 took it and roduced it to ashes. Its surviviug inhabitants abandoned its defenceless position and took refuge in the mountains, but were soon after (A.D. 856) prevniled upon by their bishop Landulfus to return and establish themsclves on the sito of Casiliuum, which they fortified and named from their ancient eity.

In the outskirts of Santa Maria, and on the roads that branch off from that town to Capua, Caserta, Naples, and Nola, there are mnny ancient tombs, and the whole district, taking a diameter of 10 milea , abounds more than any part of Italy with those nacient vases so raguely called "Etruscan,' but which ought to be called Capuan, or Campanian. The coins of Capunare almont all of copper, and bear the name of tho city with Oscau legeads.


Cola of Capua.
Britsh Museum Actual Aize. Broaze. 225 grains.
CARA'CAS, the capital of the republic of Venezueln, and of the department of Caracres, in South America, is sitmatod in $10^{\circ} 30^{\prime} 15^{\prime \prime} \mathrm{N}$. lath, $67^{\circ} 4^{\prime} 45^{\prime \prime} \mathrm{W}$. loug., and about 20 nillen by the rosd from ita port, La Guayra, and has a population of abont 50,000 . It is sitmated at the west end of the plain of Chacso, whieh extends about 8 miles towards the east, and is about 5 or 6 mile wide. The ground on which the town is situated is very uneven, nad has a stwep slope from north-uorth-west to south-south-east. The Plagn Mnyor in 2580 feet above the level of the ses. On the south slice of the town is the small river Guayra; and frous the heights on which the town staurls the Annuco, tho Caronta, and the Catucho flow into the Guayirs near the town. There aro neveral bridges over the threo last-mentioned rivers. The Catucho mpplio many public aud private fountains with water. The strcols, which are straight and generally paved, intersect each other at right angles. The private houses are good and wellbuilt; sone are of brick, but the gicater part of masonry, in franiework. They are armanged in the manuer of the houses in Spain, proncating towards the atreet bare walls with one or two windows, but containing in the middle large court-yards, iuto which the nportments npen.

The largest of the eight squares is the Plaça Mayor, which is the market for vegetahles, fruit, meat, salted provisions, fish, poultry, game, hread, parrots, monkeys, hirds, \&c. Within the square is the cathedral, an extensive and solid edifice. The east and eouth sides of the square are occupied hy well-huilt barracks, erected hy the Spaniards. The city is the seat of a nniversity; it contains several convents, three hospitals, and a theatre. The mean temperature of the year is ahout $72^{\circ}$ Fahr. ; that of the hot season is ahout $75^{\circ}$ and that of the cold oeason $66^{\circ}$; hut the thermometer sometimes reaches $84^{\circ}$ or $85^{\circ}$, and at others descends to $51^{\circ}$ or $52^{\circ}$. Rain is extremely ahundant during April, May, and June, hut not so incessant as in other tropical countries: the other parts of the year are rather dry.

By the earthquake of 1812 about 12,000 persons are said to have perished. The war with the Spaniards reduced the population still further. The earthquake of 1826 also contrihuted to its diminution : at this last period the population did not exceed 30,000 . As Caracas is united hy roads with the well-cultivated valley of Aragua, and with the Llanos, which extend sonth to tho hanks of the Orinoco, it is the place from which all these countries receive European manufactures, and to which they send their produce. The exports from La Guayra consist principally of cacao, cotton, indigo, coffee, tohacco, hides, and live cattle.

CARAMANIA, or KARAMANLA, a large and important part of Turkey, comprising nearly the whole of the south coast of Asia Minor, which is described under the general head of Anatolu. This extensive sea-bord, which, measuring from the Gulf of Iskenderoon, or Scanderoon, to the Gulf of Makri is upwards of 400 miles long, is divided into pashalies or goveraments hearing different names; and it secras that the sppellation 'Caramania' is neither used hy the present inhahitants nor recognised at tho seat of government. The name is not classical, for in ancient times the provinces called Lycia, Pamphylia, the two Cilicias, with parts of Caria and Phrygia, occupied the country which we call Caramanin In the middle ages however, a kingdom or state called Karamanily, from the name of Karaman, the founder of it, did exist here, and comprised all the ancient provinces which we havo mentioned; but after a struggle of two centuries it was conquered hy tho Osmsnli Turks under Bajazet II., ahout 1485.
The fertile and heantiful district of Adana (the Cilicia Campentris of the ancients) is the best cultivated part of Caramania Solitude, desertion, and wretchedness reign over nearly all the rest of the long line of coast, where the frequent and splendid ruins of Greciau and Roman cities iudicate a prosperity and wealth that have long been prat.

## CARCASSONE, or CARCASONE [AUDE]

CARDIFF, the county town of Glamorgauahire, a municipal and Irarliamentary horough, and the seat of a 'oor-Law Union, is situnted in $51^{\circ} 28^{\prime} \mathrm{N}$. lat., $3^{\circ} 10^{\prime} \mathrm{W}$. long.; 166 milos W. from London hy road, and 170 miles hy tho South Wales railway. Tho population of the borough in 1851 was 18,351 . The horongh is governed hy 6 aldermen, one of whom is mayor, and 18 councillors; hut hy an Act parsed in 1837 the management of local affairs is vested in a body of commiasioners consisting of the resident juetices of the peace, the coustahle of the castle, the mayor, aldermen, and town clerk, together with 50 other persons. There is also a Local Board of Health. Cardiff, with Cowhridge and Llantrissent, returns one member to the Imperial Parliament. The livings of the two parishes are vicarages in the archdeaconry and diocese of Llandaff. Cardiff Poor-Law Union contains 44 parishcs and townships, with an area of 127,941 acres, and a population in 1851 of 46,443 .

The town is huilt on the left bank of tho river Trffe, Taff, or Taf, ahout a mile above the fall of ths river into Penarth Harbour. Cardiff seems to he a corruption of Caer Taf, the 'fortress on the Taf;' hut some Welsh antiquarics derive the Welsh name of the town (Caerdydd) from Caer Didi, the 'fortress of Didius.' from a post which it is assumed the 1 Koman general Aulus Didius erceted here. Cardiff is a corporate town of ancient date, its earliest charter being dated 12 Edward III. (A.D. 1338). The town with its contributory boroughs sent ono memher to Parliament hy the statute 27 Henry VIII. The town consists of the principal street on the rond from London to I'emhroke, running oast and west, a secoud main street at right angles to this, three otber large streets, and neveral smaller ones. Cardiff has risen to the rank of an important commercial town and port from the circumstance of its beiug the natural outlet of the large mineral district of the Taff valley, and of the productions of the works at Merthyr Tydvil and other places. During the last few years a marked incrense has takeu place in the town in consequence of the opening of aeveral collieries in the Ahcrdare valley. $\Lambda$ kind of coal peculiarly adapted for the production of steam is raised in the Aherdare colliories and hrought to Cardiff for shipment to all parts of the world. The town is built upon a low flat site, very little ahove the urdinary high-water level. The town-hall, which is the highest poiut, is only 10 feet ahove that level. Tho town is almost surrounded hy water: the sestuaries of the Taff and the Ely form Cardiff harbour, a hallow tract, a large portion of which is left uncovered as the tide recedes. The Canlif! Flats are a level mud waste. Tho town is lighted with gas by a cumpany formed iu 1837.

Among the buildings of Cardiff is the castle, now in possession of
the Marquis of Bute, and converted into a modern mansion. This castle wras erected by Rohert Fitzhamon, the Anglo-Norman conqueror of Glamorganshire, in the room of a smaller one which stood on the same site, built by the Welsh princes of Morganwg. Rohert, duke of Normandy, hrother of William Rufus and Henry I., died in the castle, having heen a prisoner for 28 years. The west front of the castle is modern, and heing flanked hy a massive octagonal tower, appears to great advantage ou eutering the town from the west. The ruins of the ancient keep, still standing on a circular mound within the castle inclosure, command an extensive prospect over the level amid which Cardiff io situated. Iu the interior of the castle are some family portraits and other paintings by Vandyke, Kneller, Romney, and other artists.

The town is comprised within the parishes of St. John the Baptist and St. Mary. St. John's includes the older part of the town ; St. Mary's the modern part, in the neighhourhood of the Bute Docks. St. John's church is spacious and handsome, in the early English stylo, with a lofty square embattled tower in the perpendicular style. St. Mary's was huilt in 1845. There are chapels for Baptists, Independents, Methodists, and Roman Catholics; five puhlic schools, at which ahout a thousand children are educated; an infirmary, huilt at the charge of Daniel Jouos, Esq., of Beaupre; and the Union workhouse, which stands on the western outskirts of the town. The county jail comprehends the house of correction for the easteru parts of the county. The guildhall stands in the midst of one of the principal streets. The market-house was huilt hy the corporation iu 1835.

The population has risen from 2000 to upwards of 18,000 hetween 1801 and 1851. The Glamorganshire Canal was finished in 1798; the Taff railway was opened in 1840. The river, the canal, and the railway run nearly side hy side, aud terminate at Cardiff. The late Marquis of Bute, tho owner of a large amount of property in this neighhourhood, projected the formation of a large harhour or dock between the town and the Bristol Channel on a piece of waste ground helonging to himself. The dock, called the Bute Dock, and a ship canal leading thence to the eea, were opened ahout the eame time as the railway. On these works ahout 300,000 l. has heen expended. The entrance into the loating harhour from the sea is through seagates 45 feet in width; tho harhour or basin has an area of an acre and a half, and is fitted for the reception of large vessels. The main entrance lock is 152 feet long hy 36 feet wide. The ship canal extends to Cardiff, 1400 yards in length and 200 feet in width, comprising a mile of fine wharfage, and varying in depth from 13 to 19 feet. These improvements hy affording facilities to the ehipping trade have tended to promote the growing prosperity of the port. The number and tonnage of vessels registered as belonging to tho port of Cardiff on the 31 st of December 1852 were:-Under 50 tons 22 vessels, 581 tons; ahove 50 tons, 40 vessels, 6233 tous: steauvessels, undor 50 tons, 7 , tonuage 179 ; above 50 tons, 2, tonnage 187. The number and tonuago of vessels that entered and cleared at tho port of Cardiff during 1852 were as followe:-Coastwise, inwards 1394 sailing vessels, 66,209 tons; outwards 5791 , tonnage 392,734 : sterm-vessels, inwards 422 , tonnage 39,048 ; outwards 421 , tonnage 38,962. Colonial: inwards 97 vessels, tonnage 15,455 ; outwards 217, tonnage 57,379. Foreign, inwards 378 vessels, 65,820 tons; outwards 1464 vessels, tonnage 286,846 ; and one etean-vessel of 86 tons.
(Cliffe, Book of South Wales; Communication from Cardiff.)
CARDIGAN, the chief town of Cardiganshire, a sea-port, municipal, and parliamentary borough, and the eeat of a Poor-Law Uniou, mostly in the parish of St. Mary and partly in Pemhrokeshire, is chiefly eituated ou the right hank of the river Teify, ahout threo miles from its mouth, in $52^{\circ} 5^{\prime} \mathrm{N}$. lat., $4^{\circ} 40^{\prime} \mathrm{W}$. long.; distant 239 miles W. hy N. from London. The populatiou of the horoug' in 1851 was 3876 . The horough is governed hy 4 aldermeu, one of whom is mayor, and 12 councillors; and in conjunction with Aberystwith, Lampeter, and Adpar returns ono member to the Imperial Parliament. The living is a vicarage in the archdeaconry of Cardigan and diocese of St. David'e. Cardigan Poor-Lavy Uniou contains 26 parishes and townships, with a population in 1851 of 20,144 .

Cardigan is called in Welsh Aherteify, from its position on the river Teify. The corporation clain to he a corporation hy prescription. Cardigan first rose into a town about thotime of the Norman couquest. Tho foundation of its castle is ascrihed to Cilbert de Clare, ahout 1160. In the struggles hetwoen the Welsh and their Norman invaders for the possession of this post, which the mouth of tho river rendered important, the castle was frequently damaged or destroyed. Tho two towers and tho wall now staudiug are prohahly the remains of the fortifications erectol hy Gilhert Marshall, about the year 1240. Edward I. resided here for a month while eettling the affairs of South Wales. The castle stauds in a commanding position ahove the river, which is here crossed hy an aucient bridge. Giraldus Camhrensis states the Teify to have been the last British river in which heavers were to hs found. There was a priory here, which Leland says contained 11 hlack monks, and was a cell to Chertsey. A small hut strong cump called Hên Castell, is situated on tho banks of the Teify, a little bclow the town. All the streets are narrow except the principal oue, at the end of which stands the
county jail, ereeted by Mr. Nub in 170s. A limndeone connty hall was built bere $\ln 1761$. A county court is held at Canligan. A liternery and reientific lastituto is supportod ln tho wwn.

Tho church. deliosted to St. Mary, is as ancient and sobslantial atructure, having at the west cul a noble towor; the laterior has a apeciorss nare, and a chaneol of more ancieat dnto than the body of the church. A neat gallory ne tho west end was eroctod at tho cost of the lato fryw l'rye, liap., M.P. The National school. room ban been licensed for divias estrice. Tho Calviniatio and Woelegan Methodista, Imlependenta, and Baptiata lanvo places of womhip. Tho Netional echool, eroeted ln 1848, at a cost of about 1500 L In addition to the site, hin the early Eugliath serfle. A treo Grammar mohool endumed lo 1053 is free to six poor boya of the borough A Girks Chasity mehool, supported by voluntary coutributions, is well attended. There are aloo Commerctal achoole
Tbe pors of Candigan extende from four to five mlles beyond Fishguarl on the routh, and abont 24 milen to the north, so as to include Aberayrua. The harbour is grantly obatructed by a bar, aud is dangerous in winter. Shlpe of 100 tons can come up to tho bridgo in apring tilles; hut the gevenl trado is confined to veswels of from 90 to 100 cona The number and tonnago of remels regiotered as belonging to the port of Candigan on 31 int December 1852 were as follow:-Under 50 tons, 182 vomels, 3911 tons; above 50 tons, 94 recoela, $85 \% 1$ tons The number and tonnage of reasels entered and cloarel at the port during 1852 stood thus:-Constwise, inwards 587 reels, 13,688 tons; outwards 50 vessels, 1519 tonk Culoninl and foreigu, inwards 6 reasole, 097 tons; outwards I vensel, 109 tons.
The imports are chiefly coal, culmo, limestone, and deals; the exports oate, butter, nod slates. Salmou-fishing is productive, aud the herring-finhery in of mome importance.
(Clifre, llook of Sowh IIales; Commnnicution from Cardigan.)
CAllilids sillitio a maritime county of South Wiles, lyiag letween $52^{\circ} 2^{\prime}$ and $52^{\circ} 33^{\prime} \mathrm{N}$. Iht., $3^{\circ} 35^{\prime}$ and $4^{\circ} 42^{\prime} \mathrm{W}$. louy., is bounded N. by the colutios of Morioneth and Montgomery, F., by Bhalnorshire and Brecknoeksl ines, which are for tho most part eeparated from It by the rivers Clinerwen and Towy, S. by Pemhrokeshire and Caermarthenshiro, from which in threefourths of its leugth it is dividel by tho river Teify, and in part by a atreann called the Dothie. The Irish see forms its boundary on the W. The area in 443,387 scres. In 1851 its population was 70,796 .
Serface, Ilydrography, Communications. -The south-west district of the county end reveral tracto near the coust are level; in general Lowever the surface is mountainous, especially in the northern and eastern parth. Tho lighest lands are rugged, bleak, and barren; covered with ling, rushes, and heather: those that aro somewhat lower afford pasturo for the little liardy sheep of the conntry, the property of the emall farmers, whose dwellings are for the sale of eholter placed in the narrow valleys bencath. A part of Plinlimmon in situnted in the northeast part of the county; this mountain and Tregaron Down, Talsarn, and Capel Cynon are the most olovated ammits in Carliganshire. Their heights are - Ilinlimmon, 2463 foet; Tregaron Down, 1747 feet; Talsarn, 1148 feet; Capel Cynon, 1046 foet
The sea coast, in ite north and south extremitiea, is flat and sandy; towards the centro of its line the hills terninate abruptly, and the bench, from which on acconut of its shelving rapidly, the sea retreats but littlo at low tide, in chiefly formed of shingle. The principal sivera aro-tho Teify, whieh rises in Llyn Teify, a mall hake on the castern bonder, and abouuds with salmon, of which a large quantity is carried to distant markets; the Towy, the Claerwon, the Intwith, and the Rhydol, which risea in Plinlimmon. The Yatwith and the 1 hhydol fall into the sea at Aberystwith. The Arth, the Ayron, the Wirrai, anl the Lery are also considerable streans. There are upwards of 20 hikes, or Ilyns, in the county. Most of them are moall, but they are abundantly stored with fish. The clief are Llyn Taify, Llyn Gyuon, Llyn ligunut, and Llyn-ruddon-vawr; these have mach wild benuty, which is however far exceeded by the colebratod waterfflle of the Mynach at the Devil's Bridge, the falls of the lthydol at linforl, and tho rapids higher up that atream, in the neighbourbood of Yont Erwydd.

The roarle (which carry the whole traffic of the county, for there is neither canal nor railroal in this district) bave of late yeara been mush improved. An ontiroly new line of communicatiou with lhadnornhire, which In part of ita length is uned by travellors to llanidloces and Sewtown, han been of gremi benefit to Aberynt with. The other Minclpal ronda loud from Aberyet with to Mechyulleth, from the same placo 0 Candlgan avd Lnmpeter, and from Tregaron through Lamputer and N'ewcantio-timlyn to Carligan.
(icology and Mineralogy.-Tho county of Cardigan chielly consists of hard alaty atrata, lutouging to the iransition wories of the Lower silurian and Upper Caubrian aystoms ; they aro deatitute of organic remains Veins of copperore, lend, and sulphate of zine occur. The mines were in the 16th and 17 Lh centuries workel extensivaly and profitably. They afterwands wero almont wholly neglected. But of tate jeara the gririt of minaing enterprise has lad to the reopening mome of tbo old unines and to the connmencing of new ones. The leml-raines are said to be most nuccoseful. The lemi contains silver,

havo occurrel whloh gielded 100 oza, to tho than Slate of inferlor quality la quarried In the neighbourhood of Aberystwith.

Climate, Soil, Ayriculfune. - The clinnate of this county is in winter very rongh, the winda are volent, and the maw froquently remains on the Hounthias till hato in the spring; in aumuer however muly In autumn thero is a light dry wholewous air, which in oxtrensely pleasank The soil in tho monntainous distriets is thin and cold, and yields a namall produce of oats, barley, and potatoos; rye is also cown In amall quantitios Near the nen-const, olpecially on the flat loany tract botween Aberayron asd Llangystod, whent is cultivated succousfully; large crops of barloy aro raizod on laads manurod with sea-weet ; mad potatoes are growis in abundance.

The prerailing breed of cnttle is small aud handy, in colour generally black or brindlod; dairy-farming ln not uncommon, and butter in made ia considorable quantities. The horess are small but compmet, and are capable of drawing conniderable weights in one-horse curta, Which thronglout the county ane in general use. Tbo shoep aro noither well-formed nor fine in the foece; but their endurance and constitution adapt them adnalrably to tho exposed hille on which thoy masture, and from which they are soldom driven down, the ewes in tho yeaning season excepted. They are so small as froquently not to weigh more than 10lbs, a q̧arter: the mutton is excellent both in grain and glavour. A considerable quantity of piga and poultry is reared, and egge in great nnmbers are collectod from tho cothnges and farm-houses by persons who conrey them weekly to distant markota With uearly all farms is let a right of pasturage on the hills for a given number of sheep, which often forms the principal source of profit. The size of the farms varies from 10 to 150 acres; in the best districts some are larger. The fenees are froquently made with alternato layers of turf and stones, huilt up as walls, without hushes growing upon them. The farms and cothages have a rude and alinont primitive appearance As there is no coal in the county, peat, being abundant, is the fuel chiefty consumed.

Dirisions, Torens, de. -Cardiganshire is divided into five hundredsGeuewr Glyun, lhar, Moydlyn, Penartb, and Troelyraur. Cardigan 1sland, an extra-parochial tract of pasturage of about 40 acres extent situated at a short distance from the maiuland, at the mouth of the Teify, forms a part of Troedyraur hundrol. These hundrods are divided iuto 68 parishes, which contain five market-towns-Aberrstwitha, aberapmon, Lanbeter, Cardigas, and Treoanon. Cardigan is on the river Teify, nud Tregaron and Lampeter are within a short distance of its baukn. Cardigan, Lampeter, Aberystwith, and Adpar are corpornte towns. Adpar in united with Noweastle-HMlyu, in Caermarthenshire, by a bridge which erosses the Toify. They form together a contributory parliamentary borongh, and being in fict one town will be most appropriately noticed together under Newcasthes Emlys.

We add a brief account of the villages which, from their size or importance, seom to call for notice, with the population of their several parishes in 1851 :-

Aberporth, 8 miles N.E. from Cardignn, populntiou 514, is pleasnntly situntod at the mouth of the Howny on the shore of Cardignu Bay. Tbere is sone trade in conls, culm, and limestone. Herring fisbiug is carried on. Iu suumer the village is resorted to for sea-bathing. The church Is of great antiquity. The Cribach Rond affords good shelter for shipping. IIafod, 14 miles S.E. from Aberystwith, is much visited by tourists on account of the celebrated water-falls and rock scenery of the Dovil's Bridgc. Hafod House and grounda, which when the property of Coloncl Johnes were the subjeet of so much adminatiou from liternry touriste, still form a principal attraction. The house has been rehuilt, and the grounds are much altered. Llanarth, 18 miles N.E. from Curdigan: populntion, 2337. The village is of mone size: fairs are leld iu January, March, June, September, and October for cattle, horses, and pedlery. Tbe chureh is papacious and of considemble antiquity. The Woesleyna and Calvinistic Mothodists and Independents hare places of worsbip. Iu the parish are a luritish encawpuent and some tumuli. Jhanbadorntrawr, about $2!$ miles N.N.E. from Cardigan, is a very extensive parish, containing bosides several hamlet, the market-own of Aberystwith? populatlon of the eutire parish 12,570. Laubadarn-vatre chureh is one of the oldest in Wales; aud contains portions of the two still older edificae whioh muccessively occupied the site previous to its erection. Llanbudarn-vawr ls said to havo been the scat of a bishoprie, over which St. Padarn, the Britidh saint to whom the ehureh is derliented, presided. There are some British encampments in the parish. New Quay, 20 miles N.N.F. from Cardigan, is in the paridh of llashwchaiaru, the propulation of which in 1851 was 1738 . New Quay is a thriving little port. It is situntod a few miles s. from Aberayron, with which flourishing town it in pretty closely counocted. There is an extensive fishery. Ship-building is earried on; and there ary stono-quarrioa. In summer it is resorted to na a bathing place. Tho eharch is of tho early Euglish dato and stylo. Ponerhydfendiyacd, a small village $\frac{\text { miles K.F. from Trugaron, contans the reunains of tho }}{}$ Albey of sitrata Filorida, no celebratal in tho literary history of South Waless Of the abley buildingx an areh of couniderablo beanty in still standing. At Y'gpytly Fisradmeyrich, a little village about 3 ıuiles from l'outrhydfendigned, population 138 , was a cell to the abbey of Strata tlorida, of which some part yet rewaine. Yatradmcyrich
possesses a Free Grammar school, founded in 1757 by Edward Richards. There are some remains of a British or Roman encampment, and of a Norman castle which figures somewhat conspicuously in early Welsh history.
Divisions for Ecclesiastical and Legal Purposes.-Cardiganshire is wholly in the province of Cauterbury, diocese of St. David's, and archdeaconry of Cardigan. The several parishes are divided among the deancries of Emlyn, Kemmes, Sub Ayron, and Upper Ayron. According to the 'Census of Religious Worship' taken in 1851, it appears that in the Registration county (which includes, in addition to tho county proper, parts of Caermarthenshire and Pembrokeshire, with an additional population of about 27,000), there were then 349 places of worship, described as follows:-Church of England, 110; Calvinistic Methodista, 82 ; Iudependents, 71 ; Brptists, 48 ; Wesleyau Methodists, 20; Unitariaus, 14; Latter-Day Saints, 2 ; Primitive Methodista, 1 ; Wesleyan Associatiou, 1. The number of sittings provided was 82,335 .

Tho county is divided hy the Poor-Law Commissioners into five Unions: Aberayron, Aberystwith, Cardigan, Lampeter, and Tregaron. These Unions inclnde 106 parishes and townships, with a population iu 1851 of 77,319; but the boundaries of the Unions are not strictly co-extensive with those of the county. Cardigan is in the South Wales and Chester circuit. The assizes are held at Cardigan. The Easter quarter sessions ara held at Jampeter, at other times at Cardigan or Aberayron. County courts are held at Aberayron, Aberystwith, Cardigan, Lampeter, Llandeilo-vawr, and Neweastle in Emlyn. One member is returned to the Imperial Parliameut for the county; another for the contributory boroughs.

Ciril History and Antiquities. The name Cardignn is derived from 'Caredigion,' which siguifies the territory of Caredig, the first king of this district. One of his successors, Rodri Mawr, or Roderick the Great, in the year 843 became by inheritance and marriago the king of all Walls, Roderick dividod his dominions into three parts, in each of which he had built a palace, and, bequeathing to each of his sons a share, appointed the third prince ampire over the quarrels of any other two. Cardiganshire became the property of Cadell, who hortly after his father's death seized upon his hrother Merfyu's portiou, which caused the eldest brother Anarawd to lay waste the county of Cardigan. Cadell died in 900. After this time Cardigan became a lordship under the princes of Sonth Wales. In 952 Cardiganshire was again laid waste hy two North Welsh princes, who claimed it as their possessiou. In 1038 Gryffydd, prince of Nerth Wules, came into Cardiganshire, burnt Llanbadarn-vawr, and afterwards compelled all South Wales to swear allegiance to him. About 1092 the Normans landed here, and Roger Montgomery, earl of Arundel, did hounage to William Rufus for the lordships of Cardigan and Powis; but when King William returned to Normandy the Welah, commanded by the princes both of North and South Wales, entered Cardiganshire, and destroyed the Normans, their castles and fortifcations. In 1097 Cadwgan, who had been deprived of his possessions in South Wales, regained Cardiganshire with part of Powis. Upon a diapute with Carwgan, Heury 1. gave permission to Gilbert Strongbow, carl of Strygill, to seize his territories. Gilbert raised a strong force, soon reduced Cardiganshire, and built the castles of A berystwith and Cilgerran. In 1135 Cadwalader and Owen Gwynedd, the sons of the prince of North Wales, with 6000 foot and 2000 horse, overran the country as far as Cardigan, and wero victorious in au engagement with Stephen, the governor of the place. About the year 1137 Owen Gwynedd a second time invaded Cardiganshire, which it soems then belonged to his brother Cadwalader. He eutered it a third time and burnt Aherystwith Castle in 1142. The disturbances among tho Welsh continued with little intermission until 1171, when King Henry II. gavo Cardiganshire with other territories to Prince Rhys, the last prince of this district. In 1176 Rhys gave a great entertainment at Christmas in lis castle of Cardigan ; several limndreds of Encglish, Normans, and others were there All the hards of Wales were present, answering each other in rhyme. Maelgwyn, one of the Welsh princes, having a contest with his nephews, whose authority he had usurped, swore allegiance to the English, aud procuring a large army of English und Normans gavo battle to his nephews, but was conquered and slaiu. King John liaving already subdued the rest of Wales, compelled Rhya and Owen, the nephews of Maelgwyn, to give up their lands and do homago to him. In 1238 Llewellyn summoned all tho Welsh lords and barons to Ystradnur, whers each swore fealty to him, aud did homago to his son David, whotn he named his successor. But Gilbert Misshal, earl of I'embroke, besieged, took, aud garrisoned the castlo of Cardigan. In 1270 Madoc did homage to Llewellyn ap Gruffydd as lord of Cardigan, agreeably to the charter granted by the king of England, which confirmed tu Llowellyn the title of Prince of Wales. King Edward I. in 1277 obtained great ndvantages over Lewellyn, and dictated hard conditions of peace, to enforee which he built and garrisoned a castle at Aberystwith. Edward now divided Wales into counties, and annexed it to England in 1284; and the hetter to settle his affairs, soon aftorwards made a progress through Cardiganshire. In 1404 Owen Glyndwr took Aberystwith Castle, which was recovered by Prince Menry in 1407.

Cardigashire abounds with antiquitics. The remains of British
and Roman encampments are exceedingly numerous and widely spread. There are also many Celtic remains of the kind commonly attributed to the Druids. Of two stone circles near Nant-y-nod, the larger, consisting of 76 upright stones, is 228 feet, the smaller 98 feet in circhmference. The cairns are numerous. That popularly known as Bedd Taliesin, or the Grave of Taliesin (the famous Welsh bard) is 130 feet in circumference. Besides the Roman station at Llanio, a Roman road known as Sarn Helen traverses the county in a north and south direction from that place. Remains of castles are either standing or it is evident that such fortifications have existed at Car digan, Aberystwith, Lampeter, Ystradmeyric, Cileennin, Llanrysted, Dinerth, Moyddgn, Abereinon, Peuwedic, Castell Gwalter, Castell Cadwgan, Hên'Castell, Castell Flemis, \&e. There were also religious houses at Cardigan, Lampeter, Llanrysted, Llandewi-Brevi, and Strata Florida. The abbey of Strata Florida was the depository of part of the records of the principality, and the burial-place of many Welsh princes and celebrated bards. Rhys Gruffydd founded the first abbey in 1164; this building however was destroyed, and a rew one erected two miles distant from the original site.

Cardigan is chiefly an agricultural county. The manufactures are confined to the weaving of a small quantity of flamel and coase woollen stuffs. Gloves are made in the neighbourhood of Aherystwith and Tregaron. Oats, butter, and slates are exported. The vessels engaged during the summer iu the coasting trade are used in autumn as fishing-boats. The principal imports are coal from Liverpool, culm from South Wales, Pembroke limestoue, and Memel and American deals. The harbours are extremely exposed, and the bars at Cardigan and Aberystwith are great impediments to navigatiou. In 1851 the only savings bank in Cardiganshire was at Aberystwith the amount owing to depositors on the 20 th of Novemher 1851 was 32,017l. 6s. 9d.

CARDINGTON. [BEDFORDSUME.]
CAREW. [PEMbrokesune.]
CARLA. [KAR1a.]
CA'IRIBBEE ISLANDS, Tho, have received their mamo from the Caribse By this denomination are understood the whole series of islands which on the north begiu with the Virgin Islands and on the south terminate with Trinidad. [Antilles.]

CARIBS, or CARIBBEES, is the uamo given hy the first European navigators to one of tho aboriginal tribes of Seuth America, and which has heen adopted by all European uations, though they eall themselves Carina, Calina, and Callinago. At the time of the arrival of the Europeans in America the Carihs were iu possessiou of the smaller islands of the West Indies which lie between Puerto Rico and the Gulf of Paria. The Carihs made stout resistrnce against the European intruders, but at last they were compelled to yield and to ahandon the islands after the greater part of them had fallen in contiuuallyrepeated conflicts. A small number is said to exist still on the islands of Trinidad, St. Viucent, and Dominica.

Though the Carihs have been nearly extirpated from the islands, there still exists a cousiderable number on the continent of South America They are principally found on the banks of the Lower Orinoco and of the Caroni, one of its prineipal tributaries, where they are partly settled in the missions along the Caroni and Orinoco, but is considerable number are still independent under their own caciques, to whom they pay groat respect.

The Caribs are distinguished from the other native tribes of America by their althletic stature and their great courage and firmuess of purpose. They speak of other savages with contempt and disdain, and think themselves a privileged race. The Caribs have been accused of cannibalism. [America, Man of, vol. i. 294.]

CARIESFORT. [Wicklow.]
CARIGALLIN. CORk.]
CARINTHIA (Kärnthen), a Crownland of the Austrian empire, constituting the northern part of the former kingdom of Illyria, is bounded N. aud E. by Styria, W. hy Salzburg nud the Tyrol, and S. by Carniola. It is situated between $46^{\circ}$ and $47^{\circ} \mathrm{N}$. lat., $13^{\circ}$ and $15^{\circ}$ E. long., and occupies an area of 3978 square miles, with a population of 319,220 in 1850 . Its northern and southern districts, between which tho Drave runs from west to enst, are covered with the Noric and Carnic Alps respectively, and with their offshoots; the land inclosed bctween these enormons masses does uot enjoy the heat which is indispensable to successful cultivation, aud the produce of the soil is insufficient for the population. The valleys between the mountains contain however a dcep soil of sand and clay intelmixed, aud are very productive. Of the two mountain chains which encompass Carniola, the formation is wholly dissimilar. The Noric Alps are composed of granite, gneiss, and other primitive rocks, which are not unfrequently traversed by heds and strata of quartz, sulphate of barytes, and various species of ores. This chain also coutains tho most elevated summits in Carinthia; the 'Glockner,' which is ou the north-western border, has an elevation of 12,980 feet, and is the highest of the Carinthian Mountains. Many parts of the Noric Alps are densely covered with forests. Tho Carnie Alps are composed of limestone. The eastern districts ure bounded by the Carriolan Alps, which aro much inferior in height to the two other ranges. Tho most remarkable feature in these Carniolan Alps is that portion called the Dobralsch, or Villach Alps, the elevatiou of which averages about 7500
feet, and along tho ade of which rums a fino Ilatear. The highont paine in thio chain proluce only etunted gram, Icolaud unose, and other plaste reserubling the vegetiation of tho most northerly parta of Enrupa

Curinthis in richly supplied with streams Tho Drave, whicls receives most of tho rivern, enten the crowuland from the Tyrol, and flows for nbout 140 mllo from west to east through Carinthin [Drave] The other large rivern which water it are the Guil, Möll, Lier, Gurk, Glan, and Larant. The crownland aloo abounds in mouutnin streams and smanll lakes. Only a small ratio of the surface is adapted for tillage, but there is a good lreadth of meadow and pasture land. The stock of domestic animals includes horses, oxen, cows, and sheep. llorned cattle and sheep are the most numerous. The breed of horsen Is mnch finer in Upper than iu Lower Carinthia, but in the latter the breed of hornod cattlo is auparior. Tho wool is of an ordinary description. Swine aud goats are reared in most parts. A very small portion of the eoil is laid out in gardeu-ground and vineyards. The woods and forests cover about 570,000 acres.

The mines of Carinthin eonstitute its chief wealth. The mountain ebains are rich in copper, iron, lead, and zinc. The mines of Fragant in Upper Carinthis contain inexhaustible supplies of copper. This metal in also raised at Kerschdorf in the circle of Villach, and on Mount Lumbrecht in that of Klageufurt. Iron ore occurs through the whole lengtl of the alpine chain, from the confines of the Tyrol in the weet to those of Styria in the east. The principal mines at work are at Döllach, Griind, Freisacls, Hüttenberg (where there are eighteen high-blast furnaces), Waldenstein, and St. Gertraud. In all the Austrian dominions there are no lead-works so extensive and productive as those of tho Ore-Monntain (Erzberg), clowe to the LeadMountain (Bleyberg), at no great distance from Villach iu Upper Carinthia The largest zinc and calamine works are situated on the Raibl in the sonthern part of Upper Carinthia On the Raibl, and in the iron strata at Huitteuberg, antimony is found. Immenso bods of coal exist in Carinthin, and mines are worked at a fow places, Large quantities of turf are dug at Feldkirchen and at Lorotto on the Worthsec. Carinthia contuins qnartr, jarper, semi-opul, gamet, boryl, and other raluable stones, as well as various kinds of clay, tale, limeatone, i.c. There are marble quarries at Volden, Upper Villach, and Wamerieonburg in Upper, and at Sittendorf, \&cn, in Lower Carinthia.
Both Carinthis and Carniols are named from the Carni, an ancient Celtio tribe which occupied the Carnie and Julim Alps, and is supposed to have been so called froun the Celtio word (Cam) for 'mountain peak, 'The territory of the Carni however whe not co-extonsive with that of the two Crownlands named, but seemn to have included the highlands between the Drave and the head of the Adrintic, frolu the liare to the sonree of the Save. Tergeste, now Triest, was originally - Canuic village.

The industrial products are principally iron, iron-ware, and steel. The other manufactures consist of woollens, silk stuffs, cotton prints, ribands, aud whito-lead; the granter part at Klagenfurt, the capital of Carinthia. Independently of what has been onumerated, Carniola has fow products to export beyond horned cattle. Its internal com. municntions are inuch facilitatod by good roads, among which there is a skilfnlly-constructed one across the steep and rocky Loibl into Chrnlola. A branch railrond in in course of construction southward from Klagenfurt to join the Vienna-Tricat lino at Laybach.

The western part of the crownland is commonly callod Upper Carinthia, the castern part Lower Carinthia. In the former, which is a truly nlpine country, cattlo-breeding, miuing, and wood-cutting are the chlef occupations ; in Lower Carinthia, on the contrary, there are many fertile valleys well adapted for cultivation. The inhabitants are partly of German partly of Slavonic origin, the latter considerably prepondersting. They are all Catholica, except a small uumber who are Lutherans and under the jurisdiction of the consistory of Vicnua Carinthin is in the jurisdiction of the suprome tribunal of Griatz. The governor of the crownland resides in Klagenfurt. The chicf towns, Klacenfurt and Villacit, are noticed in separato articleas The Crownland of Carinthis ls ineluded in the so-ealled Gcrmanic cinpire.

CAlLLINGFORD. [Louth.]
CAllLISLFF, Cumberland, the capital of the county, su cpiscopal oity, a parlismentary and municipal borough and port, and the sent of a Poor-Law Union, stands on an ominence nearly encompansed by three at reams, the largent of which, the Eiden, passing the city on the morth aide receive the other two-the Caldew ou the wost mill the l'eteril on the east of the city. Carlisle is situated in $54^{\circ} 53^{\prime} \mathrm{N}$. late, $2^{\circ} \mathrm{E5}$ W. long., distant 801 miles N.W. lyy N. from London by road, and 300 sniles by the North. Weatern and the Lancuster aud Carlisle milways The borengh is governod by 10 aldermen, onc of whom is manyor, and 30 councillors; and returns two members to the Imperina l'arllament. The population of the city of Carlisle in 1851 was 26,810. The livingn of the parishes of St. Mary and St. Cuthbert aro porpetual curacies in the archdeaconry and diocene of Carlislo. Carlinlo PoorLaw Union contains 10 parishes and townships, with an area of 02,981 seree, and a population iu 1851 of 41,566 .

Carlinle is suppomerl to be of liritish origin, and there in reason to conclucle that it was a lloman station, the Lagurallum of the 'Itinerary' of Antoninus. It was probably first fortifiod about the the of Agricola. The Danes dentroyed it about the enrl of the 9 th ceutury;
and it romadnol donolnte for two centuries aflerwarda Its restoration and the eroction of the castle are attributed to Willimm liufus. The eubsequent hintory of Carlisle, down to the union of the two kingdome, is intimately counccted with tho wars botween England and Scothand, and the history of the bonler fends asd forsya, Carlisle was taken by David I., king of Scotlnnd, and was besjoged afterwards without succeas by William the Lion. It nuffared by fire during subsequent sieges. It was oceupiod on difforont vecrsions by lidward I., who in 1806.7 held a Marlimment hera. Mary Quees of Scotland stopped in her dight after the battle of laugeide at Carlisle, where coummenced her long imprisonmeut iu Eangland. The inlabitants declared for Charles I. ; in the civil wars they suffered severe privations. In 1745 the garrison surreudered to tho Protender, Charles Stuart, the mayor and corporatiou presentiug him with the kcys of the city on their knees, and afterwards proclaiming huu King of Groat Britnin. Ou the city being ro-taken by the Duke of Cumberland some of the principal sctors on this occasion suffered death; on others severitics little sliort of desth were inflicted.
To its position as a fortified border-town Carlinle owes much of its importance nad the possession of many immunitien and privileges which at various periods in its early history were conferred upon it.
Till about a century ago no trade or manufncture of any import ance appears to hare becis carriod on within the city. Tho comparntive strength of its positiou in a district frequently exposed to border contlicts, attracted to it the surrounding inhabitants, so that at certain periods in its history it was a populous place; but after the union of the crowus of Einglaud and Scotland in the person of James 1. of England, Carlisle suuk into decay; a coudition from which during the last 60 or 70 years it has beeu gradually but steadily recovering. In 1763 the population was about 4000 ; in 1750 it was 6299 ; in 1801, 10,221 ; in 1831 the total population amountor to 19,069 ; in 1851 it was, as mentioned above, $26,310$.

The principal trade of Carlisle arisee from its manufacturas of cotton goods and ginghams. There are also hat-factories, dyo-works, and several extensive foundries. The distance of the city from I'ort Carlisle, at the mouth of the river Eden ou the Solway lrith, is about nine miles; s ship canal, 11 miles in length, which was cormpleted in 1823, connects Carlisle with Bowness on the Solway Frith. By this caual vessels of 100 tons can ascend to the town. A steaner ylica twice a week betweeu Liverpool and Port Carliale. Besides being a principal station on one of the railway routee to Scotland, Carlisle posseases railway communication with Newcastle-on-Tyue aud Sonth Shielde on the eastern coast nud witl Maryport ou the western.

The following statement gives a view of the shipping business of Carlisle:-The number and tonnage of vessels registered as belonging to Carlisle on the 31 st of December 1852, were-Sailing-vesscle under 50 tons, 12 , tunnago, 309 ; sbove 50 tons, 23 , tonnago, 1624 : stean Fcrsels, oue of 10 tons, and one of 231 tons. The vessels which entered and cleared at the port during 1852 were as followe:-Coanting trade, iuwards 139, tonnage, 5908 ; outwands 348 , tomnage, 14,836 steau-ressels, iuwnrds 104, tonnage, 20,640 ; outwards 98 , ton nage, 26,319 . In the coloninl and foreign trade there entered 12 vessels of 2236 tons, sad cleared 4 of 860 tons.

Before the leformation there were sevcral ecclesinstical establish monts in the city. Dr. Paley was archdeacon of Carlisle, and pub lished some of his unost popular works while residing in the city. He is buriod in the cathedral, where a monnment has been erected to his memory. The cathedral is an ancient building of red frecstone, diaplaying specimens of differeut styles of architecture from tho Norman downwards. It is a comparatively small building, and inforior to most other English cathedruls. The chief architectural feature in the great enst window, which is a splendid and elaborato example of the decorated style. The principnl dimensions of the cathedral of Carlisle are as follows :-Extreme length, 242 feet; Ureadth, 130 feet length of nave, 110 feet; breadth of nave, 34 feet; height, 73 fect height of tower, 129 foet. In addition to the cathedral and St. Mary'e there are three other churches-St. Cuthbert's, Triuity, nud Christ church, and places of worship for Independents, Wesloynu and Prinitive Mcthodista, Prosbyterians, Baptists, Quakers, and Roman Catholics. Carlislo possesses an Eudowed Grammar school, founded by Henry V11I. It is free to the ehoristers of the cathedral. The school possenses au income from eudowment of $108 l$ a year. It is under the care of a head nud sccond master, and three other masters the number of scholars in 1852 wns 75 . Thero are National, British and Infant schools, a School of Juduatry, and St. Patrick's school, instltuted in 1825 for the education of 100 cluildron. The l'aweett schools wero recently erceted as $n$ toatimonial of respect to the vene ruble incumbent of St. Cuthbert's chureh. There aro in Carlisle two literary institutions, a mechanles instituto, a public library, two publie uewa-rooins, and a kavinge liank.

The cartle of Carlisle, erecterl in 1022, lies between the city and the Edeu, ou a slight emineace overlooking the river. Some parts of the original castlo remain in an unusually perfect stato. This is especially the cane with the barbican, which in a very interenting example of that portion of a Norman castle. Carlisle castle is still maintained as a garrism-fortrom Scarcoly any portion of the old walln and bulwarks now remains. The county jail and house of correction, orected in 1827, are withins the city. A couuty court is helel in Carlisle.

Considerable improvement has taken place in Carlisle of late years. Many uew buildings have been erected; handsome streets have been furmed; the roads in the vicinity have been much improved. Among the more recent buildings may be mentioned the custom-house, a neat and convenient strueture, situated at the canal basin; the news-room, in English Street, built of white freestone, in the decorated style, and erected in 1831; the fish-market, a plain Grecian building, erected by the corporation; and the large railway station of the Lancaster and Carlisle Railway Company. A handsome elliptical stoue bridge of five arches was erected over the Eden in 1812, at a cost of 70,0001 . There are also bridges over the Caldew and the Peteril. The city contains a number of benevolent institntions, among which are the infirmary, a fever hospital, a dispensary, and a humane society.

The market-days aro Wednesday and Saturday. Fairs are held in August and September. A series of fairs or 'great marts' for horses and cattle, commences on the Saturday after the 10 th of October, and continues every Saturday till Christmas.

An earldom of Carlisle was created shortly after the Norman conquest. It has become three times extinct, by surrender, attainder, and death without issue. The present earldom was revired in 1661, and is held by a branch of the Howard family. Carlisle was erected into a bishop's see by Henry I. in 1133 ; the bishop having jurisdiction over a large portion of Cumberland and Westmorland. The diocese at present extends over a considerable part of these two counties, and comprises 137 benefices: there is only one archdeaconrythat of Carlisle. The cbapter consists of the dean, four canons, the archdeacon, chancellor, three minor canons, registrar, deputy-registrar, and secretaries. The income of the bishop is fixed at 3000 . a year.
(Nieholson and Burn, Mistory of Cumberland; Lysons, Magna Britannia, Communicalion from Carlisle.)

CAlRLOVITZ, a well-built town in the Slavonian military fronticr, is sitnated on the right bank of the Danube, about 8 miles S.E. from Peterwardein, and bas about 5600 inhabitants. It is the seat of the archbishop or metropolitan of the Greek Church in the Austrian dominions. The finest buildings are the cathedral and the archiepiscopal palace. The only quarter of Carlovitz which has the appearance of a town is that part which adjoins the archiepiscopal palace; the larger portion of it stretches like a village along the Danube. It eontains threc other churches, a Greek theological seminary, a lyceum, a Roman Catholic academy, and an hoopital. The church ef Mariafried on an adjacent emincnce is built upon the spot on which the treaty of 1699 between Leopold II. and his Polish and Venetian allies and Mnstapha II. of Turkey was concluded. By this treaty Austria gained Hungary, Transylvania, and Slavonia. The traffic of Carlovitz is derived from its fisheries and transit-trade, as well as the export of the wines, which the environs produco in considerable quantity; this has in some years amounted to $1,800,000$ gallons. Carlovitz is a station for the Danube steamers. Although situated within the military frontier, it is a free town, governed by civil magistrates, and its inhabitauts are exempted from military duty in order that they may apply themselves to trale and manufactures.

CARLOW, an inland county of the province of Leinster in Ireland, is bounded. E. and S.E. by the counties of Wicklow and Wexford, which separate it from the Irisls Channel, S.W. and W. by the county of Kilkenny, and N.W. and N. by the Queen's county and the county of Kildare. It lien between $52^{\circ} 28^{\prime}$ and $52^{\circ} 53^{\prime}$ N. lat., $6^{\circ} 32^{\prime}$ and $7^{\circ} 7^{\prime}$ W. long. It has an area of 221,342 acres, of which 184,059 acres are arable, 31,249 uncultivated, 4927 in plantations, 602 comprised in towns, and 505 acres under water: the population in 1851 was $68,075$.

The county, which is in form nearly triangular, comprises a plain of considerable extont and fertility, lying between the Wicklow and Wexford ranges on the east, and the high lands which bound the valley of the Barrow on the west. The Slaney River descending along the western declivitics of the Wicklow range, and thence passing by the northern extremity of tho Wexford group waters the central and north-eastern divisions of the county, passing in its course the towns of Rathvilly, Tullow, and Clonegall. The Barrow forms the bouudary of the county on the west, except through a portion of its course where it cuts off the barony of Idrone West. The county town of Carlow, and the towns of Leighlin Bridge, Bagenalstown, and Borris are situated on the Barrow in this part of its course : the adjoining districts display excellent agriculture and great fertility. The southern extremity of the county, included between the Barrow and the mountain range of Blackstairs ( 2401 feet) and Mount Leinster ( 2604 fcet), is hilly and ill cultivated. Throngh a distance of about 15 miles these monntains form a barrier between the south of Carlow and the adjoining county of Wexford, crossed only by one leading road through the pass of Scullough Gap

The principal geological constituent is granite, which extends from tho mountainous district of Wicklow through the entire central tract of the county. Through the central and more productive part of the field the granite is covered by tertiary beds of limestone gravel. In the southern division the granite rises into the elevations of Mount Leinster and Blackstairs. North of the ridge of Mount Leinster a tract of the silurian slate of Wexford, skirted by greenstone protrusions, crosses the valley of the Slaney from the neighbonrhood of Clonegall to Myshall. In the valley of tho Barrow the upper lime. stone, calp, and lower linestone present their respective edges in
parallel fields corresponding pretty nearly to the course of the river which flows chiefly through the field of calp. A small projection of the old red-sandstone formation of the Slievenamon group oceurs at Goresbridge. In the limestone district the soil is gravelly but warm; it is lighter and more peaty in the granite district. From the facility of splitting with tbe wedge the granite which is found here, lintels of granite are commonly employed in cases where bars of wood are used elscwhere, and a common fence in the county of Carlow is a granite paling, the square lintels resting on their angles in notches on the tops of granite uprights ; the weight of the stone keeps it in its place without any further fastening. A branch of tbe Great Southern and Western railway has been open sinee August 1846, connecting Dublin with Carlow town; and an extension of the line from Carlow to Laviestown, within two miles of Kilkeuny, was opened in November 1850. The great southern road from Wublin to Kilkenny passes throngh the county in a direction nearly parallel to the Barrow, which it crosses at Leighlin Bridge. The roads are numerous and mostly in good repair. Carlow also derives considerable facilities of transport from the Barrow narigation, which affords a water-carriage south to Waterford, and north by the Grand Canal, a branch of which meets it at Athy, to Dublin and the Shannon.

With a good soil and a resident proprietary Carlow has long held no mean position as an agricultural and productive county. The crops generally raised are potatocs, wheat, barley, and oats. The number of acres under crop in 1851 was 87,615 : namely, wheat 10,191 ; oats, 28,415 ; barley, bere, and rye, 5709 ; beans and peas, 136 ; potatoes, 11,154 ; turulps, 6047 ; mangel-wurzel, carrots, parsnips, and cabbage, 1157 ; vetches and other green crops, 352 ; flax, 117; and meadow and clover, 24,319 acres. Of plantations, including oak, ash, elm, beech, and fir trees, mixed timber, and fruit, there were 8428 acres. In 1851 the number of holdings in the county was 5942 , of which number 529 did not exceed one acre. In the same year on 6403 holdings (of which 5413 were under one acre) therc were 7039 horses, 2309 mules and asses, 33,989 cattle, 32,268 sheep, 24,642 pigs, 2743 goats, and 105,635 poultry. On the whole the county is a rieh one, and the farmers have hitherto, for their stations, been geuerilly comfortable.

The manufacture of coarse woollens was at one time carried on to some extent in Carlow, but the trade is now altogether gone. The county is cssentially agricultural, and its staple is the raisiug and preparation of provisions-especially corn, lutter, flour, and oatmeal. On the Barrow navigation there is a fall of rather more than one foot per mile, which gives a great water-power available for mill sites at almost every weir; the number of corn-mills along the line is aecordingly very great, and with oue or two exceptions these establishmeuts Le within the limits of this county. The provision trade cousists chiefly in bacon for the home market. Large quantities of barley are malted by the resident maltsters and distillers.
The only towns of any importance in this county are Carlow, Tullow, and Bagenalstown. Carlow will be found described under its title: Tullow and Bagenalstown, with one or two villages, we notice here. Tullow is situated on the Slaney, on the road from Dublin to Wexford, in a well-cultivated and agreeable country: the population in 1851 was 2963 . The parisls church is adorned with a tower, and the Roman Catholic chapel with a spire, whieh form striking features in the landscape. There are here a small monastery and convent, the members of which occupy themselves in education. Quarter sessions aro held here in rotation. The town is improving.

Bagenalstown, on the Barrow, is a small but neat and thriving place: in 1851 it had a population of 2256 , and 36 inmates of the fever hospital. The sessions house, occupying an elevated site, has a handsome Ionic portico. A considerable number of respectable families reside here and in the vicinity; and an extensive trade is carried on in milling, for which the Barrow affords abundant water-power. The quarrying and dressing of grauite also affords a good deal of employment. Quarter sessions are held here.

Borris is a small town, population 720 in 1851, which has grown up as an appendage to the neighbonring manor-house of Borris, the residence of the Kavanagh family. The Roman Catholic chapel is in the village; the private chapel attached to Borris House serves as the ordinary place of worship for the Irotestant iuhabitants of Borris town. Borris House is an imposing building in the Elizabethan style, and stands in a park of great extent and beauty on the left bauk of the Barrow. Clonegall, population 334, on the castern border of the county, is picturesquely situated on the river Derry, about 7 miles S.S.E. from Tullow. The village contains some good buildings. Tell fairs are held in the course of the year; two in May and December for frieze; the rest for cattle. Hacketsiown, population 790, on the Derreen rivulet, about 35 miles S. by W. from Dublin, is a place of some importance in the district in which it is situated. Fourteeu fairs are beld in the course of the year. The towu possesses a respeetablo amount of trade. Besides the parochial chapel, there are two chapels for Roman Catholics, and National and Charity schools. Leighlin Bridge, population 1292 in 1851, so called from a bridge built here in 1320 by a canon of the cathedral of Kildare, to facilitate the access to the cathedral church of Old Leighlin which stands two miles west, is a small straggling town on both sides of the Barrow. The parish church and Roman Catholic chapel stand on the right bank; the ruins
of an early Anglo-soruan fortrem callm the Mack Cautie, huilt to lefend the fonl before the erection of the bridge, occupy a comaidernble area on the Ief. Old lrigWin in a poor village, and the catheiral, a building of the 12 th century, netorel In the 16 hh , lias Inem used sine the unfor of the aeo with that of Ferns, in a.s. 1600, an the furial church. Olel Leighlin was at an merly perlod a parlia. mentary borough, and a place of nome conarquence, bit auffered from fine, and the rnvagen of war. The borvugh roturned two membern to the Irish Perliment, but was disfranchleed hy the Act of Uuion. Rathrilly, populatlon 460 , nitunted on the lef bauk of the river Siluney, it the iuternection of several roadn; eight faira aro held during the year. Beside the parish churel there aro a Roman Catholic chapel and two Nintional echools Tiwnahimed, on the left bank of the river lanrow, has ineremed ln population from $221 \ln 1811$ to 401 in 1831. It forma a suburb of the town of Craiguenamanagh on the opponite bapk of the river, ln kilkenny county. Near the village are the suin of Tinnahisch Castle, and of St. Michal': church, buryingground, and wall. Fairs aro held in MIay, September, and December.
In the yoar 680 a myod was held at Old Iaighlin to adjust the dippute between the Irish eceleriatios and the See of Rome reganding the fit time of celebrating Finater. When the English invalers came thip part of the couvtry was known as comprohending the territories of Ily-drone and Hy-Caranagh, being the northern portion of the territor of Ily.Kinsellagh, the patrimony of Dernot Mac Murrogh, king of Leinster, the inviter of Strongbow. Isabel, daughter of Strongbow by Fira, daughter of Dermot, inaried (1189) William Earl Marahal, one of the invading nobles, who in her right succeeded to the principality of Leizster. This William, who was Loord Justice of Ireland, granted the first charter to the inhabitants of Catherlagh, as the present county town was then called, about 120S; and King John coming to Ircland in 1216 made the county shire grouud. William Fiarl Marshal and Pembroke dying ln 1210 left five sous and five daughters, and on failure of the male line the Carlow division of his immense estatos fell to his daughter Maud, who married Ioger Bigod, earl of Norfolk. From Roger, carl of Norfolk, the lorlship of Carlow paed to the crown, and from Maud his wife the barony of Idrone pased hy grant in fee to the family of Carew. The lordship of the country was next granted hy Edwand I. to Thomas de Brotherton, and from him descended through the family of Howard, earls of Norfolk and lords of Carlow, till forfeited by the statute of absentees in the rcign of llenry VIII. These lords palatine exercised a kind of sovereigu nway in their territories, hat the circumstance of their residing at a distance gradually slackened the exercise of their privileges, and the descendarts of the ciisposecssed Irish taking advantage of the lax miministration of their depntien, and headed hy one of the Kavanaghs, a dencendant of Dermot Mac Mlurrogh, began forcibly to repossess thenselves of their ancient patrimony, in which attempt they were altimately so successful that in tho 37th Edward III. an order issued pro barrio amorendo a Catherlogh usque ad Dublin-for withdrawing the boundary of the pale from Carlow to Dublin-the country south of Nam having fallen completely iuto the hands of the Irish. Richard II., A.D. I394, and again in 1399, undertook expeditions for the recovery of the revolted counties, hut although he forced some of the Irinh chioftnims to a temporary show of obedience, ho was finally obliged to roturn to Kingland without accomplishing his ohject. In 1404 the Fitzgeralds seized the castle, which they held till after the unsucecesful rebellion of Lord Thomas Fitzgerald in 1537. In this year the resumption of the lordship of Carlow, alluded to nhove, took place; by which means the crown was afterwards enahled to grant large estates to the family of Butler in this county. In 1567 Sir leter Carcw, descendant of the last proprietor of Idrone, into which the Kavaragha had forcibly intruded in the reign of Edward III., exhihited lite claim to this barony, and having eatahlished it to the ratisfaction of the council, entered on possession, and "denlt in such good order with the Kavanaghs, and so howourahly used himaelf, that thoy all voluntarily yiclded up their lands, and submitted themselves to his derotion." (Ilooker.) Sir Peter Carew died in 1570 , and his son Sir I'oter Carcw was killed at Glendalough in a battle with the O'Byrnes of Wicklow in 1580 , after which the Kavansghs once moro made heed ln Carlow, and with the O'Bymes, commenced a predatory warfarc, whlch lasted from 1590 till 1001, when Sir Oliver Lambart at length reduced looth to subinimion.

During the roign of 1 lilizabeth large tracta of the county of Carlow had been granted to the Bntlers and Fitzgeralds, and in the succeed. lag relgn their estates wero confirmed, ns well as considerable pos-nemsions- to the Liarl of Thomoud, to the gubmitted Kavanaghe ; and among other grante wan that of the entire harony of Idroue, to the fanily of Ingmall. In the rebellion of 1\%98 Carlow was the scene of neveral engagementa. On the 25th of May the rebels attacked the town of Carlow, and were repulsed wlth the low of 600 men; on the same day a battle wan fought at llacketstown, in which the lnsurgenta, snid to liave been 13,000 ntrong, were defeated with conslderable loss; and on the nlght preceling, Iborris Ilouse, the renidence of Mr. Cavanagh, was attacked by 6000 of the peamantry, who were repuleed both on this occasiun and on the 24 th of June when they analed the town of Borrim Leighlius Hridge and Bagenalstown wero also attacled with i like reault.
The chief antiquitien of the county aro military ; cromlechs, near
the towns of Carlow and Ilacketatown, and the cathedral church at Ohd Leighlin, being the only pagan and eccleaiastical moummenta of interent Of the cromlechs, that nenr Carlow is the moot remarkabln; the covering-tone woighs nearly 90 tous. Of the castles those at Carlow, Tullow, and Idighlin Hridge ane the most ancient: the build Ing of all in attributad to De Lacey. At Clomnullin, In the barony of Forth, are mome tracee of the castle of Donnell Spauingh Kavanage Cloghgrenan, a castle of the IButlem on the right bunk of the Darruw, In still atanding: Clonmore, another atronghold of the same farnily, situated near liacketstown, remains in a state of good preservation; it is a noble pile of 170 feet square, Alanked with square towers at the angla.

Carlow county is divided into seven baronles : Inathvilly and Carlow on the north; Forth, Idrone Fant, and Idroue Went in the ceatre; and St. Iullin's (Upper and Lower) on the south. The county courthousa and prison, county infirmary, and district lunatic asylum are at Carlow town. Quarter scasions aro held at Carlow, Tullow, and Magennlstown. Fever hospitala are at Bageualstown, Borris, Carlow, and Tullow. In December 1851 there were in the county 59 National schools, attended hy 3133 male and 3515 female acholara Carlow returus thrce members to the Imperinl Parlimmeut, two for the county and one for the borough of Carlow. The assizes are held at Carlow. The county is witbin the military distriet of Kilkenuy ; a barrack: station for cavalry and infantry is at Carlow. The couuty constabulary, of which tho head-quarters are at Carlow, consist of 153 men, including officers; they are divided into four distriets, of which the head-quarters are Carlow, Bagenalstown, Tullow, and Borris. There Wha no savings bauk in the county in 1851.
(Ordnance Surrey Geological Map; IByan, Mistory and Ariquities of Carlon; Shatistical Surrey of Curlow; Fraser, Iluadbook for Ireland: Original Commuaications.)

CARLOW, county of Carlow, Ireland, in the barony and county of the same name, with the suburb of Graiguc in the barouy of Slieve marique, Queen's County, an assize, market, and post-town, a parlia mentary borough, and the seat of a PoorLaw Union, is situated in $52^{\circ} 47^{\circ} \mathrm{N}$. lat, $6^{\circ} 60^{\prime} \mathrm{W}$. long.; distant from Duhlin by the hich roml 496 miles, by the Carlow branch of the Grent Southern and Weatern railway $55 y$ miles. The population of the borough in 1851 was 9121 , besides 2461 inmates of the Union workhouse and other public iustitutions. The borough returns one member to the Imperinl Parlia. ment. Carlow Poor-Law Uuion comprises 45 electoral divisions, and an ares of 185,857 acres, with a populatiou iu 1851 of 03,503 .

Carlow is situnted on the left bauk of tho Barrow where the Burrin, a small river flowing westward from the barony of Forth, enters that river. The town consists chiefly of two main streets, one running nearly parallel with the Barnow, and crossing the Burrin hy a neat motal hridge; the other leading to the suburb of Gmigue, in Queen's County, by a handsome halustmded stone briclgo over the Barrow. On the uorth side of the lattor street opposite the site of the rumed castle struds the parish church, a reapectuble odifico ormanented with a spiro of very elugnut proportions The court-house is an octngonal building of cut stone, with a handsome portico of Ionic colunna, approached hy a fine fight of steps, aud elevatod on a massive baluso traded bascment. There aro places of worship for I'resbyterians, Methodiste, and Quakern The lioman Catholic church mud college aro both fine buildings; the church, which serves as a cathelral for the united dioceses of Leigblin and Kildare, is a spacious and handsome cruciform edifice, with an octagounl tower surmounted by a lanthorn 150 feet bigh. The college, a plain edifice, was origiually founded in 1789 for the cducation of Roman Catholics. A new wing was added in 1828 , aud the house is now ealculated for 200 students. There is a Roman Cutholic convent bere, founded in 1811, with a achool attached. Thero is also a nunnery. Carlow has a diocesan nehool and several other nchools counected with the Esatablisheal Church. The county jail is a well-regulated establishment; employmeut is provided for prisoners of both scxes. The Union workhoune is constructed for the accommodation of 3278 inmates. Adjoining is a harrack for two conspanies of infantry and a troop of horse. Conl is hrought from the neighbouring coal district in the Qucen's County, aud by the Barrow from IRoss aud Waterford; but the principal fuel uned by the lower classes ls turf. The chief manufacture carried on hero is that of flour and ontwenl, large grinding-mill being driven both hy the Burrin and the Barrow; there are a browery and a distil. lery, several flour-mills and malt-houncs. The butter trade la carricel on extcuaively.
The town of Carlow grew up round the castle which was founded hero by the early English conquerors about the cud of the 12 th century. It was orceted lnto a borough by William laarl Marshal, about 1208 , and wan murrounded witls walls in 1362 by Lionel, duke of Clarcuce, who removed the king's exchequer hither from Dublin. It is suid that the cnstle was soized in 1297 by Donnell Mac Art Kavanagh; and it appears to have been occosionally $\ln$ the hands of the Irish till about 1494, when it was seized by a brother of the Earl of Kildur, and after a siege of ten days was taken from lim ly the lord deputy, Sir Eidward I'oyuiugse The cantlo wan occupied by the Royalists cunder Cantain IBellow, and on the 24 th of July, 1650, after a short siege was aurrondered to Sir Ifardreas Waller, commauding a division of Ircton's parliamentary forces. In July, 1604, the mnnor of Carlow was
granted to Donogh O'Brien, earl of Thomond, and the office of constable of the castle was bestowed on bim and his son Brieu in consieideration of his surrender of certain castles in Tipperary and Limerick. In 1613 Janee I. granted a charter to the inhabitants of Carlow, conetituting the town a borough. This charter was superseded by the Reform Act. The dilapidation of the castle has been comparatively recent. The whole structure, a square of 105 feet, with massive round towers at the angles, was etandiug in 1814, when an injudicious attempt was made to modernise it by piercing new windowe and diminishing the thickness of the wslls, in consequence of which more thau one-half of the building fell to the ground. Ite ruins, consisting of one curtain wall with its flanking towers, about 65 feet in height, etand over the left bank of the Barrow, and still form a prominent and picturesque object.
The Lunatic Aerlum for the counties of Carlow, Kildare, Wexford, Kilkenny, and Kilkenny city, is half a mile north of the town. A forer hospital and military barracke are at Carlow. Csrlow is a neat and thriving town, situated in a rich country, and is the residence of many respectahle families. Fairs are held in May, June, August, and November. Markets are held on Monday and Thursday. Graiu and butter are exported to Dublin and Waterford to a considerable amount. Several flour-mills and malt-houses are in the vicinity.
(Ryan, History of the County of Carlow; Thom, Irish Almanac; Parliamentary Reports and Papers; Original Communications.)
CAl?LSBAD, a royal town, celebrnted for its mineral waters, is sitnated on the Tepl, in the circlo of Ellbogen in Bohemia, in $50^{\circ} 13^{\prime}$ N. lat., $12^{\circ} 52^{\prime}$ E. long., and has a permanent population of about 3000. Tho warm spring called the Sprudel, to which it is indebted for its celebrity, was first brought into notice in 1370, when Charles IV., as the tradition says, whilo following the chace in its viciuity was attracted to the spot by the cries of $a$ hound that hed fallen into the hot apring in pursuit of a stag. Chsrlcs'e phyeician, Beier, was one of the party, and formed so high an opinion of the virtues of the water, that be recommended his royal master to uee it for tho cure of wounds he had received at the battle of Crecy. The result having established its efficacy, Charles founded a free town on the sport, settled the inkabitants of a neighbouring village upon it, ordered baths to be opened, and gave it his own name. In the marketplace is a etatue of Charles IV.

Carlsbad is built in a decp narow valley, traversed by the Tepl, which falls into the Eger just bclow the town, aud is bounded on every side by lofty heights of granite. The houses branch out into three dietinct ravines or lesser valleys. A moro delightful eccne cannot be conceived than the prospects from tho summit of the heights that screeu theso dells. They aro traversed io all directions by shady walks provided with scats and summer-houses. The hot springs are close to the bauky of the Tepl. They cmit a dclicato rapour, which constantly hangs over the town, and has a peculiar odour. The Sprudel has a tcmperature of $165^{\circ}$ Fahr.; its water boila eggs hard, and is used by the townspeoplc to scald poultry and pige. Its principal chemical ingrodicnte, which exist also in tho. aamo proportions in the other springs, are sulphatc of soda, carbonate of soda, common salt, brominc, and potash. About $2,000,000$ gallous of water flow from the springs in a day, two-thirds of which are furniehed by the Sprudel and Hygeia. The Muhlbrunucu bas a temperature of $138^{\circ}$, tho Nenbruuneu $147^{\circ}$, the Theresienbrunnen $132^{\circ}$. There are neveral othor springs; most of them are ehaded by a covered colonnade, under which the drinkers take the waters in the morning to the 'sound of soft music.' The waters are ueed also for warin, mnd, vapour, aud douche baths. In 1838 a new fountain burst forth in the market-place with a temperature of $135 \frac{1}{2}^{\circ}$. All the springs rieo out of granitic breccia; and all of them have petrifying qualities. The Sprudel bursts ont of the breccia through a crust of its own formation.

Carlebad is the most aristocratic watering-place in Europe. Tho most fashionable season is from June 15 th to August 15 th, but some visiters remain to the chr of September. The unmber of visiters varies between 5000 and 6000 . There are reading-rooms, reetaurants, several good shops, a theatre, and coffee-houses; gaming is strictly prohibited. Boheminn glass, chinn, carthen and pewter cupe are sold in large quantitiee. Every visiter who remaine 5 days paye a tax of 4 florins, which is laid out in kecping up and improving the walks, baths, templen, colonnadce, and other buildinge connected with the springs. The arrival of distinguished strangers is announced by trumpcters stationed oll a tall tower near the narket-placo; the nature and cxtent of tho flourish depeud on the character of the equipage.
CAIRLSKRONA, a fortified sea-port town, the capital of the province (Lïn) of Carlskrona in Sweden, is situated in $56^{\circ} 10^{\prime} \mathrm{N}$. lat., $15^{\circ}$ $35^{\prime}$ E. long., and has a population of about 12,000 . It was founded in 1680 ly Charles XI., who made it the station of the royal fleet and the naval arsenal of Sweden. It is built chiefly on the ieland of Trotä̈ ; the rest of the town stands on smaller adjoining islands, the whole being conuccted by bridges and by an embankmeut with the mainland. Its streets aro wide aud straight, but the ground on which the town etands is uneven. The houses aro commonly good, though small; many of them are built of etone and tho reet of wood.
Tho harbour, formed by a series of islands lyiug about three miles distant from the continent, ie spacious, safe, and convenient, and has depth enough for tho largest meu-of-war. Thero are three entrances:
the only one practicable for large veseels is on the south side of the town, between the islands Aspö and Tjurkö, and is defended by two strong forts. The eutrance to the west of it is called Acpöeund, which may be entered by frigates, and etill emaller ressels find admission iuto the harbour by the east entrance, called Skällesund.
The dry docks of this harbour have alwaye attracted the attentiou of foreigners. The old dock, built in the time of Charles XII., was blasted out of the grauite rock, and ie 200 feet long by 80 feet wide; it ie deep enough for the largest veesels. The new dock, constructed under Gustar III., is much more extensive, and consists of several divisions for the building of different kinde of ressele; it is likewise cut in the granite. The other buildings are the arsenal, the artilleryyard, and the admiralty. The buildinge and constructione connected with the naval arsenal and dockyard are separated from the town by a wall. The greatest inconvenience to which the inhabitants are exposed ie the want of good water. The manufactures, which, excepting the naval equipments made in the royal arsenal, are unimportant, compriee linen, tobacco, and refined engar; metals, potash, \&c., are exported. Steamboats between Stockholm and Carlshamn (a emall eea-port, 26 miles W. from Carlskrona, with a population of 4200 ) call at Carlskrona.

The province of Carlekrona has an area of 1130 square miles, and had in 1845 a population of 102,342.
CARLSRUHE (Karlsruhe), the capital of the grand duchy of Baden, etands in the circle of Mittel-Khein, about 4 milee east of the Rhine, on the railway between Mannheim and Båle, being 34 miles S . from the former and 123 miles N.N.E. from the latter town: population, 24,000. It stands at an clevation of 372 feet above the level of the eea and 50 feet above that of the Rhine, iu $48^{\circ} 56^{\prime}$ N. lat., $8^{\circ} 22^{\prime}$ E. long. Its origin was a bunting-seat built ou the spot by Charles Willian, margrave of Badeu, in 1715. It is constructed in the form of au extended fau, the grand ducal palace conetituting the central point, from which the etreets and aveuuce diverge. The streete commeuce from a semicircular row of handsome houses which fronts the palace, and is called the Great Circle. The etyle of the houses is various; some are in the Duteh, come in the Fre.ch, and many in a mixed Greek and Roman style. The palace is remarkable only for its tower called Rleythurm, which staude in its centro; the right wing of the edifice contains the public library of 90,000 volumes, collectiou of antiquities, coins, \&c.; aud the left wing, the church of the court. The view from the Bleythurm is splendid, comprehending the whole city and the Hardt Forest, which nearly eurrounde the towu, and is pierced by roade corresponding with the eoveral streets; beyond this to the west are seell the Vosges Mlountains and the wind ings of the Rhine, the Black Forest Mountaine on the south, and tho Bergstrasse on the north. The Great Circle containe tho government offices, and the palaco of the Margrave Maximilian. Carlsruhe has nime public squares, the finest of which is the marketplace. The stone-pyramid, with au inscriptiou iu memory of Charles William the founder of the place, whose remains are inclosed in it, stands in the centre of the square. The new Protestant, the new Catholic, and the garrison churches are haudsome buildings. The building for the Legislative Assembly is three stories high, and contains two fine halls for the eittings of the two chambere, besides residences for tho president, officers, \&c., and depositories for the archives and papers. Among the important inetitutions of Calernhe, to all which are attached handsome buildings, are-the musenm, the mint and officee of works, the academy of the arts and sciences, with a picture ga!lcry attached to it, the arsenal, polytechnic school, poet-office, and barracks. The town aleo posseeses a botanical garden, a veterinary school, four hospitals, a desf and dumb asylum, and other useful and benevolent institutions. There is a theatre attached to the palace. Tho inhabitants derive their livelihood prineipally from trade, mechanical employments, and manufacturee. The chief manufactures aro silks, cottons, carpets, woollens, jewellery, tobscco, snuff, leather, carriages, and articles of luxury. The P'alace Gardene and those called Amalieneruhe are alwaye open to the public, and afford pleasant promenades. There are aloo many attractive spots in the neighbourhood. The town is eupplied with water by an aqueduct from the Durlach. [BADEN.]

CAliLSTADT'. ['̆roatia.]
CARLTON, West Riding of Yorkshire a townehip and the eeat of a Gilbert Poor-Law Incorporation, in the parieh of Guieeley and upper. division of the wapentake of Skyrack. Carlton is situated in $53^{\circ} 53^{\prime}$ N. lat., $1^{\circ} 40^{\prime} \mathrm{W}$. long. ; distant 2 miles S.L. from Otley, and 28 miles W. by S. from York. The population of the towuship in 1851 was 185, including 79 innates of the workhouse. Carltou Gilbert Incorporation containe 40 parishes and townahipe, with an area of 86,034 acres, and a population in 1851 of 68,610 .
CarLukE. [Lanarksume.]
CAllMEL, a range of hille conuected by a chain of lower hills with the central mountains of Pulestine, runs in a north-weet direction and termiuates abruptly in the sea in a bold promontory, which ie called Mount Carmel, and forms the eouthern extremity of the Bay of Acre. The range risee rapidly from the coast to the height of about 1500 feet, and its whole leagth ie about 18 miles. It eeparates the great plaiu of Philistia from the plain of Eedraclon and the coast of Phonicia. It is composed of limcetone, and was formerly noted for

GFOO. DIV, YOL. II.
les fortility. On the sumatis of the range, aken, plaes, ad other free grow; and the vlaes and olire-trers whi hare still ween among the brasubles Indicate that Ith surfice was one under cultivatlon. The thos are atill covend with rich pasture, where thepherdn feed their tocks es tler did when the IIebriw prophets described it es the - hatilutiou of shepherls.' The Klshon ruus aloug the enutern beso of Curucel into the liay of Khaifa.

Mount Carmed is celobrated in the Old Testament for the sacrifice of Elijah ( 2 Kings, xxili.), aud the fame of this miricle made lt be rogariel eren lis pagazo as a place of poculiar mactity. The site of Eilijahin altar in still pointed out. Carmel contains numerous caves, particularly on the western side. At the north-western extremity of Nount Chrmel is a monastery lielonging to the Carmelite monka, who took theirdenomination from thle mountaln : the momatery is boliered to be built over the spot where Elijah sad Elisha had their sbode.

The little town of Caifa, or Khaifa (the ancient Porphyrium), at the northern base of Mount Carmel, is of some Iraportance on accunnt of its rondstead. Corn, cotton, nesamum, snd Galilenn and Samarian oils are exported from Caifa,

CARSAK. [Monmest.]
CAREAK [THE日ES]
CAICNATLC, a province in tho south of Hindustan, extending between $5^{\circ}$ and $16^{\circ} \mathrm{N}$. lat., and letween $77^{\circ}$ and $81^{\circ} \mathrm{E}$. long. Tbis proviuce comprehends the forazer dnminions of the Nabobs of Arcat, stretching from Capo Comorin on the S . to the sinall river Gundigama, by whieh it is selnarated from the Circars on the N. On the E. it is bounded hy the Bay of Bengal, haring a line of coast 560 miles loag; and on the W. are Coimbatore, the laaramahnl distrieta, and the territory coded hy the Nizan. The hreadth of the provinee, no whero greator than 110 miles, averages about 75 miles, and is arrowest towaris the north. The chain of halls known as the Enstern Ghauts commences in tho south, about $11^{\circ} 20^{\prime} \mathrm{N} .1 \mathrm{lat}$, and exten.s nurthwand in a direct line to $16^{\circ} \mathrm{N}$. 1st., sepmating the Carantlo throughout Ins oxteut into two livisious, oue called Carnatlo Balnghauts, or abore the Ghauts [Balaghauts]; the other the Carnatic layeenghat, or below the Gunula 'The provinee is further diviled is length into three parta, severally callal the Southern, the Central, and the forthern Carnatie. The first of these dirisions is couth of the riser Coierun, the northera lirnuch of the Cavery, which rubs frum Trichinopoli to the Bay of Bougal. This part of the Carastio did not form an lntegral part of the dominions of the Nubob of Aroot, hut was tributary to that chicf. The principal towns which it onntafnare Carrical, Codds lozs, Madura, Niugore, Nogapmenm, Taujore, Tinavellv, Trauquebar, and Trichinopoli. The Ceutral Camatio has the Colirus for its southern and tha Panuair for lis northern boundiry. Its chlef towns are Mapras, Ancot, Chaudergery, Chiugleput, Conjereram, Giujee, Nellore, Pondicherry, Pulicat, Vellore, and Wallajabud. The Northern Carnatic comprehends the remsimeter of tho province, aud is included between the Pannair on the south and the Gundlgame on the north; of its towns, whlch are fow In number, wo may name Saungaum.

Carrical, at one of the outlets of the Cnvery IRiver, is a French settlement. The rircr in here narigablo for amall boats. The popusIntlon is about 15,000 . There is hero a good harbour. The town pomesses considerable trade. Madura, situated near the Vaygaru Kiver, it a fortifed city, about 270 miles S.W. from Madras. The population formerly amounted to 40,000 , but is now probalily not a large palace, a great temple with pyramidal towers, with numerous Hindoo alifices, attest the former extent and magnificence of the place. The strects are wide, and regularly lualt, but the dwellings of the inhalitauts are of an inferior deseription. Nagore, on the Nigore River, a hranch of the Cavery, at its embouchure in the Indina Ocenn, is a populous city, with considerahle trado. The house are well built. Tho city possesses several mosques, a square tower 150 feet hlgh, aad other publio buiddiugs Negapasam, on the Coromsudel coinst, ahout 50 miles E. from Tanjore, Fas fururrly a Portuguese and afterwards a Dutch settloment of bujortince, but has lost lis trade since it was united to the British dominious in 1783. Tanjure, the capilal of the Raja of Taujore, is sitratol near the right bauk of the Cavery, in $10^{\circ} 47^{\prime} \mathrm{N}$. lat., $79^{\circ} 13^{\prime}$ E. long., distunt 10 milea From Trichinopoli: the population has been sariously entimated at from 35,000 to 80,000 . The cireumference of the city sind the aularba in sbut als miles. It ls a placo of great etresgth, leing defended by two forth, whieh are connected with ench other; both aro surroumile I hy walla hullt of largo stones, and by broad and doep wet ditehes. The city is rexularly built, and in sed to ountin a larger proportion of good houses than any osher towa la Southera linduatan. The palace of the raja is in the larger fort. An extenslve 11l:doo venple is situated in the millor fort There is bero on Eaylish church. Tinnerelly, 60 miles s. hy E. from Cape Cumorin, is altunted lu a sery well cultirnted connery not fir from the mountalns T'anpuebar, formerly a Daninh eat"loment, ls a fortified men-port towa. It wan purchnsed by Eogland in 1816. The town posoneen a good harbour, sud some commerce The propulation may be about 20,000 . Tmequebar in a principal afation of the Protealant minaloanrice In Ilinduntan. Trichinoproli in situnted ou a rucky emineace on the right bank of the river

Cavery: it in fortifiod, and in matd to contain, incluling the suburbe, upwarile of 80,000 inhabltanta. The housm are generally inferior to those of Tanjore. There is a cousiderable trade in cotton-cluth, jowellory, and horse equipmeula. Tho bead quarters of tho south divlalon of the Badras aruy is at Trichimopoli. The chief publio hullulinga aro a palnce, anomise, and two Mindoo temples. C'handergery, is a furtifiel wow. situatod is $18^{\circ} 48^{\prime} \mathrm{N}$. Iat., $79^{\circ}$ I7 E. Joug., about 85 miles N. W. from Madra. Chingleput is situated in $12^{\circ} 46^{\prime}$ N. Int., $80^{\circ} 2^{\prime}$ K. long., on a feeder of the Palnir, distaut about 35 milea S.S. W. from Madras. The town la lrregularly built, and the Louses ara of menn appearance. The fort lins been allowed to full Into decas. In 1751 it was takeu by the lirench and retained by thon till 1752 when Captain, afterwards Lond Clire relook the place. Conjeveram, called by the natires Runji, is situated in a fertile valley watered hy the amsll river Wegamutty, in $12^{\circ} 49^{\circ} \mathrm{N}$. Int., $12^{\circ} 48^{\circ}$ E. long. The town is built in a straggling manner, and resenbles a series of villages iutermpersed with extensive gardens aud I lantations. The streets, which are wide and regularly bill out, are planted on each side with cocus-uut trees and hestand cedars. The houses are only one story hiyls; they lare anud walls aud are roofed with tiles. Racla louso is buitt in the form of a square, with a small court in the centre. A cunsiderable past of the inhabitanls aro weavers, and employ themselvos in makiag rod handkerchiefs, turbans, and cloths adapted for the dromses of the nativea. Coujeveram is also the residence of numorous Brahmina belonging to temples dedieatal to Siva and Vishnu, which are uuch frequented. The pagodn of Sira is a large huilding said to contain 1000 pillars, many of theur elahorately sculptured. The pagoula rledicated to Vishnn Conjoo is not so large, but is more highly veverated. It was from this building tbat the lown obtained its uame of Conjeveram. There aro numerons pagorlas, near which are placed large tanks ; in one of thewe, situated on the west side of tho grat pegoda, every Brahmin who risits the place for the first tine must perform Lis ahlutions, and he nust spond money in charity; the sums thus raised being in fact applied th the support of the Brubmius helonging to the temple Ginjee is Bltuated iu $12^{\circ} 12^{\prime}$ N. lat, $79^{\circ} 28^{\circ} \mathrm{F}$. long, distant 85 aniles No. W from Pondicherry. It was formerly considered by the untives as the stmugest fort lis the Carastlc. The works corer the summits and great part of tho sides of three detached rocky inountains, upwarls of $\$ 00$ fout high, and difficult of acceas : the whole aro counected by lines which inclone the plain between the aumatains, and contain withln them $n$ fortified bnrrier, dividing the works into an outer and inner fort. This fortreas was huilt about the middle of the $16 t h$ ceutury, aud was successfnlly strengthened by its Johammedan and Mahmetta possessors. It surrendered to the British in 1761, and Inas sluco heen completely neglected. Nellore, situated on tho right bank of the leaunir Itiver, is a populous place, and has a considerablo susount of trade. PosDichenkr, formerly the principal seat of tho Freuch power in Hinduatan, will be deacribed in a separato article. Pulical stands on the edge of a lake separated from the sea by low sandy beach, in $18^{\circ} 25^{\prime} \mathrm{N}$. lat., $80^{\circ} 24^{\prime} \mathrm{E}$. long., 23 milen N . from Madras. The Dutch formed a settlement here as eaily as 1609 , and after the loss of Negnpatam made it their chief station on the Coromandel coast. l'ellore is situnted ou the right bank of the river Palair; iu $12^{\circ} 55^{\prime} \mathrm{N}$. lat., $79^{\circ} 12^{\prime} \mathrm{E}$ long., abuut 20 aniles W. from Arcot. Vullore is a large fortress, containing soacions barracks and a curious pagoda, commanding the main road froms the coast of tho Carnatic to the province of Mysore. The fortreas is surrounded hy a strong stone wall, with bastions and round towers at ehort distances, and hy a wide and deep ditch, over which is a causoway, forming the ouly entrance. The town, which is large and populous, is counected with the fortrens by cIteasive outworke. It was basieged ly Tippoo Saib la 1781, bnt unsuccessfully, and after the conquest of Soringapatans it became the reaidenee of his family, hut on their joining ius revolt in 1820 they were remoral to Beugal. Il'ullnjabad ls 14 miles N.W. from the tomn of Chlugloput, iu $12^{\circ} 48^{\prime} \mathrm{N}$. Int., $79^{\circ} 63^{\prime}$ E. loug., and contains extonaivo military canlunuments. Saum. gaum is sltuated its $14^{\circ} 25^{\prime} \mathrm{N}$. lat., $79^{\circ} 47^{\prime}$ lí loug., 17 miles N.W. from Nellore.

The climnte of the Carnatio Paycenghaut, which has the ses on ono slde rud an ahrtupt mountuin rilge on the other, is consldered to be the hottest in Indis. Contiguous to the coast the heat is somewhat mitigatod by the sea-breeze. Tho fulure of this sea-broeze, *hich sometines occurs for weveral surcesalve days, oconnions a degroo of heat highly distresuing to the inhabitant, the thomomiter rising to $180^{\circ}$ in the shade. From May to July occasional showers oceur axd sometimes it rains heavily nud coutinuously for three or fous days, by which the air is cooled and vegotation rasisted. The soil of the province uenr the const is a mixture of sem-mud and lomm, sparingly Intormixed with the remalus of mariso auimals. In many parts tho cartls is strongly impregnated with iron, aul lu others there is in dry Weather a considerable etllorescouce of commou nilt upou the surface.
The priucipal rivers of the province are the Pannair, the l'alair, tho Colcrun, nud the Vaygaru. The l'analr rises ln Mysore, aear the fortress of Niandydrug, and taklug a southensterly directiou, falls into the mea nt Cudilalore, after a courec, including its windinge, of about 250 miles R'lie nouree of the Palair in very near that of tho l'aunair: It has a wluding couno towands the northeast of about

220 miles, and falls into the sea near Sadras, in $12^{\circ} 31^{\prime} \mathrm{N}$. lat., and $80^{\circ} 14^{\prime} \mathrm{E}$. Iong. The Colerun as above mentioned is a branch of the Cavery. The Vaygaru rises in the highlands to the south of Mysore, flows with a tolerably direct course southeast past Madura, and falls into the sea about 20 miles south of Tondi, in $9^{\circ} 25^{\prime} \mathrm{N}$. lat., and $79^{\circ} 5^{\prime}$ E. long. During its course the waters of this river are much employed for irrigation, and near its mouth there is a large tank, by which it is in great part absorbed: its channel is partially dry during some months in the year.
The lowlands are chiefly devoted to the cultivation of rice, and their rent depends npon the facility with which they can be irrigated. There are four harvests in the year, two of which are raised upon the same ground. The increase in ordinary seasons is usually for the first crop fifty-fold, for the second and third each forty-fold, and for the last from twenty to thirty-fold of the seed, the proportion sown being about ten bushels to the English acre. The high grounds which cannot be watered are principally employed for raising different descriptions of millet and a few leguminous plants. Sugar and indigo are cultivated to a small extent, and cotton in some situations grows lusuriautly.

The great bulk of the inhabitants of the Carnatic are Hindoos. A great part of the land is rented by Brahmins, who employ labourers of the inferior castes. The most numerous class of cultivators is that of Sudras, mauy of whom perform all the operations of the farm with their own hands.
The first invasion of the Carnatic on the part of the Mohammedans was in the year 1310, when the Hindoo sovereign was made tributary to the Mogul emperor. In 1717 Nizam-11l-Mulk obtained independent poseession of the sonth of India, and the dependence of the Carnatic upon the throne of Delhi ceased. On the death of the Nabob of the Camntic in 1749 the succession was disputed by Chunda Saheb and Mohanmed Ali, more commonly called Walla-jah. Walla-juh was supported by the Euglish, and through their exertions was established as Nabob of the Carnatic. Walla-jah was retained by the English as a subsidiary ally until his death, which occurred in 1795, when he was succeeded by hie son, Oomdut-ul-Omrah. In 1801 the civil and military government of the Carnatic was transferred to the East India Company by the Nabob Azim-ul-Omrah, upon the Company cugaging to pay him annually one-fifth of the net revenue of the country, and providing for the principal officers of his government. [Arcor.] In every part of the province there were formerly numerous fortresses, Many of the forts have crumbled to pieces, and those still visible are fast falling to decay, while the towns and villages have multiplied in number and increased in extent.
(Rennell, Memoir of a Map of Mindustan; Heyne, Mistorical and Elativtical Traets on India; Mill, Mistory of Éritish India; Reports of Commirrees of House of Commons on the Affairs of India.)
CARNEW. [Wieklow.]
CARNIC ALPS. [Alps; Austria; Carinthta.]
CARNIOLA. [KRAM.]
CARNLOUGH. [Antrim.]
CAROLINA, NORTH, one of the United States of North America, is bounded N. by the state of Virginia, W. by Tennessee, S. by Georgia and South Carolina, and E. by the Atlantic Ocean. It lies between $33^{\circ} 50^{\prime}$ and $36^{\circ} 30^{\prime} \mathrm{N}$. lat., $75^{\circ} 25^{\prime}$ and $84^{\circ} 30^{\prime} \mathrm{W}$. long. Its extreme length from near the source of the T'ennessee River to Cape Hatteras is 420 miles; its extreme breadth in the eastern part is 180 miles, diminishing in the western part to only 20 miles. The area is 45,000 square miles. The total population iu 1850 whs 869,039 , of whom 553,023 were whites, 816,011 coloured persons, and 881 Indians. The following table shows the increase of population and the proportion of slaves in this state since 1820. The total population in

1820 was 639,829 , including 14,612 free col. persons and 295,017 slaves.


The federal representative population in 1850 was 753,610 , in which number three-fifths of the slaves are included. This entitles the state to send eight representatives to Congress. To the Senate, like each of the other United States, North Carolina sends two members.
Coost-line, Surface.-The coast runs from the borders of South Carolina nearly east to Cape Fear, and thence in a generally east-north-east direction to Cape Hatterns, and thence nearly due north to the borders of Virginia. It cxhibitr a very peculiar character. Beaides Cape Hatteran it has two other projecting points. Cape Lookout and Cape Fear, which latter is on an island nbout eight miles in length and from one to three miles in width, called Smith's Island. By these three capes two open bays are formed, Onslow Bay and Raleigh Bay. Near Cape Fear is a deep inlet formod by the mouth of the Cape Fear River; but along the whole shore of Onslow Bay, an extent of 120 iniles, the fiat coast is lined by low barren sandy islands, or more properly mand-banks, extending parallel to the shore at a distance of about a mile, the islands themselves being from half a mile to a mile wide. This geries of islands is traversed by several inlets, which are not nevigable, except New Inlet by Smith's Island and Bogue Inlet in Onslow Bay, and these are practicable only for amall vevels. From the inlands extensive shoals cxtend far into the
dangerous character of the coast navigation. From Cape Halteras the shoal extends farther than from any other point, and the vicinity of this cape is consequently especially dreaded by the mariner; being generally regarded as the most dangerous part of the coast of the United States. Near Cape Lookout, and between it and Cape Hatteras, the same character of const contiuues, except that the islands are not so frequently brokeu by inlets, but continue in one place forty or fifty miles and upwards. The islands are also broader, measuring from one to two miles in width. But though along this coast the sandy islands extend in straight lines, the shores of the maiuland behind them are broken by numerous arms of the sen which penetrate to a considerable distance inland, and which like the outer sea have numerous shoals. There are also two extensive sounds, Pamlico and Albemarle sounds. Pamlico Sonnd extends from south-west by west to north-east by east 70 miles, with a mean breadth of 15 miles, and terminates inland in the wide bays of the Neuse and Pamlico rivers. It is conuected on the north-east witlr Albemarle Sound, and opens into Raleigh Bay by Ocracock Inlet, which nay be considered as the mouth of the soun.l, and has 14 feet of water at mean and only six feet at low tide. Albemarle Sound runs due west into the mainland about 60 miles by 10 miles in width; but it sends of lateral branches, especially to the north, which ruu from 12 to 15 miles iuland. Albemarle Sound has no practicable connection with the ocean. Extending northward from the mouth of Albemarle Sound is Currituck Sound, which is 50 miles long and from 2 to 10 miles wide. The peculiar character of the coast of North Carolina deprives it of good harbours, though there are several large rivers. Cape Fear, with 18 feet of water, is the deepest inlet that the state possesses.
The surface of North Carolina presents three well-marked natural divisions. The western portion, which is somewhat more than onefourth of its surface, lies in the Alleghany or Appalachian Muuntains [Alleghany Mountains], and is traversed by several of its ridges. To the east of them extends the higher terrace, or the hilly country, which occupies a little more than one-fourth of its surface. Between this region and the coast spreads the lower terrace, or tho level country, which comprehends uearly one-half of the state. The boundary-line between tho two terraces begius on the north at the Mundford Falls of the river Roanoke above Halifux, aud cxtends south-south-west to Smithfield on the Neuse, and to Arcrysborough on Cape Fear River, and terminates on thic river Pedee between Rockiugham and Sneadsborough.

The low country, stretching from 100 to 140 miles inland from the coast, exhibits two different aspects. Along the shore it is partly covered with extensive swamps and marshes, and traversed by muddy sluggish rivers. These swamps are said to cover an area equal to that of one-tenth of tho whole state. The largest of the swamps are near Albemarle and Pamlico sounds. Between these sounds is the Alligator or Little Dismal Swamp, which is of little less extent thau the Great Dismal Swamp, which lies to the north of Albemarle Sound and stretches into Virginia, and is 30 miles long and from 10 to 12 miles wide. In the centre of it is Drummond Lake, 30 miles in circuit. Tho swamps south of the Neuse River are of less extent, though several of them are from 15 to 20 miles in diameter. The principal are Dover, Holly, Shelter, and Green swamps. These swamps are the result of the tidee aud partly also of land-lloods; and may be compared to the Sunderbunds in the delta of the Gauges. They are mostly covered with high trees, especially cypresses, cedars, and pines; but are in parts covered with an almost inpervious growth of tall rank grass and herbage. The soil of the swamps is generally a soft bog, and is covered knee deep with water. The dry tracts of land which intersect the swamps and the parts which have been drained have in gencral a good soil, and much rice and cotton is raised on them. Between the swampy country and the hilly region extenis, in breadth 40 miles and upwards, a tract of sandy land which is mostly level; but in some placzs there are hills 200 feet above the adjacent country. The soil is sterile and the surfaco overgrown with pine forests. The rivers have a much quicker course than through the marshy conntry, aud along their banks the soil is better, aud the pines are replaced by oak, hickory, maple, beech, \&c. This part of the country is ouly cultivated on the river-bottoms.
The upper terrace, or hilly country, lying between the pine lands and the mountains, is at a mean several hundred feet above the sea, and preseuts an agreeable succession of moderate hills with gentle ascents, and of wide and extensivo valleys. The soil of the valeys is good, consisting of a black and fertile mould, aud yields rich crops of grain.
That portion of North Carolina which is within the Alleghany Mountains is an agrecable alteruation of hills and valleys. The mouutains form two ridges, of which the west is called the Iron Mountains (and part of it also the Stone and another part the Smoky Mountains) and the east the Bluo Ridge. Uoth are united at several places by short intermediate ridges. The highest summit is Blavk Mountain, the loftiest summit of the Alleghanies, which attains un elevation of 6426 feet. Roan Mountain is 6038 feet, Grandfather Mountain 5556 feet, and Table Mountaiu 3420 feet abnve the level of the sea. The Ararat or Pilot Mountain, east of the Blue Ridge, and about 16 miles N . from Salem, is a solitary pyramidal hill rising from a cumparative level 1550 fcet high; from the summit rises an almost perpendicular
column to the height of about 200 fect. The riven which rivo between the two ridgen run weat to the Tennewee River. The elera. tion of the whole country comprehended bet ween tise two moustain ridges is 1000 feet above the mas. The soil is in general fortile in grin.

Hydrography, Commwhientions-All tho rivors have rapids where ther pane from the hilify country to the low region. Their course sbove the rapids is rather swin ; but below them no other current ls obeerred than that producod by the tide, which moende to the mpides. They offer therefore an masy narigation up to the hilly country; but shinting sand-bers lavariably occur at their month, and they ane geocrally shallow; they are consequently only a vailable for vemsels of light draught

The Roamote is formed by two brancles, the Dan and Stanutou, which rise and unito in Virginin After their union the river runn south-east by east, and six reiles above Halifax formm the Mundford Falle Lower dowa its courso is excessively circuitons; it falls into Albemarle Sonnd. Ite conrme from the junction of the two atrums is I 150 znies. It is uavigabie nearly 30 muiles from its mouth for the remels which narigato the somnd, and boats of 45 tons can ancend to the falls, which are is miles from its mouth. A canal cunbles boats to paes round the falls, and the navigation is thus continued for bonts of 5 tons up to the Dan end Stanntoin. The Neuse rises in the centre of the upper terrace, and runs abont 200 milea, frrst montheast and then zonth-mut by east. Below Newbern it gradually spreads into a semiclreular bay, which opens into the wider expanso of Pamlico Sound: it is narigable for boats in the greater part of its course. Between the Roanoke and the Neuse is the Tar, which also enters Pamlico Sonnd, and is navigable for ressels drawing 8 feet of water up to Whahington, 30 milen, and for boats to Tarborough, 90 miles. Cape Fear River is formed by the confluence of Deep River and Haw Hiver, which rise in the northem part of the state, and unite at Haywood, in Clathan county. The Cnpe Fear River flows by a general course southeant for 250 miles, till it enters the Atlantic abont 10 mile N. froma Cape Fear. It is narigable for veseels drawing 12 feet of water to Wilmington, 34 miles from the sea; nud sioops may ascend to Fagetterille, which is 95 mile higher up. There are several other streasen, but none of any great importance, for purposes of communication; many of them are capable of being made laigely available for mechanical power. The ouly canals are the Dismal Swamp Canal, which with its branches is chielly used for lumbering purposes, and Harlow Canal, which unites the Neuse River to Beaufort. Some important works are however projected for the improvement of the narigation of the Deep and Cape Fear rivera

The total length of railways completed in North Carolina on January Ist, 1853, was 492 miles The ouly through line get finished is the Weldon and Wilmiagton railway, which unites with the Petersburg railwny running north, and the Seaboard and Roanoke line to Norfolk (Virginia) ; and at Wilmington with the Wilmington and Manchester raiivay, which connects it with the railways of Sonth Carolina : its entire length is 102 miles. The Nortls Carolina Central railway runs from the Weldon and Wilmington line, near Guiidsborough, through Maleigh, Hillsborongh, and Lexington to Charlotte, where it unites with the Sonth Carolina railways: its entire length is 223 milem. The Oaston and Raleigh line runs from Gaston, on the IRoanoke, to the capital, Raleigh ( 87 miles), where it jnins the Central line. At Gaston it is connected with the Grecnville and Roanoke line, which is 21 miles long, and joins the Petershurg line at Hicksford in Virginia.

Gedogy and 3 inerulogy. - The geological character of this ntato has been incidentally noticed under Alleghaxy Mockianss. The low country stretching inland from the const is of the tertingy and cretacoons formations, consisting generally of deposits of clay, marl, and sand, in which have been found the remains of extinct gigantio quadrupedn, an the mastodon, and large quantities of shells. Veins of limentone, copperas, and bog-iron also occur. Sir Charles Lyell amimilatom these ntrata to the English crag and the falnns of Tonsaine. Went of thls district are anica-schist and granite rocks, covered in parts with neconformable red-sandstone. According to Profemor Olmntead, who ham nende an official survey of North Carolina, the great shter formantion in about 20 miles wide, and runs from Gmavillo connty in a sourli-wertern direction across the state. Within thif dintrict occur numscrons beds of porphyry, soapstone, scrpentine, \& C. Connected witi thew formations are the carboniferons strata, which oceur chiefly in Chatlram, Moors, and Orange conntics, near the mbldde of the state, and afford valuable reins of bitmminous conl. Weet of the slato and coal dintricta is another belt of primary, silurinn, and quartziferou rocka, which rraclien to the Blue lidge, and in this belt occurs the celebrated North Carolina Gold leegion-prior to the remarkable dinooverien in Califormia the richent goid dintrict lat the Unitad Stater

The minernl wealth of this ntate in very cousiderable. The gold district of thin part of North America extenis along the foot of the eartem declivity of the Alleglany Mombains between $32^{\circ}$ and $38^{\circ}$ N. lat., and the riehert part of this dlatrict llew within the atate of Norli Carolina. The axis of the gold formation lime generally in a north eart and nonth-went directlon, and extende through the corntiea of Rockinghaw, Ciuildford, Daridnon, Rowan, Cabarra, Mecklenburg,
and Anson, all of whith belong to the hilly country or upper terrace. The motal is fonnd in wuperficial deposits and in rock-veine, and usually in connection with quuarts, but in alate, gueios, and granite atrata The mperficial deprosita geucrally jieid the richest ore, in the decper veins the gold requiring much trouble to extract from the arulphurets with wlich it is cornhined. The gold is found in smanli faten and graina, and also in lmaps of from 20 to 30 ounces: lumprs of 4 lbw . weight have occasionally been found, and on one occasion a man was obtained weighing 28lbe. No authentic nceount has been readerell of the quantity of gold annually obtnined; It has boen cetimated at between three and four militions of dollam, but the entiuate is of little ralne owing to the fact of a large part of the gold being purclinsed on the apot by dealera for manufacturers and othern, while a good deal passen into tho banks as deposita, and a good denl more circulates tbrough the mining district, the smaller grains being put into goosequills and etnployed as currency; and no return of theso nanounts is pade. The quantity converted into coin at the mint of North Curolina, thongh considerable, affords a very inanfficient indication of the entire quantity obtained.
Irou-ore is found extensively, and largely wrought, especially in the countien of Rockingham, Stokes, Surrey, and Lincoln, when it occurs chicfly iu the form of maguetie oxide; in the vicinity of the Dcep River it is found overlying the coal, and consequently in the nuost adrantageous situation for smelting: it also occurs in the form of argitiaccous iron-ore, and as bog-iron. Copperas and plumbingo aro found in some places.
The great coal deposits are believed to occupy an area of 150 square miles. The region which has been most thoroughly examined occupies a length of 15 zailes and a breadth of from fire to six miles, chicfly in Chatham and Moore countics and along the valley of the I)cep River, one of the principal afluents of Cape Fear River. The beds of coal average upwards of seven fect of thickness, and afford both hitnminous and anthracite coal of the best quality. Conl is also found in some other parts of the state.
Climate Soil, Agriculture. The climate varies in the three natural diviaions of the state. In the mountain region the frost sometimes lests three or four months; but is not much felt in the hilly country, and stiil less ln the low plain. The summers are hot and sultry in the plain; and the cxhalations from the swamps render it unlealthy from June to October. In the hilly region the heat is moderated by cool breezes. The changes of temperature are suddon and frequent, a cold night being often succeeded by an intensely hot diny. The climate of the mountains is very temperate and healthy. The average range of the thermometer at the University at Chapol Iilll, 27 miles N.W. from Raleigh, is $86^{\circ}$ Fahr., the greatest heat being $96^{\circ}$, the lowest $10^{\circ}$, mean temperature $59.7^{\circ}$. The average number of rainy days in the year is 98 , of cloudy days 333 , of clear days only 32. (Fisher.)
The difference of the climate influences the agricultural products. On the hot plain cotton is the staple production; rice also is exten. sively cultivated, and indigo to a small amount. Farther westward these crops are superseded by wheat, maize, and other species of grain, as well as by fax and tobncco. In the mountain region grain is the principal object of cultivation. The fig-tree and the peach gencraliy succeed; and in the western districts apples and pears are plentiful. The pine-forests occupy a vast space, covering nearly the entire eastern section of the state. In the swamps the pine attains an immense bulk, while long spongy mosses hang in clusters from the limbs. These forests produce a large amount of lumber for exportation, and also yield a great quantity of turpcutine, tar, and pitch. Cedars and cypresees abound in this low part of the country. In the hilly districts the prevalent trees are the onk, cim, walnut, cherry, lime, \&c. The maple and popiar are indigenens throughout the state. Among the wild-growing plants are the ginseng, Barsapariila, myttle, and augar-maple. The wild vine is found all over the country, and iu some parts the vine has been successfnlly cultivated
In 1850 thicre were in the state $5,453,977$ acres of inproved farmlands, and $15,543,010$ acres of unimproved laud attached to farms, which together were valued at $67,891,766$ dollars. The nuubber of farms nuder cultivation on the Ist of June, 1850, wan 56,916 . The total produce of the principal crops $\ln 1850$ was an foilows:- Whent, 2,130,102 bushels; rye, 220,563 bushels; maizc, 27, 041,051 bushels; oate, $4,052,078$ buabels ; potatoes, $5,098,444$ buthels; rice, $5,465,803$ pounds; Lobncco, $11,984,786$ pounds; cotton, $20,539,600$ pounde Barley and buck wheat and peas and beans aro also raisod in considet allo quantities. The culture of Aas and hemp and the making of wine appear to bo declining.
The number of horses in 1850 was 148,693 ; of assen and mules, 25,259 ; milch coya, 221,779 ; working oxen, 37,809 ; other enttle, 434,402 ; sloeep, 6i5, $240 ;$ pige, $1,812,813$. The producte of animals were tinun retarmed:-Wuol, $970,378 \mathrm{lbm}$; butter, $4,140,290$ lbs. cheesc, $05,021 \mathrm{lba}$; and the value of anlmals slaughtered during the year, 5,767,800 dollars.
Wild animals weve fornerly very numerous, especinlly decr, benrs, \&c. ; but exeept wolves nnel wild cats few of them now remnin. In the upier country the wild turkey in atill cominon, and sometimen weighs from 2.5 to 30 lbs . Snakes occur everywhere ; siligntors inhabit the swampu and lower parts of the rivern.

Manufactures, Commerce, dec.-North Carolina is maiuly an agricultural state, but has considerable manufacturing industry. The cotton manufacture einploys above 1600 hands and a capital of above a million of dollars. The woollen manufacture is at present only small, but is steadily increasing. The iron manufacture employs about 500 persons. There are extensive tanneries, breweries, distilleries, potteries, soap and candle-factories, machine-works, carriage-factories, hardware works, and numerous saw and grist-mills.

The exports in 1852 amounted to 576,399 dollars, the imports to 300,438 dollars. The exports consist of live cattle, tar, pitch, and turpentine, lumber, Indian corn, cotton, tobacco, pork, lard, tallow, bees'-wax, myrtle-wax, ginseng, and medicinal roots and plants. A considerable portion of these are sent to South Carolina and Virginia to be exported thence. The number of vessels eutered at North Carolina in 1850 was 188 of 28,300 tous burden, of which 140 vessels of 19,185 tons were American, the remainder being foreign. The clearances in the same year were 274 vessels of 42,232 tons, of which 212 ressels of 30,739 tons were American. The total shipping owned in the state in 1850 amonnted to 45,218 tons, of which about 30,000 tons were employed in tho coasting trade.

Divisions, Towns, \&c. - North Carolina is divided into 79 counties. None of the towns are very populous. The following are the principal : the population is that of 1850 :-

Raleigh, the capital of the state, population $45 I 8$, is situated in $35^{\circ} 47^{\prime} \mathrm{N}$. lat., $78^{\circ} 48^{\prime} \mathrm{W}$. long., about 6 milcs from the Neuse River. It stands on an elevated site, and is a regularly-built town, having in the centre a square of ten acres, from which extend four main streets, 99 feet wide, dividing it into four quarters, and in the centre of each of thesc quarters are squares of four acres each, from which proceed streeto 66 feet wide. The state-house is said to be the finest building of its kind in the Uniou with the exception of the state-house of Ohio in Columbia. It is intended to be a copy of the Parthenon at Athens, but has the un-Grecian addition of a dome. The other principal buildings are the courthouse, governor's house, secretary of state's house, a jail, market-house, a stato deaf and dumb asylum, not yet finished, the grounds of which are four acres in extent, and several charehes. Tbere are scveral schools. Raleigh is a place of considerable business, and the centre of the railway system of the state. Ten newspapers are published in the town.

Nencbern, the former capital of the state, population 4722, is situated on the right bank of the Neuse River, 100 miles E.S.E. from Raleigh. The town is well built, and has a good deal of commercial activity. The Neuse is one mile and a half wide, and the Trent, which here falls into it, ia threo-quarters of a mile wide, and of sufficient depth to admit steam-vessels. The principal exports are lumber, naval stores, and agricultural produce. There is also a good inland trade. The town contains a court-house, jail, and four churches.

Witmington, the chief port of North Carolins, population 7264, is situated on the lcft bank of the Cape Fear River, about 35 miles from the Atlantic, in $34^{\circ} 11^{\prime} \mathrm{N}$. lat., $78^{\circ} 10^{\prime} \mathrm{W}$. long. The site is low, marshy, and unhealthy, but well adapted for trade. The harbour has a shoal at its entrance, but admits vessels of 300 tons burdeu. Tbe total tonnage of the district in 1850 was 15,198 tons. The foreign commerco during the same year was-entries, 118 vessels of 20,670 tons; clearances, 175 vessels of 31,098 tona. The public buildings are the courthouse, jail, and several churches. It has five newzpapers. The Wilmington and Weldon, and Wilmington and Manchester railways greatly facilitate the trade of the town.

Fayellecille, situated one mile from the right bank of the Capo Fear River, and 49 miles S. by W. from Ralcigh, ia one of the busiest towns in the state: populatiou 4648. The town is regularly laid out with atreeta 100 feet wide, and containg a courthouse, a United States arsenal of construction, and several churches. It has considerable trade in grain, flour, tobacco, and naval stores, contains cotton-mills and flour, grist, and saw-mille, and publishes three newspapers.

The only other places requiring notice are-Beaufort, a sea-port town and capital of Carterct county, 126 miles E.S. F. from Ialeigh : population about 1300. The harbour, which is safo and spacious, admits vessel drewing I 4 feet of water. The cntrance to it is by Old Topanil Inlet, west of Cepe Lookout. The town has a good consting trade. Charlotte, the capital of Miceklenburr county, population about I 300 , is situated between the Sugar and Little Sugar creeks. It is the centre of a gold mining district, aud contains a braach of the United States Mint. Besides the county buildings it containa four churches, and supports two newspapers. The South Carolina railway has its terminus here. Edenton, population 1607, is situated at the head of Eden Bay, where the Chowan opens into Albemarle Sound. It is the capital of Chowan county, and contains the usual county buildings. A good deal of shipping belongs to the place. Elizabelh City, the capital of Pasquotank county, standa on the right bank of the l'asquotank River, 20 miles above its confuence with Albemarle Sound : population nbout 800. Vcssels drawing 7 feet of water ascend to the city, and it has communication with tbe Hampton Roads by means of the Dismal Swamp Canal. It contains the usual county builrlings, and several mercantile establishments. The exports are pine lumber, shingles, and stavea, chielly for the West Indies. Three newspapera are published here. Elizabeth Town, the capital of Bladen county, population about 600 , is situated on the right bank of

Cape Fear River, 40 miles above Wilmington. It coutnins a court house, jail, \&c., and has a considerable river trade. Greensborough, tho capital of Guildford county, population about 600 , situated 75 rniles W.N.W. from Raleigh, contains a court-house, jail, and several neat dwellings, and supports two newspapers; here is the junction of the North and the Suuth Carolina railways. Greenville is the capital and situated near the ceutre of Pitt county, on tbe rigbt bank of the Tar River, 35 miles above its conduence with Pamlico River: population, 1893. It contains the usual county buildings and several good stores, and is a place of some trade. Halifax, the capital of Halifax county, is situated on the right bank of the Roanoke, abont 7 miles below the great falls, and at the head of the sloop navigation. A. canal is carried round the falls and continues tbe boat navigatiou of the Roanoke 130 miles higher. The Wilmington and Weldon railway adds to the commercial facilities of the town. Halifax is a place of considerable trade in cotton, corn, and lumber. The town is regularly laid out, and contains the nsual county buildings. Lincolnton is the capital aud stands near the centre of Lincolu county, on the left bank of the Little Catawba River, 178 miles W. by S. from Raleigh: population about 1000 . The town contains the usual county buildings, several large stores, and in its vicinity are some extensive cotton and paper-mills and iron-works. Oxford, population 1978, is tho capital and stands near the centre of Granville county, 39 miles N. from Raleigh. It coutains a court-house, jail, hospital, and market house. Plymoull, population 951, the capital of Washington county, is situated near the Roanoke, a few miles above its eutrance into Albemarle Souud, and carries on a large trade in lumber and the building of coasting vessels. Smithville, population 1464, on the left bank and at the mouth of Cape Fear Rivel, opposite Smith's Island, has a good harbour, and is a place of some trade. It contaius a court-house, jail, market-house, and several churches. Tarborough, ou the right bank of the Tar, 63 miles F. by N. from Raleigh, population about 700 , contains a court-house, jail, \&c. : steam-boats ascend the Tar to Tarborough. Washington, population about 1300 , is situated on the left bank of the Tar River, at its conflueuce with Pamlico River, Veasels drawing 9 feet of water can load and unload at its wharfs. There is a considerable coasting trade. The publio buildings are a court-house, jail, and three churches.

Government, Judiciary, Education, d.c.-The legislative body consiste of a Senate of 50 members and of a House of Commons of 120 mem bers. Seuators are chosen biennially in districts apportioned on the basis of taxation. Members of the House of Commons are chosen also bicnnially, not less than one for each county. An apportionment of both houses was made in 1851, and a new apportionment is to be made overy twenty yeurs. All free white men twenty-oue years of age, who hare been inhabitants of the state for twelve nonths preceding the election, vote for members of the House of Commols; but a freehold of tifty acres of land is a necessary qualification to vote for a senator. No descendant of a negro to the fourth generation is to be awcounted a white man or admissible to the suffrage. The governor is electod for two ytars by the persons qualified to elect members of the house. His salary is 2000 dollars a year, with the use of a furnished house. The governor, with the council of state, wbich is elected in the same way, forms the executive.
The revenue from all sources for the year ending October 31, 1852, was 366,728 dollars ; the expenditure was 249,254 dollars, being an excess of income of 117,474 dollare. The state debt is a contingent one arising from endorsements by the state of railway bonds, and amounted on November I, 1852 , to $1,230,000$ dollars. The militia of the state is composed of 79,448 men, of whom 4267 are commis-ioned olficers. Every white inale citizen between the ages of 18 and 45 years unless exempt by law, is liable to militia duty.
The judiciary consists of a supreme court, presided over by a chicf justice and two associate justices, who havo a salary of 2500 dollars each; and seven superior or circuit courts, each presided over by a judge with a salary of 1950 dollars. The judges of tbe supreme and superior courts are appointed by joiut vote of the two houses, and hold their office during good behaviour.
The instruction of the poorer classes is less attended to than in many other states of the Union. A board of literature was established is 1837 to devisc a plan of comuon schools, for which a fund had been prorided, but nothing effectual has yet been accomplished. There are in the state about 200 academies and above 800 common schools, which are attended by upwards of 18,000 pupils. The children of the coloured people are excluded by the laws from roceiving instruction. The instruction of the upper classes is better attended to. The University of North Carolina is at Chapel Hill, 28 miles west-north-west from Raleigh. It was iucorporated in 1793, and first conferred degrees in 1797. In 1853 it had 11 profeseors and 270 students; and a library of 13,700 volumes. A school of sciencc and art was attached to it in 1853. Davidsou College, in Mecklenburg county, founded in 1838, had SI students in 1853. There is also a Baptist Theological College. In 1850 there were in the state 1678 churches belonging to all sects, contaiuing sittings for 558,204 persons. The number of newspapers published in the state in 1850 was 52.
Mistory. - North Carolina is the site of the first English settlemeut made in North America; a small colony which was sent out by Sir Walter Raleigh to occupy the country granted to him by letters
patent, haring taken prowemion of a aite on the Ronnoke, In June 1585. The colonits howeror sufteral no much from the hostility of the In linas and from morreity of prorisiom, that afier a teme they limeame dlemonragel and reemiliarked for England July 27th 1580. A ahlp whlch had loeen ment in them with a mpply of provisions arrival a fow dave ofer thelr demarture, ami Sir lichani Grenville with tiree other ships aent out by Raleigh arrived a fortuight later. Greavillo 1 ff 15 znea with proviniona for two yeara to maintain tho settlement. lalelgh, as soon an pews of the ahandenment of the colony by the originul settlen arrived, ment out another colony, which landad on the Roannke in Joly 18S7, but found no other triece of the men whom Grenrl!!o had lof thero than a fow humnn bones ncattered on the bencl. The governor returned to Finglaud for diroctions as well an for further supplina leaving about 100 pereona at the mottlement. Ho was unablo to revinit the livanoke till 1580 , when he found the site of the settloment inolooed by atrong paliede, but no Inhabitants remalnod. Their fato wan never ancerinlinel; but there 1 s littlo donbt that they like the carlier eettlers fell rletims to the Indians. The firmt pernaneat aettlement wis mado in 1050 by mano whites from Virglnia After other aettlement the colony received a representative government ln 1667, two yeerm after whleh the constitution called 'Locke's Sobemo of Goremment' wha tried but soon abandoned. [Carolisa, Socra.] The preseat conatitatlon was adopted in 1770, and amondel $\ln 1835$.
(Colton, Statistical Gasetfect of the U'nited Svates; Darby, Vieso of the E'nited States: American Almanae; Syate Reports; Lyell, Elements of Ciology, and Travels in Nomth $A$ merica.)

CAROLINA, SOUTH, one of the United States of North America, in bounded F. by the Atlantic Ocean for 240 miles; N.F. and N. by the state of North Carolinn for 300 miles; and S.W. by the Sarannth River, whlch divides it from the state of Georgia, for 20 milear it lies between $32^{\circ} 4^{\prime}$ and $35^{\circ} 12^{\prime} \mathrm{N}$. Int, $78^{\circ} 25^{\prime}$ and $85^{\circ} 19^{\prime} \mathrm{W}$. long. Ins length from north to mouth on the meridian of the Sarannah litiver is 208 milen; ita width from the head of Tuguloo lifer on the west to the month of Little liver on thys east is 208 milea. The area is 24,500 mquare wiles. The total pppulation In 1850 was 668,507 , of wh un 274,567 wero whites, and 303.040 colourod persons. The following table shows the increave of the free and alare population aince 1820 . The total population in

1890 wes $303,-41$, lachuding 0.726 free col. persons and 238,$4 ; 5$ elares.
1830 , 351.185 ,
$\begin{array}{llllll}1830 & \text { " } 381,183, & \text { ", } & 7,921 & \text { " } & 315.401 \\ 1840 & \text { " } 894.398, & \text { ", } & 8,271 & " & 317,038\end{array}$


The federal reprementative population in 1850 wan 514,513 , in which no nber three-finlin of thoo alaves are included. Thin entitles the stato to retirn sis reprenentatlves to Cougrese To tho Senate, like each of the other United States, South Carollna sends two members.

Cuast-Line, Surfice--The general direction of the coast of South Carolina to nurtheast and mouth-west. The northern pretion of it, frmm the month of Littlo River, the boundary of North Carolina, to Winyaw Point forms an unbroken line of low sandy shore. South of that eape the shores, though low, are divided by a great number of Inlets, whleh are the mouthn of larger and sanaller rivers, that generally divide into several branches before entering the Atlantic Ocean, aud by their nomorous channels cut the mhores into islands, the surface of which in very little elevaterl above high tides. The principal of these ialnads are James'a, John's, Ediato, St, Helena, Port Royal, and Milton inlanda. Thene inlands are covered with forests of live oak, pine, and palmettnes, and yicld the black-seed or nea-island cotton. Formerly these islands were the haunts of alligators which swarmed is the inleto, and were covered with dense woods and rank herbage, nearly impenetrable to man. Now they are under cultivation mud well penpled. long mad beaches border the ialandn, and are the resort of thoumands of sea-fowl. The line of coast, though generally miforin w to conrse frompaint to point, in very irregularly indeated. The inleta divlding the lalauds क्ष well sa the rivers are comparatively vory ahallow, bat the rivers ln overy instance are deeper within than at their bara In two points ouly can the const be approached by Inres venaela. Ono place is Charleston Marbour, which is formed by the junction of two mmall rivern, the Cooper and Ashley, the channel of which whith renel of 16 feet dranght. The other is George Town at the head of Winyaw Bay, which simits vessels of 11 fect draght. D'ort Royal entrance, formed ly tho 13ruad River, the common metrary of enrae little ereeks Into which the tido ascends to a conmidembla diatance, also admits remeln drawing 10 or 11 feet of water ; and on one of the numerous lnlete which wind throught the labyristh of croeks and lelanda with which this portion of the const is chequered, Is nitnsted tho port of lieanfort, which is apacions, but does not afrit vemeln no largo an thome which enter Charleston IVarboar; the place moreover is very unhenlthy and fow veemola enter the port St llelema Sound la nearly 8 mile wide, and runs 10 or 12 milan Iniand, but it in far too ahallow and too much benet with ahomla to atmit resele of emn morlerate tonnage. Stone Inlet bas O or 10 feet of water, but in selfom umil.

Sonth Carolina, like North Caroling, exlibits threo dificrent rifion The mont wenterts dlatricts are covered with ridges of moun. tans and hlli whlch belong to the Alleghany nyitem. Fant of this moumbla region extend the billy country, which in followed by a low
plaln thut upreadm ovor tho exhtorn districts of the atate to the ocean. Thut the proportion of the murface belonging to each of theme regions differs conaiderably from that of North Carolina. The low jlain emprobeads little more than one-fourth of the whole, and the remainder in almoat equally divided between the other two regions. The line which mepmenten the plail from the hlly resion preses from Sneadnborough in North Carolina to Camden on tho Wateree, and thence to Colunbia on the Congaree, or to the jnuction of the Saluda and liroad rivers, and torminstas on the Savanmaly at Augnsta.

The plaln along the mea-whore, which extendin from 80 to 100 milles inland, is a uniforn level. At Its wentern border it has an lanpercoptible meceat to about 200 feet above the nes. The soil, which on the arrival of the liaropeasas wis covered with ireen, but ls now nearly dovoid of them, in in genornl barren, consinting oither of rend or a Ilght blackiah earth; but it in intomected, eapecially along tho risers, by fertile treots which yield rich cropn, especially of rice A portion in covered with numerous mwampa and morasses, which though not so extensire as in North Carolima, cover an area of 2000 aquare milea; they are ovargrown with heavy timber, such an oak, auh, aud cypreat On one sirle of all the rivera, and geucrally ous both, the margin la a swamp from half a mile to three milen in brendth.
To the wrat of this plain stretches a chain of sandy hills from 20 to 40 miles in breadth, beginning at the upper course of the river Pedee in North Carolina, and oxtonding across the ntato to the banks of the Savannah. This tract, kuown as tho 'Midille Conntry; produces nothing but small jine-trces and aome shruba, except in the narrow valloyn, to which the vegetable mould has been carried by the rains, and which are very fertile. Some of the sand hills are 200 feet above the adjncent valleys. In this region the rivers form raplds. The country farther weat, known as the "Ridge," risos somewhat precipitonaly from the Diddle Constry; it is agreeably brukun into hill and dale, and loose stones and rocks frequeutly occur on itu wurface. But the valleys mad the lower deolivities of the hilla lanve a fertile black soil which produce good crope of grain. The more elevated parts of the hills are corered with onk and other hard troes. The hilly country graiually rines iuto mountains, which at the western extremity of the state attnin a considerable lieight, the Table Rock is Pendleton being 4000 fect abore the sea. The country between the ridges and mountains may at a menn rise to 1500 fect abova the ses. The soil is thought not to be inferior to that of the hilly tract, even the greateat part of the heights being covered with tall trces of hard wood. When it is cultivated it yields good crops of corn

Hydivgraphy, Communications. - Sonth Carolina is very well watered, its rivers beiug uumeronm, and some of considemble length. But though their volnne of water is comsiderable, and of grent valuo for uechanioal power, only two of them are fit for unvigation in their lower courses, and even these only for small river bonts, on acconnt of their shallowness. But an the tide ascends to the sandbills their navigation is easy. Hipher up aumerous rapils render the transport of goods tedion, difficult, and expensive. The priucipal rivers are the Pidee, the Santee, and the Savanumh.

The Pedee, usually called the Great Pedee, risos in the Blue liidge in North Carolina, $86^{\circ} \mathrm{N}$. lat, and between $81^{\circ}$ and $82^{\circ} \mathrm{W}$. long., and is first called the Yadkin. It flows first north-east by enst and then turns abruptly to south-south-enst, in which direction it traverses the gold regiou of North Carolina. Iu South Carolina it continues in the same direction till its juuction with the Little Pedee, whence it flows sonth-south-west to the port of Georgetown, at which place it 18 called Winyaw Bay, and forms a wide eestnary. It is navigable for 200 miles by river boats of 60 toms burden. The Liflle Pedec rises in North Carolina; from its entrance into South Carolina it flows south-east to its confluence with the lumber liver, whiol isaues from the marsh district of North Carolina, when it turns to the nouth-west, but some distance lower again turns sontheast to ita junction with the Great Pedec 32 miler above Winyaw Bay. The Grent Pedee is joined by eeveral other tributaries in its course through thin stato, of which perhaps the most important is Iynclis Creel; which after a gonerally south-south-enstern course of 125 miles from its rise in North Carolina falls into the Great Peclee on the right bank, about 30 tailes higher than the Little l'edee. Lyucla's Creek in navigable by bonta for about 60 miles. The santec is formed by two great brauches, the Wiateree aud the Congaree. The H'aterce rises iu North Carolina, a little went-sonth-west of the source of the ludkin, and is there called Catanba It runs firnt east, and then aouth-nouth-east, in which direction it contiuues throngls sonth Carolina to its junction with the Congarec, having flowed more than 150 miles. It in asrigable for bonts of 70 tons burden to Cumden, abore which town are the Catawba Filla, where the river in a mile and a laalf descends 90 feot; but an the falln may now be avoided by a comal cut along the rlver, called the Whatorec Canal, it may be ancended much biglaer, at loant by river-boats. The Congaree, tho other great branch of the Santec, la furmed by the confluence of two rivera, the Broad River which risen In North Caroliur, and the Saluda which taken its origin near the Table Rock, in the most western portion of South Carolind. $13 y$ thelr junction near Columbia the Congaree in formed and to thin point veasels of 70 cona burden may ascend. The Congaree, runulng in a curve to the soutt-cant, unites with the Waterce, from which point the river is called Santec. It flows frat mouth-anst, and then turns by degreen to the onst and is navigable for large barges
and steam-hoats, but its mouth is shallow. Its course considerably exceeds 250 miles. All these rivers have numerous afluents. The Savannah, the noblest of the rivere, belongs equally to this state and Georgia It has its farthest bra :ches in the uortli western district of South Carolina and tbe north easteru parts of Georgia, and forms, duriig all its course, a distance of 250 miles south-soutb-east, the houndary between both stales. It has 17 feet of water on its har, and is navigable for large ressels to the town of Savannah, 17 miles above its mouth, and for river-vessels and steam-boats to Augusta, ahove which town some rapids occur. The tide ascends about 45 miles: the average fall from Augusta to its mouth, a distance, including the windings, of about $250^{\circ}$ miles, is about one foot a mile. The Edisto is formed by two confluent streams, the South and the North Edisto, which risc in the western part of the state, and after being swelled by numerous small affluents unite near Branchrille; the Edisto then flows east-southeast to its junction with the stream which flows through Four Holes Swamp, when it turns to the south, in which direction it continues during the remainder of its courso. Sonie distance abore its outfall a branch divides from the main stream and forms Edisto Island, which is 12 miles long, and from one to five niles wide. The Edisto is navigahlo by large boats for 100 miles. There are several smaller rivers iu the southern part of the state which, though their muiths are obstructed by bars, are navigable by
riccr-boats for a few miles. Anouy theun are the Aslley which issucs river-boats for a few miles. A Anong thena are the Assley, which issucs from Cypress Swamp and is navigable by schooners for 20 miles above Charlestou; near which city it joins Cooper's River, which is navigable for 30 uniles, and is counected with the Suntee by a canal: the Coosauwatclie and the Comlahee are also naxigable for a short distance. Desides these rivers therc are several short canale, snch as the Santee Canal, extending from Charleston Harhour to the Santee liver ; tho Winyuw Canal ( 7 milea), which connecta Wiuyuw Bay and Kinlock Creek; the Saluda Canal, from Saluda Shoals to Granby Ferry ( $6 \frac{1}{3}$ miles); firc canals cut for the improvement of the navigation of the Catawba River: and a few inore of a sinilar kind. Accorling to a statement of Governor Seabrook, South Carolina has uow, ajurt from the creeks aud inl. ta of the sea, an inland uavigation of 2400 miles.
South Carolina was tbe first of the southern states to alopt the railway system. The lines of railways counpleted in this state in 1853 amonnted to 649 uniles. The South Carolina line commences at Charleston and terminates at Hamburg ( 137 . miles), where it unites with the Georyia railway. It is connecteel with the railways of North Carolina by the South Carolina and Cluarlottc railway, 109 miles long. The Greenville and Columbia liue, which conneets the towns of those names, is 114 miles long. The Wilnnington and Manchester line connecting Mancheater in South Carolina with Wilmington in North Camlina is 115 miles loug. Beesides those there are the Columbia and Branch villc, 67 miles ; tho Camden Branch, 37 ruiles ; King's Mountain, 32 miles; Laarenn, 15 miles; Anderzon Branclh, 13 miles; and Abbeville Branch, 12 miles. Scveral extensions of theso liues, as well as entirely new lines, are in progreess or projected.
Goology, Afineralogy, dec.-In its general geological character this state resembles Norti Cabolisi. There are first the low alluvial tertinry plains bordering the Atlantic, which rise into the cretaceous rocks of the mildle cointry; and then west of these the belt of slate rocks running still farther weat into the primary formations of the mountain district. The low country is wholly tertiary, consisting masinly of sands and marly clays, with veins of burr-stone and white limestone. The burr-stone and limestone aro stated by Lyell to bclong to the Eoceno period. In the allnvinl strata have been found numerous remains of mastodons and other extinct gigantie quadrupeds, and vast numbers of shells occur in the Eocene strata. Thbo claye aiford good fire-clay and excellent materials for the manufactnre of pottery and bricks. The rocks hctween the clay-slate aud new red-sandstonc, among which are the valuable carboniferous strata of North Carolina, are entirely wanting in this state. The gueiss rocks afford excellent huilding stones, brt the slates do not generally split well. Several quarries of 1 romising unicr-slate hisve however becn opeued. Beds of fine eoapstone, whetastone, \&c., occur. Within the series of metamorphic rocks occurs the continuation of the auriferous veins of North Carolina The granitic rocks afford excellent building materials: amoug the fiuer snits may he mentioned the revl granito of the ueighbourhood of Columbis, and the porpliyritic granites of Camden and Bufalo Creek. The $\begin{gathered}\text { nienites of Abbeville, Fairfield, and Lexington }\end{gathered}$ are enid by Profcasor Tuomey to be very beantiful. Accorling to the same anthority, the white and varicgated marbles of Spartansburg aud Laurcus form excellent materials for huilling and ornamental purpores; and porcelain earth abounds throughout the primary region wherever the feldspathic granite is found in a state of disintegration. The indlecomposed feldsppr of tho granites also affords a good glaze for pottery.
Among the minerals of South Carolina gold occupies a prominent place. The reins have been for some time worked to advantage, phough the yield is considerahly loss than in North Carolina. The largest quautities bave been obtained by washing the river deposits, but lumps or nuggets of $n$ good size have becn obtained by digging. Iron-ore of very fine quality is said to ahound. Copper and leand have beun met with in emall quantitices, Conl is not found in the state. Red and yellow ochres of superior quality abound in Chesterfield dis-
trict. Many of the precious stones are found in various parts of the state.
Climate, Soil, Agriculture.-Tbe climate of the low plain is very hot in summer, hut comparatively mild in winter. Snow seldom falls year the sea, and is soon dissolved. The tbermometer ranges between $17^{\circ}$ and $93^{\circ}$. In the months of July and August the country is deluged with torrents of raiu accompanied by hurricesnes, thuuder, and lightning, aud the air is loaded with noxious vapours which generate bilious fevers and other diseases. The driest months are April and May, which are also the healchiest, but Novemher is considered the most agreenble. The cold weather seldom hegins bofore December, and terminates in March. The temperature is liable to sudden and great changes. "It is not uuworthy of especial remark," observes Governor Seabrook, "that the atrmosphere of the swamps and marshes, so poisonous to the white mav, are at all times innocuous to bis slave. If it were not for this merciful provisiou of an All-Wise Being, the alluvial region of South Carolina in the immediate vicinity of its water-courses would soon become a dreary wastc, and tenanted only by the heasts of the forest." In the upper country snow and frost occur annually, and the suow is sometimes from 12 to 18 inches dcep, and remains on the ground for weeks and even months. The thermometer ranges in sinmmer between $65^{\circ}$ and $85^{\circ}$, and sometimes rises to $94^{\circ}$ and $95^{\circ}$. In wiuter it ranges betwcen $20^{\circ}$ and $\varepsilon 5^{\circ}$, and falls to $10^{\circ}$ or $11^{\circ}$ during the greatest cold, which lasts but a few days. But this country is healthy at all seasons. Hurricanes sometines cause great damage in the lower country, and earthquakes are felt from time to time, though not frequently.
Respecting the soil, \&c., of this state, we cannot perhaps do better than quoto the official staternent of Governor Sexhrook:-"The soils though of every kind may be said to comprehend six varieties, each the hest suited to a certain crop, yet all of them capable of advantageonsly producing thre-fourths of the vegetable products grown in its limits. While local differences are everywhere observable, tbe surface and eoil of the upperdistricts present a great similarity; and this is equally true of the lower districte. In the former the lands are broken and hil $y$, in the later tevel; onk is the natural growth of the one, pine of the other. Clay is the soil of much the largest portiou of the state, and, except in tho inmediate vicinity of the ocean, is aloose the universal suhstratum. A close stiff land predominates generally in the parishes south-east, and au open sand on the seaielunds. The highlands of the country above the falls of the rivers are naturally much supcrior to those of the pine-covered region, but the alluvial bottoms of the formor are greatly surpassed iu richucss by the river swsmps of the latter. Iu its capacity for permanent improvemeut, the granite half of the state has heen more highly faroured by nature than the alluvial. This is maiuly ascribable to the open texturo permeable to water of its clayey subsoil, and the potash in the soil and subeoil, formed by the decomposition of the feldspar and mica of the granite. In a few localities however tho depth of the substratun snd its proximnity to the surfice offer serious ohstacles to its higher productions. These among other causes seem yet to be operating against the cultivatiou of perhaps the greater part of those peculiar soils known as the 'Flat Woods' of Abbeville those in the neighbourhood of Dutchman's and Wateree ereeks, in Fairfield, and the Black Jack lands of Chester. Deriving their fertility irom the hornblend disintegrated rocks, which lie helow the close clay subsoil, it would appear that steady industry, incited and directed by ordinary skill, was alono wanting to preserve and perpetuate tho uncommon productiveness which, iu spite of long-continued and improvident tillage, still distinguishes thesc remarkable tracts of land.

The swaurps, covering 2000 square miles of land of inexhaustible fertility, aro capable of thorongh and economical drainage and couversion into active and available capital. The pine-lands, embracis. $0,000,000$ of acres, constitute the most neglected portion of the state
yet this is in all its relations a district of country of unmeasurable value.
"The natural means of resuscitatiug the soil are abundant and widely diffused. A largo portion of the lower country shows exhaustleas beds of the richcst marl. Limestone, though oitainable only in York, Spartanshurg, Laurens, and Pickens, exists in such quantities in the fist two districts, that hy railroad communication the entire primitive region will at no distaut day be furnished with this earth, so essential to the uutrition aud development of plants. While the sca-shore parishes possess unfailing supplies of salt mud, salt grase, and shell marl, two-thirds of the state are most amply furnished with swamp, mull, and peat.
"The botany of tho state cousists of about 3000 species of plants ; of these 2000 are flowering, and 1000 unprovided with flowers, as parts of their orgaus of fructification. In relation to the former, ahout 65 are naturalised-that is, foreign plants introduced and now growing wild. There are about 150 grasses, of which 15 are native; 30 species of esculents (for man), of which threc or four are naturalised, and about 70 more used in medicine, agriculture, and the arts, of which five or six are naturalised."
Thic principal objects of agriculturo in the low plains are rice and cotton, the latter being also cultivated in some districts farther inland. The finest cotton known to commerce is that grown on the sea-islands. About three-fourths of the rice raised in the United

States are grown ln South Carolina. The unvamenno ls onls grown with alvarago in the llenufort dintri-h winich forms the mont suthern gart of the utale. The fruite of the sea-coast aro those of tho wouttern countries of Fiuropo-orwages, lemons, poluegranntem, olive. and fige in the upper conntry all the graine and regetabies of Fagland are growu, with maize in addition. The fruits aro also those comunon in this country. Tobmcoo, indigo, and hemp were once atapie products, and toburco is atili grown rery largeiy. liope, memam, Acc, aro alvo cultivated. Among the wild piants the ginmong. Fentlaneroot, and was mystle maj be noticed. The fureate contain many fine Limber-trees, eepeciaily onk, beech, and hickory.
On June 30 th 1850 there were in the state 29,609 farms under cultivetion. The improvel farm-lands amounted to $4,072.651$ acren. nnimproved huds $12,145,049$ meres, valued together at $82,431,084$ dollam. The princlpal grain erope in 1850 were, in bushels:- Whent $1,068,2-1$, Je 43,690 , maize $16.561,454$, and oats $2,322,155$. The rice sained in the same year amounted to $159,930,613 \mathrm{lbs}$; peas and beane, 1.026,900 lushels; potatoes, 136,404 busireis, and sweet potatocs, 4,357,409 buahels; mugar, 671,200 ibs; cotton, 182,396,400 ibs, baing in increanc of $70,086,120$ lbe over the cotion raincl in 1840 ; tobaceo, $74,285 \mathrm{lbn}$; liay, 20,205 tons; wine, 8880 gallous.

The domestic aninunis aro thore of Europe; black cattle are the most abundant Many of the wild animals with which the country formerly abounded hare disappeared; but still there are fousd in tije mountainops diatricts, and even in sotne parts of the lower country, deer, beare, wolven, wild cats. foxes, squirreis, rablits, racoens, oposrums, and polecats. The wild turkey is pretty common in the upper conntry, and the wild pigeuns come at ecrtain sensons in grent ummers. Severai kinds of serpents are known, among which is the rattlenake; but they become continually less numerous. Alligatorn abound near the head of tide-water in the rivers, and grow to a great size.

In 1850 there ware in the stato 97,171 horses; 37,483 mules and asses ; 183,2ft milch cown, and 684,439 other cattle; 235,551 sheep, and $1,065,503$ swine. The producta of animals amounted to:- Wool, 45-28s lbe ; butter, 2,981, 350 ibs, checse, 4970 ibe. The value of nnimals slanghtered during the year $\pi$ was $1,302,637$ dollare.

Mannfactures and Commerce-The manufactures are chiefly such as are required in an agricuitural conntry. The number of manufacturing eatablishments in operation on tite $30 t \mathrm{~b}$ of June 1850 , and prorlucing to the annual value of 500 dollars and upwards was 1473 , of winch 145 were in Eidgefieid districe, 156 in Ablevilie, and 141 in Inurens. Of these establishments 18 were cotton fnctories, cmploying 019 persons; 91 tanncries employing 204 persons; abl 6 iron works cmploying 155 persous; the iron manufacturo is confined to tbat of castings.
The commereo of South Carolina la very considerable, and chicfly centres in Caarlestos. The exports consint of cotton, rice, tobacco, inyrtlewax, and hides; and the imports of inanufactured goods, nnd the productions of the East and West Indics, with wines from the countries of Southern Enrope. Botlı tio exports and imports are ehiefly made tirongh the port of New York, so tint the South Curolina trade in chicdy coasting. The raiwaya which centre is Claricaton, sul the cxtenaive inland navigntion grently facilitate the cominerce of the stabe. Tho value of the exports in 1852 was $11,670,021$ doliars, the whole of which consisted of the produce of tho state. The imports anounted to 2,175,014 doilars-1,742,402 doilars in Americau and 433,122 dollars In forcign ships. The exports in 1851 were $15,316,5 \mathrm{~s}$ dollare, the imports 2,081,312 deiinm. The number of abips which entered in 1850 was 305 of 96,916 tons burden; cleared 375 of 125,052 tons. The total amount of shipping owned in the stato was $36,00^{7} 2$ tons, of which 7455 tons were propelied by stenm.

Divisioms, Towns, dec.-South Carolina is divided luto 29 districta, The principal town in the state is Ciarlfston, whici will bo noticed in sepante article; the capital is Coinmbia, which with nome of the other more linportant towns we notice here; the popuiation is that of 1850.

Colembin, the enpital, is situnted on the left bank of the Congarec, immednately below the confluence of the Saluda and Broad rivers, in $33^{\circ} 67^{\prime \prime} \mathrm{S}$. lat. $81^{\circ} 7^{\prime} \mathrm{W}$. long. : pplulation, 6060 . The town, which ataple on an clevated piain, wan lald out in 1787 on a rectanguiar plass, the etrects being 100 fect wide. The principal buildings are the sinte-bouse, which is 170 feet long and 60 fect wide, the dintrict bulldingn, the churehen, marketinouse, banks, ncademies, a state iunatlc
sylum, aud a jall. The buildingm of Coiunbin College are extensire, aylum, and a jall. The buildingr of Coiunbin Collego are extensire, but of no great archllectural merit: one of them is an obserratory wall snpplied with lantrumeuth There are two theological institutions in the cown. The dweiling-houren are mastiy of wood, but many are of brick. The hown is weli cupplied with pure water; and is conmilened in be very healthy. A good deal of tradeln earried on: the river is navigule up the the lown for boste of light draught; the Columbia Coinch, the Charlatto and South Cnrolian, and the Greenville and in a highly coltivated corn and cotton dintrict. Fire newspapers are jubiislied here.

Cander, on the lon bank of the Wieteree liver, 31 initem N.E. from Columbis, population about 1200 , in the cmpital of Kernhaw dintrict,
and containn the usual district buildinga, several churches, a masonie hall, a library, and an areanal. The river in navigable for boats of 70 tons, and the commorco of the place is further facilitated by the Cauden Branch of the South Carolina railway. Semo manufactures are carried on. Cam len is noted as the sceno of two engagernents in the war of independence; aud the mont conspicuous ornament of the town la a white inarbic snemorinl of Baron de lialb of revolutionsry colebrity, the foundation of which was laid by Lafayette in 1825. Folgefeld is the capital and utande near the centre of lidgefield rlistrict, of miles W.S. W. from Columbia: population, 2200. It containe courthouse, and the other nanul district buildiugn, and three or four churcbea; aud has a good local trada. George Tuscn, the capital of the district of the samo name, stands at tho upper cud and on the weat nide of Winyaw Bay: popniation, 2904. It is the next and indeed ouly other port of any consoquence in the stato after Charleston, but has counaratively iittle furcign commeree, though good cousting trade. The entrances in 1850 were 9 forvign vensels of 297 tons, the clearances to foreign countrien 24 vessels of 3655 tons. The vesseis of tho district, mainly cagaged in the constingtrade, amoun.ed to 2779 tons Stenmers ply regularly between George Town and Chariestom. The harbour admits vesmels drawing 11 feet of water. The principal buildings are the court-boune, jaii, and six churches. Greenrille, popuiation 1305, the capital of Greenvilie distrlct, standa near the eource of the Reedy liver, one of the upper aflucuts of tbe Snivda, 106 mijes N.W. from Columbin; it contains the courthouse, jail, uarket-honse, four churehes, and tro acadeunies. Hamburg, 73 miles IV.S. W. from Columbia, stands on the icft bank of the Savannah, opposite to Augusta (Gcorgia), with which it is comnected by a bridge 1000 fect iong, and n railway visduct : population about 2600. Hamburg consista of a iower town which ies by the river and contains the business houses, and an upper town which stands back from and 60 or 70 fect abovo the lower town. Hamburg is an important cotton mart, and las $n$ large interior trade. Steam-bonts ply regulariy to the town, and the Sonth Carolina aur the Georgim railways connect here. Newberry, the capital of the Newberry district, is on the iime of the Greenville and Colnmbin raiway, 47 miles W.N.W. from Columbia: popniation, 1250. It contains the cenrt-honse, jail, six churches, and two academies; and is a wealthy and flourishing place. Il'innsborough, tinc cmpital of Fairfteld district, on tho Charlotte and South Caroina railway, of miles N. by W. from C. lumbia: popuiation, 1050. The town stauds on an clevated and healthy site; nud contains the district buiklings, which aro of a superior character, five churches, and four academios. A Baptist theological seminary, consisting of four handsome grauite buildings, is in the viciuity.

Government, Judiciary, dec-The legislative body is compused of a Senate and a House of lepresentatives. The senntors, 45 in number, are ciccted by districts and ly ballot for the term of four years; but half the number vacnte tiseir seats crery two years. The rupresenta. tives, 124 iu number, are choseu fer two jears. Every freo white male citizen 21 years of age paying taxea, or having a certain freehold qualification, and laviug resided in the state for two yeara, has a roto in the election. The cxecutive power is vested in a guremor elected by the joint vote of the legisinture fur two years, being the only governor of a state who is not elected by the people: his salary is 500 doliars a y car, and house-rent.

The reveuue of the state for the year cnding September 30, 1852, was 739,696 dollars; the expendituro was 359,013 dollars. The absolute dabt of the state was $1,014,438$ dollnre, and the coutingent debt $1,051,422$ deilars. The total property of the stato was $5,240,467$ dollars.

The militia consisted in 1850 of 55,209 men, of whem 2591 were commissioned officers.

The judiciary consists of law and equity courta of appeais, courts for corrcction of earors, and courts of commen pleas and general sessions, which take cognizance of ali civil and crimizal cases in which white men are coucerued. These courts are presided over by four chanceliors in equily and six juiges of generai sensions and com. mon pieas, who are appointed by a joint bailot of both houses, and hold their office during good behaviour, and ench of whom has a salary of 3000 doilara. For contracts under 20 dollars, magistrates courts have cxciusive jurisdiction. For tho trial of nlaves and free people of coiour for criminal offences, courts of magiserates and freeholders bave been estabjished.

In 1850 thery were in the state, belonging to ali denominations, 1163 churehes, which affurded aecommodation for 453,930 persons.

Of lato years the instruction of the iower classes has been attcuded to by the legislature. A sum of 40,501 doilars was appropriated in 1850 to the maintenance of a free-echooi system; and in that year there were 1023 pubiic schools, attonded by 9122 scholars. The eliddren of tise colonred people, comprising a considerabie majority of the chidren in tho stato, aro entirely destitute of eduention, the Inw excluding them from all instruction. The oducation of the mid. diing nand bigher clawes is much better provided for than in the noighbouring states. The state coilege at Columbin enjoys considerabie reputation: In 1853 it was alteuded by 120 students. Thero are alno a college in Charleston linving 70 students, a state medical college, threo theological seminaries, and two lenrned societies.

History, dec.-The first settlement of whites in South Carolina was about 1670 ; but the first permanent establishment was made in 1680 on the site of Charleston. . Previously to this, in 1662, Charles If. had granted to Lord Clarendon and seven others all that part of North America which lies between $31^{\circ}$ and $36^{\circ} \mathrm{N}$. lat.; shortly after the northern boundaries were extended to $36^{\circ} 30^{\prime}$. The proprietary government of Carolina lasted till 1719, wheu the two Carolinas were separated and a royal government was established. During the continuance of the proprietary government Locke's scheme or constitution was tried, but not found to answer. The present constitution was adopted in 1790 , since which date it has been twice amended. South Carolina was the scene of several serious engagements during the war of independence. Its more recent history has beeu alunost wholly connected with the strife of parties, and consequently only of local interest.
(Coltou, Statistical Gazetteer of the United States, 1853; Darby; Hassell and Smith; American Almanac, 1954; State Reports; Lyell, Travels in America, and Manual of Elementary Geology; Featherstonhangh, Slave States, \&c.)

CARPATHIAN MOUNTAINS; Karpaten; Krapacks. This great mountain range of Central Europe extends from the Danube at Presburg to the same river near Orsova in the form of a vast curve, with its concave side towards the south-west, and iuclosing all of Hungary that lies on the left bauk of the Danube and north of Transylvania. Its whole length pcrhaps exceeds 800 miles, for nearly one half of which it forms the watershed between the North Sea and Black Sea. On tho north and north-west the mountains slope down to the great level of Northern Europe: on the south to the plain of Hungary. Therrange lies between $44^{\circ} 23^{\prime}$ and $49^{\circ} 33^{\prime}$ N. lat., $17^{\circ} 0^{\prime}$ and $26^{\circ} 20^{\prime}$ E. long. Its crest scparates Hungary from the archduchy of Austria, from Moravia and Galicia; and Transylvania from Moldavia and Wallachia. In ancient times that portion of the range that lies north of Hungary was called Carpates Mons, and sometimes the Bastarnic Alps. It separated Dacia from Sarmatia.

The rock on which the castle of Iresburg in Hungary stands is the nost western point of the whole system. From this point tho mountains extend north-north-east towards the sources of the Morava and Waag, and between the two wide valleys in which these rivers flow. This range, which is about 100 miles in length by 16 or 18 miles in width, is of moderate height, not exceeding 2000 feet above the sea, and is called the Little Carpathians, or White Mountains. The declivities are rather steep and covered with forests. It is traversed by numerous passeg-one leads from Tyrnau on the Wang to Brunn; a second from Trentschin to Olmütz; and a third, the Jablunka Pass, at its northern extremity from Czolna to Teschen in Austrian Silesia

At the Jablunka pass the Carpathian range turns east, and continues in that direction from $18^{\circ} 40^{\prime}$ to $23^{\circ} \mathrm{E}$. long. Within thesc limits it bears different names. The most western portion is called Magura; the middle, Baba Gura; and the castern, Beazkid, though it scems that the last nane is frequently applied to all this range. Its length may bo somowhat more than 200 miles, and its width about 20 miles or somewhat more. Its height increases towards the centre; the Lisen Hora, the highest summit of tho Magura runge, attains only 4500 feet; - but the highest summit of the Baba Gura rises to 5760 feet. Between the north-weatern extremity of this range and the most eastern point of the Sudetic Monntains, which extend between Silesia and Bohemia, lies a plain of no great extent, traversed by the upper course of the river Oder; it has an elevation of about 1000 feet above the sea A road traverses this range from the vale of the Arwa by tho pass of Jordanow into Galicia, and learls to Cracow.

To the south of the Baba Gurn Mountains, and divided from them only by a deep and not very wide valley, hies the highest part of the Carpathian Mountains, called Mount Tatra. It is, properly speaking, not a range, hut one enormous rock, extendiug from west to east about 50 miles, and nearly 30 miles from north to south in the middle, but decreasing in breadth towards the west and enst. This rocky mass is furrowed by numerous deep raviues on all sides. Ou the highest part of its surface, whose average elevatiou is estimated at hbout $\gamma 000$ feet, rise several high summits in the form of peaks, of which some pass above the line of perpetual congelatiou. The highest is the peak of Lomnitz, which attains 8779 feet above the level of the sea The pak of Eisthal ( Ice Dale) is only about 36 feet lower, and on its northern declivity is the only glacier that occurs in the Carpathians. The number of peaks exceeding 8000 feet is abont twelve, among which the Krywan is ono of the most famous, though it cloes not exceed 8150 feet, and is lower than most others. This portion of the Carpathians presents gencrally bare rocks on its surface Where it is not covered with snow; it contains several small alpine lakes. This enormous mass of rock ia divided from all the surrounding ranges and massea by doep depressions From the Baba Gura Mountainn it is separated by the valleys of the Arwa and Donajec, which at their upper extremities, where they meet, hardly rise much more than 2000 feet above the sea. From the Beszkids, which extend farther east, the Tatra Mountnins are divided by the river Poprad, which surronnds the eatern extremity, and runuing north joins tho Donajec. The river Waag risen near the source of the Poprad, and running west separates the Tatra Moutains from the lower ravges, which extend farther south and west, and which from containing
numerous mines of metals are called by the Germans Uugarisches Erzgebürge (the Ore Mountains of Hungary). These Ore Monntains occupy a much larger surface than all the ranges already noticed, inasmuch as they extend over all that part of Hungary which lies to the north of $48^{\circ} \mathrm{N}$. lat., between the river Hernad (which rises near tho sources of the Poprad and Waag and falls into the Theiss) aud the bend of the course of the river Waag. Its most southern extremity, Mount Matra, stretches even south of $48^{\circ}$. Its length exceeds 120 miles, and its width 70 miles; hut the whole of this surface is not covered with mountaius: it preseuts only a few rauges running west and east, and separated from one another hy wide ralleys, which at some places might be called plains. The range nearest to the Tatra Mountains rises to a considerable height, Mount Dumbier attaining 6500 feet, aud Kralova Hola, at the source of the Waag, about 5 500 feet; but the ridges farther south are much lower, and their summits rarely excecd 3000 feet above the plain of Hungary, which is about 350 feet above the level of the sea.

The high country extending east of the river Hernad runs to $22^{\circ}$ E. long, due east: it then declines to cast-sonth-east, and where it approaches $49^{\circ} \mathrm{N}$. lat to south-south east till it reaches the sources of the Pruth, Suczava, and Theiss, a little south of which the Transylvauian portion of the mountains begins. The western portion of this elevated region is called Beszkids, but the whole is commonly comprehended under the name of the Waldgehürge (Forest Mountains) of the Carpathian range. In length it exceeds 200 miles, and its average width may be estimated at from 50 to 70 miles. The mountain masses do not rise to a great height, nor are the declivities steep; ou their upper surface they do not exhibit high peaks, but cxteud in uneven plains, on which a few elevations with a very gentle ascent rise considerably above them. Only two ranges, of no considerable length and height, hranch off from the Forest Mountains. One leaver the principal range between the sources of the Saan, an aflueut of tho Vistula, and those of the Dniester, near $49^{\circ} \mathrm{N}$. lat., $23^{\circ} \mathrm{W}$. long., passes south of tho town of Lemberg, and dividing the Russian governments of Vollynia and Podolia advances towards the Dnieper, on whose hanks it eontinues in a direction south-east to the cataracts hetween Kidak and Aleandrowska. Between the sources of the Pruth and those of the Sereth and Suczava, several lateral branches run to the north-east and east across the Bukowina; but they do not extend farther than to the banks of the Dneister and Pruth, with the exceptiou of one range, which divides these two rivcrs, and terminates iu low hills north of Kischeneff, the capital of Dessumbia, Iu Bukowina they aro called Czorno Mountains.

The most remarkable ridge, branching off to the south, is the Telkabanga Mountains, which are united to the main range at the sources of the Hernad and Bodrog rivers, aud run between these rivers to their junction with the Theiss, $\AA$ distance of about 90 miles. The average width does not exceed 10 or 12 miles, and its elevatiou is uot great, especially to the south, where it terminates with the hills, on which the wine of 'lokay is grown.

Two grent roads pass over the Forest Mountains. The most western runs north in the valley of the Bodrog, aud traverses tho mountains hetween Sztropko and Dukla by the Dukla Pass. The other road, farther east, unites Hungary with eastern Galicia, and the town of Munkacs with Leinberg, traversiug the pass of Vereczke.

The Lastern Carpathians, called also the Transylvanian Carpathians, stretch sonthward from the sourees of the Theiss and the Pruth, and aurpass the Tatra range both iu extent and elevation. They surround with their offshoots the high rugged platcau of Transylvania, Near the borders of the Bukowina and Trausylvania the mountains attaiu an elevation of 6834 feet in Mount Petrosch; theuce the main range runs under the names of Borazek, Kelemen Hahasl, aud Lipschen to the Bozza Pass, to the east of IKronstadt in the angle whero Wallachia, Moldavia, and Transylvania mect, and reaches in Mounts Budös and Butescz the respective elevatious of 9000 and 8160 feet abore tho sea. From the angle just mentioued the Carpathiau Mountains turn vest-south-west, separating Wallachia ou the south from Transylvania and the Banat. The eastern end of this part of the system is called the Fagarasch Mountains, the highest poiuts of which are Mouut Szural ( 7122 feet) and Mount Budislav ( 6888 fect). The average height of these mountains is about 5000 feet; they extend westward to the Rothenthurn Pass, where the Aluta breaks through the chain into Wallachia on its way to join the Danube. West of the pass the range continues in tho same direction under the name of the Hatczeg Mountains, which attain their highest elovation in Mount Retyczat ( 7755 feet). The termination of the range westward along the frontier of the Banat (the eastern part of which like the whole of Trausyl vania is traversed by its offshoots) does not exceed an avorage elevation of 3000 feet. At Orsova the Carpathian ridge slopes gradually down to the left bank of the Dauube, and is conuected by ledges of rock which form the last rapids in that river with a low offshoot from the Balkan on the Servian bank of the Dunubc.

Of the great offshoots of the Eastern Carpathians towards tho west, two are remarkable for their height and extent. One separates tho upper valleys of the Theiss and the Szamos; the other divides the basins of the Szamos and the Körös from the basin of the Maros; both of them contain some lofty summits. [Transylvania.] The principal offeloot on the eastern side of the Transylvanian Carpathians
runs betweeu the Jrath and the Serects, aud travernen in a eouthmer disucrion tho Bukowimand Moldaria
The principal pasees in the Eantera Carpathinas aro-the Borgu paes, whlch cunmecte the kesin of the Stamas wirb the Bukowlnm and the towns Bistrita and Suczawn; the Gymes Pame leadiug from tho sonrce of the Aluta into No'daria ; the thoze or Bousa l'es mouth. eant, the Tomos I'ass south, aud the Toraburg Pase south-went of Kronstadt in anthem Tranaylvanis which connect the town juit named with Wiallachia and Ifukharest; tho Rothonthurn Paw, which is traversed by the Aluta and connecta Hermanontalt with the Wallachisa town of lizsuik; aml the Vulklian, over whlch the road from Hatcerp in the ralley of the Syll, a feeder of the Jinoos, to the town of Krajorn in Litule Willachin, is carried.

To s height of beiween $\$ 000$ and 4000 feet the Carpathians are very generally corered with forsta; higher up they preeent baro precipitous rocl: which frequeally have a pyraminal forms.

The Cargathinne ane composed Largely of anndstone divensified by y furtzone deponim, clay-blate, and beds of limestone; greenmand cocors ab rare interrala, abd also massen of porphyry aud hornblende. Only an inconademble portion of the Carpathians is of primitive formation. Tatra Mountain aud the ridges south of it are composed of grauito greien, aud mica-slate. The Forest Mountaius consist Amost entirely of madetone and mlate, and contain ouly iron iu abnudance and a mall quantity of copper. The Trausylvanian Mounthine are composed chielly of mies mud clay-slate with marses of magrevian limestone and yensite iuterspensed. I'rachytic rocks occur in the northern part of the Einstern Carpathinns between Munkacz and Nous:adt. Sount Budon, in the south-east of Transylvanin aud near the point whore the Carpathians turn westward aloug the north of Wallachis, it of volcanio origin; its flanks are covered with suljhurous depanits.

The Carpathlan Monntains are rieher in metala than auy other mountain aymem of Enrope. Gold and silver are got from the mountain which surronnd the ralley of the river Gran, at Bocza, Kremnitz, Könlgaberg, and Schemnitz. Copper is very abundant, and occurs in numeroms places between the Grau aud Hernad. Lead is fonnd In great abundanee $\ln$ all the silver mines, and also in other placea. Irou occurs over the whole symtem, but more especially in the Forent Mouutains, and is worked with great advantage in wany places. Quicksilver, zinc, antimony, arsenic, and cobalt aro also oxtrected, and some of them in conaiderable quantity. Opals, chalcodouien, gnrmets, and other precious stones are found iu the distriet of S.hnosh, to the north of Eperion, in the valley of the Hernad, and alno near Tokny, Kremnitz, nud Kaschau.

Perhaps in no part of the globe is there mocls an extensive saltrock formation that which lies on the lower declivity of the north and north-east descent of the Carpnthian 3lo untains, begiuuing at the town of lijis? ieaks, south east of Cracow, and extending round the chain enst and sonth-east to the bouudary of Wnlluchin; its length caunot fall short of 600 eniles ; in width it varies very much. Its depth is conjectured to be upwarda of 120 fathoms, at least this is the depth at Wielicaks and Bochnia, tho only two placen where it ls worked by the Anetrian governwent. But in many other places malt is obtained by boiling the water of nalt-purings.

CARPENTARHA, GULF UF. [AUSTRALA]
CARPENTRAS. [VACCLESE.]
CAKHA'TAA, a town and terrilory of Italy, with the title of principality, is anuexod to the neighbouring duchy of Massa, both of which bolong to the Duko of Modena. The total anea of tho proviuce of MassaCarrara la 245 square miles, and the population in 1850 was $56,867$. The serribry of Carrara consints of about 80 square miles, mostly mountainous, but woll cultivated, and with a population of 11,500 inhabitanta It is bounded N. by the territory of Fivizzano, which belongs to Tnscany, E. by the duchy of Massa, S. and S.W. by the Minditerranenn, aud W. and N.W. by the proviuce of Luuigiara, which partly bolonga to Sardinia and partly to Mordena. It ex. tend In length about oight milen from the sea, to the summit of the Monte Sagro, N.E. from the town of Carrara. The Monto Siagro In $\$ 510$ feot high, belng one of the priucipal aumnits of the Alpo Apenna, a gronp of the Ligurian Apennines. From the soutli side of thin thountain novernl lower projections or buttresses cxtend to the mouth-weat, boing neparated froin cach other by nurrow valleyn, Irained by menall struan, wll of which naite near the town of Carram, nand form the Carrone, which fows past Avenzn lato tie sea, about three
milew bolow Carrarn Theso lower ridgen firnish the well. prown snilem bolow Carram These lower ridge firninh the welloknown quancien of unarble of rarions qualities, some of which is streaked with yurple or bloe, and is called Rarliglio. Sonse of these quarries were worked in the time of the llomanc. In the time of Augustus the marblen of Luse (for so they were oulled from the town of Luna, the ruius of which ere eeen sbout six milon S. W. from Carrarn) were employed in the buildingn of Inwe (Strabo, 1, 22, Camaub.); but the finer sort, for atatues, what disoovered about the tlme of l'ling, wheu
 till the $12 t \mathrm{~h}$ ceatury, when, tha republic of Misa baving taken pronsewion of this district, the works were resumed and furnlahed the
that time new quarrics have been opened fu succession. The various strams turn a number of mills for aswing the tuarhle. Tho prinsipial quarrios enploy 1200 workmen. The blacks are carried down in carta, drawn ly oxen, to the beach of Avenza, where the ntorehonses are, aud whence the marble in shippled on board the vessels that anchor in the randa
The name of Carrara is supposed to come from 'Carrarime, the suidiaeral Latin for 'quarrion.' The town, which contains abovo 0000 inlabltanta, is situatiol at a dintance of 60 wiles S . W. from Blodesan, and nowr the moutlo of tho A venza. It luas a finc colleginto church, begun in the 18 th c -ntury and finishod in the $15 \mathrm{th}_{\mathrm{l}}$; alno tho eburch of La Malunna delle Gruzie, rich in marbles, and that of S. Giacomo, anuexed to the homital, which has sonue good pajatiuge. The principal equaro in called Alberica, from the name of the firat prince of the house of Cibo. A colonsal atatue of the Duchess Beatrice d'Euto adorzss the squarc. In the town are alops for the male of common objects and ornameuts of marble, which are worked by antive artista. There is slso nu aendeny of drawing and meulpture, foumded by a former duchem of Masen and Modena: it linas a prevident and several professors, and a good collection of models Many foreign artists repair to Carram for tho mako of purchasia; the block which thoy requlre for their works, aud which arc ruughebewn on the npot. The Court of Appeal is at Massa, where the governor of the province of Masez-Carrara also resides. Avenza, the second town of the prius. eipalits of Carrara, has 1900 inhabitauta: it lies in a plain, ubout one mile from tho sea, the lower hills around being all planted with vinc and olive-trees. Thu high road from Genoa and Sarzana to Lucea and Pisa passes through Avenza. The principal agricultural produce is oil and wine; the corn raised on the territory is uot sufficient for onehalf of the consunptiou: the uorthern nountains are covered with chestnut and beech-trees, and pastures. Pellegrino Roasi, a distinguished Freach jurist, a peer of France, primo miniater of the Pope in 1848, was a native of Carrara. Ho was a masaimated as he was going to open the session of the Clamber of Deputies in Rorue, Nov. 15 , 1845, at the outbreak of the Roman revolution.

CAlRIRCK. [Arrsaine.]
CARRICK-ON-SIIANNUN, couty of Loitrim, Irelnnd, in the parish of Kiltoyhart and barony of Leitrim, wilh a small suburb in the parish of Killuken, harony of Boyle and couly of Roscommon, a market, post, and assizc-towu, aud the seat of a PoorLaw Union, lies in $53^{\circ} 57^{\prime}$ N. lat, $8^{\circ} 5^{\prime} \mathrm{W}$. long., 98 iniles N.W. from Dublin. The population is 1851 was 1366 , of whieh number 134 wers in linscommon county. Carrick-on-Shanneu Poor-Law Union eoburisua 25 electoral divisions, with an area of 100,786 acres, and a pupulatiou in 1851 of 34,821 . The town is situated ou the left bank of the Shanuon, where that river is erossed hy the leading road from Duhlia to Sligo. The appronch to the brilge is by a narrow lane diverging froun the main street, which terminates in an open space on the river hank. Here are arrusged the county jail, county cuurthuusc, and markethouse, adjoining a small floating deck above the bridge. Tho church and Roman Cotholic elappel ary on the north sido of the tuwn ; the barracks on the south. Here is also a sunall Methodist mecting house. Carrick-on-Shannon, formerly called Carmckdrumrusk, returned two members to the 1 rish Parlianent, but was disfranchised at the timo of the Union. The nesizes for the county of Leitrin sud quartersessions in rotation are held here. Carrick-on-Shammon is the bead. quarters of the county constabulary force. The town is in the Dubliu military district.
(Fraser, Ifandlook for Ireland; Ordnance Survey Map.)
CARKICK-ON-SU1R, county of Tipperary, Iroland, a market and pont-town, nad the meat of a l'oor-Law Union, chiefly in the parinh of Carrick-on-Suir and barony of 1 fib and Ofis Last, lies $\ln 52^{\circ} 21^{\prime} \mathrm{N}$. Hat., $7^{\circ} 26^{\prime} \mathrm{W}$. long., distaut 99 miles S.S. W. from Dublin. Tho population in 1851 was 6223 , besides 1259 iu the sworkhouse and other jub lic institutions Carrick-oh-Suir l'oor-Lav Uuion womprises 22 elec toral divisions, with aus area of 112,629 neres, and a pojulatiou in 1851 of $37,469$.
The principal part of the towu etands on the left or Tipperary bank of tho suir, and cousists of one long street parallel to the river, with two ntreats leading to the fair green on the north, mal suothor forming the ajpronch to tho bidige on the south. It was a jlace of cond. siderahle uote soon after the Conquest. Here are the remaiss of a fine castle built by sir Eidenund Butler in 1809 ou the site of an old priury of the knights of Si. John of Jerusalem. The same Sir licduuud, who was created Enarl of Carrick in 1315, built the bridge which is still shaudigg. Carrick-on-Suir was formerly celebratod for ita 月ourishing masufucturcs of woollens, Tho place is uow chiefly remarkablo for the fine scenery of its euvirous, which a lute intelligent traveller comeiders suporior to tho rale of Clwyd; i haa also been unfavourubly distinguisbed by the wrotcheduess of its pauper populaifan. 'l'he Suir han receutly been rendered aavigable to tho towin fur vessels of con. sidcrable burden. The public buldinga are the parish church, a large and handsouse Romms Catholic elajel, a monatery of tho Christian Brutherhood, a conveut for nuan of the l'reooutation order, a bride. Woll, bessions-houne, barracka, and fover hospital. Quarter seatom for the eouly of lipperary are held here in rutatlon.
(E'raver, Handbook for Irclund: Ordnance Surrey Map; Thom, Irish Almanac.)

CARRICKFERGUS, Irelaud, a eounty of a town, a sea-port town, and parliamentarg borough, is situated in $54^{\circ} 42^{\prime} \mathrm{N}$. lat., $5^{\circ} 47^{\prime} \mathrm{W}$. long. ; distaut 112 miles N. from Dublin, and $9 \frac{1}{2}$ miles N. from Beliast by the Carrickfergus branch of the Belfast and Ballymena railway. The population of the town in 1851 was 3543 . Carriekfergus returns ene memher to the Imperial Parliament. It is governed by town commissioners. The borough income in 1850 was about 821 .

The town stands on the north-western ehore of Belfast Lough at the junction of the small river Undhum with the sea, and is favourably situated for commeree and mannfactures. The houses are generally of stone sud slated. The principal street, called High Street, is terminated by the former county jail aud court-house. The county husiuess is now however transferred to Belfast. At the opposite end ef the main strent where it diverges, one branch leadiug to the quays and castle, and auother to the Belfast road, is the market-house, a respeetable building, erected in 1755. The parish chureh of St. Nicholas, an ancient and commodions erueiform edifice, is situated on rising ground on the southern side of the town. The ehancel window is of stained glsss, and represents St. Juhn baptizing Christ in the river Jordan. The old steeple at the west end of the building was taken down in 1778, when the present handsome spire was ereeted. The Presbyterisns, Independents, Wesleyan Nlethodista, Romau Catholics, and Unitarians have places of worship. On a rock projecting into the sea is the castle, an exteusive and imposiug pile. It is still kept up as an arsenal, and is mounted with heavy guns. A small picr projects from the southern extremity of the rock on which the castle is built, and incloses a dock where vessels of 100 tons cau lie at the quaj. Au extensire fizhery is carried on in the vicinity of Csrrickfergus. The town is not lighted, and water is procured frem pumps.

Carriekfergus Castlo is Eupposed to have been founded hy De Courcey ahout the end of the 12th ceatury. From the middle of the 14 th to the en 1 of the 16 th century it was the only rtronghold north of Dundalk which remained nniformly in the hands of an English garrison, and to the loyalty of the townsmen of Carrick fergus is chiefly to he attributed the recovery of the Northern Pale in the reign of Elizabeth. The castle was besieged sud taken hy Edward Bruee in 1315. 111 1386 the town was burned hy the island Scots, rnd suffered again in 1400. In 1555 the Seots, under Mac Donnell, lord of Cantyre, laid elose siege to the cnstle till July 15j6, when Sir Henry Sidney relieved the garrison with great slaughter of the hesiegers. In 1573 the town was burned by Brian Mse Phelimy O' Neill, ehief of Claneboy, who wis hanged here aloug with Mae Quillan, chief of the Koute, in 1575 ; the same year Sorley Buy Mae Dounell (a son of Mae Dounell of Cantyre, who had seized upon Msc Quillau's country a short time before) attacked the town and was repulsed with great loss. Sir Henry Sidney fould the place in a very iupoverished condition. The town had slready hegun to be walled with an earthen rampart in 1574 , and in 1575 the corporation sgreed witli Sir Henry to build a stone wall 7 feet thick and 16 feet high round a part of the town. The work however was not ccmpleted till 1608 , when after various delays the walls were finished with a wet ditch and seren bastious. In tho wars consequent on the rebellion of 1641 the inhabitants hsd their full share of the trouhles of the times. Ou August 29th, 1689 , it surrendered to Duke Schomberg, eommanding the army of Willism III. On Saturday June 14th, 1690, King William landed here in person, and immediately proceeded sonthward, ou that important campaign which at the Boyne decided the future prespects of both countries. On the 21st February 1760, Commodore Thourot arrived in the bay with oue 44 -gun frigate and two sloops of war, and having disenbarked about 800 men, attacked the town, which tugether with the castle lo carried after a smart aetion the same day. Five days later the Freueh forecs reemharked, having tuken a supply of vietuals and ammunition from Belfast, and were captured on the 23th off the Isle of Man, after a severe action with Commodure Eliot, in which Thourot was killed and 300 of his men killed and wounded. The last scene of riolence connected with the history of this reteran fort was the capture of the Drako, a British sloop of war, in the ruads opposite the town by Paul Jones, in the Ranger, an Am-ricin ressel, on the 2tth of April 1778.

Of the anticyuities of Carrickfcrgus the enatle is the most interesting. The castle rock, from which the town takes its name (meaning the rock of Fergus, an I rish king of that name, drowned there in paran times), rises gradually to an elevation of about 30 feet towards the sea, and is eutirely occupied by the works of the fortreas, cousisting of a donble ballium, or upper and lower yard, with batteries mounting about 25 pieces of cannon. In the upper yard stauds the keep, a square tower 90 feet bigh, formerly entered by an arehed doorway in the second story. The courthouse and jail occupy the site of a Francisean monastery, founderl here in 1232 by the famous De Lacey, who was buried within the precincta in 1264. Half a mile west of the town is the site of the priory of Woodburnc or Goodburne, on the banks of the Woodburne River, which has here some pretty falls. Part of the town wall and one of the gates are still standing.

The cotton trade was at one timo carried on with vigour here, but it has declined. There are threo extensive flax spinning-mills, a mualin bleach-green, and a lieen bleach mill and green in the vicinity. Some trade is also carried on in tanning, brewing, and distilling.
(M'Skimmin, History and Antiquities of Cavrickfergus, 8vo. Belfast, 1823; Thom, İish Almanac.)

CARRICKMACROSS, county of Mouaghau, Ireland, a market and post-town and the seat of a Poor-Law Uuion, in the parish of Carrickmacross and barony of Farney, lies in $53^{\circ} 58^{\prime} \mathrm{N}$. lat., $6^{\circ} 43^{\prime} \mathrm{W}$. loug., 50 miles N.N.W. from Dublin: the populatiou in 1851 was 2534. Carrickmacross Poor-Law Union eomprises 14 electoral divisiens, with an area of 60,664 reres, and a popnlation in 1851 of 28,207 .

The town is well bui.t of stone, and consists of one main street, on the line of road from Ardee to Monaghan, having the market-house in the centre, with two lateral strcets terminating in the Dundalk road on the east. Near the parish clurch are the ruins of a castle built here hy Robert, third earl of Essex, about 1621. The market-house was built from the materials of this castle in 1780 . On the western side of the town, hetween the main street and a small river, is one of the residences of the Shirley family, the principal proprietors of this district. There are in the town a brewery, malt-stores, and an extensive distillery. There is a large weekly market for cern and provisions.
(Fraser, Uandbook for Ireland ; Account of the Temrtory or Dominion of Farney, by E. P. Shirley, Esq., Londun, 1845.)

CARRON, [STIRLINGSHimE.]
CARSHALTUN. [SURREX.]
CARTAGENA, a town and sea-port of Spaiu, in the province of Mureia, is situated on the sherc of a bay of the Mediterranean Sea, in $27^{\circ} 36^{\prime}$ N. lat., $1^{\circ} \mathrm{W}$. loug., 30 miles S.S.E. from the eity of Murcia. The population in 1845 was 27,727 ; in 1786 the populatien was 60,000. The bay forms a natural harbour capacious enough to cuntain the largest fleets, and is eucompassed hy hills which shelter it finm all winds; the entrance is narrow, and is covered by a lofty island, La Isoleta, also called La Eseombrera: the depth ef water is 30 feet close to the shores. Forts and batteries on La lsoleta and ou the hills defend the harbour and tomz. The great arseual, once the largest in Europe, is now in a stato of dilapidation; the pavements are broken np, the long ranges of magazines and store-rooms are empty and deserted. The doekyards also, whence many of the great Spanish ships of war were launched, are now unoccupied, and the whole preseuts a scene of comparative ruin and desolatien.
The town oceupies the declivaty of a hill and a small plain which extends to the harbour. It is inelosed hy wa.ls, and near the ceutre the ruins of $a$ Moorish eastle erowu the summit of a precipitous hill, which rises ahove a large pilo of huildings called the Mariue Sehool. The town contaius some good streets, but all the pavements are in a bad state except that of the Calle Mayor, the principal street, which is paved with flat stones. A fiue red marble is used not only in the huildings hut for the commouest purposes, such as curb-stenes. All the old streets have a Moorish aspeet ; the houses are irregularly built, and inost of them have look out towers (miradores) ; the windows are generally small, barred with iron, aud where exposed to the sun screened with coloured matting. The csthedral is of Moorish arehitecture, and seems to have been a mosque; it is surmounted by a dume, and the iuterior consists of several small naves. There aro several other ehnrehes, a town-hall, a custom-heuse, a royal hospital, a theatre, and $a$ hull-arena. The town is unhealthy owing to an adjacent swamp, and the water is hrackish. It communicates with the river Segura by the Lorea Caual. The loss of the Spanish American colonies put an end to the best part of its commerce, aud what remained has mostly been trausferred to Alicaute. It has some manufactures of ail-eloth and glass, and expolts barilla. The tunnyfishery is valuahle, and the silver and lead mines in the neighbouring Sierra de Almagrera have of late years been re-opened, and are now wrought profitably hy several joint-stock companies.

Cartagens was a colony of Carthage, and was huilt B.c. 242 by Hasdrubal, the son-in-law of Hamilcar Barcs, and bis successor in Spain. It was nsmed Carthago Nova to distinguish it from the great city of Carthage in Africa. The Greek name was Kapxךס̄̀n y Nea, The old city seems to hsve stood on the site of the present town, was strongly fortified, and was 20 stadia in cireumference ( 2 miles, 50 yards). It was the great seat of the civil administration and military power of the Carthaginians in Spain. Here Haminal regularly established lis winter quarters, and here he received the amhussadors from Rome. It was takeu hy assault hy the Roman general P. Scipio (afterwards Scipio Africanus the Elder) B. C. 210 . Under the early Romun rmperers it was a colony, and had the full title of 'Colouia Victrix Julia Nova Carthago.' The mines were wronght by the Carthaginians and afterwards by the Romans, who are stated to have employed 40,000 men in them.
(Ford, Handbook of Spain: Haverty, Wanderings in Spain, 1843; Polybine, x. 10, 11, 15 ; Strabo, iii. p. 15\$.)

CARTAGENA, a sea-port in the republic of New Granada, on the northern shore of Sonth America, is situated in $10^{\circ} 25^{\prime} 48^{\prime \prime} \mathrm{N}$. lat., $75^{\circ} 30^{\prime} \mathrm{W}$. long., about 70 miles S .W. from the mouth of the Magdalena. The harbonr of Cartagena is one of the safest and most convenient in all America. It is formed by two islands extending along the coast southward and northward. The most southern island, called Tierra Bomha, is about two miles long and wide, and between it and the Cape Barn is the narrow entrance of the port called Boca Chica. The northern island is on an average hardly half a mile wide,
asil low, whilst Tiern lomber rises to modernte lieight. The entrance of the port in so unrrow that ouly one resel can enter at m time, aod as mone andbankn ocour in it a pilot in alwaye requlred. It is defeaded by two atrong castles. The harbour itself ls about six mile long; lto width varies from two to four iniles. It bas a suffeient depth of water and gool anchorage, and ita surface is as litelo agitated au that of a river.

On the northeru island and at the most northern conter of the harbonr is iltuated the town, on analy tract of land. It occupion the whole width of tho island, so that its north-western walls ntand on the beach, and the southenstern on the harhour. To the enst of the town is another low island, on which the suhurb, callod Xixiunani, stands: both aro connceted by a wooden bridge. Another hridgo unites the suburb with the mainland.

Tho town is regularly built, with straight but rather narrow strects, which are till inore uarrowed by the projecting balconies, so that they nearls exclude the daylight, and give the town aloomy anpect. Tho housea have commonly two stories, and are built in the usual Sparaish strle, with dead wall towarls the strecte, hut lnelosing a fine open space within, on which lofty snd airy rooms open, and which is aurroniniled by a corridor. The town is strongly defended, and on the land sicie surrounded by several fortresaes aud by a masaive citadel.

Among the pnblic buildings are several fine churches and seven convents. The immense cinterns situated within the walls of the town are justly admired by travellers, and tho water preserved iu them is excellent. The climate is lot and yellow fever often makes great ravages

The inhabitants, who amonnt to betreeu 19,000 and 20,000 , are mostly a mixed race, descendants of Spaniaria and Indian women. The majority are sailors and fishermen, but many are shopkeepers and meehanics.
The commerce of thin town was formerly consilleralle. But since the rorolution in Sonth America ita commerce is limiterl to exporting the produce of the valley of the Rio Magdalcua, nud importing tho unanfactured goods which aro coneumed in it, liven this trade has recently declined in favour of Siranilia, a small port a littlo west of tho wonth of the Magdalcus. The chief cxports of Cartagens are now confined to the precions metals.

CAITHAGE, called by the Ilomaus Carthago, by the Greeks Kar. chedon, an ancicut city and state in the north of Africa, long the rival of Home, was a colony of the Tyrians, and one of the lateat l'hoeniciau nettlemente on the African const of the Meditermanean. There seems to havo been an older Phoenician settlement on tho apot (probably an croporium or traling establishment), which, according to Appian and others, was fonnded before the siege of Troy, and hence much cunfnslon lins arisen concerning the foundation of Carthage, which Appian refers to the year B.c. 1234 , and others sasign to rarious dates betweeu this jear and that of tho building of Rome. Accoriling to Ariatotle, Carthage was fonnded 287 years inter than Utica. The unme Carthago is most probalaly the Koman pronunciation of the Phouticinn Karthhaltha, which means 'new city.' Most ancient writers agreo in following an old tradition that Carthago was fonnded by liliasa or Dido, whose husband being murdered by his brotber-in•law l'scmalion. king of Trre, fled with many atteulants and other citizena, and lauded on a peninsula on the const of Africa, between Tunes and Utica, which were older Phaeniclan colonies. She purchnsad ol agreed to pay rent for a piece of ground to build a town upon, which was called Bozra ('a fortrean"), a name which the Greeks altered into Byran ('a hide'). The name of Hyrea, and perhapas the shape of thic peninsula, whieh renembled an ox-hide, gare rise to tho well-kuown fabie of the manner in which the Libyaus were cheated ont of their ground. Aa tho town lucreased, the inhabitants excavated a port, which was called Cothon, and became a great inaritime and commercial emporium. Thia ls the part of the town which Dionysius and Vellcius Paterculus any was built Co yeari before Rome (B.c. 813). Mfegara, Magar, or Magalia, which was like a great suburb with fine gardens, probably owed its name to tho first Phonician habitation, called Magar or Magalin in the langunge of the country.

Of the early history of Carthage we know little or nothing nexcept thet it som became a great commercial and maritimostute. What we know of les inntitutions is derived chlefly frous a chapter in Aristotle's 'I'olitica. Tho goverminent of Carthage was municipal; aud the eity ruled over all the rest of the conntry. The npirit of the constitution scens to hare beeu highly oligarehical. The chief autbority was veated la the senate, whleh appears to have been composed of the heade of few rich, old, and poworful families, who divlded among themalven the chiof ofllece of the irtate. The senatom appear to have been for life. The enate contained within itself a select body or council of ntate, whlch the Greek writers call Gerusia, or 'council of ancienta' Arintotio ('Polltica' ii 20) mys the Carthaginlann lisd a body of 101 magistraten, amllar to tho liphori of Spmarta, but selected with greater discernineut from mong the moat worthy; and that the kings and the Gerusis of Carthage reacmhled she kingn and the Gerudin of Sparta in thelr reapective offices. Juntin eays that tho Gerunia was aclect boxf chowen from among the ronntorn to watch over and luventigade the conduct of the inggintratem and onpoclally of the gremman ref urning home from foreign commaud, and that it
influonco abil popularity, excited fear of momo ambitions deaigna Two attemptn at eutablibling tyramy were actually made; one by Mano (B.C. S40), and tho other ly Manilcar (B.C. S06). They both fniled, and their authoranuffered dcath. This "Conneil of the IIundred' is also meutioned by Aristotlo as forming the lighent magis. tracs, and deciding all caunet. It was probably the anue as the Ordo Judieum spokon of by Livy (xxxiii. 40). Tho Council were also guardiaus of the public moralm, and, liko the other eivil magintrater, roceired no anlarg. The membern, acconding to Arintotle, wero elected hy the Penturchies, or 'Boarls of Fivo' (probably a permanent committee of tho senate), who are supposed to havo managod tho financinl affairs of tho state. They filled up thoir owu vacancien, and no ono was admitted into them who had not proviounly nerved the state in some official capacity.

At tho head of the exccutive wers two Suffetes (Sliophetim, or judges, liko those of the llchrews), whom tho Greek and Roman writorn call kings. They presided in tho sennte, and laill before that assemhly their reports on public affairs. It would woem that the Suffetos were renewed annumily, but whether the mame persons were re-elceted is not known: thes wero always nelecterl ont of a fow lemb. ing families. Tho election of the genemls and foreigu govermors, which was the next offlee to that of muffete, took place is the Gerusia, but was afterwands referred to the senate and the peoplo for their approbation. A suffeto was at times general riso, and as such headed the armies of the republic, while hin colleague remaincd at home. When the senato and tho suffetes could not agreo u;on some jarticular points, the question was referred to the people or citizens at large for their decision. Aristotle observes that bribery was resorted to, and that officea were bought and sold at Carthage. Ono variety of this corruption was the habit of constantly regaling tho citizens iu collective banquets of the curix, or political clnbs. What proportion the demos, or people, bore to tho wholo population, is nuknown; "but whether more or less considemhle," says Grote, in his summary on the political coustitntion of Carthage ( ${ }^{5}$ Ilistory of Greece,' rol. x.), "it ia plain that its maltitndo was kept under dejendence to the rich families by stratagems such as the banquets, tho luerative appointments, with lots of laud in foreigu depeudencies, \&c. Tho purposes of government were determined, its powers wielded, and the grent offecs held-Suffeten, Scuators, Generals, or Judges-by the meurbers of a small number of wealthy families; nad the chicf opposition they encountered was from their fenda amongat each other. In the main the government was conducted with skill and steadiness, as well for internal tranquillity as for ajatematic forcign and commercial aggrandisernent. Within tho kuowledge of Aristotic Carthage had never suffered either the succcssful usurpation of a despot or any violent intestine commotion." In the later nges of the republic however, bitter factions dirided the state, aud boye as eagerly as men took part in the popular tumults (Polybins, xv. 30.)
Of the private and domestic manners of the Carthaginians we know very littlc. Their punishments werc severe, and even cruel. Crucifixion was tho most coumon mole of death. Wo mny gather from Polybius, Appian, and others that coujugal and parental feelings were strong among them. The magistrates during the time of their oflice were required to abstain from wine. Their religion which was originally gloomy and cruel, they derival from Phonicia, Melcarth ('king of tho city'), the Tyrian Ilcreules, was the tutelar deity of Carthage, ns he wns of Tyre nud all her colonies; ho is identified by aome with Bual and the Sun, by others with the Ass, rian Bel and tho phanet Jupiter. Tho Carthaginiaus also worshipped Saturn. Melec or Moloch, to whom they immolated tho children of the noblest families, and sometimes the captives taken in war to propitiate his wrath. Astaroth or Astarte, the gorldess of the moon, was annther of their deities. They had also on the summit of lyrsa A magnificent temple sacred to Eamun or Aisculapius. Among Genii nud Heroca tho Geniua of Death, and Dido, llauilens (who fell at the batte of Himera), the brothers I'hilacui and Iolatis (a Sardinian worthy) were worwhipped. There was probably no sacerlotal caste at Carthage. Sacrifices were offered by tho highest persongees in the state.
Tho wealthy citizens of Carthage paid great attention to the cultiva. tion nud improvement of their estates, which were tilled by the forced labour of the subjoct Lihynna aud slaves (for Carthage traffickod largely in slaves both white aud hiack). The country in the neighbourhood of Carthnge, and icdeed all that tract which formed its real territory, and which vearly corresponda to the present liegency of Tunis, was beautifully cultivated and extremely fertile. When Agathocles lauded in Africa, and when Regulus half a ecutury later, Seipio Africanus half a century later still, and Sciplo Hiniliamus another haif a contury after that, invaded the Carthaginian territory, their marel lay througls rich fields covered with herda of cattle, and irrigated by numerous streans; vincyards and olive grounds were apread ou every sido, innumerable amall towus aud villages were strewed orer tho country, and as they drow near to tho "Great Carthage' tho neighbourhood wna thickly ntudded with the conntry seats of the wealthy citizens. Mago, s suffete of Carthage, who is nupponed by some to be the mame as the hencl of the poweriul family of that name, who flourialied about n.c. 550 , wrote a work on agriculture in 28 bookn, which is the only work mentioued ns baving been carricd away by the Romans out of the libraries of Carthage
when they destroyed that city, and which was translated hy D. Silanns, hut is unfortunately lost.
The Carthaginians clerived their ordinary public revenue, 1, from the taxes paid by the provinces (the district of the Emporia, Sicily, Sardiuia, \&c.) in produce, and hy the cities in money; 2, from import duties, which were rigurously levird; and 3 , the produce of the Spanish mives, which during the second Punic war sufficed aloue to pay the military expenses of the state. The chief state offices of the home goverument were held without salary. The great demands on the treasury therefore werc for the msintenance of the military forces and the expenses of colonial and commercial expenditure. Commercial interconrse with foreigners was carricd on hy harter. Mannfactures and mechanical arts flourished, and great wealth flowed into the city by the importation of the precious metals, tin, \&c. from Spain and elsewhere. Gold and silver were the standard of vslue at Carthage, bit there is a strung probability that the republic coined no money, although the coins of other cities werc doubtless current. We believe that not a single genuine coin of Carthage previous to her becoming a Roman city exists. The only money rccorded as peculiar to the republic was a token consisting of a suhstance inclosed in leather, sealed, and bearing the stamp of the state, the wholu being of the size and value of a trtradrichm. Whst the inclosed substance was, was kept secret.
The foreign trade of the Carthaginians was a system of monopohesgrasping and jealons. They carried on a very extensive inlaud trade with the interior of Africa by the agency of the nomad trihes, especially the Nasamoues. This trade extended to the Nile ou one side, to the Niger on the other, and to the iutervening oases; their chief importations fron these regions being precious stoues and a vast number of negro slaves. The maritime commerce of Carthage extended to all her own possessions and to the shores of the states in the western part of the Mediterranean. Oil and wine were imported from Sicily and South Italy for her own nise and the markets of Cyreue; linen and fino cloth were imported from Malta for the African and other markets; wax, honey, and slaves from Corsica; iron from Athalia (now Elha), and mnles and fruits from the Balearic Isles. The Balearic Inles (before the conqnest of Spain) were chiefly of importance as a station connected with the Spanish trade in oil, wine, and precions inctals. The trade with Ganl was also probably carried on from the Baleares. Leyond the Strait of Hercnles their trade extended to the tin and amber prodncing countries of Northern Enrope ; aud along the wont coast of Africa their colonies reached as far south as the Island of Cerne, where they hartered ornamenta, wiue, vessels, and Egyptian linen for elephants' teeth and hides. It is not inprobable that they reached the gold producing countries abont the Niger; and that their trading expeditions may have reached the Azorea; but like their Phonician ancestors the Carthaginians told exaggerated talcs of the dangers of the Atlantic for the pnrpase of deterring other mariners from entering apon that commercial field. Carthage in her early treatics with Rome shows her object to be to exclude foreign merchants from all ports bnt her own; and lier own colonies she regarded merely as means to extend her trade. The city exercised hy means of her trading factories and colonies an imperial authority in a greater or less degree over all the north coast of Africa, from the Pillars of Hercules to the bottom of the Great Syrtis, where the Are Philænornma fixed the bouudary towards Cyrene.

The intercourse of the Carthaginians with Tyre scems to have heen very closely maintained. We read in Josephus ('Cont. Apion.' lih. i.) that they sent assistance to the Tyrians when besieged by the king of Babylon about B.c. 600 , and afterwards when Tyre was bemiegerl aud taken by Alexander the Great, the Carthsginians afforded a refuge to tho women, children, and old men of Tyre.

Blago was the first who made Carthsge a conqueriug nation. He is snid to hare freed lis country from the tribute or rent which they still prid to the Libyans for the original ground on which they bnilt their city. It was the policy of Carthage to estahlish colonics among the Lihyans, hy means of which a mixcd race was formed, callerl by Polybius Libyo- Phonicians, as distinguished both from the pure Plocnicians of Carthage, Utica, and other maritime towns, and from the Nomades or Numidians of the intcrior. These Libyans, among whom the Carthagiuians settled, were husbandmen, or forced to becomesuch hy the intruders. They had fized babitations, and thef are cvidently the same whom Herodotus mentions as living north of the Lake Tritonis, and distinguishes from the Nomadic Lilyans. [AFrica.] They consisted of several tribes which in course of tius made together onc hody of suhjects of the republic.

The military resources of Carthage were chicfly her powerful fleets and ber armies of mercenaries. Although the Carthaginians were generally anlucky in their sca fights, their fleets were trnly formidable in point of numbers. In tho First Punic War they had 350 ships of war, carrying $150,000 \mathrm{men}$, in the great engagement at sea with Regulus, B.C. $25 \%$. The navy consisted during the Sicilisn wars of triremes, in the Roman wars of quinquiremcs, carrying 120 fighting men and 300 rowers. The rowers were puhlic slaves, hought in the interior of Africa After their repeated defents at sea by the Romnans, antl the loss of their chief insular possessions, the naval power of Carthage was of little importance, and the rcpublic adopting the policy of the Barciue family afterwards fought its battles by land rather than by sea.

The army was composed of the Libyan subjects of Sarthage, who were forced to serve as they were forced to till the ground; and of mercenaries, collected not vuly from the momadic tribes of Africa, hut from nearly all the countries of Western Europe. The officers were all Carthagiuians. There was also in every Carthayinian army a body of infantry, consisting of 2500 citizens called the 'Sacred Band,' which formed the geueral's bodyguard; they were selected for their rank, wealth, and courage, and were distinguished by-their rich and splendid armour. Upon dingerous emergencies all the citizens turned ont as soldiers; to meet Agathocles 40,000 heavy-armed infantry, 1000 cavalry, and 200 war-chariots marched out of the gates of Carthage; and the desperate defence of the city during its fiual siege hy Scipio proves the warlike mett!e of the desceudauts of the Phœenicians. The Libyans formed the chief part of the iufuntry and heavy cavalry, and were armed with long lances. The Iberians, dressed in white linen vests, had swords with which to cut or thrust. The Gauls fonght naked with broadswords. The Balearic slingers and the nomad cavalry were two descriptions of foree peculiar to the I'unic armies. This cavalry was hired among the nomad tribes all along the north of Africa. They rode on sinall well-trained active horses, without saddle and without bridle, for they were guided by a rush halter. A lion's skin served them for dress aud bed, and a piece of elephant's luide for shield. War-chariots were used in the Sicilian wars; but they were superseded in the struggles with Rome hy elephants, the use of which they had prohably learned from Pyrrhus. In time of peace ouly the garrisons for the city and the foreign possessions were kept np. The military system of Carthage had two great sources of dauger, which are respectively pointed out hy Grote and Heeren-namely, the want of attachunent to the cause in which they (the mercenary armies) fought, and the impussibility of calling a mercenary army together in a short time so as to meet a sndden attack. The main advantages of the system were asaving of tho lives of the citizens, and the dispensing with great military skill in the generals, who till the appearance of Hanuibal, made their conquests generally by overpowering numbers.

The real territory of Carthage seems to have extended about 80 geographical miles southward from the city, and ita houndaries were ahont the samo as those of the district named Zeugitaua, coinciding nearly with the presentstate of Tnnis. It included alno the strip of const farther south, along which were Byzacium and the Emporia, or territory of the sea-port towns along the Lesser Syrtis. These districts consisted of fertile plains, which were cultivated nnder the direction of the nobles, and supplied most of the corn required for the consmmption of the city. But hesides her close connection and alliance with the older Phonician citics, Utica, Leptis, Hippo, Hadrumetum, the political influeuce and indirect sway of Carthage extended far inland over many trihutary native chiefs and nomad tribes.

The Carthaginians early took possession of Melita (Malta), Ganlos (Gozo), the Balearic, and Lipari isles, which had possihly becu previously held by the Phoenicians.

The first foreign conquest of importance attempted was Sardinia in the first half of the 6th century B.C., nnder Malchus, who failed; it Was renewed hy Hasdruhal and Haunilcar, the sons of Mago. Hasdrubal, of whoin we are told that he had been eleven times general, fell in battle in Sardinia; but his brother Hamilcar succeeded in reducing the south part of the island, where the Carthaginians settled the colonies of Caralis (now Cagliari) and Sulci. Sardinia yielded Carthage corn, gold, and silver.

Corsica was first occnpied by the Tyrrhenians, bnt the Carthaginians carly ohtained a footing in it; and the two nations united their flects to resist the Phoceans of Aleria, who gained such a damaging victory that they soon afterwards ahandoned the island, b.C. 536 . The Tyrrhenians loug maintained possession of a great part of the island, hut in the Punic Wars it appears as a Carthaginian province.

Ahout B.c. 480 Hamilcar was sent to Sicily with a great force, according to Diodorus, 300,000 men. This was the first attempt of Carthage to conquer that fiue islaud, aud it was made at the instigation of Anaxilas the tyrant of Messana, and of his son-iu-law tho tyrant of Himera, who being expelied his country had takeu refuge at Carthage. The Carthaginians landed at Pauormus (which, Iike Solnutum and Motya, was an old Phonician settlement that came under the power of Carthage on the decline of Tyre) and moved thence to besiege Himera. Gelou the tyrant of Syracnse came to the assistance of the place, and by a stratagem surprised the Carthaginiau camp, killed their commander Hamilcar, set fire to the ships, and totally defeated their army. The whole Carthaginian force was either destroyed or taken prisoners. Herodotus says that the hattle of Himera happened on the same day as the battle of Salamis. On the news of the defent the senato of Carthage sent messengers to Gelon to request peace, which Gelon granted, on condition that Carthage should pay 2000 taleuts and send to Syracusc two ships completely equipped, and also that the Carthaginians should aholish tho cruel practice of sacrificiug buman victims to Moloch. There was after this a period of 70 years of peace, during which Carthag seems to have reached tho highest point of its commercial prosperity. It was during this time that two fleets were sent to explorc tho western coasts of Africa and Furope. The first was commanded hy Hanno, son of Hamilcar, who had died in Sicily. He tcok out with him 30,000 colonist, of tho ruml popnlation, whom be
distributerl his ais mettlements on the weat coart of Africa Hamno wrote an neconnt of bin rogage which he lung of on hia return ln tho cemple of Krvare or Siaturn in Cartbape; there la areok trame. Intion of it $\ln$ Iludeon's 'Oeogrnphl Graci Minores.' The other expedition under Himilo, another enn of llawilear, wan eont mund the conat of Lusitanis and morthwarl as far as the (Eistrymmon Cape, which some suppose to be Cupe F'ininterra. But the only laformation that we have conemrning this royage in rlcriverl from l'estum Arlonur's peen, who mys that he wrote it from the Puule anuals: his account Is extremely confuned and perglesing.
The mecond Carthagininn expertition into Sicily took place about ac. 110 . The people of Egesta or Segeste, being oppressed by those of Selinns, applied to Carthago for ascistance Tho Carthaginians ant firt a amall forco to reliero Segreate, and afterwands inniled a much larger force, with whicb they beaieged Seliuus. In this siege they emploged moreable towers and batteringrams. After a deaperate defonce Selinus was tiken, plundered, and burnt. They next took llimera, whieh they treated in a like manner, 3000 prisoner being slanghterel to appease the manes of Hamilcar. Tho next attack rras on Agrigentum, which was alno taken rec. 406. When the Carthaginians attacked Gela, Diouynina the elder, tyimnt of Symenso, interferel, and a eeries of wars began between bim and the Carthagi. nians, which, with somo interruption by truces, lanted till the death of Liongnim, The wan were renewed under Timoleon, who at luet made peace with Carthago, by whieh the territory of the latter state in Sjcily was liuited to the rest extremity of the island, the river IInlicms, between Selinus and Lilybocun, forming its enstern boundary. War broke out agnin botween Carthage and Syrncuse about B.c. 310 , when Agnthoclea was tyrant of tho latter city. It was on this ocension that a large feet, intended for Sicily, soon after leaving Carthage, was dispersed by a storm, in which 60 galleys and 200 transports were lost. They however nssembled an arny in Sicily, and totally defented Agathocles, 8.0. $\$ 09$, who resorted to the bold attempt of carrying the war into Africa. This was the first deadly tbrust at the jower of Carthage, whose weak point being thus discovened, the example was afterwards followed by the Romana.

After the death of Agathocles, Pyrrhus, who had married his dauchter, came over to Sicily to oppose the Carthaginians. He overran thoir territory, and took all their townes, excent Lilyboum. Pyrthus however returued to Italy, and the Syracusnus elected Hiero for their commander. Hiero began by attacking the Mamertines, a borly of Campanien mercenarics who liad sorved under Agathocles, but being dimnimeyl after his denth, had gous to Mestans, where after being kindly received they suddenly fell upon the citizens, killed or drove them all arry, and took posseasion of their houses, wires, and property. Being hard preesed by Hiero, they applied to tho Carthaginiau naval commander, who was stationed at Lipara. The Carthagiuiaps came and took porsession of the citndel. The Mamertinea nfterwards revolted against them, and applied to Home for assintance against loth Hiero aud the Carthaginians. This gave riee to the first contcst between Carthage sud Rome, p.c. 265.

The result of the first Punic war, which ended B.C. 242, was that Carthago lost Sicily and the Lipari lslands. This war was followed by another umarly an destruetlve to Carthage. The mercenary troops which had merved in Sicily, and bad beeu disbnaded in Africa nfter the peace, without being paid their full stipend, revolted, and being joined by the nubject Libyans devastated the territory of Carthage, tbreatened tho city, and carried on the war (b.c. $240-237$ ) until Hamilear Barca, who had already distinguished himself in Sicily, succeeded iu mubduing or rather destroying tbo mutineers. Polybins calla thia the Libyan war, aud he giscu a letailed account of it. it was attended with circumstance of the grentest atrocity on both sldes.

At tha end of the war of the mercenaries, whlch gave the ILomane a pretest for reizing Sardinia, Corsica, and the smaller islands subject to Carthage, Ifamilcar Barca was sent over to Spain to establish tho power of Carthage over that rich country, and thus gain a compenamtion for the loes of Sicily and Sardinin. It was before retting out for Spain that he made bis mon Hanuihal, then a boy uine ycirra old, swear on the altar ckernal batred ngainst fome.

The inhatitanta of Gaden, an ohl Phomieian colony connected witb Carthage by common dewcent and commerce, had asked asaistance agninst wnme native tribes, and this hal probably furnished a pretence for the frmt Carthagiuian mettlements on that cunsh During nino gearn that Barca remained In command In Spain lo extended the dominion of Carthage over the south and cunt part of tbat country, and founded tho town of Carcino (3urcelonn). Hamilcar what killed in a battlo againnt the native (Appianus, 'De lReb. Ilispan.' v.), and wa wocmled is Ilnmirabal, his non-ln-law, who took young llannibal as hly colleague. The Saguutinl, who are said to lave been a culony from Vaoynthua, being presed on all sldem by the Carthaginian con. queph, erat deputlen to Rome for protection. The Rominn seunto sent depatice to Carthage, and a treaty was onneluded, by which the river Iberun ( libro) was to tho the llmit of the Carthaginian possesmions in Spain, and moreoser the Sagruntini and other Greek colonien south
of the Iborns wero to remaln freo and indeneadent. Haedrubal of the lberus wero to memaln free aud indeneudent. Hasdrubal
some time nfer was killed by a native while hinting, and Haunibat, then twontyonix jean of age, wan proclaimed lita iuccemsor by the army, choies which wne conffrmed by the senate of Carthage.

He begmu his command by the siege of Sagratum, which Jod to the econd l'unic war, A.c. 218. By the preace (s.c. 201) whioh terminuted that memorable conteat the power of Cirthago as an indepeudent stato wis anulhllaterl. Sbe loat her fleot and al her posseauions out of Afrius, aul evo there Masisism, King of Numidia, wins plantod as a thorn in her side. By the adminnetration of llansibal however the tributo imposenl by the ponce was paid in ten years, and the groat general was unclitating to aid Antiochus the Givat with what force Carthage could yet innster in order to check the trinmphal career of Rome, when ho was compelled by faction to fly from the eity whieh his great taleuta had immortalisod B.C. 193, and to sock refuge with Antiochus. Masininas seized upon a terriwry callod Tysca, with fifty villages upon it, within the Cirehugialan boundary. Complaint was mado to llome, which rent a cominiasion, of which Cato the elder was ouc. That intlcxible old man inspected wery part of the great commerelnl city, and being astunished at the sight of itd still remanning Wenlth and magnificeuce, persuadod himself that authin; but its ruin could insure tho dominiou of 1 lome. 11 ence his well-known barthen to the seasto on bis return, "Delemia eat Carthago." Some of the 1Roman senators were for moderatu and conciliatory meanurea Scipio Nasica, next appointed comminsioner to arbitrato betwron Carthnge aud Masinisea, went to Carthage, and had uearly settled all eontroverted puists when Giseo, Carthagiainn domagogue, rousod the populace to aspault Scipio, who was obliged to nave biuself by fight,

There is no doubt that, in the impendiug struggle with Antioohus in the east, Carthage, reduced as mhowas, would Lave been is source of danger to llome; and the only anfo policy of the latter wes the total destruction of her rival, as expressed in the celebrated seuteuce of Cato. The armed resistauce to which Masinissa at leugth drove the Carthagininns was looked upon at liome as a vlolation of the late treaty (a clauze of which bound Carthage not to uudertako war with ont the permission of lome), and seized as a pretext for the third Punic var. The cousuls Marcins Ceusorimus and Manilius Nepon were appointed to the comuand of the flect and of the land force, and they received secret orders from the senate not to deeist from hosti lities until Carthage was destroged. The consuls sailed for Utica, where, having landed their troops, they encamped at the old Castra Scipionis. They then gave a public audience to the Carthagiainn depu tics, wbo appeared as suppliants before them, and were required to give up all their arms, as they had uo more occasiou for them, the Roman people taking them under their protection. The arms were delisered to the number of 2000 catapultie, 200,000 complete suits of armour, besides an immense number of spears, swords, bows and arroms, \&c. This being done, the deputies waited to herr the fiual nenteuce. The consuls then siguified to them that Carthage must bo razed to the ground, but that the inhahitants might rebuild their houscs anywhere, provided it wero ten miles distant from tho sea, and there were no walls or fortifications. The indignntiou of the citizens at the baso treachery of the Romans overcmue all considerations of prudence or persmal safety. They determined on defenco, and tho third Punio war began. It lasted only threo years, aud enderl with the uttor destruction of Carthago in the samo Jear (n.c. 146) in) which the fall of Coristh completed the suljugation of Greece. The horrors of that siege, the desperate resistance of tho Carthaginians, the self-devoteduess of their women, are described by Appian. Of 700,000 people Who lived within Carthago ouly 50,000 surrendered to scipio and wero saverl. By a decree of the Roman senate every part of the city was razed to the grouud. The literature of Carthage likewise perished; the Romans gave its libraries, with tho exeeptiou of Mago's work ou agriculture alruady montioned, to their Numitian albes; and wo know through Sallust tbat King Hienpenl had a collection of Carthaginian hintorians from which Sallust derived some iuformatiou on the early history of Africa.
Twenty-four yeara after the destmetion of Carthage (30.122) tho Oracchi made a vuln attentet to estublish a colony on its ruins. Julius Cresar revived the project B.c. 16 , but was not suffered to live to complete his design. His sncceswr Augustus sent 3000 ucw colonink. who wero joined to the inhabitants of tho noighbouring country, to build a new town, which was called Colonia Carthngo, not which Strabo says soon liecame ras populous as any city of Africn. Pliny calla it 'Colonin Carthago Magnae in vestigiis Carthaginin' It ropo lo considcrable splendour, bad its cothon, or larbour, mud became the tirst city of looman Africa. In Cliristian hletury it is known for its councils and for the rpiritual labours of Cyprian and St. Augustine. In 139 it was taken by the Vaudals under Geuscrie: it was netaken by Belikarins in 533 ; and lamtly whs faken and uttorly destroyed by the Saracens in 647. Thus onded Roman Cartlage, after au exintence of mbout meven centuries.

Tho topography of Carthage is a difficult and much diaputed sulject. In the following detnils wo have adopted the vlews of lialbo and liarth, which are onflimed in many particulara by inferencen finirly drawn from the ancient descriptions of the siego of the city.

Carthage was built on a high preninvula, bounded N. and E. by the Gulf of Carthage; and S. Ly the lakc, or bay, that now forms the barbour of Tunis. The peninmula terminated enstward in cmpes Gharaart and Carthago, whieh riso respectively to abore 300 and 400 fect above theses; and on the western sido it was juined to the maiuland by an isthmus botweon two nad three miles acroas from tho

Lake of Tunis to the sea. The alluvial depoeite of the Bagradas (now Mejerdah) have made great alterations iu this part of the coast; so much so that the sea, which in ancient times washed the uerthern shore of the peninsula, is now converted partly into firm land and partly iuto a salt marsh: the consequence is that the isthmus is greatly enlarged in breadth, and the peniusular form of the eite has nearly disappeared. The Lake of Tunis itself from a deep open bay hss become, in consequence of its receiving for 80 many ages the filthy deposits of the suwers from the city of Tunis (which stauds on its weetern shore), a shallow lagoon. Southward from the poninsula a Trenia, or sandy spit of gronud, ran between the Gulf of Carthage and the lake and terminated at the north of the entrance to the latter; this strip of land is also enlarged since ancient times, so that the once wide entrance to the bay is now a mere uarrow passage, called Hakel-Wad, or Goletta ('throat'). It seems probable that the city did not occupy the northern slope of Cape Ghamart nor the southern slope of Cape Carthage, on the east of the peninsula; and that it did not quite extend to the isthmus on the western side; but stretched in the form of an irregular oblong, with its eouthern end resting on the lnke before mentioned, the Traia and the gulf; its northern end on the sea, and its greateet length extonding nearly due north and south.

Towards the east the city, the whole circuit of which was 360 stadia, or aboui 36 miles, was defended only by a single wall, as it was naturally defended by the precipitous nature of the coast. But on the land side it was defended by a triple line of walls, each 30 cubits high, below the parapets, and strengthened with towers four stories ligh and 200 feet apart. On the inside of each wall were two stories of vnnlted chambers, formed into stables below for 300 elephants, and abuve for 4000 horses, with stores of formge for both. Between the walls were bsrracks, with magazines and stores, for 20,000 infintry and 4000 cavalry. These landward fortificntions seem to live been atrongeat just behind the Byrsa, or citadel; where they npproached the suburb of Megarn on the nurth-west, nad the Trenia ncar the harbours at their southern extremity, they seem to have been weak aud low, and nccordingly Scipio in his assaults upon the city attacked these parts, while Marcius from the sen attacked the singlo wall on the easteruside. Tho walls of the Punic city cannet be traced with any certainty; but the remains of the walls of Lsoman Carthage, erected in A.D. 42 , are clearly viaible.
The port of Carthate was on the south side of the city, and was formed of a part of the Lake of Tunis, while the lake itself was probably used as a roadstesd. It consisted of an onter harbour for merchantmen, there being a passage from the one to the other; and on inner harbour for ships of war. Au island of considerable elevation, called Cothon (it ie now a peninsuln), situated within the entrance, gave its name also to the inner harbour; its height coucealed the harbour from riew to seaward, nnd male it ecrviceable as a signal station. On the land eide the iuner harbour was jeslonsly screened from observation hy a double wall. Wide quays lined the shores of the island and the inner port, und around it were 220 docke, each constructed for only one ship, with naval mafaziuee and storehouses. As each dock was entered between two Ionic columns, the circuit of the island and the landward side of the harbour presented the appearance of a magnificent culonnade. Persons frequenting the outer harbour passed at once into the city through gates provided on purpone, that they might not pass through the docks. When Scipio harl blocked up the entrance to the harbour by constructing a mole across the castern angle of the Lako of Tunis, from near the eouth end of the lund-wall to the Twnia, the Carthaginians cut a new channel from tho iuner harbour direct into tho Gulf of Carthage. The two basing, which were moet probably formed by excavation, still remain. but their masonry has disappeared, having been probably used as a quarry by the natives that afterwarde ecttled ou the site of the Phonician city. Of a spacious basin formed for merchantmen, on the ees-shore outside the walls, the substructious are still visible.

Immediately to the east of the central and strongest part of the landward fortifications was the Byran, or citadel of Carthage. It was connected with the forum which lay between it and the harhours by three narrow streets eomposed of houses six storices high. The Byrsa is an eminence, supposed to bo partly artificial, about two Roman miles in circuit and 200 feet ligh, its upper surface formiug a plateau that slopos gently towards the sen. On the sides of the hill are traces of its ancient fortifications, which ecem to have risen in terraces one above another. On it stoorl the rich temple of Esminn, or Esculapius, raised on a platform ascended liy 60 eteps: the senato held secret meetings on important occasions in this teinple. The Byrsa continued to be the citadel of Carthago nuder the Romans also, who restorod the templo of Sisculapius. The Itoman proconsula, the Vandal linga, and the Byzantine governors of Africs resided upon it. It is now called the lill of St.-Louim, from a French chapel erected on ite summit in memory of that roynl crnasader, who died of tho plague Whilst laying siego to Tunis in A.D. 1270. It is supposed that the hill occupied by the Byras was formed when the Carthagiuians excavated their harbours, and that the name of the originnl Phoenician settlenient (which most probably occupiel the height of Cape Carthage) was transferred to this their new citedel.

South of the citadel, and between it and the harbours, lay the forum, in which were the eenate-house, the courts of justice, and the temple of the Phanician god corresponding to Apollo, whose golden image stood in a shrine overlaid with 1000 talents weight of gold. The three streets connecting the forum with the citadel were stormed by Scipio bouse by house. The other strecte seem to have been straight, and to have crossed each other at right anglee.

On the lower terraces of the north side of the Byrsa are the ruius of two temples, supposed to be those of Saturn and Astsrte, whom the Romans called Coleetis. Ou the weet and south-west side of the bill are the ruins of baths (famous in the Christian history of Carthage), a circus, and an nenphitheatre. The city was supplied with water by an aqueduct 50 miles long: it derived part of its eupply from the Jebel Zaghwan, which is above 30 miles in a straight line S. from Carthage, and the rest from Zung-gar, cousiderably farther south. Hoth fountains were covered iu by domed temples of the Corinthian order : there are considerable remains of those at Zuug-gar. The aqueduct may be traced all the way, and iudeed in eome places it is in a good state of preservation-as at the village of Aıriana, two leagues N. from Tunis, where is (says Shaw) "a long range of its archee, all of them entire, 70 feet high, supported by columns (piers) 16 feet square. The channel that conveyed the water lies upon these arches, beiug high and broad enough for a person of ordiuary size to walk in. It is vaulted above, aud plastered on the iuside with a strong cement, which by the stream running through it is discoloured to the beight of nbout three feet." The part of it that rune aloug the peninsula was elegantly built of hewn stone. Some euppose the aqueduct to be a Carthaginian work; others ascribe it to the Romans. The great veservoir also remains almost entive near the line of the western fortifications; it consists of more than twenty contigueue cisterus, esch of them at least 100 fect long and 30 feet broad. Near the Cothon also is a less reservoir, which was contrived also for collecting the rain water from the Byrsa and ndjacent pavemeuts: the small earthen pipes for conducting the water from the roof atill remain. Besides these there are numeroue cisterns remainiug for the supply of private houses. In rowing aloug the eea-shere Shaw observed the terminus of the sowers, "which, being well built and cemented together, length of time has not been able to impair."
Tho broken foundation of two buildings-one supposed to have been a theatre, the other $n$ templo of Astarte, and apparently the largest structuro in Carthage-complete our enumeration of the remains on this interesting site.
The north-west side of the peninsula was occupied, as before stated, by the euburb of Magalia (callod also Magar and Megara); this was surrounded by a wall aud adorned with gardeus irrigated by canals. The wealthy citizens of Tunis still have gardens here uear the village of El-Mersa, which is situated near a salt-marsh to the north of the istlimus. Roman Carthnge etood not as some assert ou the site of Magalia, but on that of the Punic city. The land to the west aud north-west is divided by roads into rectaugular plots, each containing 100 hersedia. There are twenty-eight of these plote distinctly visible, and tho gsidens of El-Mersa cover an aren sufficient for two more, making altogether 3000 berwdia (or farms of about two acres each) for the 3000 colonists settled iu Carthago by Augustue. Cape Ghamart is suppoeed to have been the necropolis of Carthage: some few graves have bcen discovered in its rocky soil.

Grote, Mistory of Girece; Falbe, Recherches sur l Emplacement de Carthage; Barth, Wandemungen durch dic Kistenländer des Mittelmeeres; Heeren, Ideen wber die Politik, \&c.; Niebuhr, Lectures on the Mistory of Rome; Aruold, History of Rome; Shaw, Trarels in Barbary: Dictionary of Grek and Roman Geography; Manuert; Diodorus; Appian; Livy; Justin; Polybius, \&c.)

CARTMEL, Lancashire, a market-town in the parish of Cartmel and hundred of Lonsdale, north of the eands, is situated iu $54^{\circ} 12^{\prime} \mathrm{N}$. lat., $2^{\circ} 56^{\prime}$ W. long. ; distant 26 miles N.W. by N. froin Lancaster by road, or 14 milee across the sauds at low water; and 254 miles N.W. by N. from London by road. The populntion of the cntire parish of Cartmel was 5213 iu 1851. The living is a perpetual curacy in the archdeaconry of Richmond and diocese of Chester.

Cartmel is eituated in a vale surrounded by high and rugged eminences. In 1188 a priory for canons regular of St. Augustiue was founded in Cartmel by William Mareschal, casl of Pembroke. The funds of the ancient parish church of Cartmel were iucorporated with the priory endowment, and the parishiouers purchased the building that they might still use it as their parish church. It is a cruciform building with a central tower, a choir with richly ornamonted etalle, and a fine cast window. The nave is comparatively inodern. The length of the church is 157 feet, that of the transepts 110 feet, and the leight of the walls 57 feet. Cartmel Grammar achool has an endowment of $110 \%$ per aunum; it was in existence in 1635 , but the exact date of its fouudation is unknown. There were nbout 25 scholars in 1851.

The strects of Cartmel are narrow and irregular. Moet of the houses are built of stone. There is very little trade. There aro cotton-tuills at upper Holker. The market day is Tuesday; faire are held on Whit-Muuday, Monday nfeer Octoler 23rd, Wednesday before Easter, and November 5th.

Three mile to the mouth of Carturel la a modicinal apring of some mpute, callerl Holy Wril. Near the town is Ilolker Ilall, a mat of the liart of Burli gton. In the rieinity are many privnte manaiona, aurrounded witls plantationa and pleasure-gronads which extend along the alopes of the filla, and liupart to the ecenery much benuty. From the rapidity with whleh the tide Bows over melh an extounive luvel surfone the pasago acrom the sande is attended with danger. Cuide ano appointed by goverameut to conduct pasengers from shoro to shone Tho divtame meroms Lamenter munds to the enst is about 9 miles, that acrom Loven muls to the weat not quito 4 mbics.
(hainex, Jiwory of lawcashire: Communication from Cartmel.)
CASA'I. $\%$, province aud town of the coutinental Sarlinian states The province is bouuded to the N. and E., by the Po, which divides it from the provinces of Vervolli and Mortara; on the S. it bonders on the province of Alceandria, and on the W. on the prorinces of Asti and Turin. It in internocted from north.weat to south-east by the ridge of the Monferrato hilla, which divide the valley of the Temaro from that of the Po. The vine thrives on this tract, which produces some of the best wine in l'iedmont. It ls also known for its trufles. Great numbers of sheep aro rearod in the province. Silt is another of its chief products. The area is 334 square miles, and the population of the province in 1848 was 120,425 .

Casale. the chief town of the provinee and formerly the capital of the maryuisate of Monferrato, an inportant city with 21,000 inlsubltants, in situated on the right bank of the 1 Po, 37 miles Es from Turin. It was formerly fortiferl, and its citadel, built at the close of the 16 th ecntury, was one of the etrougest pla.ee in ltaly. Since the dinastrous campaigus of Sardiuia against Austria in 1819, the town of Casale has been strongly fortified uncier the direction of General do la Marmara. The Po is crossed hero by an iron bridge. The o.d castle which was once the residence of the marquises of Monfrrrato, is still standing. The cathedral of San Evasio, a Lombard structure, said to liare beeu founded by King Luitprand in A.D. 742, contains somo fine paintings, a riehly docorated shrine, and a chapel ensed with costly marblo; the church of Santa Caterima is aloo rich in paintings. The church of San Domevico was built at tbe expense of the princes Paleologhi, and conwecrated in 1513. A tomb in memory of the Paleologhi was crected in the church over their remains by tbe lntm king of Sardinia in 1835 . The church was built after a design of Brumansiuo, it has a splendid façade, as d for clegancu of proportions and richness of decoration it is surpasced by few churches in l'iedmout. The other remarknble churehes aro those of Sant' Ambrosio and Sant Ilario; the latter was once a pazan temple, its consecration took place in the th century. Among the ancient eivil structures of Camale meution must be made of the elock tower, built before the year 1000, and repaired in 1510 ; and the town-house, supposed to have lieen built by liramante.

Caale has also several palaces belonging to the nobility, a tbeatre, a royal cullege, and a college for boarders. There are screral silt factories in the town, and a considerable trado is carried on in corn, wiue, aud other "gricultural produce. Casale is a bishop's see, and the residence of the Inteudente, or governor of the province; it has a court of justice, from which appenls lic to the supreme court of Turin. The town of Moncalvo, with 3700 inlubitants, is next to Cassle in importance. Its Industrial products are spun silk and leather.

CASAN, properly Kaann or Kazan, the name of a Lhanat, or kingdom, fouuded by the Tartars in the north-east of Europe in 1441, and mbjected to Russia in 1552. Tbe five governinents formed out of it-namely, Kazan, Perm, Simbirsk, Pensa, and Viatka-are sometimes historically apoken of as the kiugdom of Kazan. The Rusainn government or province of Casan includes a portion of the basius of the Volga and ita tributory the Kama; and is bounder N. by Viatka, Fis hy Orenburg, S. by Simbirsk, and W. by NischnciNorgorod. $1 t$ liea betwoen $54^{\circ} 10^{\prime}$ and $56^{\circ} 45^{\prime}$ N. lat., $46^{\circ} 20^{\prime}$ and $51^{\circ} 45^{\prime} \mathrm{F}$. long. The arem according to official survey measures 23,888 iquare milen, and the population in 1816 was $1,342,900$.

The surface is in geuernl an undulating level, the routheastern part of which in varied by the western branches of the Ural Mountains, while a ansll range of limestone hills, called tho Undurim Mountaine, runn parallel with the right bank of the Volga, but nowhere attains a greater eleration than 1000 feet.

The frincipal river in Canan In the Volga, wtith enters it from Ninchnel-Novgorol in the north-weat, mus through the heast of the province, where It in iner ased by the large river Kama, and quits it in the month, on the borders of the provluce of Simbirsk. The Volga bat cunniderable breadeb leforo the Karna joins it, but in enlarged to 2100 feet by the accession of that stream. The Verlugn, the langer and lemer looknhaya, Sviaya, Tayvil, and Kamanka contrihuto aiwo to anginent the Volga ln thin province. The province contnins many amall laken, which at well as the rivers are well stocked with finh. In the Uindmrian Mountaina are many mulphurous apringa, and much liquid nephthen in found.
The cliunte is ou the wholemaluhrioun; but the winter in so severe thet the rivern covered with lee from Novemb.r to the end of March. The Volga, on the braking up of the lee, rimes abore neven feet beyond it lovel in mummer. The ruitm of Westers Europe ripen in the open ilr.

Agriendture in purnued to a limitud extont ; and a suffleient yunntity of rye, whent, fax, hemp, fruit, and vegetables in grown for orliary consusaption. The moll is genermlly fertile, but lunda aro wanting for ita proper cultivation. Whole diatricts are ocenpiexl by forentey and swampu ; the chief kind of trees arg the pine, fir, nuld oak; and the wonde abound in boars, wolven, auil featliered ganc. Largo hends and Bockes are reared on the rich pasture-grouuds which bonler the sivers; and the fleece of Casan are of good quality. llomen are of goud breed, and sevoral fine atuds aro kept up. Gonts aro numerons, piga much less so. Among wild animals no beare and wolves. The Tartar inhabitants collect muels wax and honey. The provirce contains stone for building, chalt, and lime, alabator, sultpetre, iron, and copper.

The iuhabitants are engaged geuemlly in pinaing and weaving, tanning, turuing and making articles of wood, amloil-cushing, for which last purpose they euploy hemposeed an well as muta, of which Inrge quantitios aro obtained, particularly in the districtn that lio between Caran and Sinbirst. Tho population is conuposed cliedy of lkusian l'oles and Cosancka, who make up about half of the inhabitante The Tartars wioo inhmbit a partieular alobode, or quaiter of the towns and villages, are chicfly artizans, and number about 800,000 ; tho rest of tho inhabitauts are composed of Tahuwanhes, Circamians, de., who oceupy farmi or live in detachod villagea, aud are distinguished from tho rest of the population by their dirty liabits.
This part of Eastern Europe was formerly ealled Volgaria, or Bul garia, from the river Volga, nud was inhabited by a Tartar tribe. Forced from their settlements by new hordes of Turtars, the Bulgnriann left their homes and finally mettled among tho Slavonic popula tiou of the right hank of the Lower Danube, whom they sublued The name Bulgaria, by which this part of Moesia lias bren sinco distinguished, was thus derived from the T'artars of the Volga. [Bel caria.\} A great-grandson of Ghenglis Khan founded the eity of Casan in 1257 , which became the capital of the Kiptchak Tartarg In 1441 the Khan of Casan become independent, and erected bis pro viuce into a kingdom, which subsisted till 1552, wben it was conquered by Isan 11. and annexed to Russia

CASAN (K゙azan or K゙asan), the capitnl of the province, is an ancicut Tartar town, rhieb stausls ou a bill ricing out of a low plain botween the Casanka and the liulak which flows into it, and about five miles above the infux of the Casanka into tbe Volga: population about 60,000 . It is composed of the kremliu or citalel, the middle town, and the lower town; the whole is eneircled by gardens, fields, and ineadown, whicb, wheu the Casanka is swollen by the waters of tho Volga in the spring, are subject, well as the lower town, to inundntions. The kremlin, which is on the banks of the Cpsanke, contains tbo governor's pnlace, archiepiseopal reaidence, barracks, prisona, aud houses of correction, but parieularly the highlyovenerated 'Kargian Ekaya llogeniater,' or Cathedral of tho lloly Virgin of Casan, the protutype of other Greek ehnrches in various parts of Russin Tho middle town is chiefly distinguishable by the Gostini-Dver, or Buzanr, and the market-place, which is surrounded in most parts by lofty bousces, ehiefly built of stone, and planted with rows of trees. Seveml of the churches are well built. The lower town, next to the Bulak; contaius a uumber of rows of bouses, 8 cparated by gardens, which are the residences of the merchants and lealers; and also the uuiveraity buildinga, a handsome pile embelliahed with Coriuthian columna, and contaiuing a bibrary of 30,000 volumes, a cabinct rich in Russimn rucd Tartar coins, colli etions in untural bistory and for experimeutal jhilomophy; a botanical gardon, aud a well-furnished ustronomical and inagnetic observatory. Cisan has 41 Greek churchen, 4 nnnastories, 8 Tartar medshets, or places of worship; a Greek acminary for divinity students, 2 gymuasin aud 4 other public scbools, 9 Tartar schools, a military achool for 350 boya, an orphan asylum, and a Russian and a Tartar printing bonse. The city is strongly fortifierl, and coutains an arsenal and au iuperial powder manufactory. From the lowness of its situation the town is unlucalthy, and there is nlso a want of goud water for driuking. Casas is the seat of several manufacturea, particularly woollens, cottons, worocco and other leather, sonp, eutlery, juwellery, irunware, earthenware, tilos, gunpowcier, npirits, aud leeer. It is tho great mart for the products of the adjacent parts of Rusan, and carries on an extennive trade loy the Volga, of which teas aud Aniatio manufacturea aro leading articles. Thore is an active transit trade with Siberia, Boklanra, aul several parts of Europenn Russin. The Tartars live as a distinct community from the liussians, and lave settled on the opposito bauk of the Bulak, upon the eninences around Lako Kaban; their dwellings arosmall and rude: Casan was captured by the Czar Ivan IL., after a sioge of 43 days, ln tho yuar 1552. The town was uearly destroyed by fre in 1774, agnin in 1815 , from the explosion of the gormment powder ntores ; and in 1842 , when moro than half the eity wan reduced to salren. Theso dianstery are soou rupairal In a country where timber abounds and houses are chichy constructed of wood.

CASBIN, otherwise written Carvin or Kazrin, $\Omega$ city in Persia, is situnted in about $36^{\circ} 12^{\prime}$ N. lat., $40^{\circ} 63^{\prime}$ F. lung., 90 inilen W.N.W from Telseran. It was built about the middle of the 4 th centurg Under the prinees of tho Suffile dynasty Casbin becamo the capital of the kiugdom, and remained so until Ghah Abbres removed the seat of
government to Ispahan. Although now of diminished importance, it may still be considered a flourishing place. The town stands in an extensive valley or plain upwards of twenty miles in breadth, called the Plain of Cashin. This plain affords good pasturage. An extensive system of irrigation by means of subterraneous aqueducts called 'kanauts,' with the natural fertility of the soil, formerly rendered the plain of Casbin one of the most productive districts in Persia Captain Wilbraham, who travelled through this part of Persia in 1837, describes the plain of Casveen as slmost destitute of cultivation, owing to the want of water. "In the neighbourhood of Casveen," he adds, "long lines of canauts, or snbterranean aqueducts, now choked with rubbish, intersect the plain, and bear evidence to the former cultivation of the district." The town is approached through a vast extent of vineyards and orchards interspersed with olive-trees and inclosed by high walls. From this it is clear that in the immediate environs of the town the system of irrigation still prevails. The grapes of Casbin are considered the best in Persia; and its pistachio-nuts also are abundant and highly esteemed. "The wine of Casveen," anjs Captain Wilbraham, "made by the Armenian inhabitants, is better than that geuerally met with in Persis." The town itself is inclosed by a mud wall with towers, but without any ditch. In extent it is said to exceed Teheran, but "whole streets lie in ruins, and it contains no buildings of note." The old traveller Herbert estimated the population at 200,000 : in 1812 the males were estimated at 25,000 . Velvets, brocades, and a coarse cotton-cloth called 'kerbas,' are menufactured at Casbin; and the place has also a considerable trade in raw silk and in rice obtained from the provinces along the Caspian. Any grandeur or magnificence which Casbin may once have possessed has been destroyed by repeated earthquakes, which have left little remaining of the more ancient structures but broken masses of domes, towers, and old walls. A ruined mosque, with a conspicuous dome, and the palace built by the Suffide princes, are the most remarkable remains. The palace, although surrounded with ruins, and for the most part abandoned, still serves as the residence of the prince-governor.

CASERTA. [TERRA DI Latoro.]
CASHEL, county of Tipperary, Ireland, a bishop's see, a parliamentary borougb, and the seat of a Poor-Law Union, in the parishes of St. John the Baptist and St. Patrick's Rock, and barony of Middlethird, is situated in $52^{\circ} 31^{\prime} \mathrm{N}$. lat., $7^{\circ} 54^{\prime} \mathrm{W}$. long. ; distant 105 miles S.W. from Dublin by the Great Southern and Western railway, from the Dundrum station of which it is distant 5 miles east. The distance from Dublin by the high road is 100 miles. The population in 1851 was 4798 , besides 3449 inmates of the workhouse aud other public institutions. The borough returns one member to the Imperial Parliament. Cashel Poor-Law Union comprises 24 electoral divisions, with an area of 156,822 acres, and a population in 1851 of 45,176 .

The city is built round the eastern and southern slopes of the remarkable eminence known as the Rock of Cashel, which rises abruptly from a rich plain about two miles east of the Suir. In the widest part of the main street are situsted the market-house and shambles, and a public fountain. The principal publio buildings are the modern cathedral, a large and handsome building with a lofty spire; the Roman Catholic chapel and a convent adjoining; the sessions court-house, bridewell, fever hospital, and infirmary. On the north side of the main street are the barracks, and on the southern acclivity of the hill is the deanery house, formerly the archiepiscopal palace, a handsome mansion with fine gardens and a good diocesan library of 9000 volumes annexed. Near tho northern extremity of the main street access is had to the summit of the rock by a lane which passes bchind the deancry gardens. The assemblage of buildings which occupies the summitis of remarkable interest, comprising, in addition to the extensive ruins of the old cathedral, a ruined tower and singular stone-roofed chapel of early Norman architecture, erected by Cormae Mac Carthy, petty king of Munster, in A.D. 1127.
The cathedral is in the form of a cross, the choir and southern transept embracing Cormac's chapel on two aidea; the chapel however not being built due east and west, etands a little out of line, flanking the southern side of the choir, to which it serves as a chapterhouse, and which is interposed between it and the round tower on the northern side. The other buildings on the rock are a hall for the vicars-choral, built by Archbishop Rd. O'Hedian (1421), who also repaired the cathedral, the old episcopal palace at the west end of the cathedral, and the remains of the abbey of the Rock of Cashel, founded by David Mac Carwell about 1260. A wall, intended for defence, some bastions of which were standing at the beginning of the present century, surrounds the platform on which the ruins stand, and completes the pile of building which, from its commanding situation, massive proportions, and singular variety of outline is justly considered the finest of the kind in Ireland. Tho chapel, an object of tho highest architectural interest, consists of a nave and a small choir. There is a slender square tower built in the re-entrant angle of the choir at the south side, and rising considerably above the roof, which is of atone, of a very lofty pitch, springiug from corbels, and concentrically vaulted uudcrneath. The upper vault is gothic, being the only arch of that description in the entire building, and forms the ceiling of an apartmont, the floor of which rests on the arch of the lower vault, which is Norman, and in liko manner forms the ceiling of tho nave below. This under-arch springs partly from
the thickness of the wall, and partly from the architraves of a double range of rudely-carved columns at either side: those of the lowel range are square, adorned with a lozenge nct-work, and form pedestals to the round columns of the upper ticr, which are ornamented with bands and capitals. Outside, the corbels supporting the pedimeuted roof form the architraves to two similar tiers of pillars at either side, between the columns of the lower of which ranges the windows that light the nave are pierced. The priucipal dimensions are as follows: Length of the wholo building outside, 53 feet; length of uave, 30 feet; breadth of nave, 18 feet; length of choir, 13 fcet 8 inches; breadth of choir, 11 feet 6 inches; height of the roof from ground outside, 52 feet; slant of roof, 24 feet; mean thickness of the walls 4 feet 1 inch ; length of square tower, 10 feet : breadth, 6 feet 8 inches : height, 68 feet. These dimensions are given the more minutely as Cormac's chapel is by far the most perfect specimen of this description of building in the country, aud as it gives a convincing proof not only of the existence but of the excellence of some works in stone and lime, exclusive of round towers, in Ireland before the coming of the English.

Donat O'Lonargan, the first bishop of Cashel who received the archiepiscopal pall, was succeeded in the see (1152) by Donald O'Hullucan, in whose time (1172) the great synod was held here, which has been so much celebrated by the carly historians of tho conquest as that at which the Irish prelates aro alleged to have recognised the civil authority of the English king and the ecclesias tical superiority of the Anglican church. By this timo a town had grown up around the seat of authority, large enough to mako its burning in 1179 worthy of mention in the Irish annals, Donat O'Lonargan, the third archbishop of the name, erected the town of Cashel into a borough in 1223. David Mac Carwell, who became archbishop in 1253, founded the Chantry of St. Nicholas, the Abbey of the Rock of Cashel, and Hoar Abbey, a monastery for Cistercian monks, in the vicinity of the town, the ruins of which, still standing, attest its former splendour.

Iu tho wars subsequent to the rebellion of 1641, Cashel was for some time garrisoned, and the rock put in a state of defence by Lord Taaffe, on the part of the Irish royalists; but Lord Iuchiquin, who commanded the Irish parliamentary forces, having approached the town, which had been left by Lord Taafo to defend itself, the inhabit ants refused to accept Lord Inchiquin's terms, on which he carried the place by assault. On this occasion there was a great slaughter of the besieged, of whom above twenty priests and friars were slain before the assailants gained possession of the cathedral, when at length quarter was given, and the survivors suffered to return to their lomes. The city was again taken by Cromwell. Up to the eud of the last century Cashel seems to have been a flourishing place. Before the passing of the Irish Municipal Reform Act the town had fallen greatly to decay. The local administration is now vested in town commissioners, under whose care much improvement has taken place. The ancient water-works, alleged to be as old as the time of Edward II., have been repaired, and the streets have been lighted with gas. The income of the borough was $36 \% 9 l$. in 1849. Quarter sessions for the county of Tipperary are held here in rotation. Cashel possesses a National school and a savings bank. The market days are Weduesday and Friday. Fairs are held on the 26th of March, 7 th of August, and on the third Tuesday in each month.

Prior to the passing of the Church Temporalities Act, 3 and 4 William IV. cap 37, Cashel was an archiepiscopal see, and united with the diocese of Emily; by that Act it was reduced to a bishopric, and united with the sees of Emly, Waterford, aud Lismore. The incomo of tho united dioceses is 5000 l . a year. The diocese of Cashel comprises thirty-eight benefices, including all in the county of Tipperary. The chapter consists of a dean, archdeacon, precentor, treasurer, pisd five prebendaries.
(Frascr, Handbook for Ireland; Petrie, Ecclesiastical Architecture of Ireland; Trans. Royal Irish Academy, vol. xx. ; Ortnance Survey Map: Thom, Irish Almanac.)
CASHMERE, the most extensive of the alpine valleys of the Himalaya range, lies imbedded in high mountains, betwcen $33^{\circ}$ and $35^{\circ}$ N. lat., $74^{\circ}$ and $77^{\circ} \mathrm{E}$. long. It extends from south-east to north-west, between 74 and 75 miles, and about 40 miles in breadth, wheu the declivities of tho mountains are included. In the middle of the valley, near the capital, Sirinagur, there is a level plain some miles in width, which seems to have been onco a lake. The plain of Sirinagur is surrounded by high hills, with rather a gentle slope, and covered with fino large trees and exccllent pastures. Behind them rise the mountains, the loftiest of which is about 15,000 feet high.
Almost innumerable rivulets desecnd from the sides of the moun tains on the margin of the snow-line, aud are abundantly filled with watcr at all seasons. They join in the centro of the valley a river which rises at its south-enstern extremity. This river, called the Jelum, or Behut (the Hydaspes of Alexander), has at Sirinagur, about 60 miles from its source, so much water, that Bernier compares it with the Seino at Paris. Its courso through the plain is gentle, and it continues so to the Lake of Wulur, issuing from which in a westerly direction, the river enters a hilly country, where it is soou narrowed by stcep rocks. It forms several rapids and cataracts, until it reaches Muzzufferabad, a town of the Panjab. The Jclum joins the Chenab
(Aceines), nod dowe into the Indua. The Lake Wulur han a eirenit of about 40 nilem. It is jartly eurnounded ly extemivo foresta, In whioh thero aro numerote wild animala Near the capilal is another hkecalled Dhai, which, though ahallow, la of oonidernbleextent ; it in divided by drtan into noremp parth, and contalme many foating handa.

Numerous canals interwect tho plain in every direction, which, besidew watering the contiguons landa, afford preat facilitios to communication, belng large and doep eqough to be navigated by river barges In summer the heat though premt in lean oppreaive than on the banlen of the Cinges or Jnram, The winters ano of courno cold in a valley which is 5000 or 6000 feet above the men. In 1822 Noorenof found that the anow begas to fall in the milidle of December, and the plain wan not clear of it before the end of March. The nky during tho winter months (from Decomber to Msreh) is eo misty thnt the win is seldorn seen, and when seen it is only for a short time. Towarde the end of Jarch and in April it is more frequently rinible, but attealed by a rapid succemion of gusts of wind with hail. Jone, July, and August are lot; but the morning=, orenings, and nighte are senerally cool.
Somecimes, though raroly, afluro of the rico crop lias been experienced, owing to the nummor hent not lasting long onough to ripen the grin. Cashmero prodnces wheat, barley, buckwheat, millet, maize, pulse, and rice. Rico may be considered ns the staple. It is grown at a contiderable oleration on the declivities of the mountains, the streams which descend from their siden afford ficilities for watering the fields The singhara, or water-tun, whleh during eight or nime months of the year is flahed from the bottom of the Lako Wulnr, affords a supply of food for many of the poorer inhabitants. Of this article 60,000 tons are procured annually, sufficient for the support of 20,000 persons Tho mucilagiuous pith of the ratertily also mpporta a considerable number of people during cight months. Turnips, spinach, loose-leared cabbages, and lettnces of the same deacription, are rained in the usual Way; and cucumbers, gourds, and molons, in great quantitics, by the ingonious and simple contrivance of platformil floating on the lakes. These suimming beds are commonly 2 feut thick, 7 feet broad, and of considerable length. Among the cultivated plents the crocus is the only one which furnishes an article of export, the saffron of Cashmere being known in all parts of Weatern Asin.

The principal fruits are apples, pears, peaches, quinces, apricots, almonde, pomogranates, mulberries, walnuts, hazel-nuts, pistachios, plums, cherries, and a nondescript speciew of grapes, called 'sungut' by the natires. This grape siolds by distillation a beverage which, in the opinion of the Chinese, is not luferior to that of the ordinary grape. Cummon grapes also abound, and the wine which ls made resembles Madeira. Nost of these fruit-trees cover large tracts of gronnd on the declivities of tho hills, and have no owners ; the fruit is gathered by the labouring classes, and often constitutes their principal snbeistence. No trees are cultirnted with any care except the walnut, of which there are three different kinds. The kernel is eaten, and used for making oil ; and the husks of the fruit are employed in dseing black. Cashmere is famons for it flowers, eppecially roses, which are cultirated with care, and from them 'attar' is extracted.
Horses are not numerous, and aro of a sinall size hut hardy. More attention is paid to black cattle; the hreed is not Inrge, but gives abundance of milk. Sheep are rery plentiful and their flesh is well fisroured: gosts abonnd In different places. Neither poisonous nor carnivonous wild animals are said to exist in Cashmere; but the forests abound with some kinds of deer, and the rivers with fish and water-fowl. Bees aro rery numerous, and cach farmer has sereral bee-bives in the walls of his housc. These hives are of a cylindrical form, and exteud quite through the wall. Silk-worms are reared to some extent. Iron is ahundant. Copper, plumbago, and Iead exist, bul are not worked.

The population of Cashmere, formerly a million, was roduced by the tyranny of the Sikhs to about 200,000 . It consists, with fow exceptions, of the natires, who appear to be of Hindoo origin. The Cabmerians are induntrious, which is shown in the excellence of their culhiration, and the perfection which their manufactures have attalned. The princijul branch of industry is shawl-making, in which 60,000 indivlduale aro cmployed, though the number of looms, which two hundred yeare ago amounted to 10,000 , han been greatly reduced. According to as catimate, 80,000 mhawls are anuually made, but the number is conmantly fluctuating, so that no cerrect entimate can be formed. I'aper is mannfactured, and is considered the best made in Westorn Ant The Cushmerians work with great skill and taste different objecte in woorl, which, au well as licker-work, are exported to the nolghibouring countrice. The extraction of the attar of roses is an inportant branch of induntry. The transport of goods over the bigh nountalus is chiedy effected by men who carry them on their backa Botween Canhwere and Lalak sheep are employod to carry burdena.
sirinagur (Sranagara), the capital, contains not more than 10,000 frhebitatr. It in nearly in tho centro of the plain, on the right bank of the Jolum, and is travenod by two amall river. The streets are narrow and dirty. The houses, built of wood, are commonly four storien high, and momotimes ligher. Tho ground-foor merren nu siflen, and for bolding agricultural or other utonails. The family

Hie in the first floor, asd the third and fourth are used as magarinco of goods and provinions. The roofe of tho house are coverod with tul? up the river Jelum, is aleo a conmilerablo town, situated on the right bank, whero the river becomos navigable for bargeas Sampre, likowiso - jupulous town, is also on the right bank of the Jelum, but about twelve milles below Sirinagur.

Cubmore neems to lave formol an indepondent kinguon up to the 1 th or Ith century, when it was mubjected to the biaznevides, nad afterwards unicod to the dominions of the emperors of Delhi. When that empiro was deotroyed, about the milddlo of the last century, Cashmere was taken by the Afghans, who remaliod in ponsemion of it until I8I9, when It became a part of the extensive dominions of the Maharaje Itunject Sing, the sovercign of the Sikhe. It at prowant fomm part of the territorice held by Gholab Sing under Britivh alliance and oupervition. The area of the entire territories of Cholab Sing is 25,123 square iniles, and the population amounts to $i 50,000$. By the terms of the compact between the Maharaja and the Britimh government the British mupremacy is acknowledged on the ono hand, and on the other the IRaja is to be assisted in defending himself againet Jis enemiea. The Maharaja maintains a Iarge military force. (Bernier; Forster; Moororoft ln Qeognaphical Jomenal; You IIugel.)

CASOLI. [Abruzzo.]
CASPIAN SEA, an inland salt lake of graat extent, which liew on the boundary-line between I:urope and Asia. It extends from its most northem point, near the mouth of the river Ural $\left(47^{\circ} 20^{\prime}\right.$ N. Int.), to its most southern point $\left(36^{\circ} 40^{\prime}\right)$ which is nearly at an equal distance from the Lowns of leesht and Asterabad, in a straight line about 740 milen; but a curve drawn through the centre from its north. eastern corner at the mouth of the river Kilba Djom or Emba to its most southern shoren measures about 900 miles. The general direction of Its length is from south by east to north by weot, but the northem part is curred to the enst, and thero forms a bay nearly ns wide as the main body of the lake. Ilere its width from west to enst is 430 miles, but its average breadth is only about 210 miles. Its most eastern point is the Gulf of Mertroi Kultuk, which extends to $54^{\circ} 10^{\prime}$ F. Iong. ; the Bay of $\mathrm{k} u m \mathrm{~m}$ on ita woatern share reaches to $46^{\circ} 50^{\prime}$. The area coverod by the Caspian Sea probably exceeds 150,000 equare miles, a surface as large as that of Spain.

The Caspian Sea has rery few bays. The most impoitant aro the Mertvoi Kultuk, or the Dead Soa, which forms the most eastern corner, and by one of its branches, the Tuk-Kara-su, incloses the peuinsula of Manghialack on the east. Farther sonth, nearly in the milddle of the castern shores of the Iake, is a smaller lake called Kiooli Deria, which contains bitter water, and is united with the Caspian by an open strait. Still farther south is Balkan Hay, where the ancient mouth of the A moo Deria, or Oxus, is said to have cntered, and which Dr. Hichwald says be traced up its old bed for 56 miles ("Alte Geographie des Crapischen Mleer'). On the westem side is the Bay of Salinn, into which the Kur cmptios itself; and farther north the Bay of Kuma, which contains the mouths of the Terek and the Kuman. At the mouth of the Volga, the largent of the rivers that fall into the Caspinn, there is no bay; the numerous islands formed by the deposite of the stream project some miles iute tho sea.

The shores of the Crspian aro in geveral bo Iow and flat that mont parts are iuundated when a atrong gale from the opposite point blown for a few days. Tho highest shores aro those of the jeninsula of Abcheron, or Apsheron, which projects on the wostern slde from 40 to 50 miles into the nea; but even here they do not riso to a great height. The southern portion of the sea, from the peninsula of Abeheron to the Bay of Asterabad, the southeastern comer of the Cespian, is inclosed by the high range of the Elbury Mountains from 15 to 30 miles distant from tho beach, betweon which and tho water oxtends a Iow flat country.
The castern shores, with the exception of the few gulfs above named, extend in nearly a metraight line between $87^{\circ}$ aud $47^{\circ} \mathrm{N}$. Jat., from the Gulf of Aaterabad to the hight of Limba, which receires the waters of the Emba at the north-east extremity of the mea. All the shoro of this hight, as well as that adjoining lt to the north and northwest, is cxtremely flat and shallow, in consequence of the nandy and other deposits carried down hy the Volgn, the Ural, the Tuck, and other large sivers The consequence is that for meveral milon from tho north and morth-enstern ahorom there ls only a fow feet depth of water, and the great number of sand-bruks and sand-hills mako it difficult to land. Thero aro similar sand-hills along the shoro and inland among the steppres, but they do not form connected chains, From the Mertrol Kultuk amall chain of calcarcous hllls oalled the Chink IFill forms the rampiart of tho plateau of Usturt, or the Turkman Isthmus, which extendm nearly in a straight line with a hreadth of about 150 milen between the Sen of Aral and the Caspian. This plateau descends abruptly to the banin of both seas; its height in some places cxceuding 727 foet, and never being less than 550 feet sbove the level of the Coppian. The extreme headlasds of thls high plaln surround the bight of Tuk-Kara-nu, the southern hranch of the Alertvor Kultnk. The promontory of Tuk Karagnn is formed by the extremity of the Manghinlak and Tuk-liaragan hills, which inclose the whole coast southward to Nloxander'm Bay, and extend nealy from
north to soutl. Theso hills consist thronghout of recent tertiary formations. The depth along this coast is seldom so little as 6 fathoms, generally between 10 and 18 fathoms. Several rivers flow from the plateau into Alexander's Bay. Round the Bay of Kenderlin, still farther south, which is said to be very deep, the land shelves off, but a small chain of hills runs inland and is lost in the plateau. From $40^{\circ} \mathrm{N}$. lat. the Bay of Balkan is bounded by the extreme points of the elevated plateau rising steep and precipitously from the shore, and presenting on the top porphyritic formations, which in remote times have broken through beds of granite, and which occur in some of the islands in the bay, and also at a great distance from the shore on the flat and elevated plateru. The plateau here also however is geuerally composed of the tertiary calcareous rocks, which towards the bay crop out in single protuberances. The extreme part of the plateau of Usturt is the Krasnovodo Mountains, which join the chain of the Great Balkan Mountains; these lie between the Bay of Balkan and the desert of Khiva. The south shores of the Caspian are low and swamp; hut the mountains at a considerable distance show the porphyritic formations, especially about the snow-capped volcano of Demavend. The only considerablo river that enters it from Persia is the Kizil-Ozein.

The depth of water is considerable towards the south extremity, where it attains 600 feet. In geueral the depth decreases considerably towards the shores. Along the western shore its waters deepen gradually by shallow steps. Its waters are not so salt as those of the ocean, as might be expected from the great volumo of water thrown into it by the Volga and its other tributaries; along the shores, near the mouths of the rivers, horses do not refuse to drink.
The Russians of Astrakhan use brigs from 150 to 200 tons; but the Persians only small ressels from 50 to 70 tons. Russian steamers now ply on this zea between Astrakhan and the Persian coast. The navigation is dangerous, owing to the prevalence of north-west and south-east gales, which sometimes blow with great violcnce for inany days together. They raise the surface of the sea from $3 \frac{1}{8}$ to 4 feet along the shores on which they blow, and inundate the contiguous low countries to a distance of scveral miles. The fisheries give employment to the inhabitants of the adjecent countries. Numcrous shoals of sturgeons, belugas, sterlets, salmon, and other fish at certaiu seasons ascend tho rivers, especially the Volga, where such large quantities are taken that this fishory is thought to bo only inferior to that on the bauks of Newfoundland. Seals are common, and are taken on some islands and on the eastern const. [Astrakhan.]

Naphtha or petroleum frequently occurs on the shores of this sea. In the peninsula of Abcheron the whole soil seems to be strongly impregnated with it. [BAKU.] It is perhaps found in still greater quantity on the island Naphthalia, or Tchilehon, the largest of the islands of the Caspian Sea, situated in the Bay of Balkan.

The Caspian appears to be subject to sorne extraordiuary changes in the level of its surface, which have not yet been completely investigated. The inhabitauts of Enzillen, the port of the town of Resht, assured Colonel Montcitl that it rises and falls several feet in periods of nearly thirty years; and Hanway has collected some facts to prove that iu his time (1746) it had a much greater depth at several places than when it was navigated by the expedition of Peter the Great. Monteith himself observed in a few years a considerablo decrease of its waters. There are no tides on the Caspian. The northern portion of it is annually covered with ice.

Since the middle of the last century it has been known that the surface of the Caspian Sea is lower than that of the ocean. It was observed that in Astrakhan the barometer was generally above 30 inches. In 1812 an attempt was made by Engelhardt and Parrot to settle this quention by a scries of levellings and baromotrical mensurements. They effected this across the Caucasian isthmus at two different places. Ono of theso measurements made the Caspian Sea 54 toises, or about 348 feet lower than the Black Sea; the other garo a difference of about 47 toises, or about 301 feet. Doubts being reasonatly entertained respecting the correctness of theso measurements, the Rusian government ascertained by a trigonometrical survey and a system of levellings executed in 1836-7 that the surface of the Caspian was only 84 fcet lower than that of tho Black Sea.

Strabo (xi, p. 509) says that the Caspian was connected with the Euxine through the Palns Macotin (Sea of Azof)-an opinion revived by Pallas and other modern writers, who maintain that the Caspian Sea at some very remote period covered the extensive plain which lics between tho most outhern ranges of the Ural Mountains and tho Black Sen Jallas inferred this from the peculiar nature of the soil, which consists of sand partly numixed with other kinds of earth, and partly containing a portion of clay loowely mixed with it. Therc is no grase upon it; and shells frequently occur which are met with in the Caspian Ses. It is also impregnated with salt, aud contains a great number of smaller and larger salt-lakes, among which that of Elton is the best known, from which large quantities of salt are annually procured. This plain is bounded on the north by a wall-like ascent, elevated at an average 300 fect above it, which in the peculiar form of its margin resembles very much that of the coast of the sea. This ascont extends from the south-western extremity of the Ural

Mountains (the Obshtshei Syrt) in a south-western direction, crosser the Volga below its great bend to the east, and divides the source of the small river Sarpa (an affluent of the Volga) from that of the Manytsh. Hence it runs west, and terminates not far from the confluence of the Manytsh with the Don. According to appearances it is very probable that when the surface of the Caspian Sea was at a higher level there was a passage along the present course of the Manytsh River between the Caucasus and the ahove-indicated ascent, which united the Caspian and the Black Sea. Engelhardt, who determined by a series of levellings and by barometrical measurements the difference in the level of the two seas, estimated the source of the Manytsh to be only 16 toises, or 102.4 feet above the Black Sea.

It is the opinion of some writers, both ancient and modern, that the Sea of Aral once formed a part of the Caspian, or rather that they were connected by an arm of the Oxus; but from the nature of the Turkman Isthmus, which is stated in our article ou the Sea of Arac, it is extremely improbable that any river from Central Asia ever flowed into the Caspian. A further erroneous opinion, which is sanctioned by Strabo, extended the connection of tho Caspian heyond the Aral, even to the Arctic Ocean ; and Humboldt, in his 'Fragmens Asiatiques,' has traced out a comparatively narrow low tract of land, which extends on the eastern side of the Ural Mountaius from tho northern part of the Sea of Aral hetween the rivers Ishim and Irtish, through the steppe of Baraba, and thence on the west of the Oby to the swampy coasts of the Arctic Sea. This low ground is iudicated by a continuous series of lakes. Another aucient notiou, preserved in a fragment of Hecatæus, was that the Caspian and tho Euxine were conuected by the Phasis.

The Caspian was known to the Greeks and Romans. Herodotus (i. 203), the first who mentions it, calls it the Caspian Sea, a uame probably derived from the Caspii, who inhabited its western coast. This name it has preserved, though later writers limited the term Caspian to the western portion, calling the eastern the Hyrcanian Sec. Herodotus gives a, pretty just idea of its exteut, stating that $i$ ts greatest width was about one-half of its length; that it took a vessel with oars 15 days to traverse its length, and 8 days to cross its broadest parto He also maintains (i. 202) that it is an inland sea having no conuection With the external ocean. Aristotle ('Meteorologica,' chap. 2) does not differ from the historian in his opinion as to the Caspian lake; but about this time an opinion began to prevail that the length of the Caspian Sea was in the direction from east to west. This form of the Caspian is preserved on all our maps up to the beginning of the lnst century, when Peter the Great seut an expedition to exploro the sea.
(Pallas; Engelhardt; Humboldt; Col. Monteith, Eichwald, London Geogr. Joumal.)

CASSAGNE-BEGONHES. [AVEYRON.]
CASSEL, HESSE, Electorate of. [Hesse Cassel.]
CASSEL, the capital of the electorate of Hesse Cassel, is situated in the provinco of Lower Hesse, on the Fulda, which is navigable, in about $51^{\circ} 18^{\prime} \mathrm{N}$. lat., $9^{\circ} 30^{\prime} \mathrm{F}$. long. ; at a distance of 124 uniles by railway from Frankfurt-am-Mayn, and has about 33,000 iuhabitants. It is surrounded by walls on every side except that which is bounded hy the Drusel. It has 11 large and small gates, and is divided iuto the Old Town, Upper New Town, and Lower New Town, and the three suburbs of Wilhelmshöhe, Frankfurt, and Leipzig. The Old Town is a collection of crooked, narrow, and dirty streets, which are rendered still darker by the height of the houses. It contains the spacious square called the Palace Square, which is 900 feet long and commands a prospect of the beautiful valley of the Fulda; the market-place; the first story of a vast unfinished palace begun by a former elector of Hesse in 1820 ; the public offices; the old town-hall; the government buildings; the Stadtau, appropriated to public amuements; the packing-hall, and the furniture-hall. There aro likewise St. Martin's Church, with the catacombs beneath it, iu which the remains of the sovereigns of Hesso Cassel are deposited; several other churehes, a synagogue, an orphan asylum, and an hospital; an arseual, foundry for cannon, a house of correction, and other public cstablishments. The Upper New Town is tho finest quarter of Cassel, aud may vie in splendour with any city in Germany. It coutains the Friedrichsplatz, 1000 feet in leugth and 400 feet in breadth. In the square stands the Flector's palace, a building of no pretensions to elegance; in the centre of the square is a statue of the elector Frederick II. In this part of the town also are several smaller squares; the boulevards; the Royal Street, nearly a mile long; the barracks; and tho street of Bellcrue, which overlooks a splendid country. Among other edifices in this quarter are the museum, which is considered the finest structure in the town, and contains a library of 90,000 volumes, collectious in numismatics, natural history, antiquities, experimeutal philosophy, \&c., and an observatory; the Bellevue palace, aud other palaces; the electorial stables and riding-house, town-hall, mint, the academy, lyceum, a normal, and civie school, the theatre, the New Town and Roman Catholic churches, an hospital aud infirmary, a poor-house, \&c. The Lower New Town is the site of the Castell, an ancient structure surrounded by walls and a ditcb, for the safe custody of state and military offenders: it contaius the Lower New Town church, a Protestant orphan-asylum, infirmary, lying-inhospital, house of correction, prison, \&c.

In tho Lelpzig suburb are an borpital, an indirmary, mud an macious building with laborntorion; In the Frankfurt suburb, a bridewell or bouse of Induntry, poultry-hall, \&c.; and In the Wilhelmahöher muburb, a large hopital. The town and its onvirom abonall in benutifui promenertes Anong thee mut bo mentiomet the Angreten with It marblo bathe, ntatuen, and has rolicfs; tho summer palncegandens at Wilhelroaliuher funons for thoir water-worka, their comeervatorien, and the theatre, built by liing Jorome Bomaparte, and now converted into ball-rooms, aul the cancmle of Karlburg with lte coloseal statuen of the giant lincoladis and llercules, lu the hollow of whose club elght persour insy ntand.

Independently of tho eotablishments alrendy uuentioned, Cassel ponemicn an ncademy of arth, rith echooln of painting, neulpture, and derign ; a eociety of antiquarinum an agricultural antocintion, a biblo sociotr, and a medical collere. The manufneturen of the town, none of which aro on an extemivo scale, consist of silks, cottons, hats, tobacco, earthenwwro, refined sugara, woollens, gloves, outlery, da. Camel has two largo faira annually, but althongh it lies on a navigable river, it is not tho meat of any great trade. Every great road about Cancel has aveuncs of trees.

CASSEL. [SORD.]
CASSINE [ALEsANDRIA.]
CASSIS. [BOUCHRS-DE-R13ONE] ]
CASSITE'IRIDES, a group of ialands, generally supposed to be the Scilly lalands. They are first mentioned by Herodotus (iii. 115), who profeses however his ontire lgnomnce of them. Strabo (uii. 175) obecres-"The Camiterides nre ten in number, and lie near to one nsother, to the north of the port of the Artahri (Cape Finisterre), out in the open sea. One of them is unlababitod, but tho rest are occupied hy people who wear black clothing coming down to tho feet and tied round the chest. They gombout with stickn in their hands, and with beards as long as that of a gont. Thoy live mainly on their flocks in nomadic fanhion. They have mines of tin and lead, which with akius they give in cxchange for earthenware, aalt, and copper vemole, to the foreign merchanta. In former times, the Phoenicians alono uncl to mako this vogage from Gadeira (Cadiz), and kept it a secret from all tho world-The 1 ounans, after repeated efforts, becamo acquainted with this navigatio:. 11. Crassus having passed over to the islands, observed that the mines wero-worked at a very small depth, and that the inhabitnnts wero peneenbly disposed," \&c.

The Greek namo of the motal 'tin,' which is 'crassiteros,' occurs in the liad of Homor, and the name of the islands is obvionsly derived from the name of the metal. Cneslteros howerer may not he a genuine Greek word; it is probably derived from 'knstlra,' the oriental term fortin, which may havo been introduced to western Europe by tho 1'honiciass, who rery probnbly tmded in the tin of the Malajan Archipelngo hefore they discovered that of Britain. It is difficult to suppose that Strabo's description applies to nuy other place than the Scilly Ialands, and yet their position is not very accuratoly given by him.

CASTELDI-SANGRO. [ABRU\%zo.]
CASTEL GANDOLFO. [Alba LoNG.]
CASTEL RODR1GO. [BEIRA.]
CASTEL SARRASIN. [Tarne-ET-Gabonve.]
CASTEL VETIRANO, \& town in the province of Trapani, in Sicily, is ritusted near the left hank of the Delin, 30 miles E. from the town of Trapanl, nbout five miles from the nearest point of the south const of the islancl, and has a populatiou of about 13,000. The town fis frraoun in works in coral and alahaster. It is hullt on a hill, and is an old-子ooking place, with an old castle, severnl churches, convents, and pialnecs. The country round Castel Vetrano is fertile in wino and rich praturca. A furs iniles from Castol Vctrauo, to the southeastward, nhe the ruins of the nncient Selinus. This ancient site is covered with brosen columna, capitals, and other arehitectural fragmenta. Tho columnn are a!! Doric, and of largo dimennons; they aro called ' (Giants' Pillars' by the peasantry. A fow columns are still standing. Somo finely-sculptured motopes were discovered nt tho bnse of tho facade of the central teinple in 1822. Thore are ruins of six temple in all [Trapani.]

CASTELLLAMMARF, the chief town of a sublivision of the prorince of Napoli, in the kiugrlom of the Two Sicilies, is situntod near tho hear of the Day of Niaples, on the lower slopes of tho Monte d'Auro (an offahoot of the limentono ridge of Monto Sant'Angelo), 18 milos by rallway S.1\%. from Naplen, nod has a population of 18,000 . It is connected by a branch milroad with the Naples-Nocorn line, tho firit railway opened in I taly. Tho towu standa on or uear the site of the ancient aldive, which was ruiued hy Sylla. In the Socinl war, and alcormand covered hy aphes from Mount Vesuvius in the eruption of A.D. OP. During thio eruption Pling the elder lost his life at Stahie. The hill abore Cantellammaro Is called Monto Qui-nisanaifrom its proTerbial aslubrity; It in covered with villan and casinl; among tho Intter in the royal caino of Qui-ti-ann, founded by Charlen Il. of Anjou, and now the property of the Inusian prince Lieven. Behind the hill rinen the Imposizg mam of Monto Sinnt'Angelo, which with ite triplo creat runs through the Sorrentine peninsula, and forma a conpleuous object between tho baye of Salerno and Naplea. Tho town derives Ite name (signifying 'cuntle by the son') from lin castl c , which wns erected ly tho emperor Foolerick 11 , murrounded by wnlls and towers by Charlen

1. of Anjou in tho 13 thi cen(nry, mud cubecpuently strougthened by

Alfomm I. of Arngon. The town whem macked hy tho army of Pius II. in 1461, and again In 1654 hy tho Duko of Guine. Tho harhour has a dopth of three to four fithons water; it in eurrounded by epreious quaye and protectod ly a mole. In comection with tho barbour are a bagnio for galloy alaves, and a royal amomal and dockyard, where tho alipe of tho Neapolitam navy aro louilt. Theso establishnents contributo materially to the pronperity of the town. Cnstellammare Ins boen celelirated aince tho tlmo of Galen for it mineral springn, which ane very effioncious in gouty nud rhoumatio affectiona. There aro twelvo of theas, - four clalybeato, four aaline, and four sulphureoua, -and they all rise at tho bume of the Monto d'Auro, within $n$ short ilistance from one another. They are all of modersto tompernture, seldom exceeding $65^{\circ}$ Fahr. Groat uumbera of visitera frequent Cinstellnmmaro and its delightful neighbonrhood during tho summer and autumn; the temperature in 8 or 10 degrees lower than that of Naples. The town, which gives title to a bishop, and has a handsomo cathedral, is well huilt, partly on the lower slopen of Monted'Auro but chielly along a sheltored beach commanding a vicw of the whole bay of Naplen. Some wheat is exported; the chicf imports aro conl, timber, and machinery. Armong the industrial products are macesroni, silk and cotton goods, and sail-cloth. Tho fiahories along the coast cmploy a good many hands. Somo oxcavations made among the ruins of Stabico in 1745 brought to light a few fragments of sculpture, some papyri, aud paintings, which are now in the Muscun of Naples

There is another Castcllammare, or Castcllamare, in the province of Trapani in Sicily. It is situated on the southern shore of the Oulf of Castellsmare, 22 miles E. from the town of Trapani, 27 miles W.S.W. from Palcrmo, and has about 6000 inhahitants. Tho town, which is ill-huilt and dirty, is named from its old decaying castle. It carrica on a considemble trade by sea, and has lnrge granaries ; the exports are corn, wine, fruit, cotton, manna, shumnc, dic. The remains of the ancient Segeata are near Castellamare: they conaist of a Dorio temple In tolerahle preservation, the ruins of a theatre, and a part of the city walls. Castellamare is said to occupy the site of the port of Sereata. [Trapani.] The town was half destroyed by a waterspout in December 1851.

CASTELLANE [ALrFs, BAssex]
CASTELLAZZO. [Alessandria.]
CASTELLO BRANCO. [BEMA.]
CASTELLON DE LA PLANA. [VALENCIA.]
CASTELLUCIO. [Basilicata]
CASTELNAU. [Lot.]
CASTELNAUDARY. [AUDE]
CASTILE, the name geucrally given in English to tho ancient Spanish kingdom and provinces of Castilla. [Cistilla.]

CASTILLA, the name of one of the ancient kiugdoms of Spain, which wrs at first $n$ condado (count5), subject iu some degree to the kings of Loon. In 1028 the last Conde do Castill died without issuc, and the condado fell by inheritance to bis sister, who was the wifo of Sancho I11., king of Navarra In 1033 the condado was erected into a kingdom, in fnvour of Fernando, second son of Sancho, by treaty with Bermudo III., king of Leon, whose wife was sister to tho wifc of lerzando. The kingdom of Castilla thus cstablished was on the death of lermudo in 1037 united to that of Leon, and so contiuucd till 1459, wheu Fernazdo II. of Aragon succeeded his father, Juan I1., as kiug of Navarra Fernando in 1160 had maried lsabel, queen of Castilla, and tho kingdoms thus unitod under Fernando and lanbel afterwards, on tho death of lambel in 1501, when Andalucia aud the enstern kingdoms had been wrested from the Moors, constituted the present kingdom of Sprain.

Castilla seem to have beeu so called from tho number of forts or castles (castillos) which had heen erected for the defence of the territory recovered from the Moors. The northern part of this territory, which was first recovered, and which is scparnted from the southorm by a mountain range, receired the titlo of Castilla la Vicja (Old Castile), and tho southery that of Castilla la Nivera (Now Castile), and they conntituted two of the nncient provinces of tho kingdon of Spain. They occupy tho largest portion of the great contral plateau or tablo-land of Spain, whlch has ans average clovation of 2500 feot above the lovel of the sen.

CASTILLA LA NUEVA, an ancient province of Spain, one of the two divisions of the ancient kingdom of Cnstilla, ls bounded N. hy Castilla la Vicja, S. by Andalucia and Murcia, W. by Iistremadura, and E. by Aragou and Valencia. It is situnted between $38^{\circ} 23^{\prime}$ and $41^{\circ} 15^{\prime} \mathrm{N} . \operatorname{lnt}, 1^{\circ}$ and $5^{\circ} 25^{\circ} \mathrm{W}$. long. Its greatest length from cest to west is about 250 miles, from uorth to south nbout 105 miles. It comprises the following modern provinces:-

| Provincen, | Area in square miles. | Population in 1849. |
| :---: | :---: | :---: |
| Madrid | 1,813 | 405,737 |
| Toledo . | R,:73 | 830,C00 |
| Guadalajarl . . | 1,916 | 120,746 |
| Cuença . . | 11,205 | 232,723 |
| Ciudad Renl (I a Maneha) | 7,313 | 302,304 |
| Total | 50,872 | 1,470,800 |

Madrid, Toledo, and Guadalajara, occupy the northern portion of the province, Cuenģa and Ciudad Real (La Maueha) the southern.
Surface.-The northern boundary of Castilla 1 la Nueva is formed for the most part by a range of high mountains, whieh, sweeping round from the mountain mass of the Moncayo, on the borders of Aragon, extends in a west-south-west direction to the Tagus in Estremadura. This mountain range at the western end is named the Sierra de Gata, Sierra de Gredos, and Sierra de Avila; north of Madrid it is named the Sierra de Guadarrama, the Somosierra, and the Sierra de Guadalajara. Farther east it is ealled the Sierra de Deza, which is connected with the lofty sandstone mass of the Moncayo. It forms an unbroken ehain which prevents all direct communication northward from Madrid, except by the lofty pass of the Somosierra. Two other roads however extending in a north-east direction cross the Gradalajara range, and uniting before they reach Calntayud, lead to Zaragoza. The summits of several parts of this mountain range are covered with snow all the year. Another monntain range of less clevation than thi former commences also at the mountain knot of Moncayo, and entering Castilla 13 Nueva near the sources of the Tagus, takes first the name of the Sierra Molins and afterwards that of the Montañas de Toledo. The general direction of this series of mountains is from east-north-east to west-south-west, and they divide the province into two extensive plains. The more northern has a uniform inclination from east to west, and is watered by the Tagus and its tributaries. The southern plain, which is separated from Andalucia by the Sierra Morena [ANdalucia], has not a uniform inclination, the eastern part having a southern slope, while the western part has a general slope towards the west. The Sierra Molina taking a south-west direetion separates into two ridges, one running west and joining the Moutañas de Toledo, the other, called the Sierra de Cuenga, running south to the Sierra de Alcaraz, in the south-east of La Mancha.
The mountains consist chiefly of limestones, marbles, clay-slates, and gypsum. The province is rich in minerals, but they have not been wrought to any exteut, with the exception of salt, iron, jasper, in the quarries near Cuenga, and quicksilver, iu the great mine of Almaden. [Almaden.]

Rivers.-The northern plain of Castilla la Nueva, comprising the provinces of Madrid, Toledo, and Guadalnjara, is drained by the Tagus (in Spanish Tajo) and its numerous tributaries, whieh before they reach the city of Toledo flow for the most part in a west-south-west direction across the great plain; but the Tagus, after passing Toledo, runs through a deep and long valley walled in on both sides by lofty mountains, offsets from the Montaxias de Toledo on the south, and from the Sierra de Gredos on the north. The principal feeders of the Tagus, in Cartilla la Nueva, are, on tho northern bank, the Tajuña, the Henares, and the Jarama, which enter the Tagus by one ehannel near Aranjucz; tho Guadarrama, which enters it below Toledo; and the Alberche, which enters it a little above Talavera do la Reyna. On tho southern bank the Cedron and the Algodar unite, and fall into the Tagus above the city of Toledo; below, a largo number of short tributaries reach it from the Montañas do Toledo. Neither the Tagns nor any of its tributaries is navigable in this province.

The southern plain, comprising the provinces of Cuença and Ciudad Real, or La Mancha, is drained chiefly by the Guadiana and its tributarics, whieh have a general western direction, and by the Jncar and its tributaries, which flow to the south and east, passing through Murcia and Valencia to the Mediterranean Sea. The Guadiana rises abont $39^{\circ} \mathrm{N}$. lat, and after making a curve towards the south, runs north-west past Argamasilla; below this it flows underground for about 15 miles, reappearing through a series of small lakes called the Ojos de Guadirna (Eycs of tho Guadiana) a little abovo the town of Daimiel, ncar which it receives the Giguela on tho northern bank and the Azuer on the southern; thence its course is west till it receives tho Cambron from the north, after whiel it takes a southern direction till the Jabalon enters it from the south-east, when its course becomes west, and having received tho Bullacho from the north enters Estremadura. It is not navigable in any part of this province. The Jucar rises in tho Sierra Molina, and flowing south receives the Jurn, and then turning east enters Valencia, where it receives tho Cabriel with its tributaries tho Moya and Guadazaon.
Climate and Productions.-The climato is dry and healthy, but owing to the elevation of the surface the winter is very cold. Iu summer the heat is great; violent winds sweep the plains, whieh then become dry and dusty. The soil is generally fertile, and produces abundant crops of wheat. Water is scarce, the average fall of rain on the tablelanil being only ten inches. Thero are few trees, and tho plains being without hedges or inclosures of any kind have a eheerless and monotonous aspect. The slopes of the mountains and the valleys afford plentiful pasture to large flocks of sheep. Cattle and horses are also reared, but not in large numbers. Mules and asses are numerous and of great beauty. The principal objects of eultivation besides wheat are olive-oil, wine, fruitz, saffron, honcy, hemp, silk, and garbanzos, a sort of pea much used for food. The wines of Almagro and Val do Peflas are in high estimation. Wood for fuel is searee except in the vicinity of the mountain foresta, which contain plenty of timber and smallor woorl, but aro diffieult of appronels for want of good roads, in conscquence of whiels almost the only means of tranport for all kinds of proluce is ou the backs of mules. The
manufactures consist mostly of coarse cloths and other articles of
common use. common use.
Torens.-Madrid is the capital of the kingdom of Spain, of the ancient provinee of Castilla la Neuva, and of the modern province of Madrid [Madrid.] Araláa de ITcnares. [Alcal de Henares.] stands in a fertile district between the rivers Jarama and Tajuña. Escorial, 24 miles N.W. from Madrid, stands on the southern slope of the Sierra de Guadarrama: the population is about 1500. The town grew up round the magnificent monastery of San Lorenzo, founded by Philip II. The ground-plan of the building is in the form of a gridiron. It contains a fine collection of paintings ; a library rich in aneient and especially in Arabie manuscripts; and vaults in whieh are the tombs aud monuments of some of the kings and queens of Spain. A royal resideuee is attaehed to it. The grounds are beautifully laid out, planted with trees, and adorned with fountains.
Toleclo is the capital of the province of Toledo. [ToLedo.] Alcazar de San Juan, 57 miles S.E. from Toledo, is a small town, in the neighbourhood of which are mines of iron, and which has saltpetre-works and powder-mills Aranjuez, 25 miles N.E. from Toledo and 28 miles S. by E. from Madrid, stands on the south bank of the Tagus, and contains a royal palace and gardens : the permanent population is about 4000. The situation is beautiful, aud is much resorted to in summer. The town contaius a large bull-arena (Plaza do Toros), a theatre, and numerous hotels, cafés, and publie walks. Consucgra, 35 miles S.E. from Toledo, stands on tho Amarguilla. Thero are remains of an ancient castle aud Roman, antiquities. Coarse woollens are manufaetured : the populatiou is about 5000 . Herencia, 54 miles S. E. from Toledo, stands on the southern bank of the Amarguilla. It is a eonsiderable town, with manufactures of soap and a large weekly market: population, 6400. Madridejos, 42 miles S.E. from Toledo, is situnted near the northern bank of the Armaguilla, which sometimes overflows aud damages the town. It is an ancient well-built town, with two parish churehes. It has manufactures of serge and a large annual fair: population, 6000 . Saffron is largely cultivated in tho viciuity. Talavera de la Reyma, 45 miles W. from Toledo, stands on the northern bank of the Tagus. It is surrounded by walls flanked with towers. It contains eight ehurches and a college, and has manufactures of earthenware, leather, and soap: population, 8000 . The Tagus is here crossed by a stone bridge. In the vicinity was fought the battle of Talavera, July 27 th and 28th, 1809. Tarancon, 60 miles W.N.W. from Toledo, stands near the northern bank of the Kianzares : population, 5000.
Guadalajara is the eapital of the province of Guadalajara. It is 35 miles N.E. from Madrid, and stands on tho eastern bank of the Hennres. The town is large, but ill-built ; it contains however several imposing edifiees, among which are eight churehes, a fine old palace of the Mendozas, and a royal cloth manufactory : population about 7000. Guadalajara is the chief town of the fine pastoral and whent distriet called the Alcarria, which is an Arabie word meaniug 'a place of farms.' Briguega, 20 miles N.E. from Guadlalajara, stands on the west bank of the Tajuña, also in the distriet of Alcarría. It is an old town, with a population of 5000 . Sigucnza, 40 miles N.N.W. from Guadalajara, stauds on the left bank of the Henarcs. It is an ancient episeopal town, and contains a large gothic eathedral riehly decorated in the interior, and containing several fue monuments. There are three other churehes, a college, and two hospitals :"population, 5000 .
Cuenca is the chief towu of the department of Cuença. It is 90 miles E.S.E. from Madrid. It stands on a high hill not far from the Jucar, and has a population of 8000 . It is the seat of a bishop, and has a large handsome and riehly decorated eathedral. The town is surrounded by walls, is well supplied with water, and has some woollen factories, paper-mills, and establishments for washing wool. Iniesta, or Miniesta, 48 miles S.S.E. from Cuenega, eoutains a fiue parish chureh, and has manufactures of coarse woollens: population, 4000. There are somo jasper-quarries in the neighbourhood. About two miles E. from Minglanilla, a village with 1500 inhabitants, there are very extensive mines of pure roek-salt. Molina de Aragon, 65 miles N. by E. from Cuenç, stands on a slope overlooking the Gallo, a small stream. It is surrounded by walls, and has a castle. A large part of the own was burnt by the French iu 1810. There are manufactures of cloth aud soap, aud it has a good trado in corn and wool: population, 4000. Molina originally helonged to Aragon, but was ineorporated with Castilla in 1293. Requeña, 70 miles S.E. from Cueuça, is situated on an elevation which overlooks a rich plain. It contains two gothic churches, and has mauufactures of woollen, cotton, and silk: populatiou, 11,000. Utiel, 9 miles N.W. from Requeña, has manufactures of hemp, linen, sills, soap, and leather: population, 6000.

Ciudoul Real is the capital of the province of Ciudal Real, which comprises the greatest part of the old province of La Mancha. It is a eity, 97 miles S . from Madrid, and stands in a plain between the Jabalon and the Guadiaua, on the road from Madrid to Cordora. It is surrounded by walls, is tolerably well built, and has 10,000 inlabitants. In the P'laza. Mayor there is a large bull-areua. The town has three fine churches, a college, and five hoppitals, ono of whieh, fouuded by Cardiual Lorenzaua, is a noble buildiug. A grent fair for eattle, mules, aud asses is held ycarly. Almaden is celebrated for
 Ciudal loonl, is situntod lu a fortilo planin, whlch produces corn, oil, and wine. It is colebrited for ite saules, which are comadderol among the best in Spain, for the melo of which an amnual fair is hekl. It ham exteruive maunfactures of laco: population, 12,000, Daimiel, 20 milou N.liL from Ciuded Meal, atands in a dintrict whero there aro extenaire malt-mambea. It has manufaetures of woollens and linens, and in a fouriahing placo: tho propulation in $18 \$ 5$ wns 9123 . Nananacres, 27 miles E. from Ciudad Real, stands in a plain. It contains a parich church, hopital, aralry barracke, and an old enstle : popuLation, 8500. Solana, 6 miles S.E. from Manzanaren, has manufacturen of limens and woollenm : population, 4100 . Val de Penas, 30 milem S.l. from Ciudad IReal, is a large straggling town, colebrated for the red wine which is made from the viues grown in the surrounding roeky diatrict: population, 9970.
(Minano, Diccionario Geografico de Evpaia ; Dietionmaire Geographique: Maps of the Sociery for the Inifusion of lineful K"nowledye: Ford, IIondbook of Spain: Mndon, Dicciamario de España)

CASTILLAA LA VIENA, an ancient province of Spain, one of the two divimions of the aucient kingriom of Castilla, is bounded N. by the Bey of Biecay and proviuce of Vizenya, W. by Leon and Asturine, Li by Navarra and Arngoln, and S. by Castilla la Nucra. It is situnted between $40^{\circ} 5^{\prime}$ nand $13^{\circ} 92^{\prime} \mathrm{N}$. lat., $1^{\circ} 40^{\prime}$ and $5^{\circ} 35^{\prime} \mathrm{W}$. long. Its form is very irregular: the greatest length from north to south is about 220 miles, the greatent breadth from cast to west is about 130 mile, but in some parts leas than 80 miles. It comprises the following modera provinces

| Provinces. | Ares is Square miles. | Populatiou in 1849. |
| :---: | :---: | :---: |
| Burgon . . . |  | 234,023 |
| Iagrono . . . | 76.4 | 183,510 |
| Santuader . . .) |  | 190,000 |
| Sorla . . | 4076 | 140,000 |
| Esporla . | 3166 | 153,000 |
| Arila . . . | $25: 0$ | 132,936 |
| Te:al . | 17,786 | 1,087,477 |

Burgos occupies the western part of tho province, Segovin and Avila the south-western, Soria and Logrono the eastern, and Santavder the northern.
Surface-The continuous chain of lofty mouutains which extends in a wouth-western direction from the mountain mass of the Moncayo in Aragon to Lstremadura, separates Castilln la Nuera from Castiln la Vieja, and divides the waters mhich fall into the Tagus from thoee which fall into the Douro (in Spanish Duero). The names of the different portions of this series of lofy sierras havo been mentioned under Castilla la NUEVA. The northern part of the prorince in cromed by the Cautabriau mountain range, a continuation of the Pyrences, and this range separates tho proviuce of Snntander from that of Burgos. The Sierra de Deza extends from the Moncayo in a south-weat direetion through the proviuce of Soria, and unites with the Somosierra; whilst other mountain groups extend from the Moncayo north-westward towards Burgos, separating the streams which fall into the Duero from thoso which fall into the Ebro. Northeast of the city of Jurgos the Sierra de Oca, one of these groupa, extends northward aud joins the Cantabrian chain, separating the head-waters of the Risuergh from those of the Ebro. In the south.west the province of Avila passes over the Sierra do Avila into the basin of the Tagus. The greater part of Castilla la Vieja is mountainova, but it has one large plain which is crossed by the Duero and its numerous tributaries, the northern part of it belonging to the department of Burgos, which extends south nearly to the Duero; the eastern part, whieh is hilly, to that of Sorin, whilo the southens and westera portions of it form the greater part of the departments of Segovin and Aviln. Theronre other smaller plains bet ween tho different mountain groupm, as well as numerous fertile valleys. The general height of the plains is not much less than 3000 feet The province of Santander is almost entiroly covered by high mountaina, officts from the Cantabrian chain; they are furrowed by deep and narrow valleys, and extend northward about 25 miles to the ehores of the Bay of Biscay. The coast-line of this province is about 80 milen in length.

The great mountain runge whleh separates the two Cnstillns conathe of primitlve rocks; the two great plains on each side of that range are hacustrino deposits of limestono, with fresh-water fossils. The Monchyo in a maw of old red ndstone and mountring-limestone.

Rirecra.-CNstilln In Vieja has a general Flopo to the west, and is drained by the Duero and ith affluente; but the portion which is morthenet of the Sierre do Oca is drained by tho Fibro and its afloonts; while the rivers of the province of Santander have all a short and rapid oourre northward to the een. The Ducro rises in thin province, and nfer flowing mouthwarl peat the town of Sorin takes a westem coume, and enters the provinoe of Leon. [Douro.] The Ucero but a mouthern contme, and falls ints the Iheero on the north side. Tho Arlanzon has a weatern course past Burgos; It then
turns to the couth. west, and having recelved the Arlanza, which lins
a weotorn courno phet Lerma, enters the Piruerga, a large tributary Which flowa south and mouthewent through the prorioce of Loon. The lines, the l'iron and Cegn (whieh uvito), and tho liresma and Adnja (which aloo unite), fall lnto the Duero on the wouthern nide. There are sevoral mmallor affluenta, which in nummer ane roduoed to meno brookn, but during the rains of spring and autumn becomo repid tornenta. The libro crosses tho nortborn part of the province of Burgos, and fortne the north-eatera boundary of that of Sorin. It roceiven the Nobs on the nortborn bank, and the Ocs, the Tiron, and the Oja ou the couthern bank. The principal rivers of the provinee of Santander aro tho Deba, the Nansa, the Beany, the Mierm, and the Anson.

Climate and Productions.- Tho climato is excomively hot in summer, and vory cold in winter. A cold bointerous wind hlows in Dotober, and snow covers tho ground ofteu for threo monthin, and rests on the summits of the mountains for a groal part of the yeur. The surface of the great plain is of a truly monotonous character: it is arid, wlthout meadows or trees, covered with a seanty regetation, whioh iu summer almont cntirely disappears A conviderablo quantity of wheat is exported, but care is prid empecially to tho rearing and feoding of shoep, the number of which is very great. In summer the mountain pastures of the siorras are froquented by countless numbers of migretory sheep, which remain here till tho beginning of October, when they commence their return to Anclalucia for the winter. The inhabitants live in hamlete, which aro ofteu sercral miles distant from each other. The want of wood for fuel is greatly felt. The offshoots of the mountains on the borlers of the plain are covered with underwood and crorgreens, and in many placos with extensive forents; and in the sheltered parts pens, wine, wheat, and oil are abundautly produced. The manufacture of Old Castile are confined to coarse woollens, cotton, lineu, leather, and glasa, On the eastern side of the Sierre de Oca the country is very mountainous, but contains many fertile valloys and high plains, in which corn, wine, and all kinds of fruite, except oranges and lomons, are produced. This portion of the province forms the worthern part of the provinces of Burgos and Soria Sheep, mulen, pigs, asses, and horned cattle are very numerous, and form the principal wealth of the country. The mountains are cold and wild, but in summer affori excellent pasturage; and in many places they are covered with forests of chestnut, fir, and pine. Iron and other minerals abound, but no mines are worked. In the province of Santander, 1maize, Wheat, and wine of inferior quality are produced. The lighlands contain fine pasturage, and in many places are corcrod with foresta of chestnut, onk, pine, and fir. A great deal of butter is mado. Goats are rery numerous. There are iron-mines, from which a considersblo quantity of iron of tho best quality is obtained.
Tooms.-Burgos is the capital of the province of Burgos. [Burcos] Aranda, 18 miles $S$. from Burgos, stands on the north bank of the Duero, among plantations of vines. The river is hero crossod by a good bridge. The town contains a gothic church and a bishop's palace: population, 4000. Briviesca, 25 miles N.E. from Burgos, stands, near the webt bank of the 0 ca . It is a squary town, regularly built, and walled: population, 2500 . Ierma, 25 miles S. from Burgos, stands on the south bank of the Arlanza. It contains a fine old palace, built by tho Cardinal-Duke of Lerma: population, 2000. Miranda del E6ro, 50 miles N. Lis from Burgos, is situated on the southern bank of the Fibro, which is here crossed by a stone bridge of six arches: population about 3000 .

Logrovo is the capital of the provinco of Logrozio. This province is of recent formation. It extends along the right bank of tho Eibro, from near Miranda del Ebro to Alfaro and southward to the Sierm de Ocn, thus includiug portions of territory which proviously belonged to the provinces of Burgos and Soria. The tomn of Logrotio is about 67 miles E . by N . from Burgos. It is situated on the eouthern bank of the libro, whieh is leero crosset by a strong bridge, built iu 1188. It is surrounded by walls, outside of whicla there are two suburbs. It is a wellsbnilt towu. There are aoveral churelies, a college, and a theatre, and somo manufactures of lonther, bnte, and brandy: population, 7000. The plains about the towu aro very fertile in corn. Alfaro, 97 miles E.S.F. from Logroño, stands on the Alama near the riglat bank of the İbro. It is a walled town, containe a collegiate chureh, and lins inauufactures of soap and lenther: population, 4000 . Arnedo, 82 miles S. F. from Logrolio, is situated in a fortilo district, and has a good trade in wine and fruits: population, 3500 . Calahorra, 27 miles $1 \because$ S. F. from Logrono, is situated on a gentle enuinence, at the foot of which the Cidneos entern the Kibro. It is the Calaguryis of the llomans, and was a very strong place, celobrated fur the sieges by Pumpeius and Afranius. It was tho birthplaco of Quiutilian. Portions of a circus, an aqueduct, a maumachia, and towern, havo becu traced. It contains a cathedral of mixed gothio. $1 t$ is now a decayed town: population, 6000. Haro, 46 miles E.N.E. from Burgon, is situated at the foot of a hill near the southern bauk of the Ebro. It hns manufactures of hats, leather, brandy, and liqueurs: population, 6000.

Santander, the capital of the province of Santander, is a large town and sea-port, on the shore of the Bay of Biscny, about 85 miles N. from Burgos. It stands on a herdiand, and is a well-built town, with a capacious well-sheltered laubour deep enough for large vessels. It
is a place of cousiderable commercial activity, and carries on an extensive trade with Cuba, to which it exports flour ground at the large mills in the neigh bourhood. Wool is exported to England and other countries. The imports consist chiefly of colonial produce. The town is the seat of a bishop, and bas a cathedral, three other cburches, three hospitals, a prison, college, theatre, and baths. Tbe population in 1845 was 15,286 . Laredo, 17 miles E. from Santander, is a small town with a harbour formerly deep but now cboked up with sand : populatiou, 3000. Santillana, 17 miles S.W. from Santander, stands near the coast in a rich valley on the Besaja, a feeder of the Besaya: population, 2000. Santoña, 15 miles E. from Santander, is a small fortified town on a peninsular beadland in the Bay of Biscay. It has a good harbour, and tbe town contains an arsonal and barracks, and there are anchor-forges : population, 1000 .

Soria, the capital of the province of Soria, is 75 miles S.E. from Burgos. It atands on the right or wcatern bank of tbe Duero, about 30 miles from its source. It is surrounded by a thick wall, but the citadel, formerly strong, is now in ruins. It bas manufactures of silks and a good trade in wool. Mucb corn is produced in the plains near the town, and numerous sheep are pastured on the slopes of the neighbonring hills: population, 3500. Agreda, 30 miles W.N.W. from Soria, stands at the foot of the Moncayo, and is divided into two portions by the Queiles, which is bere carried under ground, witb the plaza, a fountain, and houses over it: population, 3800.

Segovia, tbe capital of the province of Segovia, 100 miles S. by W. from Burgos, stands on a rocky eminence between two deep valleys, one of which is watered by the Eresma, and the other by the Clamores. It is a very ancient city, and was the residence of the early kings of Castilla. It in a long city with narrow streets, is surrouuded by walls, and contains many romarkable buildings, among which is a vast gothic cathedral, which has a tower 330 fect ligh. The alcazar, formerly the residence of the Moorish governors, is now converted into a nilitary college. A magnificent Roman aqueduct, consisting of two tiers of arches built of square blocks of granite witbout cemeut, is in a state of great perfection. Segovia is the seat of a bishop, has a handisome plaza, a mint, and five cburcbes. There are manufactures of woollen clotbs, paper, earthenware, and glass : population, 7700. San Ildefonso, 8 miles S.E. from Segovia, stands on the nortbern slope of tbe Sierra de Cluadarrama. It is famous for its manufacture of glass, and still more so for the splendid palace and grounds of La Granje, wbich is one of tbe seats of the Spanish kings, and the higbest royal residence in Europe, being 3840 feet above the sea-level. The palace grounds include fine gardens, a ricbly-decorated church, nad beantiful water-works. The palace contains many aplendid apartments: population of tbe town 3590 . Sepulveda, 35 miles N.E. from Segovia, is beautifully mituated on tbe Duraton, an affluent of tbe Duero. It is an ancient town, now in a decayed state : population, 2000.

Avila, the expital of the province of Avila, is 50 miles S.W. from Segovia. It was formerly a place of importance, but is now ducayed. It bas still however a fine old cathedral and a Dominican convent, both of which contain beautiful monuments. The extramural churcb of San Vicente is curious. It is said to have been built in 813. Tbe town has manufactures of woollen : population, 4000.
(Miñano, Diccionario Georrafico; Madoz, Diecionario de España; Ford, IIandlook of Spain; Macgregor, Statistics.)

CASTILLON. [CIRONDE]
CASTLE CAREY. [SoNERSETSITRE]
CASTLE COMBE [Wiltshrme]
CASTLE HEDINGHAM. [Fssex.]
CASTLE RISING. [Norfolk.]
CASTLE WARD, Northumberland, tbe soutb-eastem division of the county, and giving name to a Poor-Law Union. The river Tyne acperates the ward and the county from the county of Durham. Castle Ward Poor-Law Union contains 78 parisbes and townshlps, with an arca of 85,107 acres, and a population in 1851 of 18,897 .

CASTLEBAR, county of Mayo, Ireland; a market, post, and amsize-town, and the seat of a Poor-Law Union, in the parish of Aglish and barony of Carra, lies in $53^{\circ} 51^{\prime} \mathrm{N}$. lat., $9^{\circ} 15^{\prime} \mathrm{W}$. long., distant 159 miles W.N. W. from Dublin: tbe population in 1851 was 4436, besides 1584 in the workhouse and otber public institutions. Cautlebar Poor-Lav Union comprises 19 electoral divisions, with an area of 151,900 acres, and a population in 1851 of 38,746 .

Castlebar is sitnated on the Castlebar or Clydagb River, wbich, rising in the little lake of Castlebar, within milo and a balf of Clew Bay on the weat, flows north-east with tbe Moy, which it meets in Lough Cullin, to Loogb Conn, an inland lake in the centre of the barony of Tirawley, and thence runs northward to Killala Bay by Balliua. The river, winding in a serpentine direction tbrough tbe town, is crossed by three bridges. The principal street, upwards of balf a mile in length, occupies the lino of road leading from Westport to Swineford. Tho public buildinge are cblefly grouped together round an open space called the Green, ncar tbe entrance from Westport. Tbey consist of tbe county jail, a large building with a castellated front, a county court-bouse for Mayo, the cburch, with a handnome embattled tower, tbe infirmary, and artillery barracks. A cross street, occupying tbe line of road from Dublin to Newport, leads by a bridge over tbe Clydagh to the northern dinision of the
town. Tbe old jail and infantry barracks adjoin the entrance from the Dublin road by this street. The suburbs on both sides consist of wretched cabins

The town is of comparatively modern origin; it is stated in the
'Report of tbe Commissioners on Bogs in Ireland' (1814), that 80 years before that time there was but one cultivated field of about eight acres between Castlebar and the sea. The castle, which gives its name to the place, was a stronghold of the De Burghs. In tbe Fars of the rebellion of 1641 it was held by Sir Henry Bingham for the Parliament, when, being besieged by Lord Mayo and his son Sir Theobald Burke, on the part of the Irish Catholies, he surreudered on terms of being conveyed witb his troops in safety to tbe next garrison town, but after tbree days forbearance the fury of the iusurgeuts could no longer be restrained, and Bingbam, with all his company, was barbarously massacred. After the old lord's death his son Sir Theobald, tben Lord Mayo, was tried for the offence by a special commission appointed for that purposc, 17 th December, 1652 and being found guilty and sentenced to death was shot on the 15th January, 165s. Towards the end of the rebellion of 1798, Cleneral Humbert, baving landed at Killala with a force of not more than 1000 Freacb infantry, reinforced by about au equal nunber of undisciplined peasants of the country, met at Castlebar and put to rout 6000 British troops commanded by Generals Lake and Hutchinson. The action has since been generally known as 'tbe race of Castlebar.' Tbe town fell into the hands of the insurgeuts, by whom it was occupied for about a fortnight, till the surrender of Humbert at Ballinamuck (8th September 1798) put an end to tbe expedition.

Castlebar has some trade in linens, but the vicinity of Westport, wbich at a distance of eight miles has the advantages of being a sea-port town and the residence of an enterprising proprietor, operates considerably to its disadvantagc. The vicinity is picturesque and well cultivated. Castlebar as a parliamentary borough was disfrancbised at the Union. It is the county town for Mayo, and suffered extreme impoverishment in consequence of tbe potato famiue of 1846-7. Tbere is a savings bank in the town.
(Carte, Ormond; Fraser, Mandbook; Ordnance Survey Map.)
CASTLEBLAYNEY, county of Monaghan, Ireland, a market and post-town, and the seat of a Poor-Law Union, in the parish of Muckno and barony of Cremorne, is situated in $54^{\circ} 7^{\prime} \mathrm{N}$. lat., $6^{\circ} 46^{\prime} \mathrm{W}$. long. distant 62 miles W.N.W. from Dublin by road, and 73 miles by the Dundalk and Enniskillen railway. The population in 1851 was 2084 besides 757 inmates of the Union workhouse and other public institutions. Castleblayney Poor-Law Union comprises 21 electoral divisions, with an area of 94,213 acres, and a population in 1851 of 46,511 .
The town is prettily situated adjoining tbe richly plauted and picturesque demespe of Castleblayney, within the grounds of which the parisb church is situated. There are cbapels in the town for Presbyterians, Metbodists, and Roman Catholics. The towu consists of tbree principal streets radiating from the market-bouse, and is substantially built, clean, and siry. Quarter sessions for the county of Monaghan are held here in rotation. There are here a bridewell, and a station of the rovenue police. Tbe town is tbe head-quarters of one of the constabulary districts. The adjoining country is billy and mucb encumbered with bogs and lakes.
(Fraser, Mandbook; Ondnance Survey Map.)
CASTLECOMER, county of Kilkenuy, Ireland, a market-town and tbe seat of a Poor-Law Union, is situated on the river Dinan, 11 miles N. by E. from Kilkenny. The population iu 1851 was 1695 , and 29 inmates of the fever hospital. Castlecomer Poor-Law Union contains seven electoral divisions with an area of 57,820 acres, and a population in 1851 of 18,472 . The town is neat and well-built, and is sbeltered by extensive plantations, wbicb contrast stronglv with tbe bleak sterile country to the nortb of it. The public buildings include an Episcopal church, a Roman Catholic chapel, a small Wesleyan Methodist meeting-house, a court-bouse, and infantry barracks. Close to the town is Castlecomer House, which stands on the Comer, a feeder of tbe Dinau, and facing the ruins of an old castle. A weekly market is beld on Saturday.

CASTLEDERG, county of Tyrone, Ireland, a market and posttown and the seat of a Poor-Law Union, in the parisb of Skirts and barony of Omagb, is situated in $54^{\circ} 42^{\prime} \mathrm{N}$. lat., $7^{\circ} 37^{\prime} \mathrm{W}$. long. ; distant 140 miles N.N.W. from Dublin, on tbe road from Pettigo to Strabane. The population in 1851 was 596 and 225 in the work house. Castlederg Poor-Law Union comprises 14 electoral divisions, with an area of 91,775 acres, and a population in 1851 of 18,741.

CASTLEDERMOT. [Kildare.]
CASTLEISLAND. [KERry.]
CASTLELYONS. [CORK.]
CASTLEMARTYR. [CoRk.]
CASTLEPOLLARD. [WESTMEATH.]
CASTLEREAGH, county of Roscommon, Ireland, a market and post-town and tbe seat of a Poor-Law Union, in the parisb of Kilkeevan and barony of Castlereagb, is situatod in $53^{\circ} 46^{\prime}$ N. lat., $8^{\circ} 27^{\prime}$ W. long. ; distant 124 miles W.N.W. from Dublin. The population in 1851 was 1211, besides 1392 in tbe worthouse and 10 in tbe bridewell. Castlereagb Poor-Law Union comprises 19 electoral diviaions, witb an area of 162,363 acres, and a population in 1851 of 45,299 . The town is pleasantly situated adjoining tbe extensive demesne of

Cautlenoagh, the revidence of Lond Mount Sardfonl. It connista chlefly of one principal stroet, which is wide and straight and tolembly well buift, having the market-house and bridowell at one end and a bridge over the river Suck at the other. Connected wlth the town aro extemaive diatilleries Quarter smajons for the connty of Roscommon are belil at Cnatlereagh in rotation. There aro here a bridowoll, a barrack station, and miatlons of the rovenue police and the coneabulary of the diatrion I'etty seavions are bold ln the town.

## CASTLFTON. [DERETBMRE]

CASTLETOWN. [isLe or MiAx.]
CASTLETOWN, or CASTLETOW'N-Bl:REITAYEN, connty of Cork, Ireland, rilage and the wet of a I'oor-Law Union, in the pariah of Killsoonenagh, and barony of Bere, in pieturesquely situated at the inead of ESerohaven, on the north-weet side of llantry Bay, in $51^{\circ} 81^{\prime}$ N. lat. $9^{\circ} 54^{\prime} \mathrm{W}$. long.; diotant 27 miles S. W. by W. from Bantry. The propnlation $\ln 1851$ wan I831, including 12 in tho bridewell and 941 in the Union workhounc. Cantletown PoorLaw Union contains i olectoral divisions, with an area of 73,414 acres, and a population in 1851 of 18,269. Petty eeasions aro held at Castlotowa. Thero aro hero a bridewell and a dispensary. Finire are held on January 1st, Faster Tneaday, May 12th, and Septomber 4 th.

CASTLFTOWNDELVIN, county of Meath, Ireland, a small ponttown and the neat of a Poor-Law Union, in the parish of Castlotowndelvin and barony of Delvin, is situaterl on the road from Dublin to Granard, in $53^{\circ} 33^{\prime} \mathrm{N}$. lat, $7^{\circ} 2^{\prime} \mathrm{W}$. long., distant about 10 milo E from Castlopollard: population 348 iu 1851, with 6 iumatee of the bridewell. Castletowndelvin Poor-Law Uuiou eomprisea 19 electoral divisions, with an area of 74,775 aeres, and a population in IS51 of I5,627. The town consists of a single street In it there are an old chureh, which las been well repaired, $n$ Romau Catholic chapel, the Union workhouse, a dispensary, a bridewell, aud a loan-fund otrice. It is a station of the couty constabulary. Petty sesaions aro lield hero monthly, and annual fairs on May 18t, August Ist, and Decomber 1st. Tho ruins of a castio built by the De Lacys, consistiug of the walls in a quadrangular form with towers at the corners, and several other ruined castles, are in the neighbourhood. Clonyn, the seat of the Marquis of Westmeath, is in the vicinity.

CASTLETOWNROCIIE. [CORE.]
CASTLETOWASFEND. [CORK.]
CASTRES, a town in France, in the department of Tarn, is vituatod on the siver Agout, in $48^{\circ} 37^{\prime}$ N. lat., $2^{\circ} 15^{\prime}$ E. long., 16 miles E. from Toulouse, and has a population of 19,250 , ineluding the whole commune. In the middle ages this town was remsriable only for an abbey, the heads of which wero temporal lords of the place. It subsequently came into the possession of the counts of Vendorne, and passed from thom by marriage to the counts of Armagnac. In I567 Castres way taken and pillaged by the Huguenots, who destroyed the cathedral. It became one of the strongholds of the reformed party, but it was reduced to submiasion in the reign of Louis XIII., and the fortifications demolished. In I3I6 Castres was made an epincopal town by Pope John XXXII. ; the diocese ineluded Upper Languedoc; it wan abolished at the Revolution, and the town is now ineluded, with the rest of the department, in the arehdiocese of Alby.
The south-eastern part of the torn callod Villegoudon, is joined to Custres properly so called by two stone bridges. Tho stroets are pretty well built, and have been much improved of late years. The Place-Royale is the principal square. The most important public buildinga aro-the town-house, formerly the opiscopal palace, to which is attached the public library and a bonutiful garden; the churehers of Sk-Benolt and Notro-Dame; the two hospitals; the cavalry barracks; the abattoir; and the theatre. Tribunsls of firnt inntanee and of commerco aro held in the town, which has also a chamber of commerce, a college, two theological seminaries, and a Calrinintic chureh. Castres is surrounded by benutiful shady promonades, called 'Lices,' from their occupying the site of the ditch that formerly eurrounded the town, and in the Villegoudon quarter an oxtendive esplanade is crosmed by five shady alleys of trees. In the neighbourhood of the town thero in an immense rockiug stono on the rop of a hill, at the foot of which is a grotto that was ouee the retreat of St. Dorninic.

Cantres is a plece of great manufacturing industry; for their caro and still, and the fininh given to thelr productions, its artisans aro comidered the boet in the mouth of France. It is particularly celebrsted for ita ine wool-dyed eloths, called 'cuirs do laino;' but all other sorts of woollen stuffs aro manufactured, as well as linen, soap, leathor, glue, wad paper. Thero aro also several bleaching, dyeing, and nilk-weaving catablinhments, and iron and copper foundries. The commerce of the town il very considurable.
(Dietionnaire de la lirance: Macgregor, Stativice.)
CASTRIFS. [LUCIA, St.]
CASTRO JIARINOO. [ANBARYE]
CASTIROI'OL [Asturuas]
CAT ISLAND. [BAHAMAS]
CATALUNA (in Finglish generaliy writton Calalonia), an ancient province of Spain, is boundod N. by the mummit-level of tho Pyreaoen,
W. by Arngon, S.W. by V'alosela, S.lic assd F. by tho Moditorranean Son It is situsted between $40^{\circ} 90^{\circ}$ and $12^{\circ} 60^{\prime}$ N. lato, $0^{\circ} 12^{\prime}$ and $3^{\circ} 90^{\circ} \mathrm{E}$. long. The elape is trinngular, one adde cxtouding about 200 mile along the ahoro of the Mediterranonu, another about 150 milen along the frontien of Valeneis nud Aragon, and the thlri about 140 miles along the crestio of the I'ynoncoi. It la governed by a Captain-Geueral, aud is diviled into tho followiug modern provinces:-

| rrovinees. | Area in squaro miles. | Popalation in 18 89. |
| :---: | :---: | :---: |
| Marcelona a |  | 333,695 290,000 |
| Tarragona . Lerida | 12,180 | 29, 19,445 |
| Ocrona . . . |  | 202,594 |
| Total . . | 12,180 | 1,283,784 |

The province of Rarcelona comprises the eastern part of Cataluñ, Tarragona the southorn, Lefrida the western, and Gerons the uorthensterti.
Swrface. - The northern frontier of Cataluin boing formed by the crosta of tho Pyrences, the whole of the northern part of the province is oceupied by lofty ridges, offets from the mountain chain. These ridges descend southward from the most elevated summitn, such as the Maledeta, the Moncal, aud the Canigu. From the last-mentioned summit especially, oue great ridge, or rather meries of ridges, extends through the coutre of the province, dividing the waters of the Segre and its aftucuts, which onter the Ebro, from the Llobregat and nume rous other rivers which flow divectly to the Mediterranean. The upper portion of this central ridge has no general name. The lower portion, called the Sierra de Llena, runs jarallel to the const at the distance of about thirty miles, and, with the addition of the Monser rat, extends from the Libro to the Llobregat. Cataluan is thus for the most part a mass of rocky mountain and procipitons valloys The ouly exceptions are the rich plains about Lerida, Urgel, and Manreas, and tho smaller portions of flat land behind Barcolona, Tarragoma, and Tortosa.
Rivers.-The Ebro enters Cataluña at Mequinenza, whero it receives the Segre united with the Cinca from Aragon. It has a winding course through this province to the sea below Tortosa [EBRo.] The Segre rises among the south-western offsots of the Canigu, near Puigcerda, and flowing down the valley of Cordana, receives below Ungel the Valirs from the valley of Andorra [ANDORBA.] It then flows south by west through a long valley, receiving several feeders from the ridges on cach side, till tho Llobregos enters it below tho village of Pons, when it takes a western course till it is joined by tho Noguern Pallarcsa, a large afluent which comes down from the slopes of the Moncal. It then flows south-south-west past Lérida, and receives the Noguera Ribagorzana, another large aftuent, which descends from the Maledeta, and for more than fifty miles forms the boundary between Aragon and Catalunia. It soon afterwards takes in the Cinca, and enters the Ebro. The Llobregat and the Cardener both rise on the castern llanks of the great central scrics of ridges, and after recoiving many small streams unite below Manress, After the junction the river retains the name of the Llobregat, and passing through a uarrow gorge at the foot of the Monserrat, takes a south-eastern diroction, receives the Noya on the south-western side, and onters the sea about five miles south of Barcelona. Tho Fluvia has a short eastern course, and fslls into the gulf of Rosus. The Ter has a long semicircular courso from the slopes of the Canigu, and passing by Gerona falls into the sea a short distance south of the Gnlf of Rosas The Besos enters the sea north of Burcelona. South of the Llobregat the Foy, the Gayr, the Anguera, and the Francoli, run in doop chan nels, and in uearly parallel lines to the const, the spaces between thom being filled up with rocky hills. ISetween the mouths of the Francoli and the Ebro no river enters the sea. South of the Eibro the Cenin divides Cataluña from Valeucia.

Climale and Productions.-The elimate is rariable, and subject to foge nud rain. In summer the heat in the valleys is exeossive, but is tompered on the cosst by the sea-broozes. In wiuter the cold on the mountaius is very severo, but mild on the lower tracts along the margin of the sea. The valleys and plains of Cataluhis are fertile, but a large proportion of the country is rocky and uaturally barren. The system of irrigation is generally followed. Corn enough for home use is not grown, and there is also a want of esttle; but a good deal of wine is jroduced. Other articlon of produce are oil, homp, nuts, aluondn, fruits, silk, and barille. The forests abound with cork-trees, tho bark of which is a considerablo article of commerce. Cataluna is rich in mineral wealth, conl, copper, lead, vine, manganese, cobalt, nitro, aalt, aud marble being found. It in the chief manufacturing proviuce of Spain, the priucipal fabrics boing woollens, cottons, silks, laco, leather, paper, iron, brandy, and liqueure. The coasts abound with fish, and the industry of the Catalang renders the fisheries very productive. Since the loss of the Spanish Americau colonies the trade of Cataluna has greatly declined.

Towns-Barcelona is the capital of the provinco of Barcelona [Baitelona.] Cardona, 50 milo Ni.W. from Barcelonn, stands on the right bank of the Cardencr, elose to a hill nearly 500 fect high, which in a mas of pure crystallised salt. The town has a propulation
of abont 3000 , and has a castle and long lines of fortifications. It contains a gothic church, in which are some sepulchres of the Cardona family, whose palace also still remains, hut in a dilapidated stste. Igualda, 40 miles W. by N. from Barcelona, stands ou an emiuence near the northern hank of the Noya. The streets of the older parts of the town are narrow and tortuous, hnt the Ramhla is a wide street, and there is a handsome suburh. It contains a parish church, college, hospital, and cavalry harracks, and has manufactures of cotton and woollen goods, hats, and fire-arnis : population, 10,000. Manresa, 37 miles N. IV. from Barcelona, is situated on an eminence in a fertile and well-irrigated district near the left bank of tho Llobregat. It is a very picturesque town, aud contains a collegiate church, four parish churches, au hospital, and barracks, and has manufactures of cotton and silk fabries, hroalcloths, rihbons, gunpowder, aud brandy : popnlatiou, 13,400. Between Igualda aud Mauresa stands the mountain Monserrat, 4000 feet high, celcbrated for the large monastory built upon it. Matar6, 20 miles N.N.E. from Barcelona, with which it is connected by a railway opened in October, 1848, is situated on a hill which slopes down to the coast, where it has a small harhour with docks. The town is chiefly old, with narrow streets, but has a new eluarter, a good principal street (the liera), and two good plazas. It has a fino parish clurch, two or three other churches, an hospital, and manufactnres of silks, cottons, velvets, ribhous, and leather. Ship-buildine is carried on, and it is a busy and flonrisbing place: population, 14,000 . Vich, 40 miles N. from Barcelona, stands on the slope of a hill in a fertile plain, and consists of several irregular streets hranching out from a central group. It is an episcopal town, and has a gothic enthedral. It has manufaetures of coarse woollens and cottons : popnlation, 11,000 .

Tarragonn, the capital of the provinee of Tarragona, is 55 miles S.W. from larcelona. It is the Tarraco of the Romans, and was in their times a very large and important city and sea-port. It is situated at the month of the Francoli, and consists of an upper and lower town. The upper town is surrounded by ancient walls, now partly in rnins, hut consisting of huge blocks of stone and of the most solid masonry. The lower town is protected hy a range of bastions fronting tho Francoli and the herbour. There are also two castles. Ships of war can lie at anchor inside the mole, aud outside there is a roadstead. Beyoud the rocky leights on which the town is built there is an open country called the Campo do Tarragona. The town contains a catheelral of early gothic architecture, an archhishop's palace, theatre, and barracks. It has mannfactures of coarse woollens, cottons, hats, and soap, and a good export trade of nuts, almonda, cork, wine, and brandy: population, 12,000 . There are remains of an amphithentre, circus, aqueduct, and other works of the Romans. Tarragona was taken hy the French under Snchet, hy aiege and assanlt, June 29, 1811, and they held it till tho termination of the war. Reus, 8 miles W. from Tarragona, consists partly of an old town, hut chiefly of a modern town which has arisen within the present century. It contains several chnrches, harracks, a theatre, hospitals, and manufactures of silk, cotton, and linen, soap, leather, glass, and spirits. A cimal connects it with the small port of Salon, through which it exports nuts and other articles of Spanish prodnco to England. The population in 1845 was 25,043 . T'ortosa, 50 miles S.W. from Tarragona, stands on the eastern or left bank of the Ebro, 20 miles from the sca. The river up to Tortosa is an westuary, and is there erossed hy a hridge of hosts. Tho town is built partly on the rocky slopes of a hill aud partly on the flat ground clonc to the river. It is strongly fortified by walls and outworks, and is entered hy seven gates. It contains a large eathedral, a hishop's palace, a town-hall, a college, an hospital, and a palace of tho Valcabra family. There are manufactures of earthenware, glasa, and paper, nod an active fishery at tho mouth of the river. Tho town was taken hy the French under Suclet, by biege and assault, Jan. 1, 1811. The population in 1845 was 20,573 .

Lérida, the capital of the province of Lérida, is 95 miles W . hy N . from Barcelona. It is the Ilerda of the Romang, and when held for Pompeius by Afranius and Petreus was hesieged and taken hy Cersar. It is situaterl near the west hank of the Segre, on the slope of a hill surmounted by fortifications, a tower, and an old cathedral. The Segre is here crossed hy a good stone hridge. In the lower town is a cathedral of Corinthian arclitecture, built in the reign of Fernando VI. It has three other churches: population, 6650 . Cerverca, 35 miles E. from Lórida, is built on an eminenco, and contains a large nnsightly edifice luilt by Felipe V. for the university of Lerida, which he transferred to this place, but which has in recent times heen removed to Barcelona The town is well built, and is surrounded by old walls. It contains a gothic church, and there is a fine cloister in the Dominican convent : population, 5000 . Solsona, 60 miles N.E. from Lérida, contains a cathedral and has manufacturcs of woollens and lardware : population, 2200. U'rgel, 75 miles N.N.E from Lérida and 80 miles N.W. from Bareelona, is situated beneath a spmr of the I'yrences, in the angle just above the jnuction of the Valira with the Segre. It has been the soe of a biahop wince tho ycar 820. The hill which overlooks the town is surmounted hy a citadel. The hishop is the spiritual head and in a great degree ths temporal head of tho small republic of Andorra [Andorra.] Population, 3000.
Gerona, tho capital of tho province of Gerona, in 60 miles N.N.E. from Barcelona. It is a city, aud has been the sec of a bishop sintec
786. It is situated at the junction of the Oña with the Ter, is of a triangular form, and lies under a fortified hill called the Monjuich. The streets are narrow, hut clean. There are three plazas. The early cathedral was pulled down, and the constrnction of the present was commenced in 1316. The approach is very imposing, a superb flight of 86 steps leading to the feçade. The interior consists of a single noble nave, with a semicircular apsis, and contains some interesting sculptures. There is also a massive half-fortified colleginte church. The town has manufactures of coarse woollen and eotton goods, stockiugs, soap, and leather: popnlation, 7660 . The defeuce of Gerona, when hesieged hythe French in 1809, equalled if it did not surpass in heroism and perseverance, that of the two sieges of Zaragoza. Ampurias, 23 miles N. N.E from Gerona, a village in the fertile district called Ampurdan, with a small harhour on the Gulf of Rosas. The town was once important, was called Emporium, and was occupied hy a Grcek colony from Marseillez about B.c. 545. Figueras, 20 miles N. hy W. from Gerona, is situated in a rich plain above the junction of the Muga and Manol, which flow westward from the Pyrenees, and cuter the Gulf of Rosas. It is a straggliug town, hat is defended by a large pentagonal citadel strongly constructed on the principles of Vauban, capable of accommodating 16,000 soldiers and rast stores. It was gained by Napoleou in 1808 hy a deception. It was recaptured in 1811 hy a Spanish partisan with some peasautry, by means of wellmanaged surprise, but was retaken by the French after a siege of neariy five months, when the ammunitiou of the garrison was all expended. T'he town has trade with France, and mannfaetures of leather and paper: population, 8000 . Hostalrich, 22 miles S. from Ceroua, was an important fortress duriug the Peninsular war. The town is the see of a bishop, but has a population under 1000 . Olat, 21 miles W.N.W. from Gerona, is situated between a voleanic hill and the south buuk of the river Fluvia. The base of the hill is chiefly hasalt. There are several craters of extinct voleanocs in the viciuity. The town has good streets and squares, two parish churches, a caralry harracks, and an hospital. There are manufactures of woolleu aud cotton goods, leather, soap, and paper: population, 12,000. Ripoll, 32 miles W. by N. from Geroun, is beantifilly situated in the angle of the junction of the liresne with the Ter, in a district of coal and iron, and has manufactures of fire-arms and nails: population, 3000. Rosar, 23 miles N.E. from Gerona, the ancieut Rhode, was formerly an important plsce, strongly fortified, aud carried ou a brisk trade by means of its fiue harbour in the Gulf of Rosas; it is now a mere fishing village with 2200 inhahitants.

Ifistory.-On the decline of the Ioman empire iu the west, tho territory of this part of Spain was seized by the Goths and Alans, when it is said to havo been called Goth-Alania, wheuce by corruption came the present name Cataluña. During a part of the 8th century Cataluna was held by the Moors, till they were driven from it by Charles Martell and afterwards by Charlemagno. The counts of Bircelona from that time were the rulers of Cataluũa and the Frenel connty of Iousillon ; but wheu Raimoud-Beranger, Conde de Barcelona, was affianced to Petronila, the infant heiress to the crown of Aragon, Cataluña was sunexed to Aragon, and he governed both with the titlo of Principe (prince). Cataluña afterwards became one of the provinces of Spain, with the title of Principality. It held its municipal privileges till the Wars of the Succession, when it supported the Archduke Charles of Austria, after which it was formally deprived of its cortes aud liberties by tho conqueror, Felipe IV.

The dialect of Cataluña is a mixture of the Romace language, or Langue d'Oc, with the Spauish.
(Miñano, Diccionario Greoprafico: Madoz, Diccionario de Ėspaña; Ford, Landlood of Spain; Napier, Peninsulur 1Var; Vacani, Storie delle Campagne e degli Assedii degli Italiani in Ispagna, lal 1808 al 1813, 3 vols. 4to., with Athas, Milan, 1823-5)

CATAMALCA, one of the upper provinces of the Argeutine Confederation, South America, is bounded N. and N.E. by the provinco of T'ucuman, E. hy Santiago, S. by Cordora, and S.W. by La Rioja, and compreliends the littlo visited country hetween the mountain ranges of tho Sicrra of A conquija and Ambato on the east, and the Andes on the west. The inhabitants do not exceed 30,000 . Tho country consists of a principal valley, Catamarea, from which the province derives its name and in which most of the inhahitants are settled; nnd of some other valleys, running between mountain ranges south-east and north-west, and terminating at their southern extremity on the horders of the Gran Saliua, being thus separated from the other inhahited countries by high mountains and deserts. The rivers which water these ralleys are lost in the Gran Salina. Tho climate is sultry, especinlly when the south winds hlow, which come over the desert. Maize and wheat are raised to a considerable estent, hut canuot he exported over the mountaius. The provinco sends only cottou and red pepper (dried capsicums) to the adjacent countries, the latter ehiefly to Buenos $\Lambda$ yres, where it is extensively used. The present capital is Catamarca, or San Fernando del Valle de Catamarca, in $27^{\circ} 28^{\prime}$ S. lat., whose population is stated to be 4000 . The first capital, called London, heing founded at the time when Philip II. of Spain marriod Queen Mlary of England, was destroyed by the Indians. [Abgentine Confrderatton:]

CATA'NIA, a provinco in Sicily, is bounded N. and N.E. by the [roviuce of Mlessiua, N.W. |ing that of l'alermo, W. by

GEOG. JIN. VOF, it.

Caleranisettes, S . by Sirmerses, and E. by the oon It in 55 milem in length from southenst to north-wesh, and about 35 miles in its sreatest brealth. The area is $1 ; 01$ agnaro willes, and the population in 1551 manountad to 379,091 . The prorinev lucluden tho region of Momne Fiena, and extonda along the coast from the month of the Cianctea to that of tho Alcantarn, a distanco of about 50 miles, includ. ing the windinge of the Gulf of Catania. The Alcautara and the Dinsmari and Nettuni Mountainn furm the northern bonndary. An offect from NE: russ worth-west above Bronto, joint the Xiettual Monntaium, aud forms the watershed hetwees the basin of the Glaretta and the Aleautare. Westward the prorince extemda to the source of the Trios, a feder of the Giaretha, and to the limestone mountains of Einme, which run sonthward from the Nettnni range, and form the waterned between the Giarette and the Salso. The lower offeets of the inountains of Noto, which consist of tertiary formatlons, bound the beain of the Giaretta and the plain of Catania, on the sonth. A great part of the surface is corered with ramifications of the mountains named; thene are, with the exception of the region of Mount Fitna, already noticod (ATsi), generally baro of timber. The valleys have a very fertile wil, nad are very productive. The basin of the Giaretta is dralned by sereml atreams-the Adrano, the Traiua, the Dittaino, and the Glirisa, which unito in the lower part of tho plain of Catania and form the Giaretta, the ancient Simothus, which falls into the Gulf of Catauia. Tho plain of Catania, 20 miles long and 15 miles broad, is the largest plain in Sicily, aud produces a great quantity of corn. The lower hills aud vallegs which belong to the volcanio mass of JEtna produce excellent wine. Oil, silk, liquorice, and all kinds of fruit are the other chief products of the conntry.

Tourne-Catania, the ancient Catana or Calane, the capital of the prorince, is situated on the sea-coast, at the fort of the most southern offects of Eton, in $37^{\circ} 29^{\prime} \mathrm{N}$. 18 t ., $15^{\circ} 5^{\prime} \mathrm{F}$. lougo, and has a population of ahout $\$ 5,000$. Though not the largest it is tho handsomest town in Sicily. Catanis was a colony (s.c. 750 ) from Naxos in Sicily, which Niaxos was founded by a colony from Chalcis in Eubaa. (Thucyd., ri. 3.) It snffered greatly in the wars betwcen the Carthaginians and Syrmeuse, and wan taken in the first Punic war hy the Romans, who flundered it of lts riches and statnes. Among other things a ann-dial from Catania was sent to llome and placed on the rostra. In ancient as well as modern times Catanis has suffered greatly from earthquakes and the eruptions of Sinn, one of which is recorded hy Thucydides (iii. 176) ns laving takon place B.c. 425 ; and he mentions another as said to hare happened B.C. 475. The great carthquake of 1693 destroyod it, but the town has heen completely rebnilt since that time. The streets are wide and regular, and the huildiugs are handmome, being mostly built of lava, faced with limestone and enriched with marble. Lara forms the pavement of the streets, and a natural mole of lava shelters the harbour. The university of Catanin, which was founded by Alfonso of Aragon in 1445, is frequented hy about 500 etndents, nud has a good library, which is open to the public.


Coin of Catania.
Mrithis Nuseum. Actual slze. silver. 200 gralns.
Tho aplendid Penedictino monastery and chnreh of San Nicolo direna is, aftor Mafm in Portugal, the largest aud finest monastie building in Europe, lu comnection with which are a mnseum and a gallery of palatinga, The cathedral of Catania, rebuilt since the eartlaguake of 1623 , and dodicuted to Santa Agnta, is a vart building: the front is ornamented with fine granite columns taken from the theatro of the aucieut city. In the equare before it is a fountain, with ani clephant male of lava, bearing on its luck a small granite oleliak. Amoug the other buildings must be mentionod the senatelonew, about thirty convents, and nearly double that nnmber of churehew, some of which are magnificent atrnctures; the government Sontedi-I'iels; the neveral charitablo institntions, such an hospitals, aud housce for the dentitute; the Magdalene asylum; and the Giooni acaleny, which lins rich collections in natural history, and publishes itn memoira The port of Catania, which In ancient times was largo and nuch freyuonted, is now very small, having been almost filled up by the larm-floodi of 160 s . It is only fit for nomall craft, by meane of which however a considerahle export trarle is earried on in wine,
 (which ls found at the restuary of the Ciaretta), lava, and snow fron $\mathcal{A} 10 \mathrm{na}$, which in ment to Malta. The priucipal industrina products are silk grorls and articles made from lava Catania ranks as the thlrd city in Sicily : it given title to a binhop, and has a Gran Corte, or upper tribunal for civil and crimisal causes, and a board of tride.

Tho remains of ancient Catanis izolude a large thentro, an amplistheaime, a cruall theatre, rulns of bathn, and fragmonts of an aqueduct. All these aro of lloman conatruction, the Greck city having probnbly boes dealroyed by some of tho earthquakes to which the city has in all ages been expsed. Catania was the birth-plnce of Charondas, the leghlator and philosopher, and of tho poet stesichorus. The coins of Catania are of very superior axecution.

Calfagirone, the sooond town in the yruvince of Catanla, is built on two hills joinod togother by a bridge; it has eeveral palicen, ayal colioge, a town honse, Montordi-liotd, and abont 20,000 inlahitanta Good pottery is made in thin place Caltagirone Is a corruption of Culata Girone. The Arabio word Calatn, or Knlat, niguifies an omincuee, and was given as a prefix to tho names of soveral town in Sicily during the occupation of the island by the Sarncens. The town gives title to a bishop, and is 30 miles S .W. from Catanim

Aicoria, 35 miles W.N.W. from Catania, is huilt on two lills, and has abont 13,000 inhabitants, who live chiefly by agriculture, and by trading in wine, oil, corn, and cattle. In the noiglibourhood are two petrolenm and several gulphureous aprings, a mine of rock-salt, and beds of clay-slate and Iroh pyrites.
Aci Reale standu on a lava rock, which projecta into the soa at the eastern baso of A'tna, with a castlo above it on a higher clifi, which ferms a little town hy itself. The town is built chiefly with lava: it has many good buildings, a amall harbour, aud an active tradc. Linen, silk, and eutlery are the chief industrial producta, Aci lReale is famous for its mincral waters. In the neighbourhood are pointer ont the cave of Polyphemus and the grotto of Galatea. The town stands on the aite of the aucient Acium, which took its unno from the river Acis, now the Fiumo-di-Jaci, which rises under a rock of lava and has a short course to the sea below Aci Reale. The river Acis is celehrated in fuhle, which ascrihed its origin to the hluod of the youthful Acis, who was crushed under an enormons rock by his rival Polyphemus Aci Reale has a population of about 20,000 .

Paternd, the ancient Hybla Major, is sitnated at the foot of Sitna, 10 miles W.N.W. from Catania, nad has ahont 10,000 iuhahitauta It gires the title of prince to a Sicilian family, who are the richest land-holders in Sicily. The town contains many convents aud churches, and has a fruitful ternitory, yielding abundance of oil, wine, fax, hemp, and timber, the chief articles of trade. There are warm chalyheate springs at Paterno.

Aderno, 16 miles N.W. from Catania, is sitnated at the westorn hase of Mount Etna, near tho Simeto or Adrano, and has nbove 6000 inhabitants. It is surrounded by wnlls, and contains several churohem and convents. The principnl church stands in a fine square, and its fagade is decorated with columas of Inva. Adernd oceupies the site of the ancient $A$ dranum, foumded by Diongsins the bilder n.c. 400 ; but a temple to the old Sicilinn god Admuus was huilt on the spot froms very ancient times, (Diodorns, xir. 37.) Adramm was taken by Timoleon in B.c. 345 , and by the Romans in the firat Punic war. Parts of the ancicut walls and towern huilt of large square blocks of lava still remain, as well is massive subatructions of the temple of Adranus, aud Roman baths.

San-Pilippo-d'Argiro, 2 miles WF.N.W. from Cntauia, situated on an isolated rock near the riglit bank of the Traina, has a muned Saracenio castlo, several churches and convents, and abont 7000 inlahitants. The neighbourhood of the town produces much saffron of good quality. San-Filippo occupies the sito of the ancient Agyrium, the hirthplace of Diodorus Siculus, nad one of the most ancient cities in Sicily. It was a Sikolian and not a Greck city. Abont B.c. 400 it was under the government of a prince named AgJris, and had a population of 20,000 citizens (Diod. xiv). It wam long in allinnce with the kiugs of Syracue, uad continued a wealthy city under the Romans. In the middle ages it became celohrnted for a church (St. Philip's), a place of pilgrimage from all parts of the islnad. Scarcely any remains of antiquity are now viaible. The territory of San-Eilippo ham been in all ages celebrated for its fortility in corn.

Bronte has heen alrcady noticod. [Bnonte.]
Amoug the other places are-Nicolosi, situated high up the southorn Gank of Mount Aitna, populatiou about 3500 ; and Traina, a poor place in the interior, situated on a hill, 8 milen E. from Nicosia: population, 7500 . At Traims is the oldest monastery (it is asid) in Sinily.

CATEAU.CAMBRESIS, LE. . [NORD.]
CATLLETS, LF [AIsNE]
CATHAY. [Chisa.]
CATIIERINGTON, llampshire, a village and the seat of a Poor Law Union, in the farish of Catherington and hundred of Finchdean, in Pcterafield division of the county, is sitnated in $50^{\circ} 55^{\circ}$ N. Int., $1^{\circ} 1^{\prime} \mathrm{W}$. long. $;$ distant 10 railes $\mathcal{N}$. by $1 \%$ from Portsmouth, and 62 milen S. W. from London. The population of the parish in 1851 was 1024. The living is a vlcarage in the archdeaconry aud dioccse of Winchester. Catherington l'oor-Law Union contains fvo parishes and townships, with an aren of 12,265 acres, and a population in 1851 of 2209 . The parish church, dedicated to St. Catheriac, is an ancient odifice. It has a tower, which coutains five bolls. In the parish aro two lindowed schools for boys and girls, and a National school for boye. The popnlation is chiedy agricultaral.
CATMANDOO, or KHATMANDU. [NEPAUL]

CATON, Lancashire, a village and the seat of a Gilbert's Poor-Law Incurporation, in the parish of Lancaster and hundred of South Lonsdale, is situated on the left bank of the river Lune, in $54^{\circ} 4^{\prime}$ N. lat., $2^{\circ} 41^{\prime}$ W. long. ; distant 5 miles N.E. by N. from Lancaster. The population of the township of Caton with Littledale was 1434 in 1851. The living is a perpetual curacy in the archdeaconry of Lancaster and diocese of Manchester. Caton Poor-Law Incorporation contains 17 parishes and townships, with an area of 46,212 acres, and a population in 1851 of 9044 .
The village of Caton cxisted at an early period; as far back as 1266 there was a church here, of which the Norman doorway still remains. The present church is a modern gothic building. There are a chapel for Wesleyan Methodists and a National school. Cotton, silk, and flour mills give employment to many of the inhabitants. The scenery of Caton Vale is much admired.
CATRINE. [AYRSHIRE.]
CATSKILL MOUNTAINS. [Alleghasy Mountarss.]
Cattaro. [Dalmatia.]
CATTEGAT, or KATTEGAT." [Baltic SEa.]
CATTER1CK, [Yorksmre.]
CATTYWA'R, or KATTYWAR, a district occupring a portion of the interior of the Guzerat peninsula, is bounded N. by Jhallawar, E. by Goel wara, S. by Babreeawar, and W. by Soret. The surface towards the north is irregular ; in the south are jungles. The soil is variable; but sand prevails on the plains, where it is mixed with reddishcoloured rock, of which the bills are mainly composed. The bills are deficient in trees. The more usual kinds of producc are wheat and a few coarser grains. Many horses are reared, the breed being considered among the best in India. The inhabitants, who are not numerolla, are known by the name of Catties. The men are an athletic race, and such of the femalea as are allowed to live grow up with a considersble share of personal beauty. The Catties are vorshippers of the sun. The men are robbers by profession. The country is divided among numerous tributary chiefs and princes, each exercising independent power within the limits of his own division. There are 10 talooka, or districts, with 218 chiefs in all. Some of these chiefs are under the direct authority of the British, but the greater number are subject to the Guicowar, although these are also placed under the control and management of the Company's officers, by whom the tribute is collected and accounted for to the Guicowar. This arrangement has beeu found necessary in order to prescre pence in the country. The interference of the British extends to criminal as well as financial matters. All the rights which the British possess in Cattywar have been acquired from the Peishwa and the Guicowar; from the former by conquest, from the latter by mutual arrangement. Those rights have been considered as limited to the collection of tribute and the prescrvation of peace; in other respects the Cattywar chicftains liave been left to exerciso all the functions of government within their own immediate territories. The entire dis ${ }^{\text {rrict }}$ includes an aren of 19,850 square miles, with a popnlation of $1,463,900$. The total yearly reveuue amounts to about 450,000 . ; the annual tribute to the British government is nearly $105,000 l$.

CAU'CASUS (Kawkas, Goffkas), an extensive mountaiu chain extending between the Black and Caspian seas, and forming part of the boundary between Asia and Europe, but in ancient times belonging entirely to Asia. The gencral direction of the range is from W.N.W. to E.S.E. It begina on the shore of the Black Sea, at a short distance sonth of the town of Anapa, at about $44^{\circ} 40^{\prime} \mathrm{N}$. lat., $37^{\circ} 10^{\prime} \mathrm{E}$. long., and terminates on the west coast of the Caspian Sea, in the peninsula of Apsheron, $40^{\circ} 20^{\prime} \mathrm{N}$. lat., $50^{\circ} 20^{\circ} \mathrm{E}$. long. The length of tho range is about 700 miles; the width varies from 60 to 150 miles; the area covered by it is about 56,000 square miles, or nearly the surfaco of England and W゙ales taken together.

The Caucasus, in some summits in the centre of the range, rises to a greater height than the Alps, while its extremities subside into mere hills. The lighest summit, formed by the rocky mass of the double peaked Mount Eloruz, in $43^{\circ} 20^{\prime}$ N. lat., $42^{\circ} 30^{\prime}$ E. long, rises to between 17,000 and 18,000 feet abore the sea, and stands quite isolated, being surrounded by low and marshy grouud. That portion of the range which extends west of Mount Elbruz to the shores of the Black Sea is called the Black Mountaina, to distinguish them from the snowy crests and praks of the more eastern part of tho range. They do not rise to a great elevation. Along the shore the hills seldom exceed 200 feet in height. East of Mount Elbruz there are numerons summits and ridges which rise above the anow-line. Mount Kasbel, $42^{\circ} 50^{\prime} \mathrm{N}$. lat., $44^{\circ} 20^{\prime}$ E. long., is 16,000 feet bigh. It is of volcanic origin. The granite and porphyry of which its nucleus is composed are covered with volcanic deposits, and on the east they are flanked by limestone and clay. Farther east occur other high summits, as Mount Tersh, Shah-Dagh, and others, all of which are above the line of perpetual snow, which is here between 10,000 and 11,000 feet above the sea. On the pcninsula of Apslieron the chain has only the appearance of moderate hills.

The offsets of the Caucasus appronch near to the Black Sea, and often adrance close to its shorcs between Anapa and the mouth of the Ingour, a distance of about 250 milea. Within these limits the shores of the Black Sea are high, bold, exposed, and rocky, except at a few points. On the Caspian side the mountains seldom approach the
shores. From the region of Mount Elbruz several mountain ranges run north-eastward and eastward, separating the head streams of the Kuban, the Kuma, and the Terek. Another offset on this side runs between the two arms of the Koi-Su, which inclose the country of the Avars, or Avari, to within a few miles of the Caspian. Farther south the mountains do not approach the Caspian nearer than about 30 miles, but the rock on which Derbent is built, which forms the extremity of another offset, is less than two miles from the Caspian. Another plain follows, which however only exteuds from 10 to 15 miles inland, and terminates about 12 miles N . of $41^{\circ} \mathrm{N}$. lat. The remainder, including the peninsula of Apsheron, is rather high, and the country is hilly. The country that extends between the crest of the Caucasus and the shore of the Caspian from the lower Terek to some distance south of Kuba forms the territory of Daghestan, the greater part of which is covered with inountains, the abode of the Lesghis, who, led on by their prophet-chief Shamyl, have arrested the progress of Russian conquest in the Caucasus since 1831.

The Caucasus is connected with only oue great mountain system, that of the Taurus. On the southern side of the range an offset branching off from the central mass, near $41^{\circ} \mathrm{N}$. lat., and dividing the sources of the Faz , or Rion (Phasis), from the basin of the Kur (Cyrus), unites the Caucasus with the mountains north of the central table-land of Armenia, and with the Lazistan Mountains, from which it is divided at its western extremity only by the lower course of the Choruk-Su. [Armenta.] The plain to the south of this range is traversed by the Kur and slopes gradually to the Caspian. The plain, or steppe, which extends along the north side of the Caucasus, hardly contains an elevation that deserves the name of a hill; between the innermost corner of the Sea of Azof and the Gulf of Kuma, in the Caspian, it sinks so low that it is probably nowhere 120 feet above the Black Sea. The offsets of the Caucasus towards the steppe are by far the most numerous, and soluetimes extend to 100 miles; but here rs well as to the south the mountains terminate so abruptly that even many of the summits, wbich attain no great elcvation, are nearly iuaccessible.

As in the Alps glaciers are common in the higher parts of the Caucasus, and the scenery of both mountaiu systems has a strong rcsemblance, except that in the Caucasus there are no lakes, with the exception of a small one on Mount Khoi. There aro however several marehea.
The sides of the mountains are furrowed by innumerable valleys, most of which have a very fertile soil, yielding abundance of corn of every sort, the eultivation of which is carried to a height of about 8000 feet above the level of the sea. The lower valleys produce cotton, flax, rice, tobacco, wine, and indigo. The mountain sides are covered with noble forests. The Caucasus presents a great variety of climates, according to the elevation. Au arctic winter prevails on the summits while an Italian summer is felt at the foot of the range; the harvest is ripe below while the first buds of spring are only bursting in the foresta on the mountain top. But with the exception of Mingrelia the climate is generally very healthy. The most beautiful and rare flowers ensmel the meadows and mountain pastures. Wines and silk, both of superior quality, are the chief commercial products. Madder is extensively grown, and saffron is gathered. The Kur and the Phasis carry off the chief part of the drainage of the southern slopes of the Caucasus into the Caspian and the Black seas respectively. On the northern side the principal rivers are the Terek and the Kuban, the former rising in Mount Elbruz and flowing north-west into the Black Sea; the latter rising in Mount Kasbek and runuing first north and then cast into the Cuspiau. The Kuma, auother large tributary of the Caspian, carries off the streams that rise in the mouutains between Mounts Elbruz and Kasbek. All the rivers abound in fish. Most of the other rivers are mere torrents, confiued generally to narrow beds, and running rapidly towards the sea through a stouy soil; but in spring they inundate their banks in some parts to a great exteut.

In the Caucasus the argali (Ovis Ammon) is found, which was long considered peculiar to the table-land of Central Asia and the mountains of Siberia. This mountain range is also the native country of the commion and gold pheasants. The auroch, a species of ox, is still found it some parts of the Caucasus, and fur-beariug animals abound in all the forcests. The Caucasian breed of horses is highly esteemed for their speed, hardiness, or temperance in food: they are used only for war and plundering excursions. Oxen are used for the plough. In Daghestan, owing to the mountainous nature of the country, horses are scarce, but small vigorous asses are numerous and the principal beasts of burden. Camels of the common and of the white species are used to carry loads in most of the Caucasian couutries. The mountains abound in goats, chamois, and izards. The wild goat, or touri, also is hunted; to escape its pursuers it precipitatcs itself down frightful chasms and precipices, alighting on the tip of its horns, which, as well as its neck, are of great streugth. Numerous flocks of sheep are kept in some parts of the Caucasus, especially in the Circassian country, where mutton is tho priucipal article of food: of the wool good cloth is manufactured. The heaths, uuderwoods, forests, and plains abound with game. Vultures and eagles are numerous in the bigh mountains. Jackals, wolves, and bears are the principal carnivorous quadrupeds ; the bears often devour the grapes. In mineral riches Caucasus is probably superior to the Alps. Iracen of gold
aro found, and wilver and copper mises are worked near Tiffie Iron abounds in many places, and is worked by tho natives in a rude way.
The chain of the Cavensus is composed chiefly of socoudary rockn. interspersed with those of roleanio origin. Thero aro no active volcanoes bowerer, hut carthquakies happen sometines Naphtlin or potroleum occura in no part of the glove in sueh abundance an on the peninsula of Apaheron [Baxu]; but it is not linited to this part of tho Cancasus: it occura in sereral places on ita southern side, and on the north, on the island of Tamnn, formed by the two branches of the Kibun. The mul-voleances of the Caucasus seem to be conneoted with the paphthe, for they occur only in the neighbourhood of it, empecially on the ialand of Taman, and botwoen Batu and Sawagi, where they are conical hills of earth, without ang signs of Fegetation on them. From a small crster on their snamit issues the thick mud, with which a quantity of naphtha is enixed. Somotimen these eruptions are attended with flames, and followod ly a gunhing out of columns of water. On the north nide of the Caucasus there is : great number of hot, warnı, and sulphuric aprings. Snlt lakea abound on the peninsula of Apmeron.
The Intercoume between the countries south nil north of tho Cavearus is carried on by two roada. The most enstern runs along the shores of the Caspinn Sea, sometimes close to it, and sometimes traversing the plains which lie between tho een and the eastern oxtremits of the mountains. This roal unites Bnku with Derbent, and the latter town with Kizlar, or Kisliar, on the Terek. Though this road does not pass over high mountain ridges, it is not much frequented, a circumstance which many be attributed to the difficulty of crossing the numerous rivers which in spring and summer after the melting of the snow cover a considerable part of the plains with water. Its insocurity against the attacks of the Caucasian freebooters is another strong reason for its being disuscd for commoreial purposes. The innndations alno mako the plains along the Caspian for the greatest part of the sear very unhealths.

The most frequented road, and the only one practicable for carringen, is that which traverses the Caucasus nearly in its centre, beginning on the south at Tifis, on the banks of tho Kur, and terwinating on the Terek at St. Ekaterinograd, whence it branches off eastwand through Modzok to Kizlar, and westward through Gheorghievak and Starropol to the mouth of the Kuban. The rond on learing Tifis runs along the Kur, through a plain; it then acecends the ralles of the amall river Arakui, or Arngbor, which grows narrower as the rond advances uorthward. Near its upper extremity ia the small fortress of Fassanaur, crected for the protection of travellers against the Caucasian mountaineers. Between this fortress and nnother, Kazibeg, lies tho higbeat part of the pass, which is uore than 8000 feet abore the sea; and on each side of it mountrins rise several thotwand feet higher, the summit of Mount Kasbek being at a phort distanco from it to the westward. In other places the rond runs on the edge of an abyss, which descends as far under it as tho mountains rise above it. This pass preserres the same character as far as the fortress of Dariel (from which it has received the name of the Pass of Dariel), and even to that of Vladikaukas, where the valley of the Terek, may be considered to begio. The part farther south is hardly more than a mere ravine. The difficulties encountered on this road by tho traveller are ofteu increased by the fall of aralanches, or the sudden swelling of the torrents which descend from the high mountains.
Both these roads were known to the ancients. That which passes the town of Derbent was called Porla Albanica, from Albania, the name of the country watered by the Iower course of the Kur. It was sometimes also called Cusptre $P^{\prime} y l a$. The Pass of Dariel was called by tho ancients Portce Caucasia, and sometimes Sarmatica Pyla.

There is probably no country on the globe, of so small an extent, which contains such a number of different nations as tho valleys of the Caucarus. The natives spenk at least seven different lauguages; but the Tartar is undentood by most of the tribes, except the Leaghin Strabo states that in his time at least seventy languages wero apoken on the Csucasuas. The Ahhasians, who with their numerous tribes are in poseemion of the southern declivity of the rango between the Black Sea and Mount Flhruz, differ from the other tribes of the Caucasualn fentures, and in their peaceful disposition, which has made them willingly submit to the Russinns, with the exception of two tribes-tho Oubikha and the Tchligatens, who form the confoderation of the Chapmouks; these have frequently reproleed the llumians, and eelzed their forta. Tho Abhasians wero partially converted to Christianity in the time of Justiuian ; they are now chiedy pagnas, and pay particular veneration to the onk. They wo the most ancicut inhabitants of the Caucasus. The northorn side of the range, with ite numerous rallegs, in occupied by the Circuasine, or Tcherkesses, among whorn the tribe of Adighe holde the first rank, as belng the purest $\ln$ race. The Adighe are pagann, with the oxception of the chiefn, who profens Islannism. Amapm is their chiof cown. Blood fends are indulged in among these and all the Caucasian peoplen to an oxtent and with a ferocity unknown oven in Corslea: there aro families at feud from timo immemorial. The Circamian are maill to number $\overline{7} 00,000$. The centre of the range, on both aidee of the rass of Dariel, in in pomesaion of the Osecten, who are said to be dencondante of the

Alani. The Leaghinns, or Loeglis, the mont powerful of tho Caucarian mountaineors, occupy the grentest portion of the range ent of the Fans of Dariel, anil ajlyrosch the peninsula of Apsieron. They ane a warlike people, the terror of all their nelghbours and the most determinol enemion of Rlumia. Their unnib.r is nbout 400,000. The Tchechenes inhabit the country between tho lower Terek and the Kuma. They number ouly nbout 25,000 , hut aro in a stato of almost constant revolt againat lluasin. The oxten. aive mountain tract bordering on the worth of Mount Tersh In Inhabited by the numerous tribes of the Kisti, or Minheghes. The country about the sourcon of the Terek, to the cast of Mount Elbruz, is called Kabardah, and is suhject to Ruania. In the plains sonth of the Caucasus live the 3lingreliane, Imeritian, and Georgians. All these nations differ in their language. As great perfection of form and an ancieut origin have been nttributed to the inhabitante of this region, tho highest rauk in ethnological classification has been termed the Caucasian race.
Beeides these akoriginal tribos, mauy others of foreign origin are met with in the valleys of the range. The unost sumerous are the Tartars. Therespo also Cossaks and Magyare, and on the pouth of the Caucasus, about Tiflis, thero aro soveral German colonies
The Greeks became raguely acquainted with the name and position of the Caucasus at an early period, as the expeditiou of Jason and the mythology of Prometheus evidently show. Herodotus (i. 208) describes the general position of the Caycasus with sufficient accuracy. The detailed description in the 11th book of Strabo evideutls shows that in his time the country to the south of tho Caucasns wre well known. This was owing to the expedition of Pompes, who, in his war with Mithridaten, advanced to tho very foot of tho great rauge, and got possession of both bank of the Cyrus and Araxes.
(Reinegg, Beschreibung des Kaukasus, Petersburg, 1796-7; Koch, Karte des Kaukasischen Iothnuss, Berliu, 1850 ; lReise nach den Kauliasischen Isthmuss, Stuttgardt, 1843; Ivan Golovin, The Caucasus, Londuu, 1854 ; Pallas; Klaproth; Biberstein ; Eugelhardt, \&c.)

CaUDEbEC. [Sene-Inférietbre]
CAUX. [SEine.inferiedre]
Cavailion. [Yauclese.]
CAVAN, an inlaud county of the province of Ulster, Ireland, bounded N. and N.I: by Fermanagh and Monaghan, S.E. and S. by Meath, an angle of Westmeath and Longford, and W. by Loitrim, is situated between $53^{\circ} 46^{\prime}$ and $51^{\circ} 18^{\prime} \mathrm{N}$. lat., $6^{\circ} 32^{\prime}$ and $8^{\circ} 3^{\prime} \mathrm{W}$. long. Its length from south-enst to north-west is 51 miles, its breadth from north to sonth 28 miles; the area is 746 square miles, or 477,500 acres, of which 375,473 are arable, 71,918 uncultivated, $i 325$ in plantations, 502 in towns, and 22,142 under water. The pepulation in 1851 was 174,071 .

Surface, Ilydrography, Communications.-Cavan is tho southernmost couuty of Ulster. Stretching across the narrowest portiou of Ireland, it extends on the east to within 18 unilos of the Irish Sea at Dundalk, and ou the west to within 20 miles of the Atlantic at Sligo Bay. The county is in form an irregular oval. It rises iuto mouutnins of considerable height at its north-wostern extremits, hut the greater part of its surface, although high and very irregular, prosents no elcrations of any consequence. Cuilcagh, tho highest point of the north-western chain ( 218 y feet), forms with the resuaindor of the Ballynageeragh Mouutains the southern boundary of the basin of Lough Erno, the chief feeders of which lake flow from this county; From Lough Dawnagh on the south, where Cavan joins the county of Longford, the river Emine flows northwarl through Lough Oughter and Belturbet to tho borders of Fermanagh, where, after ticarly bisecting the counts of Carna, it enters Upper Lough Eirne at the same point with the Woodford, a considerable stream which also erosses the county a little farther north from a small lake on tho borders of Leitrim. The Erno betweeu Lough Oughter and Upper Lough lirne receives the waters of the Annalee, which, rising from two lakes on the borders of Monaghan, runs nearly west through tho flat country between Cootehill at its source and Butler's Bridge near its confluence. lough Sheelin and Lough liamor, or Virsinis Water, are nlso two considerahle lakes in this county: the first discharges its waters through Westmeath by the Inny, a feeder of the Shannon; the second through Meath by the Blackwater, a tributary of the Boyue. The chief lines of road aro in the direction of the greatest leugth und hreadth of the county, from Naran in Meath on the sonth-east to Belturbet and Floreuce Court on the borders of Fermanagh ou the north-west, and from Killeshandra on the couth-went to Cootehill on the north-cast ; the point of intersection is at Caran, tho assizo town, sitnated very acarly in the centro of the county. The line of navigation of tho Ulater Canal connecte Belturbet with Lough Eruo and Lough Neagh.

Geology, Nineralogy, dec.-In geological distribution Caran helouga to the clay-slato and granwacko dintrich ladurated schist constitutes the surface rock throughout the whole of the county, except where it is overlnid by tabular unasses of millstone grit his the mountainous district on the north-west and ln the low ground containing the laker of Upper Lough Erae, which is occupied by an extension of the limestone central plain. A patch of granite about soven miles square occurs in the enstern part of the county, and ansists in explaiuing the broken claracter of the lills in that district, the presumption heing
that the granite extends at no great distance under the grauwacke from this point to the neighbouring granite district of Monrne, and that to this is owing the contortion of the incumbent strata. The county boundary also includes a small portion of the coal-field extending from the northern extremity of Meath to the south of Armagh by Kingscourt. The whole county is rich in minerals. At Swanlinbar and Cuilcagh among the Ballynageeragh Mountains are mines of coal and iron; lead and silver ore have heen discovered near Ballyconnell in the same district; lead and copper occur near Cootehill: coarse manganese and ochres are found in abundance in different parts of the county. A strong rein of blind coal occurs at Shercock on the east of the county, and at Ballyjamesduff, a village between Virginia and Cavan, indications of a vein of very good quality have been discovered. Excellent marl, fuller's-earth, potter's-clay, and brick-clay are ahundant throughout the county. There are numerous mineral springs, particularly at Swanlinbar and at Kingacourt, on the eastern border of the county. The spring at Kingscourt feeds a remarkable lake on the summit of an adjacent hill. The lake is about half a square rood in area, has no outlet, preserves a constant level, and never freezes. The water for about sis feet from the surface is pure and clear, hut lower down hecomes gradually more and more muddy, until at a depth of about thirty feet it approaches to the consistence of tar. In this mud the healing virtue of the spring is supposed to reside, and it has been found particularly efficacious when applied as poultices in scorbutic complaints. On the plain below is a chalybeate spring which is also resorted to hy invalids, but has no connection with the pool ahove. The name of this pool in Irish is Lough-anleighagh.

Soil, Climate, Agricidture. - The soil of Cavan is descrihed as being naturally cold, spongy, and inclined to rushes, but with proper draining aud manuring it can be rendered highly productive. In the district watered by the Erue and its feeders the crops are luxuriant, and tho face of the country rich and pleasing. In the mountainous country the soil is very poor; plough-hushandry is totally unknown; and the crops, which consist of potatoes and a poor sort of black oats, are put in with s uarrow-bladed spade called a sloy. In this part of the county there are few roads, and the slide-car is still in general use. In both districts the dry-stone fence is almost universal, quick and thom hedges being only found on the farms of the wealthy or in the demesncs of the great resident proprietors. Such demesnes are however numerous, and some of them, particularly those of Lord Farnham near Cavan town and of Mr. Coote at Bellamont Forest near Cootchill, are of great extent and of remarkable beauty. The farms in general are very small.

The linen trade has declined here for some time back, but its revival in Antrim and Down is likely to render it again the staple trade of all Ulster. The ground in the lowlands is chiefly under tillage, but there is a little wheat grown; potatoes, oats, and fax are the priucipal crops raised. Grain is almost universally sown in ridges in consequence of the wetness of the soil. The corn-mills aro small and for the most part attrached to the several estates, as manor-mills, at which the tenants are obliged by their leases to griud. The breed of eattle is poor; but great exertions have been made of late years by spirited resident proprietors to introduce an improved stock, as well as to improve the system of farming by the example of green crops and stall feeding.

Divisions, Torons, dec-Cavan is divided into 8 baronies, namely, Tullaghaw, comprising the mountainous district on the north-west; Tullaghonoho on the south-west; Clanmaghon and Castleraghan on the south; Clonkee on the east; Tullaghgarvey on the northeast; Upper Loughtee on the north; and Lower Loughtee in the centre.

Cafan, the county town; Ballierorouah, Belturbet, and Cootemill are descrihed in scparato articles. The following smaller towns and villages may bo noticed here:-

Arragh, population 698, is finely situated uear Lake Garty amid pictnresque scenery. The shores of the lake have heen planted by the proprietor, the Farl of Gosford, who has also considerably improved the town. The soil in tho vicinity is fertile. Besides the Episcopal church, which was huilt in 1821 and enlarged in 1827, there are chapels for Roman Catholics and Presbyterians. Petty sessions are held in the town, and there is here a sub-inspector's station of the county constabulary. Ten fairs are held th the course of the year. Ballyconnelh, population 503, on the Woodford River, 5 miles W. from Pelturbet, occupies a romantic situation at the foot of the mountain Ligarregra, or Slieve Russel. The town contains a court-house, a bridewell, and a dispensary. Petty sessions are held here, and there is a monthly fair. Ballyhaise, population 356, on the Annalee River, 3 miles N.N.E. from Cavan, possesses a market of some importance, held weekly. The market-house is of peculiar construction, being raised upon a series of arches. Nine fairs are held in the course of the year. Several large corn-mills are in the vicinity of the town. Ballyjameaduff, population 875, is bcautifully situated in a hilly district sbout 11 miles S.S.F. from Cavan. It is a post-town, and possesses a weekly market. The soil in the neighbourhood is fertile. Petty sessinns are held, and there is a monthly fair. 'The Epissopaliann, Roman Catholics, and Presbyterians have places of worship. Near the town is an extensive lake. Bawnboy, although only a village of not moro than twenty houses, is noticed here as it has been mado the
seat of a Poor-Law Union: the Union comprises 25 electoral divisions, with an area of 104,504 acres, and a population in 1851 of 29,404 . Bellananagh, or Bellinagh, population 681, about 4 miles S.S.W. from Cavan, is situated in a very pleasiug part of the county, the neighhourhood heing adorned with numerous mansious and diversified by wood and water. Petty sessions are held, aud there are ten fairs in the course of the year. Fillashandra, population 932, besides 235 in the auxiliary workhouso, is picturesquely placed on a ridge of low elevation, surrounded by a series of beautiful lakes which flow iuto Lough Oughter. A considerable amount of farm produce is disposed of at the weekly market ; some coarse hineus also are sold, but there is little other trade. The Episcopalians, Presbyterians, Methodists, and Roman Catholics have places of worship. The town consists chiefly of one wide street. Petty sessions are held, aud there is a sub-inspector's station of the county constabulary. Seven fairs are held in the course of the year. Kingscourt, population 1143, situated near the junction of the counties of Meath, Cavan, Louth, and Monaghan, consists chiefly of one long irregular street, and contains an Episcopalian church, a chapel for Roman Catholics, and several good dwelling-houses. Petty sessions and a monthly fair are held in the
town. At the weekly market a good cleal of agricultural produce is sold. Mullagh, population 358 , is pleasantly situated on the road from Virginia to Moynalty. The site is elevated, and in the ueighbourhood are several lakes, the banks of which are clothed with wood. There are places of worship for Episcopshians and Roman Catholics. Fairs are held on the last Friday in January, March, May, July, September, and November.. Petty sessions are held on the second Tuesday of the month. Shercock, population 359, a rural village on the road from Dublin to Clones, about 6 miles N.N.W. from Kingscourt, has an Episcopalian and a Roman Catholic chapel, and a dispensary of the Bailieborough Poor-Law Union. Petty sessions and a monthly fair are held at Shercock. Near the village is Lough Shillan, a picturcsque lake; and there are several good country seats, of which one named Shinan is surrounded by several small loughs. Suanlinbar, population 406, is situated on the Cloddagh rivulet in a wild district of country near the border of Fermanagh county, about 9 miles S. hy W. from Euniskillen. There are here places of worship for Episcopahans, Roman Catholics, and Wesleyan Mcthodists. Petty s -8sions and a monthly fair are held, and there is a dispensary of the Bawnboy Poor-law Union. The constabulary force has a station here. A chalybeate spring near Swanlinbar enjoyed for some time conside. rable reputation, and attracted numerous visiters. Virginia, population 859 , is a small towu, prettily situated on the shore of Lough Ramor. The town has hcen much improved in appearance of late years. It forms part of the extensive estate of the Marquis of Headfort. The church is a small but remarkably neat edifice. There is a fever hospital. Petty sessions and a monthly fair are held. Lough Ramor with its small wooded islands presents much varied and beautiful scenery.
The county returns two memhers to the Imperial Parliament. It is in the north-west circuit. The assizes are held at Cavan, where are the county jail and the county infirmary. Quarter sessions are held at Bailieborongh, Ballyconnell, Cavan and Cootehill ; petty sessions at twenty-one places There are bridewells at Bailieborough, Ballyconnell, and Cootehill. The district lunatic asylum, to which the county is entitled to send 33 patients, is at Armagh. Fever hospitals are at Bailieborough, Cavan, Cootehill, and Virginia. There are 21 dispensaries in the county. Cavan possesses a savings bank, aud there is a loan-fund at Ballyjanesduff. The Poor-Law Union workhouses are at Bailieborough, Bawnboy, Cavan, and Cootehill. Tuere are barracks at Cavan and Belturbet, the former of which is in the military district of Belfast. The pobice force, numbering in all 419, is divided into 8 districts, comprising 39 stations: Cavan is the head-quarters. Revenue police-stations are at Bailieborough and Belturbet.

History and Antiquities.-Cavan was anciently called Breifne (Brenny), by which name it is distinguished in the history of the Conquest as being part of the territory of U'Rourke, the seduction of whose wife by Dermot Mac Murrogh was the proximate cause of Strongbow's invasiou. It was first made shire-ground about 1590. On this occasion the boundaries of the haronies were fixed, and the whole county was divided among the native possessors, five baronies being allotted to differcnt members of the O'Reilly family alone, with a reservation of 220 beeves as a chief rent to the crown. Iu 1610 the O'Reillys having forfeited their possessions by rebcllion, Cavan reverted to the crown. On the general plantation of Ulster, the introduction of a civilised and industrious population had the best effects iu reclaiming the country, which up to this time had been waste aud barbarous. Castles were built on all the chief uudertakerss portions ; the foundations of towns were laid at Virginia, Belturbet, and Ballycounell, and of numcrous cousiderable villıges throughout all the low part of the county. The principal settlers were Hamultons, Auchnuties, and Bailies, from Scotland; Lamberts, Parsons, Ridyeways, and Butlers, from England and the pale; and of the reinstated Irish the chief were O'Reillys. There is very littlo of interest counected with the subsequent history of Cavan. Iu this county aro remains of raths, tumuli, castles, and religious houses, but nono of any extent or historical interest. On the hill of Cuilcagh near Swan-

Haker, In the north-west part of the countr. Was formerly the place of inneguration for Mncguire, lond of Fertuanagh; the epot in atill megarded with mipentlitious reneration by the peamntry.
(Snfieical Ewrvy of Coran; l'yauar, Swrrey; Thom, Irish


CAVAN, county of Ciran, Iroland; the connty town, a market and post-town, and the seat of A Poon Law Union, in the jmrish of Urney and barony of Upp, r Longhtec, is situnted ln $53^{\circ} 59^{\circ}$ N. lat., $7^{\circ} 13^{\prime}$ W. longo, and 70 milre N.W. from Dublin. The population in 1851 Was 3951, beldes 1268 in the Union workhoush and other puhlle inntitutiona Cavan Poor-Law Union comprises 33 electoral dirislons, with an aren of 160,062 acres, and n population $\ln 1851$ of $6 \%, 005$.

Caran lesituatod in a rich and woll eultirated valo adjoining the exteveive demense of Faraham. The principal pablic buildinga are grouped together on the wentern out-skitt of the town. They consist of the county jall and coart-house, both spacious and handsome buillings, the brmakn, and a remarkably fine parisb ehurch. A publio pleasure-kround, bequeathed by the late Lady Farnhan for the recreation of the inhahitants, forms a pleasing fonture in connection with this pat of the town. The houses of the main street oecupring the line of road from Dublin to Enniskillen are old and irregular, and the euburbs consist for the most part of wretched cabing. The llomnn Catholic chapel ls a large commodious building. Thero are also I'reabyterian and Mlethodist meeting houses; a fever bospital, and an infirmary. The Royal Hndowed school, founded in the riga of Cliurles I., has a variable income arising from tbe rent of 800 scres of land; the number of scholars in 1851 was 26 . Five exhibitions or Queen's scholarshipa, of 251 . a yoar cach, havo been atteched to this school by the Board of Fiducation. The neiglsbourhood is rich and closcls cultivated; but the farms are very small, and mucb land is wasted hy injudicious inclosures. Petty and quarter neasions are held in the town, and tbere aro six fairs in the course of the jear. A reekly market is held on Tuesday : a considerable retail trade is carried on in the town.
(Franer, Ifandbook of Ircland; Ondnance Surrey Map.)
CAVFRY. [HMDDESTAN.]
CAWNPO'OR, a district in the province of Allahabad, lies botween $26^{\circ}$ and $27^{\circ} \mathrm{N}$. lat. $79^{\circ}$ and $81^{\circ} \mathrm{F}$ long. ; bounded N . by the Fitaweb district, W. and S. by the Junna, and F by the Ganges. The noil of about two-thirds of the dintrict yields maize, barley, and wbeat, tumipe, cabbagen, and other European garden rcgetables, with grapen, peaches, and sovernl other fruits which have been introduced by European residents; the sugar-ane also grows luxuriantly. Irrigation in much practised.
From a statintical repert recently made concerning this district, it appears that the number of tommbips it contains is $22 \%$; its area is $1,480.101$ acres, of whlch 781,173 aro cultivated, 163,563 fit for enltivation, free-land 44,015 , and 499,350 acres aro wholly uaprodnetive. The government nsessment amounted to 2,046,197 rupeen, or about $2 \&$ rupees per acre on the cultivated portion of the land.

Casenpoor, the capital of the distriet, sitmated on the rigbt bank of the Ganges, in $26^{\circ} 30^{\circ} \mathrm{N}$. lat., and $80^{\circ} 13^{\prime} \mathrm{E}$. long., is one of the largest mllitary etation in India. The old town stands a short distance porth-west of the modern buildinga, and higher up the Ganges. The principal atroet in composed of well-built brick housen two or three stories high, with balconies in front; the other parts of the town consist of meas house built in a straggling manner. There ara many handsome shops in the prineipal street contaiuing generally an abun dant supply of European goods, which aro sold at inoterate prices. Along the banks of the Gauges aro nany detached houses, or bungalows, the residences of the officers stationed at Cawnpoor.

The other principal towns aro Resoulabad, in $26^{\circ} 40^{\circ} \mathrm{N}$. lat, and $70^{\circ} 40^{\prime}$ E. long., abont 30 mile S.S.W. from Kanoje: Jarjemow, iu $20^{\circ} 26^{\prime} \mathrm{N}$. lath, and $80^{\circ} 16^{\circ} \mathrm{E}$. loug., 8 miles S S. Fin from the town of Cawnpoor: and Akbarpore, in $26^{\circ} 23^{\prime}$ N. lat., and $70^{\circ} 52^{\prime}$ E. long., 25 milen W.S.W. from Cawnpoor.
CAWOOD. [Yonksmre]
CAXTON, Combridgeshire, a decayed market-lown in tho parish of the eamo name and hundred of Long Stow, and conjointly with Arrington tho seat of a Poor-Law Union, is situnted in $62^{\circ} 12^{\prime} \mathrm{N}$. lath, $0^{\circ} 5^{\circ} \mathrm{W}$. long., distant 10 milem W. from Cambridge, and 50 miles N. from London by roed. The population of the parish of Caxton,
laclunve of 180 pernone in Caxtonand Arriagton workhouse, was 630 Inclusive of 180 pernons in Caxtonand Arrington workhouse, was 630
in 1851. The liviag ls a vicarage ln the archdeaconry and diocese of Fily. Cashon and Arrington I'oor-Law Union contalns 26 parishea and townhlym, with an area of 18,853 acres, and a population in 1851 of 11,058 .

The church, dedicatod to St. Androw, consints of a nave and north ainle, of the lato perpeodicular, and a chancel of the carly English
atyle, with a tower at the went cud, embattled and mumounted with atyle, with a tower at tho woit eud, embattled and mumounted with employed in agricultures A mark ot whe granted to the town in 124\%, but it wan dincontinued about the maddlo of last contury. $A$ amali falr is beld $\ln$ Oetolier.

CAYENNE [RUYARA.]
CAYMAN. [JAMAICA.]
CAYMAN, [JAYAICA.]
CAISTELR, MIVFIR [AxatoLu.]
CELA'NO, the ancient Fwcinu, a lako in tho Abruzzo in Italy.
lo renarkable as belng almost exectly in the centro of tho Ytalian penlramia nnd the only lake of any conniderable extent in the Central Apenninea. Tho inko ls nearly oval in shmpe, ahout 20 miles round, 2176 feot aboro the lerel of the sea, and sltuated in a basin without visihlo outlet and screenod on all siven lyy mountains. To tho north risen Moute Velino with its duublo penk to tho leight of 8180 fect, To the east and west are limestone ridges steep and rocky, and of mueh inferior elovation. On the north-west a moternto acclivity soparatus the lake from the valley of the Salto, an affuent of the liber. The lake it appoars was traveroed in ancient timen by a river called Pitonius, which munt be the (liovenco, the oniy perennill strenn of any magnitude that now enters the lako: and les nurplus waters wero carriod off hy aubterranean channels, the openiag of one of which is still riaiblo and called La Pedogna, a uamo clearly derived from Pitonlus. Tho outlets however being insufifelent the lake frequently overflowed the low grounds along its banks. To obviato tho evil Jnlius Cremar deaigned to cut a tunnel from tho lake into the valloy of tbo Liris; his plan however wan not carried into effect till the reign of Cleudius, Who celebrnted the opening of tho tunncl with great magnificence. In the middle ages the tunnel becane obstracted hy the falling in of stones aud earth, and many attempts have heen made since the year 1240 to render it emieient in proventing inundatious of the lake, but without succens. Between 1745 and 1830 the encroschmeuts of the Inke had swallowed up 10,000 acres of the best land in the Abruzzo. Important repairs however wero made at the exponse of the king of the Two Sicilies nader the direction of Signor do Rivera (who examined the tunnel in detail and described it in 1825), and the ancient tunvel was so far rendered arailahle as to carry off a constant though not a large stream of water into the Liris, or Garigliano. The area covered by the lake according to a lato official surver is 36,315 acres. A company was formed at Naples in September 1852 to effect the completo drainge of the lake.

Considered as a remnant of antiquity, the tunnel of Claudius is an exceedingly interesting object. At tho opeaing of it near the lako, the tunncl is about 30 feet high and 23 feet brond; but it contracts con. aiderahly as it adranocs through the mountain. Its whole length is three miles. It is in part cut through the solid lizestone of Monte Salviano, and in part through a chalky earth that has little tenacity. Wherever the latter substance occurs the tunnel is supported by mnsonry of admirable workmanship. To admit light aud air the Iomans suak shafts from above. The entrance to this tunnel is about a mile and a half to the south of the town of Avezzano on the north-west shoro of the lake. [Asruzzo.]

CELBRIDGE, county of Kildare, Ireland, a small town, and the seat of a Poor-law Union, partly in the parish of Kildronght and barouy of Salt North, and partly in the parish of Donaghcumperand barony of Salt South, is sitnated in tho midst of a highly improred country on the river Liffey, 11 miles W. from Duhlin, by the Great Southern and Western railway, from the Hazelhasch station of rhleh it is owe zaile distant. The population in 1851 ras 1674 . Celbridgo Poor-Law Union comprises 15 electoral diviaions, with an aren of 86,839 acres, and a population in $1 \$ 51$ of 22,543 . The river Liffoy dows for several miles in the neighbourhood of Celhridgo tbrough demesuo lands of great heauty. A handsome stone bridge crosses the Liffey at Celbridge. The town contains some good houses, and preaenta rather a neat appearance. Petty sessions are held, and thero are a savings bank, and a fover hospital. Fairs are held on the last Tuesday in April, September Sth, and November Tth. In tho town is a large wrollen factory, erected in 1505 , hut not recently at work.

CELEEBES, a large island of siugular shance in the eastern seas, lying between $2^{\circ} \mathrm{N}$. lat and $6^{\circ} \mathrm{S}$. lat, $119^{\circ}$ and $125^{\circ} \mathrm{E}$. long. The extreme longth of tbe island from north to south is wearly 500 miles. The const on the sorath and cont is so deeply indented by threo brys as to gire to the whole island tho appearanco of four large limbs or peninsulas united together. The central and widest part of the island lies between Tolo Lay on tho east aud Macassar Strait on the west, and mensures sbout 130 milea Tomini or Gorong-talu Gulf, the most nortbern of the thrce, separates the peninsulas that project castward. The otber two peninsulas take a southern direction, and are scparatod by Sowa or Boni Gulf. The area of Celebes in about 70,000 equare milea, aud the population is eatimnted at betwocu 2,000,000 and $8,006,000$.
This island is separated from Borneo by the Sirail of Macassar. This strait, which is 300 milos long from north to soutb, is about 120 miles broad, except at its northern termination, where it is coutracted to half that brealth by Kaninugan Point ou the castern coast of Boruco. The gulf, which is formed by the northern penimeula of Celeben, by the north-eastern coast of Bornen, by the Sooloo Archipelngo, and the islaud of Mindanno, is called the Sea of Celebes.

The island in divided into severnl small ntates, many of which aro actually or virtually suhject to tho Dutch; bist somo of them, as Mandhur on the western conat and lluni to the east of it, and near the centre of the islaud, maistain a nhow of independence. The native sovervignties are all. mblivided under mumerous fendatory chief. The Datch have exereined sovereignty over the ialand sinco 1660 when they drove out the Portugneac. Their principal eettloments in Celobes are-in the north Dleusdo, which comprises tho portbern peninouls: population in $1810,183,000$. In the south

Macansar or Mankasser, embracing the two southem peninsulas, population 1,569,000; and Ternate, which comprises the more southern of the two peninsulas that run eastward with several small islands to the east of it, and is prohahly named from ita heing included in the jurisdiction of the governor of the island of Ternate: population, 97,329. The chief towns of the Dutch are Menado and Kema in the north peninsula, hoth of which were made free ports in 1849, and Mankasser ( $5^{\circ} 9^{\prime} \mathrm{S}$. lat., $119^{\circ} 36^{\prime} \mathrm{E}$. long.,) which was declared a free port in 1846. Mankasser has good anchnrage; the harhour is defended hy Cbi Rottcriam. There is a considerable trade with China, and Cbinese form the hulk of the inhahitants of the town.
The centre of the islanil, the nucleus of the four peninsulas, is a mountainons tract from which four arms hranch ont into the four peninsnlas respectively, and terminate in promontories. The central district is composed of primitive rocks; hut in the northern and in the southern peninsula the soil is in many parts of volcanic origin, Ind in the Menado district there are said to he some active volcanoes. In the low parts of the island there are extcusive grassy plains,
The island contains threo considerahle rivers. The largest, the Cbinrana, rises in the Wadjo country, in the centre of the island, crosses the kingdom of Boni, and discharges itself by several mouths into the Gulf of Sawa. This river is narigahle to a considerahle dismuch farther, to a fresh-water lake called Sedenveug. The river Boli has a har at its mouth with three fathoms' water; it dischsrges itself on the north coast after a long and winding courso. The third river these rivers, the west coast to tbe sonth of Macassar. Besides these rivers, there are numerons small streams, especially on the south coast, which are navigahle for a fow miles hy the rossels of

The island is for the most part fortile, hnt agriculture is generally in a vory backward condition, the inhahitants preforring navigation, fishing, and commercial pursuits to the more quiet employments of their proas Whe Bugis, or inhahitants of Boni, are excellent scamen far as the Gulf every part of tho Indian Archipelago, and ercn go as or sea-slug, which Carpentaria for the parpose of taking the tripang also convey the native produce of the Eastern trade with China. They also convey the native produce of the Eastern Archipelago to Singapore, whero they exchange their cargoes for British and Indian manufactures,
calicoen, ironware, guapowder, and muskets.

The principal productions of tho island
yams, sago, sugar, with some cotton and tobere, maize, cassava, abundant, hut in some mines are worked, yielding nuctal of an ercollont qualits teak. Iron also contains gold mines, which of an excollont quality. The island The whole coast abounds with fish, and the numher of turtle taken is so considerahle that 50,000 pounds weight of tortoise-shell is annually shipped. The women of tho country weave cotton-cloths for domestic use, and for export to Java and other of the Indian Islands, and they manufacture also great numbera of variegatel mate, which are in large demand all through the archipelago.
The Macassar horses are larger, stronger, and more mettlesome than those of Java, to whioh island many huadreds of them are
aunually taken for sale. Tho population sale.
Tho population of Celebes is composed of several distinct races, apeaking different languages. The Bugis are the inost ninmerous, and includo a large proportion of the coast population. The Macassar language is spuken by several tribes who inhabit the sontb-western island The Mandharese language prevails in the central part of the island and towards the western coast: tbe Manados juhabit the inhahited hy Turajas ore centre of the island towards the north is ahorigines of Celebes. Of all theso peore supposed to he the first in enterprise and intelligonce; they ple tho lugis are the carrying trade of the Indian Arehipelago, the trading of the tribes being almost entirely confincl to coasting voyagoe. The Bugis are esteamed to bo very fair dealers, and tbey often embnrk in extensive speculations, Tho Portugucse formed a settlement at Macasar in the year 1512, and it was not until after that time that Macassar with the whole of his suhjects ornh In 1603 the Raja of and soon after the whole of his suhjects onhraced Mohammedanism, example. In 1811 the Ded their weaker ncighbours to follow their conquest to the English, who authority in Celehes was transferred hy peace of 1815.
(Stavorinus, Voyages; Forrest, Voyage; Crawfurd, Indian Archipelago; Count Hogendorp, Coup d'(kil sur l'Ile de Java, dec.; Report of C'ommille of IIouse of Lords on the Affaire of India.)
CELLL. [Lunferno.]
CFENTHAL [LUNREURO.]
CFNTIBAL AMERICA is the central portion of the long isthmus N. lat., aud from $82^{\circ}$ to $94^{\circ} \mathrm{W}$. America, and extends from $8^{\circ}$ to $18^{\circ}$ 1000 sailes; its width yaries from 100 to 300 greatest length is ahout 150,000 square milem, During the Spanish occupmtion Central America, with tho exception of British Hunduras and the Mosquito coast, furmed tho kingdom of Cuatemala. For a short time after the declaration of independenco by the Spanish colonies, this country
was unlted to the Mexican lingdom of Iturhe; but in July 1823 a
uew constitntion was published, according to which the states of into a federaluras, Nicaragua, and San Salvador were formed America. Thenion under the title of the United States of Central states hecame independent however soon dissolved, and the several comprises the independent states of gresent time Central America Honduras, Nicaragua, and Clates of Guatemala, San Salvador, Bratise, and the protected Mosci Rra, the settlement of Honduras descrihed under their respective titles, KINGDOM, which will he fonud physical geography \&c. of this portion of Americh we refer for tho

## CEPHALONIA. [Ionian Islands.] <br> CEPHISSUS. [ATTICA; ATHENs.]

S. lat., $128^{\circ}$ and island in the Eastern Archipelago, betrreen $3^{\circ}$ and $4^{\circ}$ S. lat., $128^{\circ}$ and $131^{\circ}$ E. long., is next to Gilolo the largest of the greatest hreadth above 50 from east to west is 230 miles, and its Captain Keppel ('Indian miles. The estimated area according to The aptain Keppel ('Indian Archipelago') is about 10,000 square miles Hoewamochil or Little Ceram is united un 30,000 . The peninsula of extremity by a narrow isthmus ited to the island at its western chain of by a narrow isthmus, called the Pass of Tamoeno. A between 6000 and runs through the island from east to west, ranging merablestreams to the sea,' ahove the sea, and 'sending down innu and the trees gigantic. Clove vegetation is everywhere luxuriant Dutch trees gigantic. Cloves and nutmegs grow wild, hut the Dutch take great pains to extirpate them in order to preserve thei end of Cluster of small islands off the east is the mountain called the Cermmlant Islauds. To the west of it Strait hetween the two islands. At a short distance to the Booro coast are Amboyna and the Banda a short distauce from the south of Ceram appears to the Banda rslands. The soil in tbe valleys formerly produced great quantities of cloves andula of Hoewamochil were destroyed hy the Dutch about cloves and iutmegs, hut the trees in commerce as Amhernnth about 1657. The cabinet wood known Ceram, which Amhoyna wood is for the most part the prodnce of The inhabitants of Ceram who are of the forests of the sago palm. describod by Dutch writers as tho most Papuan race, have heen the Indian Archipelago. Iters as tho most hloodthirsty cannibals in the coast; they trudo extcnsively with china settlemeuts along hoist the Dutch flag, and assist the Dutha in sea-slugs. They protective system. Uwing to the jo and Dutch in maintaining their of Ceram is verv imper the shores of tbis and tbe neighhouring islands. shells are found on The larger islands of the Ceramlaut group are.
Kcssing), Little Keffing, end Ceramp group are called Grent Keffing (or covered with hetween two and four fathoms' water in a coral bank productions the Ceramlaut Islands do nut materiall diff fate and Molnccas, of which they are considered to atilly differ from the Many of these islands are well cultivated and very populous portion. villages aro large, and each of them constitntes an ind popendent The munits, governed hy a chief. These small states are continually quarrelling, and ofteu at war, and the villages are fortified by walls of considerahle height and thickness; and other walls have been erected to mark tbe respective boundaries. The inhahitants are Mohammedans, and almost every place contains a mosqne.
The Goram Islands, a group inmediately east of the Ceramlaut oonsist of three rather large islands, Goran, Manowolko, and Salawako. These are remarkable as constituting a link in the commercial intercourse of the world. By means of these alone the inhabitants of Papua or New Guinea export the produce of their country, and are supplied with those articles of foreign merchaudise which are in demand among them. Each island has a district on the coast of Papua with which it carries on an exclusive conmerce. If the inhahitants of another island went to visit it for commercial purposes it would he the cause of a war. The inhahitants of Papua, on their side, are also disinclined to enter into a commercial intercourse with any persons except those who commonly visit them. The article which are exported hy them from Papua are slaves, nutmegs, tripaug, tortaiseshell, and edible hirds'-nests ; and the inports consist of guus, gunpowler, small cannons, cotton-cloth, corals, Chinese goods, iron, hardware, and some smaller articles. The imported goods are sent hy the islanders to Bali and Sumbauwa, or the Bugies carry them to
Singapore.
tho C
visited Ceramlaut, as well as the Goram Islands, are frequently visited hy Liglish and American whalers, which export a considerahle quautity of nutmegs, mace, and cloves, ohtained hy harter Dutch con gunpowder, cottoll-cloth, and some other articles. The spread dominions in islands as forming a portion of their widelythey send a vessel there to Archipelago. From time to time arisen between the small independent states, The commercial inter course hetween Banda and the Ceramlantes, The commercial iuter great. Tbe agricultural produce of the islands finds a ready market at Banda, where sago, oil, cocoa-nuts, live stock, wood, areca-nuts, and betel are imported in large quantitics.
(Kolff, Reize door den weiniy bekenden zujdelijken Molukschen Archipel; Captain Keppel, Visic to the Indian Archipelago, London,

CHIRDAGNF, FRAN゙CAISE, a district ceded Ly Spaln to France, In 1660 in virtue of the treaty of the l'yrencer. It was inaluded in Ikousillum and now forms the arrorsdinement of l'rulen, and jart of the arrondisement of Ceret in the department of I'yrine ore. Orientales It le s spountalueus country, and contalne sumdent uplend pasturea Ita capital wan Mout-Louia [Prnfxips-Oruestakise]

CEMET. [l'Yaknem Oramistales]
CERIGO. [losias lanand]
CHR11,LY: [AL1, ER.]
CEIRXE AMBAS, Dunctahire, a markel-town and the seat of a I'vorlaw Union, in the parish of Cerne Ahbes, in the combined hun drod of Conc, Fotcombe, and Motbury, and in the Bridport division of the county, is sltuated on the little river Cerve, a feeder of the Frome, in $60^{\circ} 15^{\circ} \mathrm{N}$. let, $2^{\circ} 49^{\circ} \mathrm{W}$. long., distant if miles $N$. by W. from Dorchester, aud 125 miles W.S. W. from Londun hy road. Dorehcater is 141 miles from $l$ andon by railway viA Southampton. The poppulation of the parioh of Cerne Abban in 1851 was 1313. The living io a vicaraye in the archdemconry of Donset and dioceee of Salisbury. Cernc Pour-law Union contains 20 parimhes nad towuahips, with na aren of 48,237 seren, and a propalation in 1851 of $777^{\circ}$.

Cermo Ablus formerly 1 אnsensed a lenedictlue abbicy of great antiquity; the ahbey wns rebuilt and endowed in the 10 th ceutury. The only remains are a stately square cmbattled tower, or gate-house, which is in a dilapidated condition. Of two stone bridges which cross the riser Cerne here, one, of ancient construction, was formerly an appendage of the abbey. The parish church is a fine building in the perpeadicular abyle, with a Lower which has octagonal turrets and pimnacles. There aro places of worship for Wesleyan Methodists and Independenta, and National and lritish schools.

Ccrue Abbes is pleasantly situated in a vale, surtounded by steep clatk hills. The town is of small exteut. The property being for the most part let out on lives, old houses are being replaced by new onea as the lemes fall in. There is little trade in the place. Tanniug, glove making, malting, aud hrowing afforl employment to some of the inhabitante. The market is on Wedneaday for corn and provifions ; thero aro three naunal fairs Abont 15 acres of land have been laid out in allotment gardeus for the poor, which have proved of considerable henefit.

On the sonthern slope of Trendle 1lill, a little to the north-west of the town, in a colossal figure of a man bearing a club, carved in the clalk. The furure is about 180 fict in height ; the outlines aro abont two feet hrod. On the raspe hill are the site of an ancient fortification and a bnrrow; and sereral barrow are ou other hills.
(llutchins, Hisfory of Horsetshire; Cummunication from Cerne Albas.)

CFiTTE, a flourishing sea-port town in the department of Ilérault, ju France, is built ou the slope and at the foot of a hill (the ancient Mons A大tius, about 600 fect ligh), on a tongue of land betwech the shore-lake of Thau and the Mlediterraneau, which are united by a canal that runs through the town and terminatea in the harbour. It rtands in $43^{\circ} 24^{\prime} \mathrm{N}$. lat., $3^{\circ} 12^{\prime}$ E. long., at a diatance of 422 miles 8. from I'aris, and has a popnlation of about 18,000 . The town owes its riae to the nole, which was cominenced in 1666, and which, extending 650 yardin into the sea, shelters the harhour from the south and couth-enst windm. At its extremity on the left of the entrauce to the harbour in fort St.-Louif, which is surmounted by a lighthouse with a fixed light 82 fcet high. The other side of the harbour is formed by a pier; and to prevent the accuruulation of saud a hreakwater has beeu constructed in front of the cntranco of the harhour. Fort St-lierre on the cxtremity of the pier aud a citadel crected on the opfosite cliffs complete the defences of the harbour. The upace luclowed is about 30 acres, in which there is a depth of ahout 19 feet of wister. A hroad deep canal, lined with lnadsome quays and warehoures, connects the hartour with the shorelake of Thau; aud a new dock, 17 actes in extent, with quays above a thousand yirds in lomgth, wha commenced in 1850 . Thls hasin is also connceted with the herbour hy a cannl.

The town, which la entered hy a cxuseway raised above the shore-lake of Thau, and by a bridge of 52 arches, ia well-huilt, has tribunals of firat lnstance nud of commeree, a college, a puhlic library, inarine lothe, acutome cnirepot, bhip-huildlng yards, and large salt works. The church of St-Louis in the most remarkable hnildiag. The Improrlance of Cette is uwing to its belng an ontlet in the centre of the great whe dintricta of the eouth of France, and to its communica. tion wlth Bordenux hy the Canal du Mill (which enters the shore-lake of Thau at Agde, nud may he eaid to enter the Mediterrancan throngh the barbour of (Cette), with Lyon hy the Canal den Eitangn, the Canal do licaucalro, and the Ithonc, It railway commnnications already roach to Nimes, Manmellle, and Avignon, and will boon bo completerl to I'aria and Jordemux. Tlo foreign commerce and the conoting-trado of Cetle are lmportant and active; and there is beades an cxtenadve traflic with the luterior. Tho town has ship-huilding yards, and is largely engaged in the conl, anchovy, and oyster fisheries. The in ports cunsist of worl, raw cotton, curn, oil, cork, colonial produce, bemp, timber, pitch, tar, iron, tallow, fulboil, and llenicarlo wine from Sjain to mix with French wine for the linglinh and other uarketa. The manufactured articlen are verligris, gieen mosp, brandy, nuger. I erfuace, corkn, ligneum, glase, confectionnry, great nuuber
of wine carla, \&c. The exporta consist of thene articles, and of wiue to the munonnt of about 10,000 tone anmually, salt which is made in large gumutiticu In raat malterns near the town, hrandy (about 5000 lons), besiden almonds, dried fruita, lye stuef, and foar. Skeamerm ply regularly to \$asseillo and the Languedoc Canal. In 1852 the total number of vesels thet entered and left the hmrbour of Cetto amounted to 3903 , with an aggregate hurden of $36 \overline{7}, 48 \overline{7}$ tona Foreigu cousula regide at Cette. The Duchess de Berzi lamed at Cette on her way to La Veudéc in 1882.
(Dictionnaire de la Prance; Macgregor, Statistics: Official Papera.)
CEUTA, or SLBBTA, a town nad fortrees belonging to the Spaniaris, is situated on the porth const of the kingelom of lez in the emplro of Marocco, and at the eatera catrance of the Strait of Gibraltar, where a small peninsula about 3 miles in leagth juts out in a north-north enat direction exactly oppusito Gibraltar. The peuineula la joined to the mainland of Africa hy a narrow isthmus on which the town in huilt, and is well fortificd ou the land side agaiast any attacks of tho Moors. To the northeast of the town the peninnula spreads out in a roundod shape, and is almost entirely occupied hy a ruountriu called Lil. Mina and also Monte del Hacho, a spur of the range of mountains (Jebel Zatout, anciently Septem Fratraa) that runs parallel to tho const, and mary be considered as the north-western eud of the Losser Atlas. The Monte del llacho rises precipitously froun the sea; it is the ancient $A$ bylu, which with the opposite rock of Calpe (Gibraltar) formed the celcbrated Pillars of Herenlea. On the highest part of Abyla stands the citadel of Cetta. Proviaions for the inhahitants and the garrison are chiefly brought from Spain, for little paceahle com mnnication is kept up between the inhabitants and the Moors, Centa has a small and not safo harbour, and 2200 inhahitants, exclusivo of tho garrison, which generally uunbers 5000 men. 'I'he town is well built, very clean, aud well paved. The chief objects in the town beaiden the fortifications aro the cathedral, several courents, an hospital, and a convict estahlishment. Ceuta gives title to a bishop who is suffragan of the Archbishop of Sevilla. It is the seat of a royal court of justice, and the chief of the Spauish presidios, or convict establishments, on the African coast. The military commander is nleo political governor of the place, and has uuder him the other presidios on the coast of Marocco, namely, Peñon de Velez, Alhucema, and Melilla, the latter of which is about 150 miles cast of Ceuta towards the froutiers of Algiers. The total area of the territory of these presidios is 32 square vilcs, and their population not including soldicrs in 1849 was $11,481$.
Centa, or Septa, was a Lowu of Mauritania Tingitana under the Romaus. Johu 1., king of l'ortugal, took it from the Moors in 1415. It came under the dominion of Spain in 1580, when Jhilip II. conquered Portugal. The Jortuguese afterwards formally ceded it to Spain hy the peace of Lisbon in 1668. In 1690 the Aloors besjeged it unsuccessfully. The Mouto del Hacho is in $35^{\circ} 54^{\prime} \mathrm{N}$. lat., $5^{\circ} 16^{\prime}$ W. long

CEVENN'I:S, a chain of mountains in the south of France, forns the watershod between the Lower Saone and the Rhone on the cast and the Loire and the Garoune on tho west; and exteuds from the Canal du Ceutre, a fell milcs north-west of Chalon, to the Camal du Midi, or Langnedoc Canal. These dimensious, which are those of a writer in the 'Dictionmaire de la Jrance,' give the chaiu a length of about 280 miles-much moro than is corumouly assigned to it, for generally the Ceveuncs are supposed to termivate uorthward to the west of Lyom. Googmphically cousiderod however the rauge las tho length here given. Thu valley of the Dheune, which is traversed by the Caual du Ccutre, divides the Cévennes from the Coted'Or hills, which are connected hy the plateau of Laugres with the Voages; and in the south the Canal du Midi marks the depressiou that divides the region of the Cévennes from that of the Dyreuees. On the eastern side these monntains slope dowu rapidly to the valley of the Rhone, into which they scud out numerous short oflsets; on the west they subside gradually iuto the plains of tho west and south-wost of France except at oue puint (uear $14^{\circ} 30^{\prime} \mathrm{N}$. lat., $4^{\circ} \mathrm{E}$. long.), where they are joined to the Auvergne Mountainn by the Margeride chain, which forms part of the watershed hetwen the Allior and the Lot,

The general direction of the chain is from uorth-north-east to south south-west. Immediately cast of Casteluaudary, near the Canal du Nidi in the department of Aude, tho Lower Cérennes Moutains commence under the unize of Montagne Noire, nud ruu north east through the department of Hérault and Gard, seuding forth mumerous ollshoots into thoso of 'Thrn and Aveyron, and dividing the hasin of the Tarn from that of the Hermult. On leaving Gard the chnin increases in height, and ruuniug northeast by uorth cuters tho departiucnt of Lozero, where one of its sumanits, Mont-Lozère, attains the height of 4800 fect. Froun thin point the Margeride ridge springs off towards the north-west, nul uniten the Upper Coreanes with the monntains of Aurergae. The Margerido Mountains attnin the lieight of 1987 feet, and send out aunougot wher branches those of Levezou and Aubrac, which cxtend luto Aveyron. Continuing ln the same dircetion, the Cevenues cover uearly the whole of the department of Ardiche; from the eouth-west of which a rage rum worthward through the department of Hante-Loire, and divides the basin of the Allier from that of the Loirc In the departmeut of Ardeche tho Cevennea Mountalng reach their culninating point in MontMeren, which has

enters the eastern part of Haute-Loire, and taking a northern direction passes, under the names of the mountains of Vivarais, Lyonnais, Beaujolais, and Charolais, and with greatly diminished elevation through the departments of Loire, Rhône, and SaOne-et-Loire, on the northern boundary of which it is separated by the Dheune from the Cote-d'Or Mountains, which divide the feeders of the Seine from those of the Saône. Thus throughout their whole length the Cévennes Mountains form the watershed between the Atlantic and the Mediterranean.
The Cévennes Monntains consist principally of granite ; but basalt, lava-streams, extinct craters, and other evidences of volcanic action at some remote period abound in the central and highest part of the chain and its offshoots, especially in those that run eastward through the department of Ardeche. [Ardèche; Aveyron.] Gold dust is found in the granite deposits after inundations to which most of the rivers of the Uppsr Cévennes are subject. In some parts the rocks are calcareous, and contain grottoes and caverns of great extent. In the calcareous districts the disappearance of a river (locally called an 'aven') for one or two miles is not uncommon. Talc and clay-slate are found in different parts of the chain, while towards the base considerable beds of roofing-slate are found. The Cévennes afford abundaut pasture for large numbers of cattle and sheep, and in some parts the higher summits are covered with forests of pine; chestnuts also aro produced in immense quantities, and form an important article of food and of commerce. On the lower slopes the vine and other fruit-trees flourish. Game is abundant, and wolves are far from being rare. Iron, load, antimony, copper, coal, gypsum, and marble are met with in variuus parts of the chain.

The cultivation of ths lower slopes of the Cévennes is carried on in parts with great diligence, and places which would seem to be the least suited to it havs been rendered available by the careful industry of the inhabitants. They raise across the ravines formed by the mountain torrents a wall of loose stones, through which the waters when clear pass readily; but when after a storm or sudden shower thoy bring down carth and stones, thene walls act as a filter: the earth and stones are deposited, and in time form a platform of good ground. Successive platforms are raised one above another liks a flight of steps, On these platforms vines and mulberry trees are planted, aud potatoes, maize, and other species of grain are produced. In other places natural terraces are inclosed by walls of loose stones, and the basins thus formed are filled with vegetable soil obtained from the cavities of the mountain, or conveyed by the peasants from the foot of it upon their backs.

Thesc mountains are mentioned by ancient authors, both Greck and Latin. Coesar ('Do Bel. Gal.' vii. 8) calls them Cevenna; Pliny (iii. 4) calls them Gebenna. Cresser crossed them in his contest with the Arverni and their confederates under Vercingitorix. The presumed difficulty of the passage had encouraged the Arverni, who deemed themselves covered from attack by these monntains as by a wall. The passage was made early in the year, and Cresar had to make a rood through snow six feet deep. Strabo gives to this range the name of Kéциevò ठpos, while Ptolemæus uses the plural form, тd Kém $\mu \in \nu a$ 8pm. The fastnesses of these mountains afforded refuge to the Huguenots in the religious wars of France. In 1703 the Huguenots of these mountains rose in arms and committcd the most fearful excesscs. They had been driven into rebellion by persecution. The revolt was of sufficient importance to justify the employment for its suppression of Marshal de Villars, who however was soon recalled to more important service, and it was not till 1705 that the revolt was put down by the Duke of Berwick.

Cerennes was also the name given to the northern part of Languedoc traversed by the highest part of the range. It included the districts of Gevaudas, Vivarals, and Velay.

CEYLON, an island lying between $5^{\circ} 54^{\prime}$ and $9^{\circ} 50^{\prime} \mathrm{N}$. lat., $79^{\circ} 50^{\prime}$ and $82^{\circ} 10^{\prime} \mathrm{E}$. long. It is separated on the north-west from tho continent of India by the Gulf of Manaar. Its sxtreme length is about 270 miles from north to south, and its cxtreme breadth 145 miles: tho circuit is about 850 miles. Its arca is about 24,664 square milcs, or about 2000 square miles less than that of Ireland; but no accurate survey has been made. The popnlation in 1843 was 1,442,062, of whom 8275 were whites, $], 413,456$ coloured persons, and 20,431 aliens and resident strangers.

In Sanscrit writings Ceylon is called Lunka (holy or resplendent); in the Singhalese annals it is called Sinha-la-dwipa (the island of lions). Tho Arabs named it Screndib, which is only a corruption of the genuine nams; and the Portuguese, Selan. It has been called Hebenaro (the fertile island); Eelam (the insular kingdom); and Tcnesserim (the place of dclight). To the Greeks and Romans it Was knuwn under tho name of Taprobane, and Salicc. (Ptolemeus.)
Being favourably situated at the western entrance of the Bay of Being favourably situated at the western entrance of the Bay of
Bengal, and bounded on the south and cast by the Indian Ocean, it is admirably adapted for an entrepôt of eastern commerce; and though at present bnt thinly peopled it promiser to take rank among the most important of the linglish possessions.

Surfuce, IIydrography, Communications.-The eastern shore of the inland is in many parts bold and rocky, and the water deep. The north-western and the western ahore from Point Pedro to Colombo is uniformly low, and indsnted with bays and inlets. On this coast
about midway between Manaar and Colombo is the Gulf of Calpentyn, on the west side of the peninsula forming which is the town of Calpentyn, with the harbour of the same name. The south and southeastern shore is elevated, and presents a highly picturesque appearancs. At Trincomalee on the east coast, and Point de Galle on the south-west, there are harbours capable of containing the largest ships; and the roads of Colombo afford a secure anchorage at certain seasons. In the harbour of Trincomalee all the navies of the world might anchor, and be protected at any season. On the southeastern coast there are four ports in which small vessels may find shelter, and five on the north-western coast.

The north-western coast of Ceylon is almost joined to India by the island of Manaar, ADAM's Bridge, and the island of Rameserum. There are only two passages through the strait. One of these, called the Manaar Passage, which separates the island of Manaar from the opposite coast of Ceylon, near Mantotte, was formerly not above four feet deep at high water. The other, called the Paumbeen Passage, separates the island of Rameserum, celebrated throughout India for its pagoda, from the opposite coast of India, near Tonitorré Point. This passage is very narrow, and was once only six feet desp at bigh water. Both the passages have been deepened and ridened.

The physical structure of the interior of Ceylou is but imperfectly known. Its mountain ranges do not in general approach nearer to the sea than 40 miles, lcaving the island nearly surrounded by a rich belt of alluvial earth, well watered by numerous rivers and streams. The great mass of the high land is in the southern and wider part of the island, the central parts of this nountain region being intersected by the seventh parallel of N. lat. Numcrous offsets from this nucleus are detached towards the south, south-eastern, and south-western coast, forming the boundaries between valleys which are drained by rivers rising in the central mass, and running south, south-east, and south-west. This part of the island contains Adam's Peak ( 7420 feet high), which was supposed to be the highest mountain in the island. But the most elsvated point is now ascertained to be Pedrotallagalla, near the European station of Newerra Ellia, which is 8280 feet above the sea, and is surrounded by a tract of elevated country of very irregular surface, and well adapted for almost all the productions of temperate countries. This table-land is generally from 2000 to 3000 feet above the sea. From the central mass in the territory of Kandy, a range of high land runs northward nearly as far as $9^{\circ}$ N. lat., forming the western boundary of the basin of ths Mahavelli Ganga (the chiof river of the island), and separating ths waters which flow into this river, or towards the east coast, from those which run westFard into the Gulf of Manaar. This range is very little known. The interior mountainous district contains numerous beautiful valleys, and prodigious forests. The northern parts of the island are generally flat.

The island sbounds with mountain streams and rivers. The rivers are more numerous on ths south and south-west than on the northeast sids. Thase which flow through the districts on the east and north formerly filled the numerous but now ruinous tanks which once rendercd those districts the most fertile and populous in the island. The principal rivers are the Mahavelli Ganga (the Ganges of Ptolemæus), the Kalani Ganga, the Kalu Ganga, and the Walawe Granga, all of which rise in the central mountain region. Thsy are navigable only for boats and rafts. The Malhavelli Ganga, after descending from the mountains, and traversing the valley of Kotmale under the name of Kotmale Ganga, is joined near Passbage by a smaller branch issuing from the base of Adam's Peak. It then passes through the village of Peradenya, four miles from Kandy, where it is crossed by a modern bridge of one arch, 205 feet in span, constructed of satin-wood. Between Kandy and Bintenne the river descends above 1000 feet, and receives in this part of its course numerous streams. At Bintenne, at the foot of the mountains, its avsrago breadth is 340 feet, and its depth at the ford 5 feet; in the dry season 1 or 2 feet, and during freshes 25 or 30 feet. After a slow northern course through the country of Bintcuue it separates into two branches: the smailer, the Vergel Ganga, enters the sea 25 miles south from Trincomalee; the larger, retaining the uame of Mahavelli Ganga, falls into the great Bay of Trincomalec. It flows through a country onco the granary of the island, as indicated by the numerous remains of works of art for the irrigation of the land, which, now fallen into decay, scrve only to form pestilential morasses. Its whole course is near 200 miles, and it might be rendered navigable for at least 80 miles. The Kalani Ganga runs a westerly course to Colombo, and is the medium for much internal traffic thence to Ruanwelle, a distance of 50 miles. The Kalu Ganga takes a western direction, and after passing through the districts of Saffragam and Three Korles enters the sea at Caltura. It is navigable a little above Ratnapoora. The Waluwe Ganga has a south-eastern course to the ssa, 8 miles to the north of Hambantotte.

In the highlands are several lakes which afford abundant supplics of fish, and are of use for irrigating the rice lands. The flatness of the districts bordering on the sea-coast has occasioued the furmation of extensive salt-water lakes or lagunes, which are connected by canals haring stupendous cmbankments, constructod by the Singhalese three centuries before the Christian ern. Thesc works greatly facilitats the intercourse between tho maritime provinces. Small vesscls from

India may land their cargoen at Colpentyn, and hare thom coureyed ly camal to Colomba

The country boing internocted by deep ravines, onen Impemble, and covored tith thick jungle, the communiontiona are seadered extremeiy diffecult. Under the Kandian goverument the opening of roads wa prohibited, and the pasees were strictly guarded. Narrow paths were mmie by which men on foot could pras aingly, climbing over the moks and through the thiekets In then providiag for the defence of the country its improrement wan neowearily rotarded; and from the little intercourse which mubsisted with the raaritime prorinees, the habice and institutions of the prople wore of the mont simple and primitive kind, exhibiting curious remains of their nocial condition in very remuto sjes. But since the ocenpation of the country by the British many exceilent carriage roals hivo been coustructed at a vast expensa. One of the fincet of these is the main road to Kandy, work of great magnitude, which has besn carried through rome dimicult panses in the hllls, and connected by serera! bridges, tho largest of which, over the Mahavelli Gangn, has beet alneady noticed. A sum of 10,000 was appropriated In 1852 for the construction of an linportant line of rond from Gampola to Iatteu. totte; and the construction of new romis, as woll as the maintenance and repair of those already existing, coustantly engages the attention of the authoritien The government outlay on roads for the year $18 \$ 2$ was 36,5201 from the ireasury, and $17,931 \mathrm{~h}$ from the road ondisance. There are now about 3000 miles of road open, of which a thirl has been added during the last teo years. That cirilisation reccires a porerful impulne by the opening of communications, nnd that it advancen in proportiou to the facilities of commercial intercourse, aro fncts which have been remarkably illuntratod in Ceylon. Roads belng opened they wero soon covered with the rehicles of commerce. Bnzeare and villinges have sprung up along the romds, and the productions of Liurope are soll in every villsge. A mail coach has been for some time established between Colombo and Kandy.

Geolojy and Mineralogy.-Primitive rocks ln numarous varietics countitute the principal formations of the islnad. Granite and gneiss are the mono prevalent; quartz, dolomite, hornblende, primitive greentone, and few others oceur less frequontly. The rarieties of granite and gneise which often pras into each other are very numerous, IS"gular granite in not common, but it is met with at Point-de-Galle. Gncim is far moro abubdant thangranito; a beautlful kind is found at Amanapoora ( $7^{\circ} 15^{\prime} \mathrm{N} ., 80^{\circ} 50^{\prime} \mathrm{E}$.), which contsins a rery large proportion of felopar. At Trincomaloe quartz occurs in veius and in masea mubedded in granite. Homblende and primitive greenstone are found on Adam's Pesk. Dolomite exista Inrgely in the interior, and is used for making lince. It is in this rock that the nitro caves are found. The more recent rocks occur in the level belt near the sea. Fine-grained compact limentone is found in great ahundance on the northern extremity of the island. Along the remainder of the const sandstone generally prevails, lying in horizontal bods along the bench, hut neldom extending boyond it.

Coylon contains oumerous useful minerals and many valuablo gems. Iron in very generally diffused. The black oxide of manganeme is found. Plumbago abounds, and is exported in couniderable quantities. Tin has been funnd; copper existh, with quicksilver and conl. There are no lees than 22 caves from which nitre, nitrate of lime, and a amall proportion of alum are obtained. The sulphate of magnealn in fuund in only one cave, and according to Dr. Dary it is equal to the best Epsom salta. Salt is found in patural deposits, and is formed by artificial means in several parts of the maritime provincen, particularly in Maliagampattoo; it jields a revonue of $40,000 \mathrm{~L}$ per annum.

Of the gems of Ceylon those prinoipally valued are the ruby, the cat'seye, the mapphire, the amethyat, the topaz, the garnet, the cinnamon stone the furmeline, the eircon or Matura diamond, and the golden beryl. Argong the King of Kandy's jewels (sold hy auction in London in 1820) was aberyl which messured two inches in diamoter, and sold for more than 400 L

Thero aro sermal hot epringe in the island : five at Kannya, in the neighbourbood of Trinoumales, nnd two in the prorince of Uwa. The former are renorted to by invalide suffering from rheurnatic and cutaneous disorden: at $7^{4} \mathrm{M}$. the temperatnro of the air being i7 of Fabrenbeit, their heat varien from $80^{\circ}$ to $107^{\circ}$. Tho water is poro, with the exeeption of the elightest trace of coinmon walt and e little osponic acid gan and azote. The Uwn springs aro moro than 1000 fect above the sen, and havo a temperature of $76^{\circ}$ and $85^{\circ}$ rempectively. At Alontocowern thero are two springm, the temperaturo of which in culaterently hlgh to drean foonl. In $7^{\circ} 15^{\prime} \mathrm{N} . \operatorname{lnt}, 81^{\circ} 20^{\prime} \mathrm{E}$. long. noar the I'alapala river, thero in a hot apring which constantly emite als bubhle.

Climate- The elimate of Ceylon in princlpally infinenced by the two troneoonn The north-eant thonnoon prevain from November to Fohruary, add the sonth-wert monnoon from April to September. In the interveaing wonths rarimbie wind and enlms prevail. The seasons aro however nubject to ductpation, the sonth-went wind being generaliy most prevalent Sometime indeed at Colombo thin wlad Eiows for five moaths together, and the north-went winl blown during tho monthe of December and Jenury only. Local circumetenoes modify the wind of the laterior according to the dintance from the
rast and roet coant; thus, at Badulla, In Upper Owah, during the mouthe of June, July, and Auguat, the wind is variable, and for the remainiag ulue month it blow from the northeat. The heat is not
 miting the tomperature, and making the nir mono agreenble and mlubriona. At Culomlo the mean daily variation of the tomperature doen bot cxceol 3 degreen, and the annual ragge of the themanometer is from $76^{\circ}$ to $861^{\circ}$ Fuhrenhoit. At Galle the mean daily rariation is 4 degreen, axd the annunl muge from $70^{\circ}$ to $87^{\circ}$. At Jaffompatam the meas daily variation in 5 degreen, and the annual range from $70^{\circ}$ to $80^{\circ}$. At Trincomaleo the greatest daily variation in $1 \%$ degreen, and the annval rasge from $744^{\circ}$ to $911^{\circ}$. At Kindy, 1437 feet above the men, the mean daily mariation is 6 degreas, and the annual rauge from $66^{\circ}$ to $86^{\circ}$; and at Newerm Ellin, 0210 feet above the wen, the mean dafly varintion is 11 degreen, and the anounl range $851^{\circ}$ to $801^{\circ}$. The enstern part of the island, which is open to the uorth-enst monsoon, partakes of the hot and dry climato of the ooast of Coromnndel. The western division, which ls open to the south-west mousoon, han a climate like that of the Malabar coast, which is teuperato and humid. The northeast winds although acoompanied by raln aro drier than those from the south-west, and the country orer which they blow has an arid appearance as contrnated with the luxuriant verduro of the southern and western districta, which coutinues during the greater part of the year. The driest scasous aro those which occur between the range of the two monsoons, partaking slightly of the influence of both.

The climate and seasons of tho oorthern and sonthern districts ansy be thus strikingly contrasted:- On one sile of the island, and even on one side of a mountain, the rain may fall in terrents, while on the other the earth is parched and the herbage withered. The inhabitants iu one place may be securing thernselves from inundations, while in another they ano carefully distributiug the little water of former sensons which is retaiued in their welle and tanks.

Tine salubrity of Ceylon has been greatly increased of late years by the extension of cultivation and the clearing and draining of jungle land, but very much remains to be accomplished. There can be little doubt that were the island cleared and generally lrought undor cultiration it would be as healthy as England.

Soil, Agricullure, dec.-Quartzose gravel or sand, and felspathic olay, mixed with oxide of iron, derived from the decomposition of the provalling rocks, generally compose tho neil of Ceylon, which seldom contains mone than 3 per couk of vegetable inntter, while quarts often constitutes nine-tenths of the whole. In the cinnamon gardens at Colombo the soil is composed of puro and perfectly whie quartzose sand. A browin loam formed by the decomposition of greiss and granitc, and a reddish loam resulting from the decomponitiou of clay iron-stone callell 'cabook,' ano the most productive soils, aurl the quartz.0se the least so. Tlic soils iu the elerated Inuds of Saffragam and Lower Oivah, and the granitic soils iu the mountains above, aro fertile. The roil of the northorn divislon is mandy and calcareous Agriculture in all its branches is in a very backward condition. Notwithstanding all the advaptages of Ceylon in variety of soil, graduations of temperaturo, and adaptability of climate, the cultivation of rico mny be said to be the only successful tillago of the natives. let it is impossible to foresee the cxtent to which the productions of uearly every other country might be domesticated and cxtended throughout this inland. Agriculturo fourishes most among the Jamul population
of the borth. At Jafina every cultivated spot In securely fencod ; thero ls one well or moro in every field, and by incessant watering the farmers succeed in obtaining a third harvest in each year. For home cousumption they grow an innnmerable variety of fruit and vegetables almost unknown to the rost of the inland; and for trade and export, In addition to their great staple, tobacco, which is the finest in the east, they produce grain of all kinds and curry stuffs, especially onions and chillies, for shipment to India and the connt of Ceylon.
Among the trees indigenous to the island cinnamon, of which Ceylon may be said to have the monopoly, is the principal; but the cocon-nut tres is the most importanat to the faland. The cocon-aut contriboten largely to the silswistence of the people, and when the grain crops fail, or aro destroyed by inundation, averta much of the misery of no merious a calumity. The ieavea, cacli 12 or 13 fect long and 3 feot broal, are excellent food for eleplants, and are plaited into 'cadjans' aud 'cusingoes' for thatching hounes. They are almo Wrought into hrooms, and 'ahooln,' or torches for travellcre. The map, called 'toddy' is extrmeted and uncd as a beromgo in itm natural stito, and converted hy distillatlon into arack. Vinegar is also mado from this anp, and by boiling, a conreo sugar callod jaggery is formed from it. The kernel of the nut is ancl in culinary purposen; but the priacipal part in convorted into 'copperalh,' by boing dried in the sun, and in thin state is transferred to the oil-prese. Tho rofuse oil-cake, called 'poonst,' furniahee good food for poultry and pige. The shells of the nist are formod iuto gobietn, ladlon, and other domostic utcusils; and from the capmule cundige of all klnda, from the smaliest yam to a ship's cablo, is manufsctured. During the six jears precerling 1848 about 20,000 acren were murveyed and sold for cocoa-nut planting at Batticalos and Jaffum ; and at Culpentyu, on the wostern cosst, equally extensire tracts wero in procese of cultivation. When the addition thus made within so sliort a time in taken into consideration, along
with the prodigious extent of native plantations previously existing, which extend in a beit along the western coast of the island almost from south to north, and on the east as Iow as Eatticaloa, an idea may be formed of the remarkable capabilities of Ceylon in this one article, now in so much demand in Europe. Large estahlishments for crushing the oil by steam have been opened at Colombo, where it is shipped to England for the manufacture of candles.

The Palmyra palm abounds in Jaffna, and heing productive in seasons of drought, when the crops fail, is of great value to the people. The leaves are used in the construction of huts, and also as a substitute for paper, and various other purposes. Toddy is extracted from it as from the cocos-nut tree. The timber is used for rafters, and is exported in large quantities. The kittul-tree is peculiar to the south : its sap produces a coarse sugar, and its fruit dried and pulverised serves as a substitute for rico flour. The leaves of the talipot-tree are so large that one will shelter many individuals. They are used hy the natives to protect them from the aun and rain. When softened by hoiling they serve to write upon, and are of great durability. The Ceylon areca-nut is celebrated for its superior quality, and is exported in great quantities.

The cinnamon grounds are situated between Tangalle on the south and Chilaw on the west, and in tho more temperate part of Kandy. They present, when the tree is in flower, an extremely heautiful prospect, the small white petals affording an agreeable contrast with the flame-coloured extremities of the upper and the dark green of the inferior foliage. About half a million of pounds are exported in a year, but the amount is gradually decreasing.
A great variety of timber abounds in this island, and the restrictions by which government formerly prevented its being cut without a licence have been removed. Calamander, satin, rose, ebony, sapan, iron, jack, halmalille, and other heautiful woods for cabinet-work are in profusion.

The coffee-plant thrives, particularly in the interior, and has of late becn greatly improred by culture. The number and size of the coffee plantations had largely increased for several jears hefore the recent equalisation of the duty in Englaud, which appears for a while to havo checked the progress of the planters; but the quantity annually raised is atill very great. The importation of coffee from Ceylon iuto the United Kingdom in 1832 was $2,824,9981 \mathrm{bs}$. ; in 1852 it had risen to $35,316,916$ lhs.; the entire quantity exported from Ceylon in 1852 was $41,706,448 \mathrm{lbe}$. It is only within the last few yesrs that any attention has been paid to the sngar-cane in Ceylon; but there are now several extensive and flouriahing plantations, and it export trade of the island. Chaya root, which yields a ecarlet dye, was once monopolised by the government; but the monopoly has been relinquished. Tohacca is raised principally in the northern and southern districts. Indigo grows wild, but is turned to little account, though it was in ancient times exported from Trincomalee and cclebrated all over India, Arahia, and Persia, and greatly enriched the Ceylon merchants. Some cotton is raised, hut at present little more than is required for consumption in the island; $64,848 \mathrm{lbs}$, were however exported from Ceylon into the United Kingdom in 1852. The pepper-vine grows almost in a wild state. The cardamom plant is abundant. Fruits and culinary vegetables are produced in great variety and profusion. The cultivation of rice had hecome neglectod, hardly enough being produced for the oonsumption of the inhabitants ; its oulture has however heen vigorously resumed, and a considerable quantity is now annually exported to Great Britain. There are two rice harvesta in the jear; the first about February, the second in September. Gamboge, gum-lac, and cardamom seeda are among the articlee produced in Ceylon.

The quadrupeds of Ceylon are for the most part like those of the opposite continent. Elephants are most numerous in the northern and eastern provinces; one European officer in two years killed 400. They often make predatory incursions in troops, and do great injury to the crops. Among the ancients the elephant of Ceylon was celebrated for its extraordinary size and beauty. Leopards, tiger-cats, hymenas, jackals, bears, racoons, and monkeys are anong the more numerous of the wild animals. There are several species of deer, of which the elk and fallow-deer are found in the greatest number; there is also another of very diminutive vize called the moose-deer. (Cervies Aris), which in canght hy the natives, and exposed for sale in the markets. Wild hogs abound in the plains to the eastward.

Of 20 different species of makes examined hy Dr. Davy, 16 were found harmless. The Tic polonga in the mont venomous. Pea-fowl abound wild. Beche de Mer, used for food and paste in China, is collected off Chilaw and Jaffna.

The chank, species of cowry (Voluta gravis), abounds on the uorth-weat coast of Ceylon. There are two kinds, payel and patty, one red and the other white. A third apecies, opeuing to the right, is very rare, and highly valued by the Hiudoos, It has occasionally been sold for 10,000 rupeem, or 1000 l. The demand for chanks, caused by the rites of the llindoo religion, was once so great that the right of finhing for them was sold by the goverament for 60,030 rix dollars per annnm; but the demand decreased, until the revenue from this mource became not worth eullecting, and now this flshery is free to all. The chank fishery was important an a numery for divers.

The most productive pearl banks are situated off Condachy, extending 30 miles from north to south and 20 miles from east to west. The fishery generally commences in March, when the calm weather perinits the boats to go out and return daily. Killecarre is probahly the Colchi mentioned in the Periplus of the Erythræan Sea as the site of these fisheries, and they are carried on in the same manner as described by travellers several centuries ago. The ancient towns of Mantotte and Putlam probably derived much of their importance from their vicinity. In 1833 there were 1250 divers employed, of whorn 1100 were volunteers from the opposite coast. Each pearl bank is available only for one period, of about 20 days in every 7 years; in no season does the fishery last for more than 30 or 35 days, commencing with the calm weather, about the 5th of March. If the oyster is taken before seven years old, its pearls are imperfectly developed; vigilance is therefore necessary to prevent indiscriminate fishing, which would destroy the hanks, or at least render them quite unproductive. The hanks are let, or the pearls sold by the government to the highest hidder. In 1797 the revenue derived from the pearlfisheries was 140,000 l., being the largest ever obtained by the British goverument. From that time the fisheries gradually declined, until they at length became wholly valueless as a source of revenue: they are closed until 1855, when a valuable fishery is anticipated by the governor. The sea-fisheriea are very productive on all parts of the coast.

Commerce. - We have historical proof that, from the Christian era until the beginning of the 6 th century, Ceylon was the emporium of the trade carried on between Africa, India, and China. The Romans particularly, after the discovery of the passage by way of Bahelmandeb to Guzerat, by Hippalus, until the decay of their empire, traded extensively with India and Ceylon; the latter place being the usual limit of their navigation, where they exchanged their gold and silver, the chief instruments of their commerce, for the silks, fine cloths, and costly commodities of Eastern India and China. This trade was afterwards engrossed by the Persians, the principal part of whoso imports consisted of horses for the king. The persons on the island engaged in this trade were settlers-Arabs, Persians, and Malabars successively. The great commercial ports were Colombo aud Galle, though grain and provisions were exportsd in abundance from Trincomale to the opposite coast. In the 11th century the trade was ontirely in the hands of Mohammedan Arabs, who circulated its productions through the Red Sea and Persian Gulf, and various countries of Asia, Europe, and Africa
The vast commerco of Ceylon was not materially checked till the Portuguese engrossed the trade of its principal productious, and interrupted those maritima relutions which had existed previous to tho discovery of the passas round the Caye of Good Hope. But it was reserved for the Dutch system of pernicious monopoly to inflict vital injury on its commercial interests. The narrow policy or indivilual interest of the Dutch governors shackled the commerce of the island, and almost destroyed her natural powers of production. These impolitic restraints have been removed; but it may be still long before Ceylon will oease to feel the effects of the evils which she has suffered from misgovernment in her commercial affairs.
The value of the exports from Ceylon iu 1833 was estimated at $182,580 l$. ; of imports at $320,891 l$. In 1852 they had increased to $948,000 l$. and $1,000,474 l$. respectively ; exclusive of the specie from India, and of the imports re-exported. The principal articies of export are coffee, cocoa-nut oil, cinnamon, and areca-nuts. In 1847 the tariff of the island was entirely remodelled; a low fixed duty, instead of an ad-valorem duty, boing charged upon uearly all articles imported; upon the exeropted articles a duty of 5 per ceut. advalorem is still charged. Cinnamon is the only export paying duty, and the duty on that is about to be removed; there has been for some time a falling off in the quantity exported. It used to average upwards of a million pounds annually; in 1850 it was 644,857 lbs., in 1852 it had fallen to $427,666 \mathrm{lbs}$.

Inhabitants.-The population is at present composed of Singhalese, Malabars, Mohammedans or Moors, Veddas or Beddas, a small proportion of Europeans and their descendants, and negroes, Malays, Chinese, \&c. The Singhalese inhahit Kandy and the south and south-west coasts from Hambantotte to Chilaw, and comprise the great body of the people. They are prohahly descended from the ahorigines and the Gangetic nations, who invaded the island about B.C. 543. The language and customs of the Singhalese are in some respects peculiar. A woman was frequently married to all the brothers of the same family, but this practice is going out of fashion like many others. The civil distinctions of caste are atrictly ohserved. The sbolition of the religious distinction of caste constitutes a remarkable peculiarity in the institution of the Buddhists.

The Malabars or Tamuls occupy the northern and north-eastern coast, and the peninsula of Jaffapatam. Their own traditions and the Singhalese annals inform us that they came as invaders from the opposite coast, and formed a powerful kingdom in Jaffua, besides a number of petty states. They are Hindoos, and have retained the religious as woll as the civil distinctions of caste, and the language and customs of southern India, under some modification, occasioued by their intercourse with the Singhalese.
The Mohammedans or Moors are derived from the various neighbouring islands and the continent, with the couverta they have made.

Throy are found on all parts of the nea-const, an well as in the interior, and In I'ultam district they form the mase of the population. Thoy tolerato the distinctions of anste, and class themselvos lato four orders: mearchantes, weavern, fisherinon, and bunkere. They aro a fine, energotle, industrious race, who engross a large proportion of the coinnerce anel trnfion of the inland. The Veldan, or iboldan, the aborigines of tha inland, are reduced to a very low grade of a mage life, having neither habientions nor clothing. They dwell in the gront foresth which extond from tho sonth to the east and north, and also iu the most inaccemsible partan of the interior.
The desoendants of Europeane of unmilxed blood, and the race whlch has sprung from the intercourse of Europeens with the nativen, are called Burghers. From theso Burghers, almost excluvively, indirldumle hare hitherto been solected for the elerkahips in puhlic offices, and for subordinato magistracie.

Langmaye. - The apoken langunge of the Singhalese is peculiar to thomsolven, but their classio and sacrod writings aro either in Puli or in Sanserit The Malabare uso the Tamul, both for colloquial and literary purposeo - oxcept the Brabmins in Jaffua, who writo Sanscrit in the 'granthn' charactera. The Coylon Portuguese provails in the Europern settlementa, but its use is not universal among the nativen.
Redigion.-Nicephorus supposes that St. Thomas, the apostle, preached the gospel in Ceylon; but modern writers ngree in ussigning to Niestorian missionaries, who accounpanied the nerchants from Persia, the introduction of Christianity into the island. From Cosmas Indicopleustes we learn that about the middle of the 6th century there were churches established here, bnt they no longer existed when the Portuguese arrived, and the permaneut catablishment of Christianity seems to have been effected by St. Francis Xavier, styled the apostle of the Indies. He preached in the neighbonrbood of Mnnaar in 1544, and 600 of his converts fell martyrs to the faith which they adopted. By far the larger number of Christians in the ialnad belong to the lloman Catholic communlon. It numbered at the end of the year $13 \leqslant 8$ about 115,000 members, under a bishop and a ricarapostolic, his coadjutor, and 28 apostolic missionaries. They have above 300 churches, which are maintnined altogether from private resources. Of the Protestants, those of the Church of England are most numcrous. The establishment is under the presidency of the Bishop of Colombo, who has an allowance of 1600l. a year from the East India Company. His diocese comprises the whole island. There are some Presbyterians, Lutherans, Methodiste, and Baptists. Buddhism prevails among the Singhalese. In conformity with the treaty of 1815 , the Buddhist religion is maintained in the interior by the British government, but the charge of the Dalada relic, or tooth of Buddha, and the templo patronage, which wero important privileges of the kinga of Kandy, and to which the British goverament snceoeded, have very properly been relinquished since 1847 to the priests. In the northern parts the Hindoo religion prevails; its profeswore are followers of Siva.
Education-There are a great many village and temple schools, conductod by Buddhist priests, in which reading and writing are taught; but thore are fow useful books in the Singhalese language. The portion of the population receiving educatiou from approved sources scarcely exceeds one-ightieth of the whole. The government elementary and English schools, to which scholars are admitted at a very low charge, while the vernacular schools are frec, had 5676 proils in 1852: in a fow of the mission schools English is taught an well as the vernacular. The advantages of education are eagerly sought by the natives, and its progress is ouly impeded by the want of competent teachers. The expenditure on the government sehools dnring the gear 1852 (exclusive of rent of buildings) was 8648l., and the receipta from achool fees were I121l. A college has been founded at Colombo under the patronage of the Bishop of Colombo, who very largely contributod to the funds, for the education and training of a body of native clergy, entechists, and schoolmasters for the service of the church. There is also a government academy or college at Colombo. The education of the native children is to some extent provided for by the misslonaries of different deuominations, who have also tranulated eeveral English religious books into the SinghaIeve language for the use of the native converts.
The inland in divided into five provinces, deuominated respeotively the lisatern, Western, Northern, Southern, and Central ; and each province in subdivided into districts. The principal towns are Colombo, the capltal ; Kandy, the former capital of the dominions of the King of Kandy; Galle, or Point de Galle, the chief port; Calpentyn, Caltura, Jafnapatam, Nowerra Elin, and Trincomalce. Coloybo, Poist de Galle, and Taiscomalee are noticed under their repective titles, the others we notlee here.

Calpentyn is situated on a peninsula on the west side of the Gulf of Calpentyn, $8^{\circ} \mathrm{I} 4^{\prime}$ N. Lath, $70^{\circ} 58^{\prime}$ E. long., and about 93 milon N. from Colombo: population, 3000 . It wan anclontly called Aruasdi, but the native now call it Kalputti. The town consints of mad.thatched hnts and a fow largs houves roofed with tiles. The extonsive groven of cocon-nut treee with which it in tinckel, and the rich folinge of the Looris, forming a line on each side of the rond leading to the bazaar, give it a plausing appearance. In the town and ite rieinity are numoroun places of worship, I'rotestant, Roman Catholic, Hindoo, and

3ohammedan, A charity achool in mupported by governmont. On nocount of the shonls in the harbour, verects exceeding 100 tons ano obligod to lie in the bay at Mutwal, and unload and convey their cargoos to Cillpentyu in amall boats (dhoniea), of which a great number bolong to the place. The exports from Calpeutyn to Madras and other ports on the Coromandel const are copperahs, cocon-nuth, oil, mhark's fin, coir-rope, honey, beos'-war, gheo (clarified hutter), finh-oil, wood-oil, daumer, mons, chaya rooth, and palayra timber. The imports consist of cloths, paddy, rice, erockery, hempren-thread, spices, minerale, and drugs The opeuing of the canal hetween Chi$\ln w$ and Colombo provod very beneficial to the inhnhitants of Calpentyn, aud the trade by means of inland uavigation mpidly increased. The soil in the vioinity in very productive. In aud nbont the town are about 600 groves of cocon-nut and plingra treos. The gardens produce esery kind of vegotahle, and znangoes, banazas, guavas, paparas, pomegranates, citrons, shaddock, bread-fruit, and very fiue grapes. The faheries of Calpentyn have greatly increased within the last fow years. A large quantity of lime is made from shells found here iu great abundance.

Callura, the principal town of the district of the same name, is situated on the left bank of the Kalu Gauga liver, about 25 zailes S. from Colombo. A small fort etands on a noighbouring mound commauding the river, but it is not uow garrisoned. The soil of the surrounding district is romarkably productive. A great number of Jutra dhonies belong to the port, which trade to Madras and other places on the Coromandel coast. The Wesleyan missionaries have a handsome chapel and achool-house here. Thero is alsu an excellont rest-house for travellers, which is much frequented in consequence of its being on the high rond to Galle. The town is the seat of an assistant government agent, and assistant jndgc. Its climato is remarkably pleasant and salubrious, and the scenery of the vicinity very picturesque; it is therefore a favourite resort of invalids from Colombo. Since the establishmeut of the government sanatorium at Newerra Ellia it has however been less frequented thans formerly.
Jaffnapatam, the chief town of the province of Jaffus, is situated on a peninsula at the north end of the island, 215 miles N . from Colombo: population, about 8000. It is defended by a large fort, which includes a church, the house of the oommandant, and other good buildings. The town is to the cast, half a mile distant, and consists of several broad parallel streets iutersected by sualler streets. The inhabitants are mostly Dutch and their descendanta. The bazanar is abundantly supplied with provisions at a cheap rate. The harbour is only accessible to small veseels, the water beiug shallow. The cargocs of large vessels are unshipped at Kails, and conveyed to the town in bosts. Jaffuapatam is the seat of a government agent and of a pruvincial judge.
Kandy or Candy, formerly the capital of the King of Knndy's dominions, is situated in $7^{\circ} 20^{\prime} \mathrm{N}$. Int., $80^{\circ} 50^{\prime}$ E. long., about 65 miles direct distance E.N.E from Colombo: the population is about 3000 . The torn stands in the midst of steep aud lofty hills corered with jungle, and is very insalubrious. It is nearly encircled at the distance of about 3 miles by the Mahavelli Ganga. The prineipal street is on the doclivity of a hill, and is nearly 2 milas loug. The houses are of mud, and thatehed, but those of the chiefs are tiled and whitowashed. There is a handseme new church; the governon's resideuce nad the artillery barracks are the other publio huildings. The palace of the Kings of Kandy covers a considerablo space, and coutains a great number of rooms. It was once a building of grent maguificence, but has been permittod to fall into a very neglected and dilapidated condition. Among the objects of interest in Kandy aro the temples and tombs of the kings, although uow mere ruins. The town is surrounded by a mud wall, and thick thorn hedges aro also extended round it along the sides of the hills, so as to form lines of circumvallation, learing only nirrow prases. Four miles frou Kandy is Peradenya where are the Ceylon botanical gardens, and near which the Mahavolli Ganga is crossed by the great satin-wood hridge before meutioned.
Newerra Ellia stands on a lofty tahle-land 6200 feet above the level of the sea, about $7^{\circ} 5^{\prime} \mathrm{N}$. lat., $80^{\circ} 54^{\prime} \mathrm{E}$. long., and has risen into importance since its selection as the primcipal governuent sanitary station of Ceylou. Its elevated site renders the climato though keeu penuliarly invigorating to Europeans, and the sconery hy whiel it is surrounded is remarkably pieturesque. I'edrotallagalia, the loftiest of the Ceylon mountains is a striking object from the station. The soil, which is very fertilo, produces all kinds of European vegetables and cereala. Game is very abundant. In the town and its immediato vicinity are houses belonging to the governor, the bishop, tho commander of the forces, and various government offces, barracks, an bospital, \&c.

Covernment, Laws, de.-The native government of Ceylon was etrictly monarchical. The king was proprietor of the soil, regulator of the fondal payments and servlecs, and distributor of all public honoure and omolumenta. The clasaification of the people and the distribution of lands being the basis of the system of goverument, the clvil and judicial administration of the country was entrusted to chiefs placed over different deprartments and in various provinces and districte, with a gradntion of luferior functionarios. The serviccs of all were rewarded with certain privilegen or poseessions. The head
man of each village, to whom the people immediately referred, directed the labour of the people under the authority of the provincial chief, and superintended the police. But the superintendence of agriculture was the duty of a particular class of persons who atteuded to the embankments of tanks and canals, and to the distribution of water.
The government of Ceylon as a Britislı colony is at present carried ou by a governor and two councils-exeeutive and legislative. The executive council consists of the governor, who is president, aud of the following members: the officer commanding the forces, the colonial secretary, the treasurer, the queen's advocate, and the government agent of the central provinces, The legislative council is preaided over by the governor, and consists of the following members: the chief justice, the commander of the forces, the secretary, the treasurer, the auditor-general, the government agent for the western provinces, the government agent for the central provinces, and the surveyorgeneral. With the legislative council are associated six unofficial members, natives or naturalised subjects of Ceylon, being chief landed proprietora or principal merchants. The governor, the cominander of the forces, the chief justice, the queen's advocate, and the surveyorgeneral, are appointed by the secretary of state from England.

Until within the last ycar or two the revenue of the island has, ever since our acquisition of it, been below the cxpenditure. It appears from the report of Governor Sir G. W. Anderson, dated April 1852, that the revenue is now "fairly in advance of the expenditure;" the revenue for 1851 was $429,700 \mathrm{l}$., and the expenditure $409,123 l$.; the revenue for 1852 was $411,806 \%$, and the expenditure $412,871 l$.

In every province is stationed a government agent, and an assistant agent is stationed in each district. These functionaries administer the affairs of government and officiate also as miagistrates. Every village bas its native headman elected by the inhabitants, and officially recogrised by the government.
For the administration of justice throughout the island there are in the civil and criminal departmeuts-a supreme court, established at Colombo; a vice-admiralty court, and provincial courts stationed in various districts; besides magistracies. The powers of the supreme court are similar to those of the Queen's Bench and the High Court of Chancery combined. Justice is administered by judges appointed from Eugland. There are in this court-a queen's advocate, with functious like those of the lord advocate of Scotland; a deputy queen's advocate and registrar ; and a proctor, who is a barrister, for pleading the causes of prisoners and paupers. Trial by jury has subsisted since 1811.

In each district there is a court held before a judge and three assessors; the judgo is appointed by the crown and removeablo at pleasure. The assossors are selected from amongst the iuhabitants, duly qualified, not under 21 years of age. Tho district courta have civil and criminal jurisdiction. They try all offences except those punishable with death, transportation, or banishment, imprisonment for more than one year, whipping exceeding 100 lashes, or a fine of 10 . Appeals may be made from these courts to the supreme conrt. Tho criminal jurisdiction of the supreme court extends throughout the island. The sessions are held twice a year in each circuit, bcing presided over by one of the judgce. Seutence of death pronounced at the criminal sessions by the supreme cuurt is not executed until confirmed by the governor. Appeals from the snpreme court are allowed to the Queen in council. The Duteh or Roman law, with certain exceptions, is administered in both the district and the supreme courta. All the witnesses in criminal cascs are paid by government.

A savings bank has been for some years established with great success at Colombo, under the patronage of government, with nearly the same regulations as in England.
Tho British currency is in circulation throughout the island, and accounts aro becoming generally kept in the same. The silver coiuage of the island is the rupee, the current value of which is fixed at $2 s$. sterling, its real value being $1 \mathrm{c} .10 \mathrm{~d} d$. The silver coinformerly issued by the British government, the rix-dollar, is equal to 1 s .6 d , or to 12 fanams (a copper coin which is equal to 4 pice). English weights and measures are also becoming generally used.

There are four regiments of European infantry, two companies of the royal foot artillery, and a regiment composed principally of Malnys, a fine body of men, nearly 2000 strong.

IIntory.-Onesicritus and Nearchus, commauders of the fleet dispatched by Alexander from the Indus to the Persian Gulf, brought the first accounts of tho island to Europe. Its character and productions are described by Pliny and Ptolemæus. Cosmas Indicopleustes relates, on the authority of his friend Sopator, a merchant, who visited Ceylon in the 6 th century, that the coast inhabitants differed from those of the interior (the land of precious stones), and consisted of a proportion of Persians, who had formed a Christian establishment. In the latter part of the 13 th century the island was visited by Marco Polo, who describes it as the finest island in the world. A bout half a century later it was visited by Sir John Mandeville, who mentions Adam's Peak.
The Singhalese annals extant profess to contain an uninterrupted historical record of events for 24 centuries, according to which their first king Hijaya founded his kingdom by the extirpation of the
original inhabitants about B.c. 543 , and their last king, Shri Wikrama Raja Singha, was deposed by the British in A.D. 1798. Many remarkable vestiges of the Singhalese yet remain in various parts of the island.
Of European nations the Portuguese first established a regular intercourse with Ceylon. The island being torn by internal wars, and invaded from Arabia and Malabar, the king purehased the assistance of the Portuguese with a stipulated annual tributs of $250,0001 \mathrm{bs}$, of cinnamon. The allies gradually gaining a footing iu the island, at length, in 1520, strongly fortified themselves at Colombo, subjected the whole of the maritime districts, and retained possessiou of them for about 150 years. The Kandians having calied in the Dutch, the Portuguese were expelled, but the struggle lasted from 1632 to 1656. The Dutch, like their predecessors, established their dominiou over the maritime provinces, and in 1761, Laving taken Kandy, they would have subjected the whole island had not the siekness of their tromps obliged them to withdraw from the interior. In the war with the French, in 1782, the British took possession of Trincomalee, but it was shortly after retaken by the French, and the sea-coast remained in the hands of the Duteh until 1796, when it was wrested from them by the British, to whom it was formally ceded by the treaty of Amiens.

Iu 1815 the tyranny of the native king, who had foroed the wife of his prime minister to pound to death her own children in a mortar, and committed other atrocities which rendered his dominion intolerable, led to his being deposed ; upon which the British took possession of his dominions at the invitation of the Kandian chiefs, and have retained them ever since.
In 1848 an insurrection, which at first assumed a somewhat serious character, broke out in the Kandian part of the island, avowedly in consequence of the imposition of several new taxes by the British government. The insurgents collected in considerable numbers, and set up a native king; but the rebellion did not spread very widely, and was suppressed with little difficulty. The pretender was transported; a priest who lad taken an active part in the rebellion was shot in his robes, and numerous executions and other severe punishments were inflicted after the suppression of the insurrection. The extent and character of these punishments caused mueh diseussion, and the appointment of a committee of inquiry by the House of Commons. The committee decided not to report to the House their opinion on tho evidence which they had taken, a decision which led to prolonged debate8, while the investigation resulted in the recall of the Governor of Ceylon, Lord Torrington.
(Knox, Mistory of Ceylon; Davy, Ceylon; Bennett, Ceylow and its Capabilities: Sirr, Ceylon and the Cingalese; Parliamentary Papers: Strabo, book x. ; Pliny, Nat. Hist., vi. 22 ; Ptolemæus, b. viii.)
CEYZERIAT. [AIN.]
CHABLAIS (Sciablese), a province of Savoy, in the administrative division of Annecy, extends along tho south coast of tho lake of Genera, and inland as far as an offset of the Alps, which detaches itself from the Dent du Midi, on the borders of Valais. Chablais is bounded S. by the province of Faucigny, W. by the Canton of Geneva, and E. by the Valais. Its greatest length from east to west is 25 miles, its greatest breadth from north to south is about 20 miles. The area is 228,045 acres, or about 356 square miles, and the population in 1848 was 57,562 . It is a very mountainous country, with the exception of a strip of land along the shore of the lake of Geneva, which produces corn, wine, and fruit. A high country erowned by several lofty summits runs generally westward from the Dent du Midi, forming the watershed between the Dranse, which runs northward into the lake of Geneva, and the Arve, a feeder of the Rhone. Numerous ramifications run northward from the range between the tributarjes of the Dranse, the principal river of Chablais, and subsitie into the plain that bounds tho lako of Geneva towards the southwest; but in the eastern part of the province the mountains approach close to the shore. Several narrow valleys run inland between tho offsets of the Alps, along the course of the Dranse and its affluents. These valleys abound in rich pastures, on which large herds of cattle are fed. Very good cheese is made in this part of the country, both for consumption and for exportation. The country abounds also with chestnut and walnut trees. The great Simplon road made by Napoleon I. traverses the north part of the province, following the curve made by the south shore of the lake of Geneva.

Towns.-Thonon, builh on an eminence above the lake, 16 miles E.N.E. from Geneva, 31 miles N.N.E. from Annecy, in the midst of a fine and well wooded country, is the residence of the intendente, or governor of the province. It has a court of justice, a royal college, an academy for boarders, several churehes and convents, a handsomc town-houso, an old castle, and about 4000 inhabitants. At Ripaille, near Thonon, is the once rich and handsome convent founded by Amadeus VIII., duke of Savoy and bishop of Geneva, afterwards Pope Felix V., all of which titles and dignities he resigned and retired to this retreat as an Augustiniau monk. The building has been converted into a farm-house and dwelliugs for the labourers. Evian, a small town, likewise on the coast of the lake, nearly opposite Lausanne in Switzerland, has about 1800 inhabitants. Between Thonan and Evian, on the right bank of the Dranse, are the chalybeate waters of Amphion, which were much frequeuted in the last

Contmy by vieiten from Genern Inlasd among the Alps, is the Fillage of Abondaner, with 1400 inhabitanta, in the ralloy of the same name, to called from the richness of itw parturem. On the coant of the lake towands the borders of Valais was a town called Tauretunuin, which was destroyed by the fall of a monntain $4.1 \mathrm{~L}, 563$. The rocks of Melllerie, cele bryted by llouncoan, and blasted by Napoleon to form the Simplon road, which is hero carried partly through them in a termace between 30 and 00 feet above the lake, aro in thim neighbour hood. Opposite Melllerie the Iake of Geneva attains it greatest depth, 980 feet At the village of St.Glngough a deep revine dividen Savoy from the Valain. The ligheat anmmite ln the Chablais arethe Dent d'Ocha, on the borders of the Valais, 7000 feet above the Ee: the Col de Jourplane, which rises between the Chablais nad Fauciguy, above the valley of the Giffre, a foeder of the Arre, and is about 100 foet higher than the Dent d'Oche; and the Roo d'Finfer, which rises abovo the valley of the Dranse, near the centre of the province, and in about the same height as the latter.

## Cllablis [Yowne]

C11. Eltos.E. ${ }^{\prime} A$, an ofd city of Brootia, situated at the head of a mall plain on the bonders of Phocis, bear the paus which led to Delphi by Panopous and Parnamsns (Thucyd. iv, 72; I'ansan. x. 4). The name of this place does not appear iu Homer's catalogne; Pausinia however conjectnrea (ix, 40,8 ) that it is a later name for Arné, which etood on the samo ground. It is principally celebrated for two battlen fonght here; ove in which Philip of Macedon (Aug. 7 , s.C. 38S) sigwally defented the united forces of Atbens and Thebes; the otber between Sulls and Nithridates (B, O. 86), in which the Romans gained a decisive victory. The Thebang slain in the former battle of Cheroneia we learn from Pausanias (ix. 40) were buried under a snonad aurnounted by a lion. The mound still exista about a mile from the village of Kapurna, whieh now occupies the site of Cheroneia ; a fow yeare go it was examined, and a colosal lion aculptured in the best style of Greciau art, was found in detached fragments about the sides and Interior of the excavation. "This lion," naye Colonel Mura, in his "Tour in Greece," may upon the whole be pronounced the most intereating eepulchral monument of Crecca." During the Peloponneaian war Chæroneia Fia tributary to Orchomenns (Tbucyd. iv, 76) ; but in later times it was one of the confederate Bceotian towns (Pausan. ix. 3, 4). Its sitnation was the cause of much good and ovil to it ; on the one band its neighbourhood to the pess exposed it occusionally to plunder (Thucyd. i. 113); while on the other hand, at the main road from Rome to Athens passed chrongh it, many of the advantages of the carrying-trade accrued to lt. Paunanian telle va (ix. 11) that its inhabitants derived a great profit from the cultivation of the olive, and the manufacture of perfumes from fowors. There are mome ruin of the citadel which stood on a high projecting rock (called Petrachus or Petrochus) a buve the town; there are alno some vemains of a theatre and other buildings. Chzeronela was the birthplace of Plutarch.

CHAGRES in a river in the republio of New Granada in South Amorica. It traremes in a longitudinal valley a considerable portion of the Inthmus of Pansma, riviug in about $9^{\circ} 10^{\prime} \mathrm{N}$. lat., $79^{\circ} 10^{\prime} \mathrm{W}$. long, anoug the high mountains which appromech the Bay of Mandinga. Its upper courno in wentward: nearly opposite the town of Puerto Bello it receives the Pequeui, which comes from the southwost, and is an large and broad no itself. After this junction the river it considerable, and may be navigated by canoes; but the navigation is dangerous owing to the number of rapids, in nome of which the atream runs with extroordinary velocity. This rapldity gradually diminishes, and at Cruces, a small town nituated 23 miles direct distance from the sea, and 44 by the river, it seldom exceeds 3 or 3 ! miles per hour, even in the miny season. Ilere the river bocomea navigable for large river barges. It afterwards gradually declines to the north, senwibly diminishing in rajuidity, and enters the Caribbean See at Chagron mall ea-port near $y^{\circ} 18^{\prime} \mathrm{N}$. lat, $30^{\circ} \mathrm{W}$. long. The whole conre of the river hardly exceeds 80 or 90 milea

Thin amall river wat until lately of cousiderable importance, on accout of ite facilitaving the commercial intercourse between Europe and the ooutrios on the Pacific Ucean. Goods were brought on muleback from Panama to Cruces, where they wero enbarked in rivero barge of conmiderable bnrden, and carried to the town of Chegrem. This town is a miserable collection of huts, and la very unhealthily aituated. The jort is a littlo sandy bay, with a ledge of rockn acrom ifs entranes, which has not more than is feet of water in the deepent plocen, and in many parte the rock rise to the surface. On the dis. covery of gold in Callfornia tho wretched port of Chagree and its dangerons and unhealthy river rose for a while to great linportauce, an they ley on the readient route from the enstern seaboard of America to the gold fields of Californle. Vast numbers landed fromstonmers and mallug remels at Chagron, meceadod the river as far 2 sthey oould in loat, and clambered over the mountainous road acrome the luthmus to Punama, whence other venscls conveyed thein to the inuch-louged.for 'digging ${ }^{n}$ ' The exhatustlem wealth of Californin atlll attrauted more and more adrenturers along the rould, and it was soon resolved to lay duwn a railway terons the Inthmuw of P'anama. Thin project ie now (Feb. I854) rypldly approaching completion; the railway is open for more than half it length, and Chagrey river and town are now deecrted. The litter is mupplanted by the now city of Aspiownll,
which han beon founded at Xiary Ray, an the Allantle termibation of the railrond. [Graxada, NEw; Navy [Bay.]

CllAlli:y, Suseex, a mmall town, and the ment of a Poor-law Unlon In the pariah of Challer, hundred of sitreet, and rape of Lewee, is situater la $50^{\circ} 50^{\prime \prime} \mathrm{N}$. lah, $0^{\circ} 1^{\prime} \mathrm{W}$. lomgo cliatant 04 miles N. from Lewea, 17 miles E. by N. from Chichester, and 43 milon S. by E. from London by road. Cook's Bridge station of the Brighton aud South Const railwey, 3 I milcs from Clailey, is 47 miles from Loudou. The population of the parish $\ln 1851$ was 1263. The living is a rectory in the archdeaconry of Lewes and dioceso of Chiohestor. Chailoy Poor-Law Uniou contalns 11 parialses and towuhipm, with an ares of 37,040 acres, and a population in 1851 of 8054.
The towa of Chailoy ocenpien a pleasaut aite abont the centro of the purish, on the road from Lewes to London. A good deal of timber is grown in the neighbourhood. The moil is generally productive. The parish church, dedicated to St. Peter, la a mall building with a shingled spire, in which is a peal of six bells. There is a National school.

CHAILLOT, formerly a village in the immadiate vicinity of Parib, from the maln part of which it is separated by the Champs-Elysies: it was constitnted a suburb of Paris by Louis XIV. iu 1659 under the namo of the Faubourg de Is Conferonce. It was inclusod within the wall arected in $1780^{-8} 8$, and now resenbles a little city within a city, but still preaerves a rural and suburban character, with its troes, gandens, and fine views. Chaillot is built ou an emiuence on the right bank of the Selne, and presents, when viewed from that river, a pleasant appearance. The salubrity of the air and the agreeableuens of the prospects have led to the crection of many country honsen in it: the gardens of some of these alope down to the river. It had formerly several religious houses, the most famons of which were the monastery of the Minims and the convent of the Vivitation, founded $\ln 1651$ by Marie of France, the widow of Charlen 1. of England. On the site of the convent Napoleon 1. commenced the erectiou of a palace for the King of Rome. The Duchoss d'Abrantes, widow of Maralsal Junot, died in a Maison de Santé in Chaillot in June 1838. The celebrated carpet manufactory, called the Saromerie, in in Chaillot.
CHALABRE, [AUDE]
CHALAMONT. [ARs.]
CHALCE'DON, properly CALCHEDON, a towu of Bithynia in Asia Minor, was situated on the coast of the Propontis, near the southern entrance of the Bosporus, and nearly opposito Byzantium. It was built by a colony from Megara, B.O. 675. The earlieat hiwtory of Chalcedon is connected with that of the neighbouring Megarian colonien. Its territory extended along the Asintic side of the Bosporus. It was taken by the Persiuna under Otaues after the Scythlan expedition of Darius, retaken by the Atheuians. then recovered its indejendence, and catered iuto a conferloratiou with Byzantinm and other neighbouring cities. It was afterwards subjoct to the kinga of Bithynia. Tho city came into the proseessiou of the Romans with the reet of Bithynia under the will of Nicemedes, B.C. 74; under the empire it was a free city. The Chalcedoniaus having embraced the part of the pretonder Procopius, Valens, after his victory over the latter, ordered the walls of their town to be razed. Chalcedon was taken by Chosroee the Persian, A.D. 616. The final destruction of the city is owing to the Turks, who got materials for the musques and other buildings of Constantinople from Chalcedon.

In Christian history Chalcedon is known for its oouncil held A.D. 451 , which was attended by 630 biahops from both the east and the west. It was the fourth acumenio or general council of the church, those of Nicra, Constantinople, and Ephesus having preceded it, and was convoked by the omperor Marciasus. The couveil condeuned the heresy of Eutychem on the naturo of Jesus Christ. By the 28th canon of the mame council, the see of Constantinople was declared to be equal in diguity, though next in place to that of Ilomo, and full jurisdiction was given to it over the churches of Thrace, Asin, Pontus, and other enstern provinces. Clalcedou is uow a poor villago, two or three iniles south of Soutari, which occupies the site of the auciout Chrymoplin.

CHALCIS, the capital of the Island of Euboon, is situated at the narrowest part of the Euripus-a strait which separates the island from Burutia, and is bere only 40 yarde across. A rock surmounted by a Bquare castle, partly of V'enetiau purtly of Turkish erection, divides the Eurijus into two channols, nud is connected with the Bocotian coast by a stone bridge about 70 foet long, and with the inland by a woodon bridge about 35 feot in length, which is capalile of being raised at cach cud to admit the pasago of vesacla. The wentern channel has a deptl2 of only about 3 feet of water; the eantern one is about 7 or 8 fect deep, and has been romarkable in all ages for its irregular tides. [EuBdsa.] At its castern end tho wooden bridge communicates by a gate (over whioh isstill seen the lion of St. Mark), with the large kastro, or citarlal, of Chalcis, which is built on a high promontory. The bsstions of the knitro are of Venetian construotsou; the rest of the outer walls were built by the Turks, who liave left bere an enormoun piece of ordnance mimilar to those of the Durdanelles for the defence of the atrait On tho land side the kastro is surrounded by a glacis which formod the Turkish cemetery, and rouud this the town extouds in the form of a croscent, each hom of which touches the Euripus, The town in inclosed on the land side by tur-
reted walls bnilt by the Venetians, and now crumbling to ruin. The the best of the houses many of the houses are good and spacious; the best of the houses and a gothic church surmounted by square towers were built by the Venetians, who held the place for square three centuries before its conquest by the Turks in 1470 . The only anoient remains in Chalcis are fragments of white marble in the walls of the houses and different structures in the town. The population of Chalcis is about 5000 .
Chalcis is mentioned by Homer (' I1.' ii. 537). It was founded before the Trojan war by an Ionic oolony from Athens, and it soon became a great commercial centre, trading with all parts of the western Mediterranean. Its early greatness is attested by its numerous colonies. said, in B.C. 1050 . The peninsula betwania, which was founded, it is said, in B.C. 1050. The peninsula between the Thermaic and Singitic cities the Chalcidians founded on it. Among its other important settlements were Rhegium in Italy, and Naxos, Tauromenium, and Zancle in Sicily. In the early period of its history Chalcis was governed by an aristocracy called Hippobotx (horse-feeders), who were probably proprietors of the fcrtile plain that lay between Chalcis and ciretria, and was often the cause of deadly wars between the Chalcidians joined the Bootians ores Peisistratidr from Athens the entering Eubocs with a large force defeated the Chians; but the latter elltering Eubocs with a large force defeated the Chalcidians, and
divided the lands of Ilippobote among 1000 Athenian allottees, B.C. 506. Those settlers retired on the approach of the Persian expedition under Datis and Artaphernes. From the close of the Persian to the closo of the Peloponnesian wars, with the exception of a few months, Chalcis was subject to Athens. In the 21st Jcar of the a short time. It was in this interval recovered her independence for secure a constant communicaterval that the Chalcidians, in order to across the Euripus with the exception of a passage in the centre mole cnough for only a single ship, and defended by two towers erected on each side of the opening in the mole. Subsequently Chalcis was subject to the Macedoniana During the absence of Alexander the hill Canethia the mole was fortified with towers and gates, and the At this time Chalcis was en on the Bootian shore inclosed with walls. At this time Chalcis was uearly nine miles in circuit, and contained many temples, gymnasia, theatres, and other public buildings. In the wars against Macedon the Romans took Chnlcis B.c. 192, but did not occupy it permanently. The Chalcidiaus deserted the Romans in the war with tho Atolians, and received Antiochus into the city on town was in consecu; they subsequently joined the Achæans, and the however, and eonequence destroyed by Muminius. It was soon rebuilt In the time of Justinian the tinie of Strabo, who deacribes the mole. cation with the mainland could bo kept up only by placing wooden planks across the breaches. Chalcis was rebuilt by Juntinian. Aristotle died in Chalcis; it was tho blrthplace of Isaus the orator and kingdom of Greace, Before the restomtion of encient names in the Whilst the Venetlans held it thalled Eyripo, a corruption of Euripus. was also extended to the whole of the island of Eubooa, and was most probably a corruption of Egripo and ponte, a bringo. [EvBca.]

## CHALGRAVE. [OxpordsmifR.]

CHALON, or CHALON-SUIT-SAONE, chief tomn of the third arronby railway S.S.E. from part of Sabne-et-Loire in France, is 239 miles of railway S.S.E. from Paris, and 69 miles N. from Lyon. It stands by the Canal du Centre which connects the Saone with ther is joined $40^{\circ} 40^{\prime} 51^{\prime \prime} \mathrm{N}$. lato, $4^{\circ} 51^{\prime} 22^{\prime \prime} \mathrm{E}$. long., and has a population of 15,719 inclnding the whole commune. Chalon is an ancient place. It occupies the site of Cabillonum or Caballinum, a city which belonged to the NEdui beforo the IRoman conquest of Gaul. (Cresar, 'De Eel. of ac. 52 in Cabillonum. It brother of the orator, spent the winter tho centro of aillonum. It in a large and handsome town built in vineyards, and patch plain covered with meadows, cultivated fields, was much smaller the of coppice-woon. In the middle ages the town soveral guburbs were inclosed. There is still the suburb of Sit. Lanrent, situated on the left bank of the river, and joined to Chalon by a stone bridge of five arches. This suburb contains an hospital remarkable for its internal arrangement and the cxcellent state in which it is kept.
The town in well built; the finest part of it extends along the river, the banks of which are linerl with quays. The most remarkable objects are the former cathedral, a gothic structure of the 13th century; the was fornder --Pierre ; the hospice of St.-Laurentabove mentioned, which in 1082 , and an rancois I. in 1529 ; the hospice of St.-Louis, founded erected in 1793 to commemorate the wening of the canal ; and the pablic library. In the centre of tho Place-de-Beaune, a handsome tunare, there is a beautiful fountain surmounted by a statue of Nepexchango and chamber of com first instance and of commerce, an and a theatre. Among commerce, a college, an agricultural society, hoviery, vinegar, oil, pottery, and imitative pearls. There are also
dye-houses, iron-foundries, and oil and flour mills worked by steam machinery. Corn, flour, wine, colonlal products, cattle, wood, fuel manu for Lyon, coal, charcoal, iron, gypsum, tiles, bitumen, and the manufactures both of the uorth and south of France enter into the commerce of the town. By means of the Saone (which from Chalon the town has a large trans), of the railway, and the Caual du Centre, the town has a large transit-trade.
(Dictionnaire de la Prance; Balbi, Géographie.)
CHALONNES. [MAINE-ET-LOIRE.]
CHALONNES. [MAINE-ET-LOREE.]
capital of the Fourth Mihitary Division of Marne in France; head-quarters of the of commerce, council of Prud' a consultative chamber of mnnufactures, of a in $48^{\circ} 57^{\prime} 21^{\prime \prime}$ N. lat., $4^{\circ} 21^{\prime} 31^{\prime \prime}$ E. agrioultural society, is situated by the Paris-Strasbourg railsas. loug., 107 miles E. from Paris 15,000 , including the whole oommund has a population of about A town existed on thole oommune
and is mentioned in the 'Itinerary' of the Roman dominion in Gaul, Durocatalsuni, and by Eutropiusy of Antoninus under the name of Duro, from a Celtio Eutropius under that of Catalauni : the prefix the bank of a river. Near thoting water, indicates its position on the army of Tetricus, and in town, A.D. 271 , Aurelian defeated launi was of Cetricus, and in A.D. 451 Aëtlus defeated Attila. Cata launi was the name of a tribe supposed to be a subordinate clan of the ancient whom Cæsar places in this part. D'Anville thinks that Chalons is situated town was Duro-Catalaunum.
is here crossed by a fine stone bridge. rounded by ramparts, now almost entirelye. It was formerly sur by six gates, oue of whim almost entirely demolished, and entered form of a triumphal which, on the road leading to Vitry, has the houses being timber-framed and coated with lath aud most of tho it contains some fine structures, among which are aud plaster; but St. Etienne, the che structures, St.-Loup, tho town-house, the former Benedictine abir, St.-Jean, and verted into barracks, and the residence of edictine abbey, now conment, which is one cathedral was origin of edifices of its kind in France. The and dedicated to St.-Alpin. It A.D. 450 , on the site of a pagnn temple, undergone many repairs. The requently suffered from fire, and has three handsome spires about 120 feet high, and supported by eight flying buttresses terminating in scnlptured pyramids, is entered by majestic Greek door of the Corinthian order. The interior, 328 feet lofty vault of thet wido, consists of a choir, nave, and nisles. The circumference. In the sustained by 10 columns, above 13 feet in altars in France; it is surmounted by a baldaquin handsomest grand marble columns. it is surmounted by a baldaquin supported by six represent the story of the creation and events have suffered much, Testament Under the elexion and events related in the New Notre-Dame situated in the centre aneient crypt. The church of 1322 ; it is situated in the centre of the town was consecrated in windows and a in gothic style, and contains beautiful painted church is classed among the historical coved with inscriptions. This remarkable objects college, the objects at Cbalons are the riding-school, the theatre, the college, the public library, eontaining 20,000 volumes, the royal school government and instre which 450 students are maintained by tho cabinet of naturastructed in several arts and mechanical trades; the promenade called 'Lery, the botanioal garden, and the magnificent and covers an area of 19 acres. The Jard indeed is of the town, laid out in plots of greensward, which are separated by 36 allers shaded by magnificent elm-trees. St. Bernard preached to the Crusaders in the Jard. The town gives title to a bishop, whose see comprises the department of Marne, with the exception of the arrondissement of Reims. It has two ecclesiastical seminaries. The manufactures consist of fine rateens, girthweb, woolcombers' cards, hosiery, hoton yarn, and leather; the chief aiticles of commerce are corn, hemp, wool, rapeseed oil, and Champagne wine
An 1853; Almanac de Cotha, 1854.) Qeographie; Annudire pour (Hus, Almanac de Gotha, 1854.)

## CHALOSSE. [LANDES.]

CHALUS. [Vienne, Haute.]
also the most considerablel of the province called Savoy Proper, is also the most considcrable town in all Saroy, and the residence of the military governor of that duchy, and of the senate or high eourt of jnstice for all its provinces, It lies at an elevation of 930 feet above the sea, in a fine valley, between two ridges which run northwest and south east from the Rhoue to the Isere. The valley is watered by the river Leisso which falls into tho pretty lake of Bourget, 8 miles north-west of Chambery. The valley from Bourget to Mont mélian is abont 18 miles long and 3 miles broad. It abouuds with vines, and the lower part is rich in pasture, but is subject to sudden inundations from the swelling of the mountain streams. The climate rola, beling sheltered from the north winds Chambery has a royal college, an academy of sciences, which publishes its memoirs; volumes ; a volumes; a museum ; theatre; and a school of drawing. There
are many bospitals, housos for refuge, and other charitable institution in the town. General do loigne, a native of Chambery, having made a Iarge fertune in the service of the Fiant India Company, spent three nillions and a half of frase in founding two hompltals and making improvemeuts in the lown. A stroot has boen named after hius, and a monument was lately orected to his memory. With the exception of the principal atrect and a fow equares which are adorned with fountaias, tho town is irrgularly bulle The prineipal buildings ano the cathedral, four convents, thre monasteries, and thrre larraeks. There are remalns of the old castle of the Dukes of Saroy at the catrance of the cown by the Lyon rom. The ehurches of Chambery have some good paintinga. The population of the town and suhurbe is about 16,000 , and in addition to this there is urually a garrison of about 2000 men stationed in the town. The oli ramparts have been lovelled and converted into publio walks. Amung the Induntrinl product of Chambery aro silk-gauze, lace, leather, somp, hate, ta. There is also some trude in liquenrs, wine, metale, ta Many families of the nobility of Saroy reside in this town. Amadeui V. Was the firit duke of Savoy who cstablished his residence here. Chambery gives title to an archbishop. It has prodnced many distinguished men; among others, the Ahbo de St. Réal, Vangelas Albmis Beaumont, known for his travels in tho Alps; the painters Berengier and Berger; and the two Connts de Maistre, Xavier and Joseph, well known in contemporary literature. The province of Chanbery has an area of 634 square miles; in 1848 the population was 152,463. [SAroy.] A railway has been projected to run from Chambery to T'urin, up the valley of the Aro as far as Modanc, and thonce by a tumncl under Mout Cenis into the valley of the Dora. Chamhery has electro-telegraphie communication with Turin.

CHAMBORD. [LorRE-ET-CHER.]
CEAAMOND, ST. [LOIRE]
CHAMOUNY, or CHAMONIX, an Alpine valley in Savoy, at the foot of Mont Blanc. It runs north-east and south-west, being in length about 13 miles, and about 2 miles in hreadth: it is watered by the Arve, which las its souree in the Col de Balme, at the northcast extremity of the valley. The Arve is joined in the middle of the vulley by the Arveron, which issues out of the glacier of Montanvert. The valley is bounded to the cast and southeast by the great chain of the l'cunine Alps, which divides this part of Savoy from the Val d'Aosta in Piedmont, forming a succession of lofty peaks called Aiguillen (Needles), covered with perpetual snow, and known by the wames of Aiguillos do Tour, Argentiere, Verto, Dru, Aiguillo du Midi, and lastly Mont Blanc, which rears itself high above tho rest, at the south-cant extremity of the ralley. The clefts between these different mountains are the receptacles of cxtensivo glaciers, which slope down to the very edge of the fields of the valley of Chamouny. The principal one called La Mer dc Glnce spreads itself between two parallel masses of the great chain, formed hy the GCant and Iorasse on one side, and the Dru, Muntanvert, Charmoz, and Aiguille du Midi on the other. The length of this iey sea is about 6 miles, and its greatest hreadth about 2 miles. A hranch of it slopes dewn through an opening between the Dru and the Montanvert towards the valley of Chamouny. On the west side the ralley of Chamonny is bounded hy the Brevent, 8000 feet high, which is an offset of the group of the Buet, the sumait of which is covered with perpetual suow, and which divides the valley of the Arve from that of the Giffre. From the Brevent thero is a msgniticeut view of the great chain opposite, with all its peaks and glaciers, as well as of the group of the Buet towards the north, and of the other mountains of the interior of Savoy. The view from the bottom of the valley itself is too confined (tho mountains rising ahruptly like walls above it) to give a just idea of the extent and height of that great mass of Alpe. The Montnuvert is ancended on mules, and thus the sea of ice may be reached, but the latter part of the excursion is ant without some risk, on account of the numeroun crevice in the ice, which are of unfathomable depth; strangers who venturo on the glaciers should trust implicitly to their guiden.

The road from Geneva to Chamouny follows the course of the Arve ly Bonneville, Sh.alartin, apd Servoz. The approaeh to the valley of Chamouny from Sto-Martin is mearly as interosting as the valley itself. The cascide and the little lake of Chede, and the scenery about Servoz, are remarkably finc. Travellers put up at Le Prieure, which is the principal village in the ralloy of Chamoung.

IBemlden Le Pricund, which derives its namo from a former convent of Ibenodictine foundod here in 1090 , the valley of Chamouny has movoral other villagen or hamicta. The whole valiey contains about $\$ 000$ inhahitants, and is dividod into four parishes. It produces some barloy and omts, but the chlef property of the inhmbitants consists in catele; very good honey is also got here. From 1000 to 2000 strangers vinit this valley every nummer, and their expenditure forms an important aidition to the income of the nativen At Le Prieurd are collection of sinerale, cryatain, amethysta, topazes, and other fine mones which are found in the mountains. The village of Le Prieund is, acconling to Sausvnre, 3348 feet above the sea, no that the prerpendicular leight of Mont Ilanc above the level of the valley in 12,386 fect. Owing however to the rast buttresses which Mout Blane throws out towards the valley of Chamouny itn helght does not strike $s 0$ minch on this side os on the Italian side, townelh the namow sulley
ealled Alle Blanche and Vial d'Entriven, where it rise more abruptly and in a ainglo mans

The ralley of Clamonny was not frequented by travellers till about the middle of the Int century, when Saussure, Delue, and Bourrit mmio ita beation known, an well as lte adrantagea, as a statlon from which to explore the group of Mont Blanc. In oue respect the valley of Chamouny is Inferior to the other Alplne valleys of the Bernemo Oberland and other parta of central Swlezerland; it haw no waterfalls, but thero is a stillness in ite scouery whiols adis to its imponing cfiect.

CIIAMPAGNE, oue of the pruvinces into which France was divided before the rovolution of 1793, wes boundod N . hy Belginm, E. by Lormine, the duelay of Bar, and Francho-Comte, S. hy Bouro gogne, and W. by Li'sle-de-France. It was divided into 8 districts:1. Champagne Iroper, which contnined the towts of Troyes, Chalons-sur-Marno, Sainte-Ménchould, Epermay, and Vertas; 2. Remois, in which wero Reims, Rocroy, Fismes, and Chateau-Poreien; 8. RetheInis, the claief towns of which were IRethel, Méziores, Charloville, and Donchery; 4. Porthois, in whicl were Vitry-lo-Frangois and St.Dizier; 5. Vallage, containing Joinville, Bar-sur-Anbe, Arcis-sur-Aube, and Vany ; 6. Bassigst ; 7. Seuonais, comprising the towns of Sens, Joiguy, Tonnerre, and Chably; 8. Brio-Champenoiso, which contained Meaux, Provins, Chatean-Thierry, Coulommiera, Montereau-fautYonne, aud Bray-sur-Scine. The greatest length of the province was about 180 miles, and the greatest breadth 150 miles. The surface presents extensive plains with rauges of hills, particularly towards the east and uorth. The soil and produce are of great variety. In some parts, especially in the plains, the roil is light, resting on a chalk bottom, ill fitted for tillage, hut producing tolerahly good pasture; in others it is deep and loamy, yiclding excellent wheat, vegetahles, and fruits of all kinds. Most of the hills are planted with rines, which produce the famous Champagne wines.

The greater part of Champagne is comprohended in the hasin of the Scine, by which, and by it tributaries, the Marne, the Aube, and the lonne, it is watered. To these rivers we may add the Aisne (a foeder of the Oiec), with its tributarien the Suippe and the Vole, the Armancon, and the Serain, feeders of the Yonne; and the Meuse, which waters the north-eastern and northern parts. The Seine, Aube, Marne, Aisne, Yonne, aud Meuse are navigable.

Champagne included two archbishoprics, Reims and Sens; four hishoprics, Langres, Clalons, Troyes, aud Meaux, aud a grent number of ableyn, the most celebratod of which was that of Clairvaux. It now forms the departments of Mariz, Ilaute-Marsiz, Aubr, ArDENwfs, and part of those of Yonse, Aisne, Seise-ET-MAMNE, MEUSE, Cótendor, Haute-Saone, and Vosofs.

In the time of Julius Casar the territory subsequently ealled Champagne was inhabited chielly by the Remi, the SGones, the Lingoucs, and the Tricasses, from whom the names of the cities Reims, Sicns, Langres, and Troyes are derived. It was one of the parts of Gaul which romained longest in the posseasion of the lRoman emperors. After the Burgundians and Franks had crossed the lhine and acquired settlements in that country, and the south and west parts had been occupied by the Visigoths, nay even after the Romsn empire itsolf had fallen, and the last emperor of Rome had been deposed in the person of Augustulus (A.D. 476), Agidius and his son Syagrius, who governed this part of Gaul in the name of the emperor of the West, continued in possession of their authority and still upheld the Roman name. However in 186 Syugrius was defented by Clovis and Ragnacarius, confoderated princes of the Franks, and Chmpagne became a portion of the extensive kingdom over which Clovis reigned. After the death of Clovis (A.D. 511) it hecane part of the kingdom of Austrasia, one of those into which the states acquired and ruled by him were disuncmbered. It probably ahout this time got the uame of Campauia (Champague), which is met with in the works of Gregory of Toure, who, wrote in the 6th century. From the time of Charles the Simple to the year 1271 Champagne Was governed by counts and dukes, who, at first appointed by the king, lad contrivel to render their power hereditary. On the death of Heari 1Il., count of Champagne and king of Navarre, in the lastmentioned year, Champagae reverted to the crown of France in consoquence of the marriage of his daughter, Joan of Nararre, to Pbilippe le Bol. The female nohility of Champagne enjoyed in the middle ages the remarkahle privilege of transmitting their rank to their children, even if the hushaud were igmoble. This privilege, called 'Ia nohlemse de la rentro,' was granted by Clanlee lo Chauvo after the battle of Fontenay (June 25, 811) in order to repair the loss of the Champagne nobles, aluost all of whom were slain on that day.
(Beaugier, Mémoires Mistoriques de la frorince de Champagne Béraut, llistoire des Comtes de Champagne et de Brie, Paris, 1839; Dictionnaire de la France.)

CHAMPAGNE [Aıs.]
CHAMPIAIN, a lake of conniderable extent, situated on the northern boundary of, but almost entiroly within, the Unitod States of North America it derives its namo from Samuel de Champlain, a lirencls naval officer, who was governorgeneral of Canada in the 17 th century. It dividen, for more than 100 milen, the state of New York from that of Vermont, and its most northern extremity belongs to Lower Canada. It stretches in a direction very nearly from south to north from $43^{\circ} 90^{\prime}$ to $45^{\circ} 4^{\prime}$, or through 109 miles. The lake may
be considered as extending still farther north in the narrow channel called the river Chamhly, or Sorel, as far as the town of St. Jean, in Lower Canada; this will add about 30 miles more to its length. Its area may be between 600 and 700 square miles. Its breadth varies from about half a mile to 20 miles, and its depth from 50 feet to 280 feet. On both sides of the lake are high grounds which rise to a considerable elevation. Owing to this circumstance the numerous rivers which, from the east as well as from the west, empty themselves into the lake, though they ruu from 40 to 60 miles, are ouly navigable at their mouths; the entire fall in their course being from 500 to 1000 feet. The short river which issues from Lake George and enters Lake Champlain at its southern extremity is likewise unfit for navigation on account of its rapids and cataracts. Lake George is nearly 200 feet above Lake Champlain, and Lake Champlain only 90 feet above the tide-water in the St. Lawrence. This lake is navigated hy vessels of 100 tons hurden, and by steamers of large sizc. It discharges its waters by the Chambly, or Sorel, which leares it at its most northern extremity and falls into the St. Lawrence near the town of Sorel, or William Henry. The Chamhly is navigable for river-barges, and affords a line of communication between the United States and Lower Canada. The Champlain Canal commences at Whitehall, at the southern extremity of the lake, and runs in a general southern course to the Hndson at Fort Edward. From Fort Edward it runs southward along the west side of the river past Saratoga, and joins the Erie at Watervliet above Alhany. The whole length of the canal, including ahout 17 miles of improved rivernavigation, is 64 miles. By this canal a water-communication is opened between the Hudson and the St. Lawrence through Lake Champlain. It was completed in 1822. Among the numerous islands of Lake Champlain, the largest are North and South Hero and Lamotte, belonging to the state of Vermont. The lake abounds with salmon, salmon-trout, sturgeon, pickerel, and other fish.
The principal towns on or near the lake, are Plattshurgh, St. Albans, Burlington [Burlivaton], and Whitehall. In September 1814, a naval battle was fought on this lake, ncar Plattshurgh, in which Commodore Macdonough, the American commander, defeated the British fleet. (Darhy; Bouchette.)
CHANDERNAGORE, the chief town of the French possessions in India, is situated on the river Hoogly, in $22^{\circ} 52^{\prime}$ N. lat., $88^{\circ} 12^{\prime}$ E. long., distant ahout 16 miles N.N.W. from Calcutta. The population in 1841 was about 36,000 ; of which number the European residents did not amount to 300 . The town is well situated, the streets are straight and the houses are well huilt, but the town has decreased in importance owing to its trade having declined. The French settled at Chandernagore in 1676; the British dispossessed them of it in 1759 : it was restored to the French after the conclusion of the war in 1816.

## CHANTILLY. [ALLIER; OISE.]

CHAOURCE. [AUBE.]
CHAPEL-EN-LE-FR1TH, Derbyshire, a market-town and the seat of a Poor-Law Union, in the parish of Chapel-en-le-Frith and hundred of High Peak, is situated in $53^{\circ} 19^{\prime}$ N. lat., $1^{\circ} 54^{\prime} \mathrm{W}$. long., distant 40 miles N.W. by N. from Derby, and 167 miles N.W. by N. from London by road. The population of the parish was 3214 in 1851. The living is a perpetual curacy in the archdeaconry of Derby and diocese of Lichfield. Chapel-en-le-Frith Poor-Law Union contains 17 parishes and townships, with an area of 69,498 acres, and a population in 1851 of 11,493 .

Chapel-on-le-Frith is situated on the edgo of the Peak district, and on the border of Cheshire. The parish church, dedicated to St. Thomas a Becket, is a Grecian building, erected at the beginning of the last century. The Wesleyan and Primitive Methodists and Baptists have places of worship, and there are National and Infant schools, a mutual improvement society for young men, and a savings bank. A county court is held in the town. The town of Chapel-en-le-Frith stands on the side of an eminence, at an elevation of 566 feet above the level of tho sea at low-water. The town is partially lighted with gas, which is supplied by the owners of a cotton manufactory in the neighbourhood. A cotton manufactory and a paper-mill give cmployment to many of the inhabitants. The Peak Forest limeworks, which are about three miles east from the town, give employment in the carting of lime to Manchester. The Peak Forest Canal munt three miles to the north-west of Chapel-en-lo-Frith; communication with it is maintained by a short hranch of the Peak Forest railway. There is a amall market on Thursday; and numerous fairs are held in the course of the jear for the sale of cattle, wool, and provisions.
(Lywons, Magna Britannia; Communication from Chapel-en-leFrith)
CHAPEL HILL. [Carolina, Nobtr.]
CHARD, Somersetshire, a market-town, borough, and the seat of a Poor-Law Union, in the parish of Chard and hundred of Kingsbury Fast, is situated in $50^{\circ} 52^{\prime} \mathrm{N}$. lat., $2^{\circ} 57^{\prime} \mathrm{W}$. long., distant 50 miles S.S.W. from Bristol, and 139 miles W.S,W. from London by road. Taunton, the neareat station on the Great Western line of railway, which is 13 miles from Chard, is 163 miles from London. The population of the horough of Chard in 1851 was 2291. The horough is governed by 4 aldermen and 12 councillors, one of whom is mayor.

GEOC. DIV. VOL, II.

The living is a vicarage in the archdeaconry of Taunton, and diocese of Bath and Wells. Chard Poor-Law Uuion contains 34 parishes and townships, with an area of 57,946 acres, aud a population in 1851 of 26,085.
At the time of the Domesday Survey, the manor of Chard, theu called Cerdre, was held by the bishop of Wells. The borough sent members to Parliament in the reigns of Edward II. and Edward III., but not since. The towu stands on the high ground on the south border of the county, close to Devonshire. The streets, which are rather irregularly laid out, are lighted with gas; the houses are generally well-built. The market-house, an ancient structure, was originally built as a court-houso for the assizes. The parish church; in the perpendicular style, was erected iu the reign of Henry VII. The Baptists, Iudependents, and Wesleyan Methodists have places of worship. Chard possesses an Endowed Grammar school of ancient foundatiou, which had 30 scholars in 1852. There is a National school. An hospital founded in 1662 hy Richard Harvey, and rebuilt in 1841, maintains 16 poor persons, legally settled in the borough, natives having the preference. The lace trade is carried ou in Chard; two large manufactories employing several hundred persons. There are also two iron foundries. A canal connects Chard with Bridgewater, and on the wharf at Chard are extensive warehouses. The market is on Monday ; fairs are held on the first Wednesdays in May, August, and Novemher. A county court is held in the town.
(Communications from Chard.)
CHARENTE, a department in the south-west of France, takes its name from its principal river the Charente. It is bounded N. by the departments of Deux-Sèvres and Haute-Vienne, E. by those of Vieuue and Dordogne, and S. and W. by those of Dordogne and CharentcInférieure. The departmont lies betweeu $45^{\circ} 12^{\prime}$ aud $46^{\circ} 7^{\prime} \mathrm{N}$. lat., $0^{\circ} 50^{\prime} \mathrm{E}$. and $0^{\circ} 30^{\prime} \mathrm{W}$. long. Its greatest length from north-east to south-west is 75 miles; the average breadth is 35 miles. The area according to the cadastral returns of 1851 is $2295 \cdot 6$ square miles, and the population according to the census of the same year amounted to 382,912 , which gives $166^{\circ} 68$ to the square mile, being 8.03 below the average per square mile for the whole of Frauce.
Surface.-The departnent comprises the whole of the former provinces of Angoumois, to which on the west has been added a small strip of Saintonge, on the north portions of Poitou and Marche, and on the east an inconsiderable part of Limousin. It presents a surface diversified by several ranges of hills, sandy and calcareous plains, artificial meadows, heaths, and rocks. The hills, which are pretty equal in height, consist of layers of the fossiliferous deposits, and aro in many places covered with chestnut forests. The soil is dry, but produces abundance of corn and wine. There is but little natural grass-land, but the moorland pastures of the arrondissements of Barhezieux and Confolens serve for tho outrun of a large number of cattle and sheep.

Iydrography and Communications. -The chief river of the dopartment is the Charente, which rising in Haute-Vienne and flowing northwest crosses the north-east of the department of Charente, aud enters that of Vienne as far as Civray; from this town it turns south, and again entering the department of Charente passes Verteuil, Mansle, and Angouleme, whence flowing westward past Châteauneuf, Jarnac, and Cognac, it enters the department of Charente-Inférieure; here it runs north-west past Saintes, and Rochefort, of which it forms the harhour, and falls into the ocean opposite Isle-Madame. The Charente is subject to inundations which greatly contribute to the fertility of the land along its banks; its course is rapid, but the navigation upwards is facilitated by means of 27 large sluices designed to keep the water between each pair of sluices in a state approaching to equilibrium. Its whole length is 200 miles, of which 118 miles are navigahle; the tide ascends it to a little above Saintes, aud steamers piy up the river as far as Angoulême. The Tardoire rises in HauteVienne, flows west past La-Rochefoucauld, below which it receives the Bandiat on its left bank. These two rivers flow in high chanuels through a calcareous soil, abounding in caverus aud grottoes, which absorb some of their waters, for the volume of the united stream becomes vcry much diminished as it approaches the Charente, which it enters after receiving the Bogneure a little above Mansle. The lost waters are supposed to give rise to another feeder of the Chareute, tho Towvres, the source of which at Beaulieu resembles that of the Sorgue in Vaucluse, and rivals it in hcauty. The Né rises iu the south of the department, and enters the Charente below Coguac. Tho Seugne flows through the south-west of Charente-Iuférieure, and joins the Charente east of Saintea. The principal feeders of tho Charente on the right hank are the Antoine, which falls in helow Cognac, and the Boutonne, which, rising in the department of Deux-Sevres, flows through the Charente-Inférieure, passing St.-Jean-d'Angély nud Tonnay-Boutonne, and enters the Charento about 15 miles from its mouth.

The north-east of the department is crossed by the Vienne, which is joined to the Charente hy the Canal-de-Poitou. The southern border of the department is formed hy the Nizonne and the Dronne, which receives the Nizonno and the Tude on its right bank, and falls into the Isle, a fceder of the Dordogue. In the arrondissement of Confolens, there is a great numher of ponds. All the watcrs of the department ahound in fish.

The department is traveroed by 8 natiomal and 9 departsoental roade, and by one militang road. Tho Pari-bordenux rallway, tluough Cribana and Tours, beo alosre 60 mile of itw leogth in thin department, which it enters between Ruffec and Civrny on the north, and runaing wuth pant Antouldme cromes the extreme nouthers boundary of Charente a little south of Chalain
The department contains $1,469,201$ seres, of which 917,105 seres are under tilloge and meadowa; 215,861 under rincyaris; 105,355 aro covend with woods and forest, and 80,007 senes with hoatho, manhes, aud raters. The anmual quastity of hresd-atures and potatoes pros duced amount to 315,000 quartern, of oncs 48,000 quarters, and of chentuute 35,000 quarters. Of wine $\$ 5,314,000$ gallons are prodnced, noue of which is in high repute; the wine-growern apply themnelves more to the distillation of brandy than to the improvemeut of their Finen, each possessing a still, and superintesaling the process of dis. tillation on hir own premises. Tho funous Cogno brandiea, called 'Gues Champagnes do Cognac' (of which not moro than 6000 hutts are produced annually, but the quautity sold undor the name exceeds 15,000 butta), are distilled from the juice of a white grape called 'follo blanche': brandiem made from red wines aro considered greatly inferior. Trufles are very sbundeut; it im calculated that the quantity annually brought to rourket produces about 300,000 franca Saffron in cultirnted. A grent number of piga are fattened, and cattlo for the Paris market; poultry is good and plentiful. The climate in agreeable aud temperste, and the air in pure; strong winds from the west and south-west sometimes prevail.
Mines of lron, lend, and antimony are worked; a good deal of bar-iron aud steel are manufactured; huilding stone, gypsum, and grinding stone are found. Next to brandy, paper is the most importaut article of mauufacture; broadeloth, linen, suilcleth, cordage, hata, corks, oak-mtaves, hoops, and pottery aro also made. Thers are 1414 wind-and water-mills, including paper-mills, 5 smelting furuaces, and 887 factories of rarious kinds. The commerce of the department consinte of the agrioultural and industrial product nemed before, and of oil, nuts, caska, rags, large chestnuta called marrons, \&c.

The department is divided into 5 arrondimements, which, with their subdiviaions, are as follows:-

| Arrondissements. | Cantons. | Communes. | Population in 1855. |
| :---: | :---: | :---: | :---: |
| 1. Angculcme - . | 9 | 144 | 187,696 |
| 2. Cognae - - | 4 | 70 | 57,959 |
| 3. Kuffee | 4 | 82 | 89,260 |
| 4. Barberleux | 6 | 88 | 36,55\% |
| 8. Confolens | 6 | 50 | 11,440 |
| Total | 29 | 454 | 382,012 |

1. In the first arrondissement the chicf town is Asgocleve. MontBron, 16 miles R. from Angouleme, on the left bank of the Tardoine, has 8200 iuhahitante, who mannfacture iron and paper. La-Rochefowcauld, 12 miles N.E. from Angouleme, on the right bank of the Tarduire, whlch is here crossed hy a very ancient hridge, has 2800 inhabit ants; close to the town is an old castle, flanked hy four round towers, in which the suthor of 'Iess Maximen' was born. St.-A mand -de-Boize, near the left bank of the Charente; Blanzac, in a fine corn and grape dintrict, S. of Angouleme ; Rowillac, N.E. of Angouleme; and Ruelle on the Touste (Which bue a large foundry for iron cannon used hy the Fronch anvy, a powder-mill, and several blant-furnaces and iron foundrics), are the mont important of the other towns, having each about 2000 Inhehitants.
2. In the second arrondissement tho chief town is Cognac, whlch hrs tribuuale of first instance, and of commerce, a college, weveral brandy distiluries, and a population of 4118 . It stands in a beautiful and fortile dintriet, on the right bank of the Charente, and ls pretty well huilt. It in the sutepst for the excelleut hrandien of the neighbouring districts, has somo potterien and tan-yarde, and slso a conaiderable trade in who, opirite, linneed, and juniperberries. The romains of the elm nnder which the Duches of Augouleme gave hirth to Francis I., in 1404, are still meen in the park that surrounds the old costle ahove the town. Ohdeanneuf, on the left bauk of the Charente, has 2336 inhablants; near it is a grotto contalning curious stalactites. Jarmac, remorable for the defeat and denth of the Prince de Conde in 1569, standa IE. of Cognse on the Charente, which in here crossed by a 8ne mapmoion-hridge ; it lies large brendy dietillerien, and a population of 2510 . Begonage, 7 mille S. from Cognec, has 2620 Inhabitants, who dimill hramiy of the beat quality.
3. In the third arrondinsement the chlef towa ls Revfec, 27 miles hy rellway N. from Angoulame, near the junction of the Lieu with the Cbercite. The town is well luilt, has a trihnnal of first instance, college, and 8000 inhabitants, vin trade in com, chewtuuts, truffes, cheore, da Near it thero in an extennive forent, and the remains of a fine old cantle called the Chatemu de Broglic. Aigre, S. of Izuffec, in a dintrict fertile in grapew, corn, flax, nad hemp; Manale, on the Chareate; Vertmil, 4 miles Fin from Ruffec, on this lent bank of the Charente; and Villefugnan, 6 mile W. from Kuffec, are the ehief towns of the other cantons, wech with lem then 2000 Inliablanta
4. In the fourth arronikmement the ehief towu in Barberiener, 20 miles S.S.W. from Angoulemen, on the romd to Bordemnx; it han
tribumals of fint imotance and of obmwerce, manufactures of linen and leather, and a population of 8385 . Awbetrre, which phands on the slope of a hill sear the Dronne, and has a church cut in the rock exactly under the court-yand of a catle that crowns the summit of the hill: Baignes, 8 milet Irom Barberienx; Chalais, on the right bank of the Tude; Montmoream, 8, of Smrbozieux; and Brossac, are sunall plocen that give numes to the other cautons.
5. In the fifth arrondimement the chief town in Confolens, which stande at the junction of a mall otroum, called Goiro, with tho Vienne ; it hee a trifunal of first inutance, a college, a public library of 12,000 rolumes, and 2765 inhabitants, who rear great numbers of catcle on the peaturea in the neighbourbood, asd carry on some trade in timber, oak-ataren, end leather. Chabcmuis, on the Vienne; ChampagmeMowion, on the little river Argeut; Sf.-Claud, S. of Coufolens, near which there are several iron worke ; and Montembeuf, are chief towns of the other cantons, with populations geuerally under 2000.

The department forms the soc of the Bishop of Augouleme, is under the jurisdjetiou of the IIigh Court of Borleaux, and is iucluded in the 14th Military Division, which has its head-quartera at Bordeaux.
(Dictionnaire de la Franes: Balhi, Geographie; Statistigue de la France: A nvuaire pour $C$ An 1858.)

CHARENTE RIVFIR. [CHABEMTR]
CHARENTE-INFERIEURE, a maritime department on the went cosst of France, is named from its geographical position on cach wide of the Lower Charente. It extends from $45^{\circ} 5^{\prime}$ to $10^{\circ} 19^{\prime}$ N. lat, from $0^{\circ} 7^{\prime} \mathrm{E}$. to $1^{*} 13^{\prime} \mathrm{W}$. long.; and is hounded N. by the departments of Vendée and Deux-Sdures, Jis by the departinent of Charento, S. hy that of Gironde, and W. hy the Bay of Bincay. The greatest lcugth of the department extends from north to south about 85 miles ; the breadth veries from 10 to 50 milea. The area is 2628 mquare miles, and the population according to the census of 1851 was 469,992 , which givos 178.84 to the square nile, being 4.12 above the averuge per equare mile for the whole of Erance.

The department comprises the old provinces of Ssintonge and Aunis, the latter forming the portion between the river Sevre and the mouth of the Charente. The Isle of IRS, which is separated from the mainland of the department of Vendée by tho channel called PertuisBretou; the Ile of Oleron, S. of Ile, and separted from it hy the Pertuis-d'Antioche; the Isle of Aix, N. of the embonchure of the Charente; and Iale-Madame, which commands the entrance to the Charente from the sonth, are included in this department.

The coast line of tho department, including the north-aatern shore of the Gironde, meanures 105 milem, and has soveral good harbours and well-sheltered roadsteads. The cusst is low, cousisting of salt mardies, partially separated from the sea by sand-hills liable to be flooded by every tide, and extending a considerahle way iuland. of these marshes however a very large extent has been converted into most producfive land; the sea being shut out hy means of dikes, and the surface of the marshes drained hy canals, in pretty uearly the wame way an the 'poldern' in Hollaud and Belgiun are draised. [Astwerp, Province of.] In thowe to which the sea still has access, a great quaxtity of excellent salt in made. The rest of the department is level and very fertile. The woil, which consists of a vegetable and mandy mould, resting in most places on chalk, affords excellent pasture for great numbers of cattle, heop, and horses ; abundant supplies of the farm produce inentioned in the preceding article; and a vast guantity of wine, in the growth of which Charente-Iufericure ranks second among the wine-growing departments of France. The climate is temperate and healthy, except in the low grounds along the coast, in which aguem and ferers provail in summer and autumn.

The department is drained by the Charente, one of the decpest rivers in France, the Boutonne, and the Seugne, deacribed in the preceding article [Charfintr]; hy the Gironde, which bordere it on the mouth-west [Grronde]; hy the Sivre-Niortaise In the north [DEUX-SEVRFs]; aud by the Seudre, which rining north of Jonzac flown north-west past Saujon, and enters the Lay of Bivcay opposite the Iale of Oleron, and a little north of the Passe de Maumunson. 'All theme are tide rivers and navigable, and together with the canal from La-Rochelle to the Sevre-Niertaise, and that from lirouage to Rochefort, afford great facilitien for intermal and external trade. The department is traversed by 0 royal and 16 departmental roads, besidew the inilitary rond from Saumur to La-Rochelle. A hranch railrond is projected from Poitiors on the Parin-Bordeanx line to the naval herbour of Rochefort.

The department contains $1,681,205$ acres, of which 812,025 acres are arahle ; 195,000 meanlow and panture ; 276,000 under vines; and 195,217 acres under wood and forests, in which the clestnut, onk, and resinous trees are the most common. Grain of all kinds is produced in quantity more than sufficient for the consumption. The annual produce of wine, as estimated by the government, is $52,668,000$ gallons, of which ahout onc-third is uend for home consumption; the romalnder is distilled into hrasdy or exportord. None of the winew of the department ane of high repute; the rod wiuen of the right hank of the Clarento rauk as thisd-close vina d'ondiuaire; the white wine grown on the left luank and in the enstern part of the arrondissement of La-Rochelle are converted into hrandy and sold an Cognac, but are greatly inferior to the Chempagnee de Cogat, mentioned in the article Cuasexire A large quantly of apples, plums, walnnte, perches, \&c. aro grown. Other articlew of produce are clover and flax foced, hemp,
saffron, garden beans, which are an article of export, wormwood, \&c. Great numbers of pigs are fittened ; pooltry is very abnndant ; hares, rabbits, and winged game are plentifnl; aquatic birds in countless numbers frequent the marshes along the coast; the pilchard and oyster fisheries are extensive and valuable.

The industrial activity of the department is considerable. Besides the distillation of hrandy, which is generally managed by the farmer on his own premises, and the mannfacture of salt, the following indnstrial products, thongh only of secondary importance, deserve mention : namely, woollen hosiery, shoe and glove leather, fine pottery, vinegar, hoops, oak-staves, and timher. In almost all the ports, but especially at La-Rochelle and Rochefort, ship-building is carried on. The commerce of the department consists in the products already named, and in colonial prodnce, butter, oil, bottles, wine-essks, liqnenrs, \&c. Ships are fitted out for foreign trade and for the cod fisheries; the coasting trade is active; about 600 fairs are held in the department yearly. Traces of iron and copper have been found, but no mines of any kind are worked.

The department is divided into six arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Le-Rochella | 7 | 35 | 82,293 |
| 2. Rochefort - | . 4 | 47 | 61,760 |
| 3. Marennes | 6 | 34 | 51,689 |
| 4. Salntes | 8 | 99 | 107,513 |
| 5. Jonzac | 7 | 120 | 83,706 |
| 6. 8t.-Jean - d'Angely | 7 | 126 | 83,031 |
| Total | 39 | 481 | 469,992 |

1. In the first srrondissement the chief town is La-Rochelle, the capital of the department and of the former province of Annis. It standz on the north side of a small inlet (which extends about two miles inland and terminates in a salt-marsh), in $46^{\circ} 9^{\prime} \mathrm{N} . \mathrm{lat}, 1^{\circ} 10^{\prime}$ W. long., 295 miles S.W. from Paris, and has 14,420 inhabitants, including the whole commune. By the marriage of Eleanor of Guienne and Poitou to Henry 11. the town came into the hands of the English kings, from whom it was taken by Lonis VIII. in 1224, again ceded to England by the treaty of Bretigny in 1360, but finally recovered for France by Bertrand du Ginesclin in 1372. The Huguenots held it from 1557 to October 28, 1623, when the garrison reduced by famine surrendered to Louis XIII., who demolished the fortifications. The present defences were erected by Vanban. The entrance to the inlet which forms the onter harbour is defended by forts. The inner harbour, round which the town is built, consists of two basins, both sarrounded by fine quays, and one of them is closed by floodgates, whereby ships are kept constantly afloat. The largest vessels can come up to Rochelle at high water. The town, which is entered by 7 gates, is well built with broad straight streets and houses adorned with porticoes. The finest square is the Place-du-Chateau, three sides of which are planted and serve for promenades. Outside the walls there are two other extensive walking-grounds, called the Du-Mail and Champ-de-Mars, The chief buildings are the cathedral, the town-house, the exchange, the tower called Porte-de-l'Hurloge, the marine baths, and the puhlic library, which contains 18,000 volumes, The exports consist of the produce of the department; the imports chiefly of colonial produce. The town is the seat of a bishop, has trihunals of first instance and of commerce, a college, mint, school of natigation, besides numerons glass-works, sugar-retineries, potteries, ship-huilding yards, and cotton-yarn factories. Vessels are fitted ont here for the Newfoundland fisheries. Marans, which is sitnated in a district recovered from the sea, near the conflnence of the Vendée and Sévre-Niortaise, has a tide harbour which admits vessels of 100 tons np to the quays, while larger vessels load or unload in a safe roadstead near the mouth of the Sirve. A canal recently cut admits vensels of 300 tons quite $n p$ to the town. The town is well built, has 4713 inhabitants, and a very inportant export trade in corn. It has also large timber-yards and salt-stores, and a good commerce in clover and oleaginous seeds, brandy, flax, hemp, flour, hoops, staves, dc. Conercon and La-Jarrie are small towns with rather more than 1000 inhabitants each.
To this arrondissement belongs also the Isle of Re, which at its sontheastern extremity approaches within $2 \frac{1}{2}$ miles of the mainland; on its northern extremity there is a lighthouse called Tour-desBaleines, and marking the entrance to the Pertuis-Breton. The isle is 17 miles long; in some places 5 miles, in others only 1 mile wide. It has aeither gram, nor spring, nor tree; but'vines flourish on it, and a great deal of brandy is mado; salt also is mnnufactured and exported from the numerons harbours of the isle. Filtered sea-water in used for drink. The isle is defended by four forts, and has about 16,000 inhabitants, who are chiefly engaged in fishing and making salt. The chief towns are-Argen-RE, on the west cosst, which has a maall harbour and 3668 inbabitants; St.-Martin-en-Re, on the east const, which is fortified, has a tribunal of commerce, and a population of 2517 ; and Lar-Plotte, which has a harbour for vessels of 300 tons and 2422 inhabitanta.
2. In the second arrondiseement the chief town is Rochefort-sur-Mer,
situated partly on a hill and partly on a marsh, on the right bank of the Charente, and 9 miles from its month, in $45^{\circ} 56^{\prime} 89^{\prime \prime} \mathrm{N}$. lat. $0^{\circ} 58^{\prime} \mathrm{W}$. long. : population above 20,000 . The approach to the town is defended by forts all along the banks of the river. The streets of the town are broad, regularly built, and several of them planted with double rows of acacias and poplars; the houses are low. The finest buildings are-the marine hospital, which stands on a height outside the town, the residence of the port admiral, the bagnio, the civil and military hospital, and more especially the arsenal and naval artillery school, in connection with which are dock-yards, rope-walks, and other establishments for manufacturing everything necessary to the eompletion of the largest men-of-war, fast sailing-vessels, and steamers. Other remarkable objects are the large saw-mills, the water-works for cleansing the harbour, the theatre, \&c. The naval harbour, which ranks as the third harbour of its kind in France, has a depth of 22 feet at low water, and 40 feet at full tide. In the part of the harbour allotted to merchantmen, ships of 900 tons can enter at all times. The town is the seat of a maritime prefect, has tribunals of first instance and of commerce, a college, schools of hydrography and of naval medicine, several sugar refineries and vinegar works, and a large trade in colonial produce and the staple products of the department. It is surrounded by ramparts which are planted with trees, The importance of Rochefort dates from 1666, when it was made a naval station by Louis XIV. Tonnay-Charentes 10 miles E. from Rochefort, on the right bank of the Charente, has a safe harbour, into which vessels of 600 tons can enter; and a population of 3435 , who carry on a brisk trade in the products of the country, colonial produce, coal, deals, oak-staves, oil, bricks, \&c. The other towns are Surgeres, which has a population of 2153 , and Aigrefeuille: population, 1688.
The Isle of Aix, which belongs to the arrondissement of Rochefort, is about half a mile long and a quarter of a mile wide. It is fertile, has a population of about 500 , and is very importaut on account of its position and fortifications, which command the approach to Rochefort from the Pertuis-d'Antioche. Here Napoleon went on board an English line-of-battle-ship, July 15, 1815. Isle-Madame, which is sitnated close to the mouth of the Charente, and is still smaller than the Isle of Aix, is also strongly fortified.
3. In the third arrondissement the chief town is Marennes, sitrated on the northern side of the embouchure of the Seudre, on which there is a harbour about half a mile from the town. It is a well-buile place, has tribunals of first instance and of commerce, and 4469 inhabitants, who carry on a brisk trade in the produce of the country, and in salt made in the marshes near the town, which are a source of great profit, but very insalubrioss. Royan, a watering-place on the north shore of the Gironde, has a lighthouse, and 2957 inhabitants; there is regular steam-communication between this place and Bordeaux. La-Tremblade, on the south side of the emhouchure of the Seudre, has a small harbour, and a population of 2551. Brouage, a fortress and sea-port, a few miles N. of Marennes, and on the navigable canal of Brouage before mentioned, is now almost deserted on account of the nnhealthiness of the site.
The Iste of Oleron (the ancient Uliarus), which lies off the coast, between the mouths of the Charente and the Soudre, is included in the arrondissement of Marennes. Its southern point is separated from the mainland by the Passe-de-Maumusson, a strait about $2 \frac{1}{2}$ miles wide, commanded by a fort. The length of the island is about 19 miles, its greatest breadth 5 miles. The isle is traversed in its whole length by a road which terminates at the north-west extremity, near the Chassiron lighthouse, at the entrance of the Pertuis-d'Autioche. It is very fertile, yielding all the products mentioned in this article, and has a population of 16,000 . The western coast is bold, and witt out harbonrs. On the south-east of the isle, opposite Brouage, is the town of Oleron or Chateau-d' Olerom, which has a harbour, distilleries, rope-walks, ship-building yards, and 3135 inhabitants. St.-Pierre, which stands near the centre of the island, has a tribunal of commerce, and a population of 4769 .
4. In the fourth arrondissement the chief town is Saintes, the capital of the former province of Saintonge, which stands on a hill ahove the left bank of the Charente, 43 miles S.E. from Rochelle, in $45^{\circ} 44^{\prime} 40^{\prime \prime} \mathrm{N}$. lat., $0^{\circ} 38^{\prime} \mathrm{W}$. long., and has 10,000 inhabitants. The appearance of the town from whatever side it is approached is very picturesque; but the interior consists of crooked streets, and generally ill-built houses The former cathedral, the churcbes of St.Entrope and Sainte-Marie-des-Dames, are tho most remarkable buildings. The town is the sent of the court of assize for the department, of tribunals of first instance and of commerce, and possesses a college, public library, theatre, cabinets of natural history, antiquities, and natural philosophy. The departmental nursery is close to the town. Woollens, hosiery, pottery, shoe and glove leather, and winecaske are the chief indnstrial prodncts ; there is also a good trade in corn, brandy, timber, wool, \&c. Saintes is the Roman Mediolanum; in the time of Ausonius it was called Santones, from the people whose capital it was, and hence the modern name. Of ancient remains the most interesting are the Roman baths, amphitheatre, and a triumphal arch which bears inscriptions dedicatory to Germanicus, Tiberius, and Drusus. Roman therme were discovered iu 1851 in this town, with the wall-paintings in parts still fresh and perfect. Pons, 14
milee from Sainten, beautifully sitnated on the lor bank of the Sougue, has an eoclevinstionl school, and 4543 inhabitants; in the cwatre of the town are the ruins of the ancient castle of the lords of Poon, is square tower of which, 105 foet high, in mifed an a privon. Soujon, It miles IV. from Saintes, rtanda on the Seudre, which hero legias to bo mavigable, and han $225 \%$ lulabitanta Gemasac, W. of Pows han a propulatiou of 2610 . Burie, SL.J'orchairs, and Cozos, have each a population under $\mathbf{2 0 0 0}$. Near the luth, which in on the rowd from simintes to lochefort, is the largent oak in Fruce, calculated to be tho growth of at least 2000 years.
5. In the finh arrondimement the principal town is Jonsac, which stande on the trougue, is defended by a stroug castle, and has a tribunal of first instance and 2569 inhabitants. The other towns aro-Minamberw, which has $=$ fine castle, a clurch built by the Finglish, and 2ssi inhabilauta ; Archiac, St.-Genis, Montendre, Mont gnyon, aud Montlieu, the population of each of which does not exceed 1500 .
6. In the sixth armondimement the chief town is St.Jeand Angely, 20 miles F. from liochefort, on the right bank of the Bontoune, which here begins to be narigable for small craft. It is irregularly built; but the usage common to this part of Aunis of whitewashing the honsee every jeer gives it a clean, gay look. The town has trihnnals of first instance and of commerce, a cellege, and a population of 6107 . The corn market-house, the former abbey of St.-Jean, publio bathe, and gnnpowder-mills are the most remarkable objects in the town. Brandy, wine, seeds, timber, \&c., are the chicf articles of commerce. St-Sarinien, on the right bank of the Charente, has 3507 inhabitants. Aulnay, St.-Hilaire, Tonnay-Bontonne, and Matha have each lees than 2000 inhahitanta.
The department forms the eee of the Bishop of La-Rochelle. It is included in the jurisdiction of the High Conrt of Poitiers, and belongs to the 1 th M Military Division, of which Bordeans is the headquarters.
(Dictionnaire de la France; Stalistigue de la France; Annwaire pour TA× 1853.)
CHARENTON. [SEINE.]
Charing. [Kext.]
CHABITE, LA. [NiEvRE]
CHARKOFF, or CHARKOW; a province of Southern Russia; formerly called Slobodek-Ukraine. The territory camo into the possession of the Czars about the beginning of the 17 th centnry, and being almost uninhahited in 1651 , the cmperor Alexei Michaelowich allowed the Cosmak of the Western Ukraine to settle in it, nnd to enjoy the privileges guaranteed to them by Stephen Bathory, king of l'uland. They then founded five largo villages, or 'slobodds;' and from this circumstance the name of Slobodsk was derived.
The province of Charkoff is bounded N. by linrsk, E. by the country of the Don Cosaake, S. hy Ekaterinuelaf, and W. hy Poltava It contaius 20,846 square miles, with a population of $1,467,400$. The conntry is generally lat and the soil very fertile, yielding abont $4,000,000$ quarters of corn of all kinds, one fourth of which is exported. Flax, hemp, toheceo, hopm, and polatoes are grown. Cattle are excellent, and bees very abundant. The indnstrial estahlishments inclnde numerous distilleriea, some tan-yarda, saltpetre-works, and salgans, or tallow-melting honses. The ferests in this province belong chiefly to tho crown, and cover about 2000 square miles. Game is scarce, hat the forests abound in wol res and fores.
The popnlation consists of Malo-Russiaus, Cossaks, Grent Rnssiaus, German colonista, converted Calmucks, Jews, and Gipsios. Besides the military popnlation of the Cossaks there are five colonised regiments of cavalry. The chief occupation of the inhabitants is agricnlture. The ronds are bed and the rivers not navigable. The Sicrernoi-Donecz is the priacipal river, which after recciving the Oskel in the neighbonrhood of Izyum falls into the Don. The other rivers are the Vorskla and the lwiol, both falling into the Dnieper, the former of which belongs to the southern districts and the latter to the northern.
The capital towu, Cmakiorr, in noticed in a separate article. The other towns are:-Akhyyla, in the west of the prorince, near the Vorklh, which has 8 churchen and 13,000 inhabitauta : Sumy, in the north, on the right bank of the Psiol, famons for its traffic in horses, population 12,000: Wulki, S.W. of Charkoff, on the road to Poltawa, with 10,000 inhabitants : Tchugujec, S.F. of Cbarkoff, on the SievernoiDonecr, which ls the head-quarters of a Cosakak regiment, and has 10,000 inhahitanta : Belopol, or Bielopalje, N.W. of Sumy, on a feeder of the Iesna, population 10,000: Lebedjan, or Lebedine, S.S.W. of Sumy, with 9000 inhabitanta: Bogoduchuve, N.W. of Charkoff, popuLation 8300 : Miropolje, population 6800 : Siramokuezk, W. of Chnrkoff, on the right lank of the Merlo, with 5000 inhabltanta : and Smijew, or Z mieve, on the Sievernoi-Ionecz, population 8000 . Many of these towns aro fortibed, and noarly all of them, even including the puhlic builclingh, are constructed of wood.

CILABKOFF, or CIIAKKOW (pronounced Kharkom), town in Southern Rumis, $\ln 40^{\circ} 59^{\circ} \mathrm{N}$. Hat, and about $33^{\circ} 20^{\prime}$ F. long. betweer two amall rivern, the Charkowa and the Lopan, which fall ints the Douecz, one of the largest tributarien of the Don. Charkoff in the eapital of the province of Charkoff, and may be consldered an being plinced on the boundaryolino between tho fertile country which
oxtends over the centre of Rusin, and the large deserts known under the name of steppes which occupy the southern districts of the empire. Thin town consists of numerous uarrow winding streets of wooden houses: It contains about 18,000 iulahitante. Charkoff has been chosen by the lBussian government an the centre of instructlou for the wouthern prorincea. The university, erected in 1803, has connected with it a botanic garden, a colloction of natural objects, nn observatory, and a library of 21,000 volumes. Thero is also a seminary for elergymen, a military acmiemy for forty children of poor ueblemon a grammar school, and an institute of education for young ladies, with some other schools. Charkoff is a place of considerable trade; the mannfactures iscludo articles of Consak clothing, excellent carpots, felt cloaks, soap, candles, and leather. Four great fairs are held in the conrse of the year; of these one is for wool ; at the others rast quantities of manufactured goods are sold. The fair held in May gencrally lasts for about two weoks. Many merchants from the interior of Runaia frequent the fairs of Charkoif:

## CHARLBURY, [OXFORDSIRRE]

CHARLEMONT, A frontier fortreen of France, is so united with the adjacent town of Givet on the opposite side of the river Meuso as to form one town, which under the name Gived will he found noticed in the article Arnesses.

CHARLEROI, or CHARLEROY, a town in the province of Hainault, in Belginm, situated on the banks of the Sambre, 20 miles E.S.E. from Mons, and 33 miles S. from Brussels, in $50^{\circ} 23^{\prime}$ N. lat., and $4^{\circ} 25^{\prime} \mathrm{E}$. long. : the popnlation of the town is 6150 . This town with the whole of Hainault, was united to the French repnblic, and formed part of the department of Jemmapes. In 1814 it became part of the kingdom of the Unitod Netherlands; and in 1815, during the hnndred days, it being in possession of the Prussians, they were attacked hy Napoleon, aud driven from it a few daya before the battle of Waterloo. Since the gencral peace the fortifications have been greatly improred.

Charleroi is hnilt in the form of am amphitheatre, on the side of a steep hill which rises from the banks of the Sarohrc. The town contains glass-honses, tanneries, dye-houses, rope-walke, salt and sugar refineries, and factories for spinning wool. But the principal sonrces of prosperity are the coal-mines and iron-furnaces in the district. About 90 coal-pits, 70 high furnaces, and 50 iron-foundries are in and near the town. The iron-works are so near together that the whole are visihle from one spot. In the town and neighbourhood about 6000 persons are said to he cmployed in uail-makiug.

Charleroi is connected by railway with most of the principal towns of Belgium; the high roads from Brussels, Mons, and Namnr meet at Charleroi. The Brussels and Charleroi Canal affords great facilities of water communication.

CHARLESTON, the principal port and largest city in the state of South Carolina, is eituated in the county of Charleston, upon a narrow tongue of land formed by the conflnence of the rivers Ashley and Cooper, in $32^{\circ} 46^{\prime} 33^{\prime \prime} \mathrm{N}$. lat., $79^{\circ} 57^{\prime} 27^{\prime \prime}$ W. long. The population of the eity in 1840 was 29,261 ; in 1850 it was 42,985 , exclusive of the suburh of St. Philip, which contains abont 16,000 inhahitants. The city is divided iuto four wards, and is governed by a mayor and 12 aldermen. Charleston harbour, which is spacious and convenient, is formed hy the astuary of the two rivers, and protected from the Atlantic by Snllivan's Island on the north, and Folly Island on the sonth. The entrance, which is hetween these islands, is obstructed by a range of aand-banke, which make three channels hy which vessels drawing 10 fect of water may enter the port, hnt the passage is rendered difficult and nucertain hy the tides and the shifting of the sands. The city is protected by Fort Monltrie, on Sullivan's Islaud, Castle Piuckney two miles, and Fort Jolnson about feur miles below the city.

Charlestou was fonnded in 10S0, 17 years after the grauting of the colony hy Charles II. to the Enrl of Clarendon. There had indeed been a settlement formed on the site in 1652, nud another named Oyster Point Town in 167 , hut both were scon abandeued. For rather more than a century Charleston wns the capital of the provinec, Columhin, now the seat of government, not laving been founded uutil 1787. The site on which the city is hnilt is low, nud far from healthy. The city is regularly laid ont in prrallel streete cxtending between the two rivers and crossed by other streets at right angles. The houses are for the 1 oost part of brick, spacions and lofty, and furnished with halconics and verandabs, in order to protect the interior from the sun. The strects are gencrally narrow, ranging from 35 to 70 feet in width, and unpared, and the soil being sandy; considerable nnooyance is experienced in windy weather from dust and sand. To shelter the passengers from the sun, rows of a tree called the 'pride of India' sare planted on each side of the streets; this tree doces not grow to any considerable height, but its branches are spreading and its folinge thick, and it powsesscs the further advautage of not harbonring iusects.

The town centains a city-hall, exclange, custom-bouse, district courthouse, guardhouses, theatre, orphan-house, hospital, almsbouse, two arsenals, two inarkoth, a college, nearly 40 places of public worahip, several ligh-schools, an orphan asylun, and other huildings devoted to benevolent purposea. There are hesides an academy of fine arts, a literary and philosophical socioty, and a city library con-
taining about 24,000 volumes. There are several banks and assurance companies. Four daily and four weekly newspapers are published in the city. Charleston possesses one of the finest floating dry docks in the United States. The yellow fever has made frequent ravages in Charleston, but its effecta have been chiefly confined to strangers, and especially those from more northern climates. The place is not considered unhealthy by natives.

Charleston is a place of very considerable trade. Nearly all the cotton and rice exported from the state are shipped from this port. The amount of registered and licensed tonnage belonging to the port in 1850 was 33,293 tons, of which 17,916 tons were employed in the coasting trade. In the year ending 30th June, 1850, the vessels that entered and left the port in the prosecution of foreign trade wereinwards 303 of 96,619 tons; outwards 351 of 121,367 tons; but the main trade as explained under Caronina, Socth, is carried on coastwise with New York, wheace the staple commodities of South Carolina are shipped to foreign countries. For carrying on this trade with New York there are several well provided lines of steam-ships and sailing vessels. Regular lines of packets also sail between Charleston and Boston, Philadelphia, Baltimore, Providence, New Orleans, Wilraington, and Savannah. The cotton received in Charlestou from the interior in 1850 amounted to 400,714 bales, and of seaisland to 17,994 bales, of which 365,327 bales of upland, and 16,437 bales of sea-island were exported. The receipts of rice in the same year amounted to 147,690 barrels, and the exports to 134,417 barrels. Cotton and rice are now the staple exports; the former staple exports of Charleston, staves, lumber, furs, peltries, indigo, and tobacco being of very inferior importance. The inland communication of the city is facilitated by the Santee Canal which connects the port with the Santee River. But a far more important auxiliary has been the systera of railways carried out in South Carolina, by which the city is placed in close connection with most of the more fertile districts of the state; and when the railways now in course of construction are completed Charlcston will have access both to the Mississippi and the Ohio.

The Charleston College was chartered in 1785 ; it is now one of the most flourishing institutions of the kind in the southern states: ln 1850 it had 6 professors and 70 students. The college buildingsare commodious It possesses a good philosophical apparatus, and a library of 2000 volumes. The Medical College, which was established in 1833 is empowered to confer medical degrees: in 1850 it had 8 professors and 150 students. Tho building is a handsome edifice, for which the city council of Charleston appropriated 15,000 dollars. The other public schools aro a high-school founded in 1839, which averages from 130 to 150 pupils, and free schools with about 400 scholars.

CHARLESTOWN. [Aberdeexshire; Fifeshare; MassacuesETTS.]

## CHARLEVILLE. [ARDEsses.]

CHARLOTTE TOWN. [Prince Edward's Island.]
CHARLOTTENBURG. [Brandenberg.]
CHARLOTTESVILLE. [Vimginta.]
CHARLY. [AIsNE.]
CHAROLLAIS, a district of Bourgogne, named from its chief town Charolles, gave during their father's lifetime the title of count to Philippe le Bon and Charles le Téméraire, the two last of the great feudal dukes of Bourgogne. It is now included in the department of SaOne-et-Loire, except a small part west of the Loire, which is in the department of Allier. The Canal du Centre which connects the Loire with the Saone, is sometimes called the Charollais Canal.

## CHAROLLES. [SAÔNE-ET-LOIRE.]

CHARTRAIN, a district in Franco comprising the territory about Chartres, formed part of the more extensive district of La-Beauce. It takes its name immediately from its capital, Chartres, but originally from tho Celtic tribe Carnutes, by whom, at the time of the Roman invasion, it was peopled. This nation is mentioned by Livy among the tribes which invaded Italy in the time of Tarquinius Priscus. In the time of Cassar they extended from the Seine to the country south of the Loire; their chief towns were Genabum (Orleans), Autricum (Chartres), and Durocassis (Dreux). The district of Chartrain is now included in the department of Eure-et-Loir.

CHARTRES, a city in France, capital formerly of La-Beauce, now of the department of Eure-et-Loir, the seat of tribunals of first instance and of commerce, of a communal college and diocesan seminary, stands on the slope and at the foot of a hill above the Eure (a feeder of the Seine), 55 miles by railway S.W. from Paris, in $48^{\circ} 26^{\prime} 24^{\prime \prime}$ N. lat., and $1^{\circ} 29^{\prime} 53^{\prime \prime}$ E. long.; and has a population of 16,680 , including the whole commune.
Chartres is a very ancient city. Under the Roman dominion it was called Autricum (from Autura the ancient name of the Eure), but in the 4 th century this name was replaced by that of the people, the Carnutes [CaARTRAIN], in whose territory it was. The only remains of Joman antiqnity are some subterrauenn aqueducts and passages. The town is supposed to have been a great centre of Druidical worship; to Druidism succeeded the worship of the gods of the Capitol, and these gave place to Christianity about the end of the 4 th century A.D. On the downfall of the Roman empire it prssed into the hands of the Frankish kings. About A.d. 600 Thierry Il., king of Orléans and Bourgogne, besieged the town, which
was well fortified, and succeeded in taking it by making a breach in the aqueduct and depriving the inhabitants of water. In 858 it was pillaged and burnt by the Northmen; when re-built it was soon after takeu again by them under their famous leader Hastings, but given up on the townsmen and the bishop agreeing to pay a certain sum as a rausom. Their neglect to pay this tribute caused auother siege and capture of the town iu 872 . In 911 the towusmen successfully resisted the attacks of the famous Rollo, the first duke of Normandie.
In the middle ages Chartres was the capital of a county which was in the 10th ceutury united with that of Blois and Tours. Towards the end of the 11 th century the city was surrounded by ramparts which still remain. The ramparts were pierced by seven gate-entrances, one of which (Porte Guillaume) still retains its warlike appearance, being flanked by two massive towers united by a curtain, and crowned by a projecting gallery with parapets and machicolations.
In the bloody feuds between the Bourguiguons and Armagnacs Chartres was taken by the former, and passed under the dominion of the English, who hold it till 1432, when it was recovered from them by surprise by Dunois. In 1591 it was taken by Henri IV., who was consecrated in the cathedral three years afterwards. The county of Chartres when bestowed on the Duchess of Ferrara was erected into a duchy; it subsequently came by marriage to the dukes of Nemours, by whom it was resigned to the crown. Louis XIII. bestowed it upon his brother Gaston, duke of Orleans; upon his death Louis X1V. gave it to his brother Philippe, duke of Orleans, from whom the duchy was inherited up to the period of the first French revolution by his lineal descendants. The eldest son of Louis Philippe bore the title of Duke of Chartres at the time of his father's accession to the throne.

The city of Chartres is situated on the brow of a hill, at the foot of which is the river Eure, which flows here in two channels-one within and the other without the ramparts, which are surrounded by a circuit of public walks. Chartres is divided into the upper and lower towns: the upper has some tolerably commodious streets, and contains the principal public edifices; the lower town is ill built and ill laid out; the streets which unite the two are so steep as to be almost inaccessible to carriages. Everything about the place has an air of antiquity: the houses are for the most part old and built of wooden planks; many of them have the gable towards the street and the doorvay in the form of a pointed arch, with gothic ornaments. The suburb of Bourgneuf by which the road from Paris enters the town is long and straggling, and consists of cottages with their gables towards the street. There are in Chartres four squares: one in the lower town, that of St.-Picrre, burdered with two rows of trees, and adjacent to the ancient gothic church, from which it takes its name; two in the upper town, namely, the corn-market and the herb-market; and one, the handsomest of all, called La Place des Barricades, outside the walls. The herb-market is adorued by an obelisk erected in memory of General Marceau. The Eure below the town drives a great number of mills.
The finest edifice in Chartres is the gothic cathedral of Notre Dame, which is one of the largest churches in France, and one of the most vast and imposing structures of the middle ages. It was commenced about 1020 by Bishop Fulbert, but dedicated only in 1260 when still unfinished, one of the spires uot having been erected till the 16 th century. The principal front, which is 164 feet in breadth, presents two square towers surmounted by two lofty octagonal pyramids, and separated by an iuterval of 55 feet. The old spire, which rises to the height of 374 feet, is of plain architecture, but cased with stone curiously carved like the scales of a fish, and appears to lean towards the spectator on whatever side he stands. The new spire is 413 feet high, built in the florid style, and so much admired as to have become proverbial for its beauty. The lower story of the façade, which is approached by five stone steps, has a triple portal with pointed arches, and adormed with statues, Above the doorways are three arched windows with stained glass, and still higher a superb roso window. The entrances on the north and south sides are also approached by Gights of stone steps; that on the south has 17 steps, on the extremities of which are columas and statues. In each of these fronts are triple projecting porticoes with deep doorways between them; over these are uiches for statues and a series of five windows, with a circular window above as before. The interior of the church is admirable for the justness of its proportions; it is richly decorated and dimly lighted through above 130 painted glass windows, most of which date from the 13th century, and are so charged with colour as scarcely to allow light enough to penetrate the building to cnable persons to read. Among many decorations of the interior must be named the screen that separates the choir from its aisles, the tracery work on which has been compared to 'point-lace in stone.' The choir is beautiful it is adorned with statues and bas-reliefs of various merit: the Descent from the Cross, a bas-relief by Bridan, is a chef-d'cuvre; and the Prc sentation of our Saviour in the Temple, by the rame sculptor, is much admired. There is a noble group behind the high altar of the Assumption of the Virgin, also by Bridan. The inner dimensions of the cathedral are as follows :-entire length, 436 feet, breadth, $111 \frac{1}{2}$ feet length of transepts, 213 feet, breadth, 39 feet; nave, 246 feet in length; height to the keystone of the vault, 115 feet. The aisles are 22 fept wide and 52 feet high. There are double aisles round the
cheir, and the circult of the ohurch may bo made by a gallery formed in the walle above the grent windows of the nave and choir. Under the cathoiral is subterranean church, the decoent to which lo by five differont rinircasea. The cathedral was covered with a invtal roof his 1541. she old roof having been deatroged by fire in 1536 .

Other remarkable buidings are the church of St.-5are and that of St-Andro, whlch wan not long sgo userl as storehouse; the berrecks; the public library, which coutains 40,000 volumes; the general hospital; and the resirlence of the prefect. The town gives title to a bishop; and has a flue botanical ganden.

Chateres has the best regulated corn-market in France. The mes aring and melling the grain, and receiving payment for it, is managed by $n$ corportion of women, who in en hour, at mont, effect all the transetions of the merket, often comprining the male of 6000 quintuls of wheat, benides what is sold by eamplo and delivered at the stores The town has also an important inarket for wool. Some woollen goods and homiery aro manuficturel; good quantity of leather in inade, and there an several dyohouses. The railway from Parin lo Brest passes throngh Chartres.
(Didionnaire de la France: Balbl, Geographie: Anntaire gour VAn 1853.)

CHARTIREUSE [ISERE]
CHATFAU.ClIINON. [NHERE.]
CHÎTRFAU.DOLEHOS. [CHARESTB-INTERIEL゚RE]
CHATEAUGONTIER. [MAYENNE]
CliATEAU-PONSAT. [VIENse, HAUTE]
CllÃTEAU.RENARD. [BoUcaEs-dU-RaÓsz]
CHATTEAU-THIERRRY. [A15sz]
CHÂTEAUBRIAND. [LoIRE-INsfRIECRE]
CHÂTEAUDUN. [EURE-ET-LORR]
CllATEAULIN. [Finistène.]
CIIATEAUROUX, capital of tho departroent of Indre, in France, stands in $46^{\circ} 48^{\circ} 50^{\circ} \mathrm{N}$. lat, $1^{\circ} 41^{\prime} 51^{\prime \prime} \mathrm{E}$. long., on a rising ground in a vast plain near the left bank of the Indre, 165 miles S . from Paris by milway through Orleans and Vicran, and bas $14,2 \% 6$ inhabitants, including the wholo commune. The town, which wra formerly ill built and dirty, has been within the last tweuty yeara grostly improved. The streets are now straight, wide, and well pared; and thore are seversl spacions equares. The principal buildinge nre-the old castle (built in 950 by a Frank chief, Raoul le Large), which gave origin and name to the town, and part of which now serves for gorernment offices, tho towa-honse, the theatre, the church of the Corteliers, and the residence of the prefect, which adjoins the old castle. Chateauroux is one of the principal seats of cloth maunfacture in the centre of Vramce; its cloths are manufictured from excelleut wool, but are more remarkable for atrangth than for fineness. Cotton hoaiery, wornted, tiles, paper, and leather are also manufacturea; and there is a good trade in corm, iron, wool, cattle, shoep, \&c. The town has tribunals of first instanco and of commerce, a college, and a consultative chamber of manufactnres. (Dictionnaire de la France; Macyregor, Stativics; A nmuaire pour $I$ An 1853.)

CHATELLERAULT. [ViENNR]
CHATHAM, Kent, a market-town and parliamentary borough, in the hundred of Chathan and Gillingham and lathe of Arlesford, stands on the right bank of the river Medway, in $51^{\circ} 23^{\mathrm{N}}$. lat., $0^{\circ} 31^{\prime}$ E. long., 24 milea W.N.W. from Canterbury, 30 miles E.S.E. from London by road. The Strood station of the North Kent railway, which is two miles from Chatham, is 31 miles from London. In 1851 the population of the parlinmentary borongh of Chatham was 28,424. Tho borough returns one member to the Imperial Parliament; it is governed by a head constable nuder the magistrates of Jochester. The living of Chatham in a perpetual curacy in the archdeacunry and dioceso of Rocheater.
The town of Chatham includes Brompton, 2 villago connected with the dockjard and naval and military eatablishments. The llighstreet in Chatham, about $1 \nmid$ niles in length, is narrow; and a considerable pertion of the town itself is irregular and ill-built. Many of the bouses are constructed of timber, probnbly from the facility of purchaing refuse wood from the dockyard in former times. Ths water anpply is chiefly obtnined by wells and punps from the upper chalk formatlon: the welle vary in depth from 18 to 120 feet; five of the pumpn are public.

From variou discoverien made In erecting the fortifleations which inclom the naval mud military cotablishments at Chathan it soems probable that the Homans had a cemetery here. Seversl ancient graven and other excavationn have been opened, and Roman bricka, thea, coins, and weapron found. The name of the town in Snxon, nnd whe written Ceteham or Caettham, which appears to nignify 'the Fillage of cottagea' It continued an lnrignificant place until the formation of the dockyard, to whleh the town owes it origin.

The parish charch was almont entirely rebuilt in 1788. St. John's church whe erected In 1821 by the onmaniasionern for building new churchen. There ar chapels for Wealeran Methorlinth, Baptiste, Indepondenta, Bible Christians, Irvlogitn, Swerdenborgians, and Unitariadn; two National schoole, Eritinh achool, Mropriotary school, a llagged school, and a mechanles inatitution. An hospital for lopere wan eetablinhed ln Chetbme by Bishop Gundulph In the reign of Willinm the Conqueror. The only portion of the building now
exioting io a manall chapel ; the revennes of the catate are in the hauds of the Dean of Rochenter. In the llighontreet in an bomital for ten docaged mariners and mblpwrlghen, which wns founded by Sir John Hawkins in 1659, and Incorpornted by Queen I:lizabeth in 1594. A suilitary lunatio anylum provicles accommodation for 30 officem and 100 privaten. There wro seversl minor clanitien.

The extensire naval and military establishments are at Brompton, - littlo distanco from the town, and eatirely soparsted from it by A line of fortificationa. The dockgand wam founded by Queen Elizabeth, previoun to the invaslon of the Armadn, on the site of what is now termod the Ordunice Wharf, and occasionally the Old Dock. It was removed to its procent aituation in 1622 , the demands of the navj requiring increased accommotation. IJlizaboth arected Upuor Cantle, on the opposite nide of the Modway, for the purpone of defending the docksand and shipping. But this fort proved inef. foetual for prowaction from the atteinpt of the Dutel, under De luyter, who in 1667 having taken Sheernoss, disputched lis viceadmiral, Van Ghent, with 17 sail of light ships and 8 firo ships to destroy Chatham. He succeeded in breaking a chain stretched across the Mledway, and in spite of the fire from the castle burnt and aunk some ships. Fiading the country alarmed, he retired, carrying off a ship of war uamed the Roynl Charles. This ovent was the causo of additional and stronger fortifications leing erected. The dockyard was subsequently considerably eularged.

From the year 1757 down to 1805 , new bnildings were erected, and the extensive area occupied by the different establishments was inclosed by astrong line of fortifications on the land side, aul protected on the river side by atrengthening Upnor Castle, by the erection of a martello tower called Gillinghmm Fort on the Chatham side, and other defeuces. Upanr Castle is at present mercly a powdor magazina.

The naval and military establishments now comprise the dookyard, acarly a mile in length, which has four wet docks capable of receiring vessels of the largest size, and nine building-alips, of which six are for first-rates; metal mills; an extensive arsenal; barracks on a large acale for artillery and engineers, infantry and rojal marines; a park of artillery; magazinos and store-houses; besides a handsomo dockchapel, and a number of linbitations for the civiliaus who are employed. The principal mast-house is 240 feet long by 120 feet wide. The rope-house is 1128 feot in lcugth, and 47! feet wide: in it cables 101 fathoms in length and 25 inches in circumforence are made. The sail-loft is 210 feot in length. The machinery used in all the departmeats is of the very best kind. A daplicato of Brunel's block-making machine is kept liere, ready for use in case the anachine at Portsmouth should get ont of order. The engineer barracks are built in a plain and simple atyle, and are extenaive and convenicut. Near the dockyard gate is a largo naval hospital, which was erectod at the suggestion of William IV. When lord high admiral.

After the fire at Devonport dockyarl in 1840, which was greatly extended owing to the tarred wooden and paper roofs which coverod the building-slipns, the admiralty began graduall 5 to replace such roufs with others made of metal. Nearly all the slips at Chathmm have been recently either rebuilt or streugthenod and repaired. T'he unetal mills are more extensive than at any other of the dockyards. In 1848 the metal mills produced 700 tons of sheet copper, 400 tons of bolt copper, and 800 tons of remanufactured iron per annum. All the old copper sheeting frou the various dockyards is re melted here in to sheets.

There are saw-mills at Woolwich, Chatham, and Sheerness; but those at Chatham are the most complete. The Chatham mills could indeed, it in said, cut timber enough for most of the jards. It is merely straight cutting: the uachinery cmployed is not fitted for cutting the curved pieces required in a ahip, which are still cut by hand.

There is an establishment at Chathum, founded in 1812, for the instruction of officers and privates of the engincer brauch of the army. Men belonging to the Engineers, and to the Sappers and Miners, are here instructed in all that relates to fortification, garrison operations, and field service. Young men intender for oflicers in the engineering corps, after preliminnry trainiug at Acldiscombe or Woolwich, receive the practical part of their professional education at the Clantham institution.

The 'Chest' at Chatham was catahlished in the reign of Elizabeth, and was originally a voluntary contribution from the mouthly wages of scamen for the support of their maimed aud suporanumated bretliren, but whlch noou settled into a compulsory payment. On the reommendation of the Commissioners of Ninval luquiry, it was, by the 43 George 111. c. 119, remored to Greenwich. Invtend of a monthly payment from the wayes of seamen tho amount ls now charged annually on the consolidnted fund.

At lochester Bridge tho Medway, which discharges into the same rostuary with the Thames, Is a large tidal river. The rise is 18 feet at apring and 12 feet at ueap tidee at Chatham. Abore llochester the ligh lands appronch each bank of the river, forming a kind of amplitheatre about Chathan and Rochester on the oast side, sud alno on the weat, closing on tho river at Upnor Castle. Below Chathann dockyarda the ligh lande decline, first on the right and thon on the left bnak, forming a flat warshy country to the spacious outlot of the Medway at Sheerneas.
(Hasterl, fient; Douglas, Nenia Britannicu: Pepys, Diary; Commenication from Chatham.)

CHATHAM ISLANDS are a group of islands situated in the Pacific, east of New Zealand, between $43^{\circ} 40$ and $45^{\circ} 20^{\prime}$ S. lat., $176^{\circ}$ and $177^{\circ} 20^{\prime} \mathrm{W}$. long. They cousist of one large island, two of moderato extent, and several smaller islands. The largest is called Warekauri, and is in the form of a hammer with a short handle, the head of tbe hammer towards the north being 48 miles long from east to west, and the handle, or southern peninsula, abont 36 miles in length. Dieffenbach, by a rough computation, gives the area at 477 nautical miles, or 305,280 acres, of which however 57,600 acres at least are water, being lakes, lagoons, sce., so that the land is not more than 247,680 acres. The southern shores of the southern peninsula are liued with rocky cliffs, hut the remainder terminates in a low gandy beach, with the exception of a few headlandsalong the northern coast, which are formed by low rocky masses. The country rises gradually from the beach for oue or two miles, when it extends on an undulating level. The central part of the island is occupied by a large lake called Te Wanga, which is about 25 miles long and between 6 and 7 miles broad. It is surrounded by hills, either wooded or bogyy.

The aurface of the tract which lies west of the northern part of the Te Wanga Lake is diversified by a considerable number of hills of a prramidal shape, and consioting of basalt. Of tbese hills there is none sbove 800 feet in height. In their vicinity the soil is very fertile, being in its natural state covered with a vegetation of fern and trees, mixed together and appearing like oases in the surrounding hog. Tho intervening tracts are covered with bog. Wherever the superfluous water has been carried off by a natural outlet a rich vegetation of fern and New Zealand flax (Phormixm tenax) bas sprung up, which gives additional firmness to the soil by the decayed leaves, and jields a rich harvest to the native planter. This is particularly the case on the low hill above the sea-shore. In this part several lakes occur at the back of the low hills which run parallel to the coast. They are surrounded by gently sloping hills, but have generally an outlet for their waters into the sea. The best portion of the island is that wouth of the lake, which has an undulating surface, is not so boggy an the rest, and is either covered with an open forest of moderate aized trees or with high fern, in which case the land can be hrought ander cultivation with little lahonr. The soil is very fertile and the vegetation is vigorous.

On the weotern side of the island is a large bay, called Waitanga Bay, in which there are five harbours behind some projecting headlands. On the southern shore of the bay is Waitanga harbour, which has excellentanchorage in between 5 and 12 fathoms water. This harbour receives the largest river in the island, the Mangatu, which comes from some hills on the sonth; though its whole course does not exceed 12 milen, it is navigable for boats for about three miles from its mouth, hat it han a bar across its nouth, which is passable for boats only at high-water. On the northern side of $W$ aitanga Bay are four harbours, one of which, Wangaroa, is frequently visited hy vensels, and affords complete protection against all winds. The northern shore of the island is much exposed, but contains a sheltered bay called Kalngaroa, which is stated to have good anchorage, in from 10 to 12 fathoms water. Whalers frequently visit Oinga, the south-eastern headland of the island, where the hills offer some protection against wind and sea

The climate is very mild. In winter (from May to July) the thermometer never rises above $60^{\circ}$, nor descends helow $45^{\circ}$, after eight o'clock in the morning. The air is always moist and cool, but never misty, the vaponr being carried off by the constant breezes. In winter there are sbowers of rain for a few hours every week. The prevailing winds are north-east and south-west. The climate appears very favorrable to Europeans.

The natives cultivate potatoen, different kinds of turnips, cabhagen, taro (Arum esculenium), some tobacco, and abnndance of pumpkins, which form a great part of their food. There are several kinds of trees, which are of the species fonnd in New Zealand: the karakntree (Corymocarpus larigatus) forms the largest part of the forest. No kind of quadruped occurs, except the Norwegian rat. Birds are numerous: in the lakes and on the sea-shores are ducks, Enipes, plovers, curlews, and redhills; in the forests the mocking-bird, a little green parroquet, the mako-mako, a singing-bird, and the large New Kealand pigeon. Fish are abundant. Both the spermaceti and hinck whales are seen in great numbers off the shore.

These inlands were discovered in 1791 hy Broughton, of his Majesty'a ship Chatham, who took possession of them in the name of the king. Tbey rere afterwards frequently visited by whalers, and in 1840 a whaling station way estahlished at Oīnga. Broughton found them inhabited by a people belonging to the Malay race. They are not so tall, muscular, and well proportioned as the New Zealauders; and their complexion is darker. The natives, of whom a comparatively monall number remain, have been rednced to a state of alavery and degradation by two tribes of New Zealpnders. The nuniber of the New Zaralanders who settled in the Chatham Islands is stated to have been 800 : and, by means of the lahour of their slaves, a portion of Warekauri wha soon brought Into cultivation, so that they could furninh muplies for the few vessels which annually resort to the island.
South-east of Warekauri lies Rangi-\&aute, or Pitt's Island, which is about 12 miles long and 8 milen broad. It consists principally of
a hill of moderate elevation, having a flat top, whose declivities terminate near the coast. It has no harbour, and is stated to be inhabited by a small number of aboriginal natives. The otber islands are mere rocks, and only frequented by sea-birds.
(Dieffenbach, 'Account of the Chatham Islands,' in London Geographical Journal, vol. xi.)

CHATILLON-DE-MICHAILLE. [AIN.]
CHATILLON-LES-DOMBES. [AIN.]
CHATRE, LA. [INDRE.]
CHATSWORTH. [Derbyshire.]
CHATTAHOOCHEE RIVER. [ALABAMA.]
CHAUDIERE. [CaNada.]
CHAUDPOOR. [BAREILLY.]
CHAUMONT. [Marne, Haute.]
CHAUNY. [AIsNe.]
CHAUSSEY. [MANCHE, La.]
CHAUX-DE-FOND. [NeUFCHATEL.]
CHAVANGES. [AOBE.]
CHEADLE, Staffordshire, a market-town and the seat of a PoorLaw Union, in the parish of Cheadle and hundred of Totmonslow South, is situated near the Tean Brook, which flows into the Churnet, in $52^{\circ} 59^{\circ} \mathrm{N}$. lat., $^{\circ} 1^{\circ} 59^{\prime} \mathrm{W}$. long. ; 14 miles N.N.E. from Stafford, and 146 miles N.W. by N. from London by road; Alton station of the North Staffordshire railway, which is 4 miles from Cheadle, is 144 miles distant from London. The population of the town of Cheadle in 1851 was 2728 . The town is governed by the county magistrates. The living is a rectory in the archdeaconry of Stafford and diocese of Lichfield. Cheadle Poor-Law Union contains 15 parishes and townships, with an area of 54,631 acres, and a population in 1851 of 18,177 .

Cheadle is called Cedla in the Domesday Book. The town is within the moorland district of North Staffordshire, and is situated in tho midst of hills formerly barren, hut recently covered by plantations of timber-trees. Cheadle is irregularly laid out, and consists of indifferently-built houses.
The old church had some fine examples of the decorated style in its windows, arches, and tracery; but in 1837 it was found necessary to take it down, and a new one was built in its place. A splendid Roman Catholic church built from designs by Mr. Pugin was opened with great ceremony in 1846. The chief portion of the expensc of this huilding was borne hy the Earl of Shrewshury. There aro places of worship for Independents and Wesleyan, New Connexion, and Primitive Methodists.
In the town are a Free school, two National schools, and an Infant school. The school-house belonging to the Roman Catholics is a large and fine building. There are a public parochial library and a savings bank. A county court is held in the town.

The chief manufactories of Cheadle are copper works, hrass works, and a tape manufactory; a little coal-mining is also carried on. The Caldon Canal passes along the valley of the Churnet two or three miles from the town.
(Communication from Cheadle.)
CHEDDAR. [Somersetshire.]
CHEUUBA. [Aracan.]
CHELMSFORD, Essex, a county town, and the seat of a PoorLaw Union, in the parish and hundred of Chelnsford, is situated on the river Chelmer, in $51^{\circ} 44^{\prime} \mathrm{N}$. lat., $0^{\circ} 28^{\prime} \mathrm{E}$. long.; 29 miles N.E by E. from Londou by road, and 291 miles by the Eastern Counties railway. The population of the town of Chelmsford was 6033 in 1851. The parish is under the management of a Local Board of Health. The living is a rectory in the archdeaconry of Essex aud diocese of Rochester. Chelmsford Poor-Law Union contains si parishes and townships, with an area of 81,738 acres, and a population in 1851 of 32,258 .

Chelmsford is situated nearly in the centre of Essex, on the high road from London to Ipswich. The town derives its name from an ancient ford over the river Chelmer, near its confluence with the river Cann. The manor was formerly in possession of the bishops of London. About the time of Henry I. it became a place of some importance. Maurice, then bishop of London, huilt a stone bridge over the Cann and diverted to it the public road which previously passed through Writtle, by which means he made Chelmsford the great thoroughfare to Suffolk and Norfolk. The prescat bridge over the Cann, a handsome stone structure of one arch, was huilt in 1787.' The High-street, which is wide and commodious and contains many good houses, extends from this hridge to the Shire Hall. There are several other streets. The town is well lighted with gas. A tolerably good supply of water has been furnished for a considerable period from a conduit in the market-place, which is fed by pipes from Burgess Wells, near the entrance of the town on the southeast. Tho fountain was rc-constructed in 1841, the expense beiug defrayed by public subscription. The parish church, dedicated to !t, Mary, is a spacious gothic structure, rehuilt in 1424. In June 1800 the roof and a portion of the walls fell iu, but the church was afterwards rebuilt. At the west end is a square embattled tower of the 13 th century surmounted with a lofty spire. The interior coutains many intcresting monuments. There are a district church dedicated to St. John, and chapels for Independents, Baptists, Quakers, Irvingites,
and Roman Chetholicen. The Grammar echool, foundel by Edward VI., has an income from endowment of 488l. a year, and is free to 10 boys, but in 1552 the number of scholars was under 20 . Thero are Nistiona, British, and Infaut achoola, a philosophical society, a mechanica institution with a mumeum and roading-roome, a sarings bank, and a dirpenanry. Tho Shiro IIall is a handsome huilding, having a front of Portland stone. The new jail is huilt on the radiating principle, and will accommodate $2 \% 2$ prisonera. The county ascizes aro held at Chelmsford; also quartor sossions and a county court Beaiden the stono bridge already notieed, thero are a cest-irou hridgn over the Cann and two hridges over two brauches of the Cholmer, which surround a manall island called Mesopotania Upou this island a ludic:ous mock election of a member of parliamont has been long conducted on tho occurrence of electlons of the county members. On thean occasions there are the usual nominatlon, speechmaking, ebairing, dc., anil tho proceediugs end with the uewly-elected member receiring a dueking in the river.

Chelmsford is ehiefy dependent on agriculture for it promperity. There aro hero tan-worke, corn-mills, conch-wrorks, an organ faetory, and works for the masufacturo of agricultural implements. The river Chelmer was made navigahle from Chelmeford to Maldon (about 15 milen) towarde the elose of the last century; the basin and wharfi are at Springfield, near to the town: barges of 30 tons are employed In the narigation. The channel is 30 feet wide at the top and 20 feet at tho bottom. The market is held on Friday: fairs are held on May 12th and Norember 12 th.
(Morant, Essex; Wright, Essex ; Communication from Chelmeford.)
CHELSEA, Middlesex, formerly a village reckoned about 2 miles from London, but now constituting a portion of the suburbs, is on population of Chelsea distriet in 1851 was 56,538 . The parish is a rectory in the archdeaconry of Midldlesex and diocese of London. Chelsea is the seat of a Poor-Law Union, which is co-extensive with the parish and district
Chelsea stands on a slight eminence, about 15 feet above the Thames. Sir Thomas More, who had a house here, wrote the name Chelchith. In tha 16 th century it began to be written Chelsey. Many of the nohility and gentry had residences here, and there were noveral noted coffee-hounes, taverns, and puhlic-housee with gardens, which wavo much frequented in the 17 th and 1 Sth eonturies.
The parish ehurch of Chelsea being insufficiant for the wants of the rapidly iucreasing populatiou, a new church was erected in Robertstreet, and consecrated in 1824. It is a spacious building, in the pointed style of architecture. The old church is situnted near Batter-
ses Bridge; and is an interesting structure, hoth for the remains of ancient work which it containg, and for its monuments, several of which are to perwons celebrated in English history, or in liternture. The monument to Sir Thomas Moro is the most famous. The rapid increase of huildings in and around Chelsea, within the present century, has led to the construction of many new churches. Besides the two churchee above named, there are Christ church, in Queen's lload, and St. Jude's ln Tark's Row; together with Upper Chelsea church and St. Saviour's, also in Upper Chelsen. The new church and college of St. Barnabas, opened in June 1850, is near the eastern margin of Chelsea In Park Walk is an Episcopal chapel. There are also a considerable number of chapels for Wasleyans, Independents, Baptists, Presbyterians, and Roman Catholica. Among the educational catablinhments the ehief is St. Mark's Training College, a normal school for schoolmasters belonging to the National Society, which had 72 studeut in residence in 1852. A training institution for schoolmintreases, bolonging to the same society, situated in King's Road, had 90 students in residence in 1852. There are several National, British, and Infant schools, and a savinga hank.

Chelsen is chiefly lighted by two gas companies, tho Westminster and the Imperial. Chelsen Water Works are at Thames Bank. In the Fulham Rosd is the London and Westminster Cametery.

The Royal Ilospital for invalid soldicrs is at Chelsea. In tho relgn of James I., Dr. Sutcliffe, dean of Exeter, projected a college for the atudy of polemical divinity, whieh met with the king's approbation. The foundntion stono of the huilding was laid on May 8th, 1009 . In the charter of lucorporation it in styled 'King James's Collego nt Chelsey.' During the civil wars it whs appropriated hy tho Parliament to diferont purpones. Charles II. gave it to the then newly, eatablisher Royal Society; hut not heing adapted to their use, it was rentored to the klng for 13001 , in order that tho site might he wh Sir Christopher Wren. The foundation-stone was laid on the 16 th of February 1082 by the king, who was attended hy a great concours of nohility and gentry. The huilding was completed in 1600 , at an expenme it is stated of $150,000 \mathrm{~L}$. It In of hrick, ornamented with stone quoius, cornices, pediments, and columns. The building commate of three courth, two of whieh are spacious quadrauglen ; the thind, the contral one, fin open on the south side next tho Thames. It consista of threo aides of a aquare, ornamenterl with portlcoon and plazzas, and ham a pleasing appearance. The north front is simple In ite style, and consiste of a centro and wings, In a straight llne, with no other ornament than a plaln portico. In tho centro of the
hospital are the clapel and the great dining-lall. The businens of
the Royal Ilospital at Chelsea Is manased by commassioners appointed nuder the great seal. The evtablishment conaists of a gorernor aud lieutenant-governor, and various enbordinato ofticors. There are usually upwand of 500 invalids in the hospital, who aro dividod iuto elasse, and rogulated by military discipline. In addition to thoir provision and olothing they receire a weekly peasion. There are besides numerous out-pensionera The body of the late Duke of Well. ington lay In stato in Chelson llospital for a fow clays previous to tho publie funeral, which took ploco on November 18th 1852. On Nov. 1sth the pressure of the crowd who thronged to the hospital to see the lying in-stato was so groat, that meveral permons lost thoir livea

The Royal Military Asylum is also in Chelsea. The building is on an oxtenive plan: the foundation-stane was lald by the Duke of York in 1801, and it was completed in 1805. It is appropriated to the support and education of childron (especially orphans) of soldiers and non-commissioned officers. In I851 there wero in the Normal school 40 students, In the Model school $2 \%$ scholars, and in the Infant school 80 scholars The Apothecaries Company of London have a botanical garden at Cholsea. In the ceutre of it is a statue, by Ryshrack, of Sir Ilans Sloane, frow whoun the company received the freehold of the ground, the consideration paid boing an annual presentation of plants to the Royal Socicty.

A very large stenm-boat traftio has become estahlished at Chelsea; it is accommodated by three piers, one of whieh, erected by the Earl of Cadogan, is a handsome structure. Cromorne House and gardens have passed into the hands of proprictors whs hare opened them as a place of puhlic amusement. A now hridge in connection with the proposed Battersea Park is in process of orection; the estimatos for the bridge amount to 70,0007 . By the New Reform Bill, introduced hy Lord John Russell on Fehruary 18th, 185t, it is proposed to form Chelsea and Kensington into an electoral district to return two members to the Imperial Parliament.
(Lysone, Environs of London; Faulkuer, Mistorical Description of Chelsea; Communication from Chelsea.)

CHELTENHAM, Gloucestershire, a market-town, parlinmentary borough, and the seat of a Poor-Law Union, in the parish and hundred of Cheltenham, and eastern division of the county, is situated in $51^{\circ} 54^{\prime}$ N. lat., $2^{\circ} 4^{\prime} \mathrm{W}$. long. ; distant 8 miles N.E. from Gloucester, 88 miles W. hy N. from London hy road, and 121 miles hy the Great Western railway. The population of the horough and parish, which are coextensipe, was 35,051 in 185 I . The town is governed by commissioners. For sanitary purposes the management is in the hands of a Local Board of Health. The borough returna one member to the Imperial Parliament. The living is a perpetual curacy in the archdeacoury of Gloucester, and diocese of Gloucester and Bristol. Chelteuham Uuion contains 13 parishes and townships, with an area of 24,308 acres, and a population in 1851 of 44,198 .

Cheltenham appears to have been of some importance at an early period. British and Roman remains have been found in tha neirhbourhood. A priory existed here at the commencement of the 9th century. In Queen Elizabeth's reign the inhabitants of Chelteuham petitioned to be relieved from the burden of sending two members to Parliament, and the prayer of the petition was granted. The frunchise was re-conferred on the town by the Reform Act. At the close of the 17 th ceutury however, Cheltenham was a mare rural village. In 1716 the discovery of tha bealing properties of a saliue spring first attracted visiters to Cheltenham. From that time the place gradually increased till 1788, when it suddenly became a fashionahle resort in consequence of George III. having been direeted hy his physieians to try the waters of Chelteuham, and having derived benefit from them. In the present century the increase has been remarkahly rapid. In 1804 the town consisted of one loug strcet, through which a hranch of tho Chelt llowed, and was crossed at intervals by stepping stones; it theu contained 710 houses and 3076 inhahitants; at the Census of 1851 there were found to be 6996 houses, and as above stated, 85,051 inhabitants.
The town is pleasantly situatod in a valley along which runs the streamalct from which the town dorives its name. The Cotawold hills form a vast amphitheatre, shaltering the town on the north-east, and causing the temperature of the valley to be equable and pleasant. Chelteuham posseases no manufacture, aud the houses and puhlic huildings being entirely of recent erection, and constructed especially for the accommodation of visiters, the tawn is altogether an agreeable place of reaidence.

Cheltenham consints of a principal street above a mile long, with numerous other streets, quares, crescente, and terraces on each side of it. The different places of puhlic resort, the pump-rooms, hotels, and lodging-honses aro considered to bo superior to those of most other watering places. Tho Pmmenade, Old Well Walk, and other walks, afford pleasaut public promenales. There aro four spas, the Royal Old Well, the Montpelier Sph, Pittville Spa, and the Cambray Spa. There aro also uumerous baths. The waters are all saline, and coutain as their chiof lugredients muriate of soda, sulphate of moda, and sulphato of maguevia

Tho parish church, dedicated to St. Mary, is almost the only ancieut huilding in Cheltenham. It is a spacious cruciform edifica, ehiefly of the decomted style, with a tower rising from the intersectiou of the cross, and a very lofty apire. Tho interior is incumbered and dis.
figured hy huge pews and galleries. In the churchyard is a mutilated cross. The other churches are-Trinity, St. John's, St. James's, St. Paul's, St. Philip's, Christ church, and St. Peter's. Christ church, the most generally admired of these huildings, will accommodate 2000 persons; it is a pleasing edifice of a mixed modern gothic style, with a tower 174 feet high. St. Peter's is a picturesque specimen of the Norman style; the interior has a very chaste appearance. The Wesleyan, Calvinistic, New Connexion, Primitive and Association Methodists, Indepeudents, Baptists, Quakers, Unitarians, Roman Catholics, Jews, and Mormonites have places of worship in the town.

The principal educational estahlishment in Cheltenham is the Proprietary College, situated in the Bath-road. The huilding, an imposing structure in the Tndor collegiate style, was erected in 1843. It has a frontage of 240 feet; the lecture-room is 40 feet by 32 feet; the principal windows are 35 feet high by 20 feet wide. In 1852 the college was attended hy 412 students. The Free Grammar school, in the High-street, was founded in 1578 ; it has now an income of about 800l. a year. There were 175 scholars in 1852 . The school possesses 10 scholarships and exhihitions at Oxford Univeraity, none of which is less than 60l. a year. There are six National schools, three British schools, and fonr Infant schools A Church of England Training Collcge has heen founded for educating masters and mistresses of infant and parochial schools. The huilding for male students recently erected contains residences for the priacipal, vice-principal, assistantmaster, and 100 students. The cost of this building (defrayed by subscription, aided by a government grant) was upwards of $10,000 l$. The architect of the huilding, which has a quaint monastic character, was Mr. Daukes. For the female estahlishment a house is rented which accommodates three governerses, a superintendent, matron, and 60 pupils. There were 75 male and 60 female studeuts in residence in 1852.

Cheltenham possesses an hospital, an infirmary, a dispensary, almshonses, parochial charities, and a very largo number of benevolent and charitahle institutions. There are also a savings hank, a literary and philosophical institute, horticultural, choral, and numerous other societies and cluhs. A county court is held in the town. There is a daily market; seven fairs are held during the year.

Of tho numerous mansions in Cheltenham and its vicinity, Thirlestane House, the seat of Lord Northwick, in the Bath-road, deserves particular mention, on account of its extensive and excellent collection of paintings, including many admirahle works by both old and modern masters. It is open to the public under certain regulations.
(Atkyns, Gloucestershire; Cheltenham Histories and Guides; Communications from Cheltenham.)
CHEMMIS. [Acumin.]
CHEMNITZ, a town in Saxony, the capital of the ErzgeBirge circle, is situated at the foot of the Erzgebirge, in a beautiful and well-watered valley which extends about ten miles in every direction. It stands in $50^{\circ} 50^{\prime} \mathrm{N}$. lat., and $17^{\circ} 55^{\prime} \mathrm{E}$. long., and about 976 feet above the level of the Baltic. Chemnitz was for four centuries a free Imperial city. It is now the principal manufacturing town in Saxony. In no place indeed have the English improvements been introduced with such care and skill as in Chemnitz. There are several large spinning and weaving estahlishments, numerous manufactories for printing cotton gonds, and some in which the yarn is dyed red like Turkish yarn. The woollen manufactures, which were formerly very considerable, have much decreased in the last fifty ycars; hut in the town, as well as in its neighbourhood, thereare many stocking manufactures. The manufacture of linen-cloth and of spinning machinery also employs many of the inhahitants. Chemnitz carries on a considerahle trarle, being situated where the road hetween Pragmo in Bohemia and Leipzig, and that which unites Bavaria with Dresden, cross one another. Its exports to the United States of North America are of considerable amount. The town contains 28,650 inhahitants, and is well huilt; the streets are spacious and montly straight, and many of its houses look more like palaces than dwelling-houmes. It is lighted with lamps and is remarkahle for the great cleanliness of its strects. The puhlic edifices are in a good style, hut none of them particularly distinguished. Among them may be named the Great Church, the Rathhaus, or town-hall, and the Gewandhaus, or cloth-hall

CHEPSTOW, Monmouthshire, a market-town and port, and the seat of a Poor-Law Union, in the parish of Chepstow and upper division of Caldicott hundred, is situated on the right bank of the river Wye, in $51^{\circ} 38^{\prime} \mathrm{N}$. lat., and $2^{\circ} 39^{\prime} \mathrm{W}$. long. ; 16 miles S . hy E. from Monmouth, 135 miles W . from London hy road, and $141 \frac{1}{4}$ miles by tho Great Wegtern and South Wales railways. The population of Chepstow town was 4295 in 1851. The living is a vicarage in the archdeaconry of Monmouth and diocese of Llandaff. Chepstow PoorLaw Union contains 38 parishes and townships, with an area of 64,930 acres, and a population in 1851 of 19,000 .

Chepstow is situnted ahout 21 miles from tho junction of tho Wye with the sestuary of the Severn. Tho town was at an early period strongly fortified. Tho castle is now in ruins, but its remains indicate its former strength and extent. The remaing consist of four courts and a central building, and atretch for a considerahlo distance nlong a precipitous cliff. The area of the castle is above three acres: hut it is narrow in comparison with its great length. The entrance is by a gateway between two large round towers, and has been protected by GEOC. DIV. VOL. II.
an iron door, douhle portcullises, machicolations, and other defences. Chepstow Castle is said to have been founded shortly after the Conquest hy Fitz-Oshorne, earl of Hereford, hut the greater part of the building is of at least two centuries later date. The castle has endured several sieges. In 1645 it was taken by the parliamentary forces; in 1646 it was retaken hy Sir Nicholas Kemeys, at the head of a small hand of Royalists. Cromwell himself, with a considerable force, endeavoured to regain possession of the castle, hut the garrison refusing to yield, and time pressing, he delegated the conduct of the siege to Colonel Ewer, who ohliged the garrison to surrender, though not till their commander, Sir Nicholas Kemeys, and 40 of their numher were slain, and their stock of provisions was exhausted. Henry Marten, one of the Judges who tried Charles I., was confined for upwards of 20 years in the keep of Chepstow Castle : he was however allowed to have his family with him, and to receive the visits of his friends. He died in the castle and was huried iu Chepstow church. The keep is now commonly designated Marten's Tower. One of the ancient gate-houses of the town is still in a tolerahly good condition.

Chepstow church is an edifice of Norman erection, and originally formed part of the Benedictine priory of Chepstow, In the interiur are some handsome monuments. The church has heen lately enlarged, and affords sittings for 1600 persons. The Roman Catholics, Wesleyan Methodists, Independents, Baptists, and Irvingites havc places of worship. There are a Free school for 12 boys, a National school, an hospital, and several almshouses: also some parochial charities. The town possesses a literary institution, a horticultural society, a choral society, and a savings bank. A market-house and a theatre are among the puhlio huildings. The railway hridge across the Wye is a remarkahle construction, the part on the Gloucestershiro side heing tuhular but open at top, while on the Monmouthshire side the rail runs upou arches: this construction was necessary to avoid impeding the navigation.

The town of Chepstow is built on a hill, which rises with a gentle slope from the river, and has a picturesque appearanco. The bridge, erected iu 1816, is constructed of iron : it is a suhstautial and rather handsome structure of five arches, and is 372 feet long. The rise of water at Chepstow bridge at high tide, is 50 feet, being the greatest tidal rise in Europe. On a few occasious it has risen much higher. The river heing narrow the rush of water at rise and fall of the tide is extremely fierce. For large vessels the Wye is navigahle to Chepstow hridge; barges of from 18 tons to 30 tous can asceud the river as far as Hereford. The numher and tonnage of vessels registered as helonging to the port, on 31st Decemher 1852 were as follows:sailing vessels under 50 tons, 42, tonnage 1154; ahovo 50 tons, 14, tonnage 1309: steam vessels 1 of 17 tons, and 1 of 53 tons. During 1852 there entered and cleared at the port, in the coasting tradeinwards, 396 vessels, tonnage 10,247 ; outwards, 112 vessels, tonnage 7426 ; and 1 steam vessel inwards of 65 tons. In the colonial tradeinwards, 1 vessel of 145 tons; in the forcign trade-iuwards, 4 vessels, 320 tons.
There are no manufactures in the town or neighhourhood. The town is lighted with gas; the streets are well paved and cleansed. A county court is held at Chepstow. The market days are Wednesday aud Saturday; four fairs are held in the course of tho year.

Near Chepstow is Hardwick House, the seat of the Bishop of Llandaff. Mathern House, the former residence of the hishops of Llandaft is near the sea about a mile and a half from Chepstow. Close by Chepstow is Piercefield, the grounds of which are of much celehrity From the walks are ohtained rich and extensive views of tho valley of the Wye and the country heyond. Views of equal heauty and nearly equal extent are also ohtained from the summit of Wyndcliff, a rock 970 feet high, situated about a mile and a half farther ur the Wye. Fire miles from Chepstow are the famous and most picturesque ruins of Tintern Ahbey. But the whole country around Chepstow is unusually heautiful and interesting.
(Cox, Monmouthshire; Cliffe, Book of South Wales; Land We Live In, vol. i. ; Communication from Chepstow.)

CHER, a department nearly in the centre of France, comprehends that part of the ancient province of Berri called Upper Berri and a portion of Bourhonnais. Its northern houndary is formed by tho department of Loiret, on the south it has the department of Allier, on the west the department of Loir-et-Cher and Indre, and on the east the department of Nièvre and the river Loire. It is included between $46^{\circ} 18^{\prime}$ and $47^{\circ} 40^{\prime} \mathrm{N}$. lat., $1^{\circ} 50^{\prime}$ and $3^{\circ} 5^{\prime}$ E. long. Measured north and south its greatest length is 86 miles, and its greatest width east and wcst 56 miles. The area is 2780 square miles, and the population according to the census of 1851 was 306,261 , which gives $110 \cdot 16$ to the square mile, hcing 64.554 below the average per square mile for the whole of France.

The department consists almost entirely of a vast plain of very unequal fertility. The eastern part, which helongs to the hasin of the Loire, is extremely fertile. The northern district (which is called Sancerrois, from its chief town Sancerre) has several ranges of low hills, which sweep in parallcl curves from south-east to north-west and west; between them are valleys watered hy rivers, which follow the dircctiou of the hills, and here tho soil is sandy and in many parts covered with heaths and marshes. In the north-western districts, which form part of the dismal region called Sologne [LOIR-ET-CEER],
the coil cousinta of a langoy and thet yields little elpo than hoath and hroom. In the sonth and south-went the land is tolerahly gool, but here and in the centro of the department there is a great number of ponds and marricen. The oxtent of natural pasturage and moorland throughout the department is very considerible.

The river Cher, from which the department in named, risen onst of Anhuston in the department of Crouse, on the borders of which, having received the Taries from the left, it crosese the north-west of the department of Allier, and running north separstes Allier from Cher, in this part of ite coureo taking in tho waters of the Aumanco from the right; turning from the boundary a few miles noutle of St.Amand it rums north-weat through tho dopartment of Cher to the neighbourhood of Vierzon, whero it recoives the Araon from the left and the Yorre from the right, and begins to be uavigable. Welow Vierzon it turne weat and onten the department of Lolr-et-Cher, taking in the Suuldre a little below Sellea on the right bank; hence its course is generally west to lta junction with the I oire a little below Tours, after a course of about 200 miles. The Cher is anhject to foods, which sometimes rise 16 feet above the usual lorel of its surface, and as the grounds in the lower part of its course along the right bank are low, its inundations aro often attended with great dentruction, notwithatanding that dytea have been erected along the right bank for 17 miles from lts junction with the Loire. Tho Loiv and the Allier, both of which are navigahle, form the eastern boundary. The moet northern part of the department is drained hy the Grand Sauldro and Petit Sauldre, which to the cast and northeast of Bourges roepectively flow north-west, and unito beyond tho western boundary to form the Sauldre.
The department is traversed hy the Canal du Due de Berri, called also Canal du Cher, which runs along the left bank of the Cher from slontlucon in the department of Allier to St.Amsnd; hence it enters the vallegs of the Marmande, the Yivere, and the Auron, passing Buurges, and joins the Cher again at Vierzon. A branch joins this canal to the lateral Canal of the Loire, which runs from Digoin to Briare, where the Canal du Loing commences, uniting the Loire and the Seive. The department is crossed hy the railroad from Orlenns to St.-Fitienne, which passes through Vierzon and Bonrges ; it thence runs eastwand to Nevers, and then mouth up the ralley of the Allier to Moulins and Varenne, in the department of Allior. All this part of the railway is now (Marcb, 1854) open; the aection hetwoen Varenne and Koanne when finishod will complete the line. A hranch railway from Vierzon runs south-west to Chatenuroux in the department of Indre. The common road-way accommodation is hy 8 national and 21 departmental romis.

The whole aurface of the department contains $1,779,060$ acres. of thin area 916,000 acres aro capahle of cultiration, 274,958 are natural grase-land, 31,820 are under vineyards, 291,100 under woods and forests, and 155,183 under lieaths, ponds, and marshes. The common hread-stuffis ane grown in aufficient quantity for the consumption. Hemp is extensively cultivated; the annal produce is $14,760 \mathrm{cwts}$. This department supplies the wine from which the best Orléans vinegar is made. The annual yield of the vineyards is only $5,500,000$ gallons. Other articles of produce are fruits, fax, ehestnuts, truffles, ac. Horses, goats, pigs, and sheep are numerous; the wool of the sheep is esteemed for its fineness. Game, hees, and poultry ahound.

Iron and conl mines aro worked; aud marble, building, and mill stone are exteusively quarried. Maugancse, Bthographic stone, gypaum, porcelain, and fuller'a clay are found. There are fifteen blastfurnaces and thirty forges, in which the amelting of the ore and ita conversion into malleable iron and steel is effected near the minca, chiefly by means of eharcoal supplied from tho ueighbouring forests It is probable however that the spread of milroads and the recent Iowering of the duty on imported conls have led to the substitution of better fuel in these metallurgic eatahlishments. The other iudustrial products are coarse cloth, druggct, canvass, naile, cutlery, porcelain, saltpetre, oaketaves, cotton and woollen yarn, de. The cominerce of the department conniats of the agricultural and induatrial products mentioned, and of fat cattlo, goat-skins, timber, and heech-wood toys.

The department is divided lnto three arrondiseements, which, with their mubdivislons and population, are as follows:-

| Arrondinameat. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Moargea . . | 10 | 111 | 120,148 |
| 2. Ramectre . . . | 8 | 83 | 77,585 |
| 3. BL-Amand . . | 11 | 121 | 108,530 |
| Total | 29 | $30 \%$ | 306,261 |

1. In the first arrondiaement the chief town in Bourgrs. Graccy, an ill-huilt town, 20 mlles N.W. from Bourges, has $\$ 075$ inhabitants; near it thero in a Druidical altar, consiating of a large stoue slab inclining to the north mppiorted hy three other siabs, and murromendel, oxcept towarda the south, by twenty-one lugo stones Sfo-Sfartind'Amzigny, 10 miles from Bourgen, has 2318 inhabitanta. Mehunaur. Ferre stands in a very fortile district near tho Yevre, and on the railroad from Vierzon to Bourgen, and has 3333 inhahitants. Tho town in very ancient; near it are the rulan of the old castlo ln which Charles VII. lived with Agwer Sorel, and In whlch be mubsequently
starved himnolf to death, July 22, 1461. Menetom-Salon has 2451 inhabitauts, who aro ongaged in tho manufacturo of hrandy and iron; thero is an ochro mine near this town lierson, 50 miles $S$. fron Orfann, 10 miles N.W. from Bourges, and 89 miles N.F. from Chateauroux, with which towns it has communication by railway, stands at the junction of the Yidro with the Cher, and has ahout 6000 inliabitante, including the wholo eommune It is well and regularly bullt, and jte nito on a navigahle river and canal among vine-clad hilla and rast meadows is very delightful, and proments a mont agreable contrast with the dimal region, well named La Tristo Sologne, which lies north of Vierzon, and is traverped in coming hero from Orloans. The housea aro moslly covered with alates fiorzon in a place of great and "increasiug commercial activity. Cloth, werge, iron-wara, hosiery, porcelain, and leather are manufactured; great quantition of the bent iron of Berri aro manufactured at the furnaces and the forges vear the town.
2 In the second arrondissement the cluef town is Sancerre, near the left bank of the Loire, an ill-built place, but prettily situated on a hill, the sides of which are covered with vinea It is 28 miles N.E. from Bourges, and has 3488 inhabitants, a college, tribunal of first instance, manufactures of hosiory and leather, and a considerahlo trade in corn, cattle, wool, and marhle raised from the neighbouring quarries. Aubigny, N.W. of Sancerre, is a wretehed, ugly, ill-huilt town, with 2176 inhahitauts and a large market for wool. Henriche monf, formerly called Bois-belle, is a pretty and well-huilt town a few miles W. from Sancerre, with 3018 inhahitants; in the centro of the town is a spacious aquare in which the four main streets mect; the houscs are all huilt of hrick; the town las cloth-factories, tanneries and a large wool-market. Troy-le-Prf, 17 milea from Sancerre, ha blast-furnaces, forges, and irou-foundries, and 2703 inhahitants,
2. In the third arrondissement the chief town is $S \cdot \cdot A m a n d-M$ ons rond, which bas a tribunal of first instance, a college, aus 8153 inhahitanta, including the whole commune. [Axasd, Sr.] ChilleanMeillant, iu the south of tho departmeut, has a population of 2711 , and a very ancient castle. Chatcauneuf vur-Cher, on an island formed hy the Cher, has 2219 inhahitants, who trade in wine, horses, and cattle; there is a wiro-drawing factory and an aucient ruined castle in the town. Dun-le-Roi, N. of St.-Amand, on the right bank of the Auron, a feeder of the levre, was formerly a very important town defended hy walls aud a atrong citalel; hut it seems never to have recovered its capturo in the reign of Charles VII. hy the Kuglish, who pillaged the town and hurned the suhurbs: the population 1s 1097. Large cattle fairs are held in Dun-le-Roi. Guerche, on the Aubois, a feeder of the Loire, bas 2090 inhabitants, and smelt-furnaces, which produce metal of the best quality. Lignieres, in the beautiful valley of the Arnou, and near the large pond or rather lake of Villiens, has 2200 inhahitants, and ras old castle rich in historical ansociations. Sancoins, near the souree of the Aubois, has 2464 inbabitants, who trade in corn, wood, cattle, gypsum, lithographic stones, \&c.

The department forma, together with that of Iudre, the archiepiscopal see of Bourges; it is within the circuit of the High Court and University of Bourges, and is included in the 19th Military Dirision, of which Bourges is head-quarters.
CHERBOUMG, a seaport town, naval station, and fortress of the first class, is situated on the north cosst of the peniusula of Cotentin, in tho department of Manche, in France, at $n$ distance of 75 miles due S . from the Needles and the Isle of Wight, 218 miles W. hy N. from Paris, and has 24,212 inhahitanta, including the wholo commune. It atands at the mouth of the Diretto, which falls into the bay lying between Cape Levi on the east and Cape la Hague on the weat. The atreets are narrow and dirty; the houses are huilt of stone and roofed with alates, which aro got from quarries near the town. The only ohjects deeerring of mentiou besides those connected with the harbour aro the old tower, which formed part of the ancient furtifications, the church near it, and the Chapelle-de-Notre-Dame-du-Vou, first erected hy the empress Maude on a spot called Chantereyue, outside the town and close to the dockyard; tho puhlic bhrary; the collection of pictures in the town-hall; and the theatro.

The commercial port at the mouth of the Divette consists of an outer harbour, which communicates with the sea by a channel 656 yarda loug, 65 yards wide, and with a depth of 20 feet at low wator; aud of a hasin, closed hy flood-gates, in which vessels aro kept always afloat. The harbour is lined with quaya; on the enstern side of the outer harbour is the old arsenal, and east of the jetty which forms the channel is a lngge bathing estahlishment.

The naral harbour, which is hetter than half a mile N.W. from the river's mouth, is excavated out of the solid rock; it lans a depth of 52 fect at high water, and is largo cnough to coutain fifteen vessels of the line. To the nouth of the larbour are dry docks, and round theso four nbips for building the largest ships, two slips for frigates, besides powder ınagazines, barracka, forges, furnacon, workshops, a large timber-shed, aud various other establishments nocessary to a naral anseual. The unval port is murrounded with atrong fortifications, and carefully guarded at all pointes, and on the hills which surronnd the town and look down upon the harbour somo twelvo or fourtcen forts and redouhts are built.

The triangular bay opeuing to the north of these larhours forms the Cherbourg IVoads, which are capable of holding 400 large vessels,
have good holding-ground, plenty of water even at low tide, and are naturally well sheltered, except from the north winds. To protect the roadstead from these winds, as well as to defend that part of it which is beyond the range of the guns of the forts, a breakwater (digue) has been erected, of which we subjoin a notice taken from the 'Moniteur' on the completion of the work.
"The breakwater of Cherbourg is at present entirely terminated, and from the 1st of January 1854 it must rank amongst the constructions which require only to be kept in perfect repair. This gigantic work, commenced in 1783, suspended during the revolutionary tempest, resumed under the empire, suspended once more during the whole period of the restoration (1814-30), is at length terminated after 70 years' expectation and 41 of constant efforts. For a leugth of time the success of the nndertaking had been called in question; terrible disasters had at certain moments caused apprehensions to be entertained that the sea would remain victorious in this desperate contest against the boldest attempts of human genius; but at present every disquietude of that nature may bo set aside, and the only thing now remaining to be done is to consecrate the work of four generations. It is known that the project of the breakwater at Cherbourg was conceived by tho illustrious Vauban, who saw the necessity of our navy having in the channel a port accessible for the largest ships of the line, and after successive attempts it (the breakwater) has been established at about 4000 metres (nearly $2 \frac{1}{2}$ miles) from the entrance of the commercial port. Its length is 3700 metres i. e. 2 miles 536 yards (the breakwater at Plymouth is only 1800 metres, or 1 mile 208 yards, in leugth), and it presents a relief of upwards of 20 metres ( $65 \frac{1}{2}$ feet) above the bottom of the sea; 2000 artificial blocks, each of 20 metres cube, of $44,000 \mathrm{kil}$. (nearly 44 tons) in weight defend against the waves the foundation of the extreme musoirs (or points of the breakwater). The last one and twenty years of this admirable work have been cxclusively employed in the construction of the wall in masonry, which has 10 metres 50 centimetres ( 34 feet) of height above low. water mark, and above the level of the foundation of the musoirs of the two extremities, of the central fort, and of the intermediate fort. The expenses since 1783 up to the present time have amounted to $67,300,000$ francs. The law of June 25,1841 , had appropriated to the completion of the breakwater an extraordinary credit of 18 millions: but owing to the caro with which the money of the stato has been administered, a saring of nearly $1,500,000$ francs has been effected out of that sum. Thus a bay previously formidable to sailors offers at present $\Omega$ sure refuge to the largest vessels in the most violent tempeats, and the fleets of France could find there a shelter against the sea and the enemy; it is at the same time a safo asylum open to the commereial shipping of all maritime nations."

The breakwater extends with a slight curve (the convex side towards the north) between Isle-Pelee, on the eastern side of the Bay of Cherbourg and a ledge of rocks called La Roche Chavaignac, which stretch out into the sea from the western shore of the bay. The entrances to tho harbour, at each extremity of the breakwater, are about 1000 yards wide; the enstern one commanded by strong forts on Isle-Pelce and on the eastcrn end of the breakwater, and the western entrance by similar forts on the western end of the breakwater and on La Rocho Chavaignac. A large and important fort (Le Fort Central), built on the centro of the breakwater, commands all the interior of the harbour, and is capable of commanding respect to a good distance outside of it. Opposite this central fort are the forts and batteries above the naval harbour. On a ridge of rocks at the cast end of the harbour, not far from Isle-Pélée, and exactly facing the enstern extremity of the breakwater from the south, is the Fort des Flamands, a third and formidable guardian of the enstern entrance; and a corresponding additional defence of the western entrance is found in Fort Querqueville, which is erected on the coast to the west of La Roche Chavaignac. The fortified arc of coast round the harbour of Cherbourg is little short of eight miles in length; the chord drawn from Fort Querqueville along the breakwater to the eastern coast is rather more than half that distance. At its base the width of the breakwater is 99 yards, on the summit 33 yards; and the depth of water about it varies from 36 to 45 feet. In the central fort there is a lighthouse 65 feet high, in $40^{\circ} 40^{\prime} \mathrm{N}$. lat., $1^{\circ} 37^{\prime}$ W. long. ; there are lighthouses also on the fort in Isle-Pelee and on Fort Querqueville, and tho harbour is said to be the best lighted in the Finglish Channel.

Cherbourg is a placo of considerablo commercial activity. The principal industrial articles are cotton-yarn, hosiery, refined sugar, sorla, of which about 12,000 tons are produced annually in the neighbonrhood; chemical products, and leather. There are also dye-houses, large provision-stores, and a lacefactory, superintended by four nuns, which gives employment to 350 females, 150 of whom are young girls instructed in the process of lace-making. The exports consist of the articles named, and of butter, eggs, peas, vegetables, provisions, cattle, slates, \&c.; the imports of coal, fr, hemp, and flax, for the use of the navy, groceries, wine, iron, de. The town is an cntrepot for colonial produce and salt; several vessels belonging to the harbour are engaged in tho Newfoundland fisherics. Cherbourg is the residence of a maritime frefect; has tribunals of first instance, commerec, aud naval affairs; and posscsses a school of hydrography, an acadomical society, and a college. A railroad is rapidly approaching completion from the

Paris-Rouen line to Cherbourg through Caen. Electro-telegraphic wires have been for a considerable time laid down betwecn Cherbourg and Paris.
(Dictionnaire de la France; Macgregor, Statistics; Paris Moniteur ; Letter from Cherbourg.)

## CHERITON. [Gramoroanshire.]

CHEROKEES, the name of one of the native Indian tribes of North America. The remaining body of Cherokees now inhabit the district situated between $36^{\circ} 10^{\prime}$ and $37^{\circ} 2^{\prime} \mathrm{N}$. lato, extending West from the boundary of Arkansas state, in $94^{\circ} 40^{\prime}$ to about $100^{\circ}$ W. long., and containing in all about 16,000 square miles. The number of the tribe is now about 28,000 . The district of country occupied by the Cherokees forms part of the Indian territory appropriated by the United States for the residence of the various communities of native Indians, each tribe occupying a distinct territory, and being governed by its own rulers, under a separate constitution. About a century ago the Cherokees formed a numerous and powerful nation, which was in possession of the southern portion of the Appalachian Mountains and the countries on both sides of the range, so that their hunting-ground extended over a part of the states of Tennessee, North and South Carolina, and Alabama, and over nearly half the state of Georgia. After a British colony had been settled in Georgia (in 1732), the native tribes began to lose ground. The Cherokees however maintained their footing for a long time, even after these countries had obtained their independence. Since 1790 they have sold differeut portions of their territories to the government of the United States. In 1816 they ceded the country still possessed by them within the state of South Carolina, and some districts in Georgia and Alabama, receiving in consideration of this cession, besides presents and annuities, a tract of country of equal extent west of the Mississippi, to which some families emigrated. They afterwards removed to their present abode in the far west.
The Cherokees are considered the most civilised of the American Indians. They have made considerable progress in agriculture and domestic manufactures, and in tho rearing of cattle. They manufacture salt from brine springs, which are numerous in the territory. The cloth required for use by thenselves they make, and also such agricultural implements as are employed by them. They have been able of late years to export a considerable amount of produce to New Orleans. They chiefly cultivate cottou and Indian corn. They have a written language; the alphabet, which was invented by a native Cherokee, consists of eighty-five characters. Their language is derived from the same source as that of the Creeks, Chickasaws, Choctaws, Pasiagoulas, and some other tribes; and as all these tribes lived in the neighbourhood of Florida, thesc languages have obtained the name of the Floridian languages.
The Cherokees have a written constitution, embodying the forms of republican government, The chief or governor of the tribe is elective; he is assisted in the administration of affairs by a general council, elected annually. The general council consists of an upper and a lower house, somewhat corresponding to the Senate and House of Representatives of tho United States. There is also a judiciary, observing all the legal forms prescribed by the legislature. The English language has been very generally adopted, and London and Parisian fashions in dress are followed to a considerable extent. The Cherokecs receive from the United States government an annuity on account of the lands formerly possessed by them on the east side of the Mississippi River. Christian missionaries of several denominations have laboured amongst the Cherokees with considerable success. Education has made good progress amongst them, and the school system maintained by the tribe is in a very efficient statc.
CHERSON (pronounced Kherson), or Nikolajeff, a government of European Russia, lies between $46^{\circ} 12^{\prime}$ and $49^{\circ} 4^{\prime}$ N. lat., $29^{\circ} 10^{\prime}$ ard $35^{\circ} 5^{\prime}$ E. long. It is bounded N.W. by Podolia, N. by Kieff, N.E. by Pultawa, E. by Ekaterinoslaf, S.E. by Taurida, S. by the Black Sea, and TV. by Bessarabia. The area is 28,186 square miles: the population of the province (excluding Odessa, which contains 75,900 inhabitants) is 766,500 . Its extreme length from east to west is about 250 miles, and its breadth from north to south about 100 miles for one-third of the length from west to east, and for the other two-thirds almost 130 miles. The province, which consists of an immense plain, lies between the Dnieper and the Dniester. A branch of the Dnieper range traverses it for a short distance on the north-east, and on the south-west a small chain belonging to the outskirts of the Carpathians runs into the country from Podolia. It is only on the north-west and uorth-east borders that there is some wood, and in the neighbourhood of Elizabetgrad there are considerable forcsts. The rest of the country is a steppe, beginning at Mirgorod and extending across the whole province, where scarcely a tree is to be scen; the soil is however covered with a luxuriant vegetation of grasses and other plants. In the interior the soil is a gray clay mixed with sand, which is not very well adapted to agriculture, but produces the richest pastures. The Black Sea washes the south of the province from the Dniester to the Dnieper. The principal rivers are the Dnieper and the Dniester, of which the latter forms the boundary betweon Cherson and Bessarabia. The courso of the rivers in the whole province is exceedingly slow, and their water bad. Thero are very few wells of fresh-water. The climate is very variable; in summer tho heat is from $85^{\circ}$ to $90^{\circ}$ of Falurcuheit.

Thunder atorms of tremendous violence nomotimes occur. The nlghts aregenerally cool. The winter is very cold: most of the riven freeze over, though but for a short time ; and uot alwayeso much an to bear a man The ground, when by great labour it is cleared of the roots of the grase, and when the anlepetre, whlch generally appoare when the surface is bare of vegetation, is gat rid of, will produce from ten to twenty fold. But the inhabitants dialike agriculture, and prefer the breeding of cattle, no that they never raine com enough for their own consumption. Almost every two years ewarms of locnste desolate the country, but they seldom come farther than Cherson, about seventy milem up the Dnicper. lleup and flax are grown for domestic consumption. Tobseco, mustard, and maffron are articles of commerce. There aro several varieties of the vine. The bank of the rivers, especinlly of the Dnieper, aro covered with strong reeds, which are used both for thateh and for fuel. Of tame animals the most common is the sheep. The wool of the native hreed is rather coarse, hut great numbers of Meriuon have been lately imported. Oxen and buffaloes are nnmorous, and used for draught; the horses (of which many are wild) aro alight, but very apisited and swift-footed. Wild suimals of all kinds abound, eqpelally wolves and wild-cats. The fields are corered with hustards, gmay partridges, ortolans, snipes, \&c. Besides locusts the country is infentod by large rats, which como from Taurids. There ane great numbers of water aud other snakes, scolopendre, whosa hite is as venomous as that of the tarantula, incredible numhers of lizards, and swarms of gnate. The fisheries on the sea-const and in rivers are very important. Tho minerals ane-fine potter's clay, freestone, slate, chalk, talc, saltpetre, agates, and garnets. The manufactures are of little importance; the chief are carried on at Odessa. The province is happily situated for trade. The foreign commerce of the country, which is very important and rapidly increasing, will be best deseribed under Odessa, which, though founded only in 1796 by the Duke of lichelieu, is now the staple place for the commerce of all Southern Russir [ODpssa.]

The other towns whlch require notice here are Nikolajeff, Elizabetgrad or Elizavetgrad, and Cherson. Nikolajeff, populatiou about 12,000 exclusive of the suburhs, is situated near the confluence of the rivers Bug and Ingul. These rivers by their junction below the town form a spacious wastuary, in which the luasian Black Sea fleet usually rendezvous during winter. The town covers an extensive area, the houses belng in general only one story high, with large plots of ground attached to each dwelling, and the strcots being of great width. There are here cxteusive dockyards, with improved ship-huilding machinery, nearly all of which is English; an observatory, the governor's house, and barracks for seamen. The Boulevard near the river is covered with shrubbery to the river's brink. Nikolajeff was founded in 1790 , and is inclosed by walls. The chief hnildings in tho town are the cathedral, the town-hall, the admiralty. house, with musenms and library, schools for pilots and for the dnughters of moldiers, and several hospitals Elizabetgrad, or Elizaretgrad, population abont 10,000 , the chief town of the circlo of the mane name, is situated in a beautiful plain on the banks of the river Ingul, about 130 miles N. from Cherson. The town which was huilt in 1754 is hexagonal in shape, and is defended hy six bastions. Besides a large arsenal within the walls of the town, there ary four wuburbs. The whole is regularly built; the streets are straight, and of considerable width, and are planted with avenues of trees In the town are five churches, a large hospital, and numerous magnzines. Many of the inhabitants are of Greek or Servian origin, hut the majority are Rostolnickn, who ohserve the rites of the primitive Russo-(ireek Church. Much traffic is carried on in tho produce of the surrounding districts. Thero is considerable commercial intercourse with Poland and Moldavia An annual fair, the largest in the province of Cherson, is held at lilizabetgrad, and is attended by many thowand dealers. Upwards of 30 windmills are in the vicinity of tho town. Elizabotgrad ls the head-quarters of the military colonles on the cast alde of the river lug, and has therefore the coustant preaenco of numerous cavalry. Cherson, founded in 1778 , is on the riglit lank of the Llendn, or sostuary of the Dnieper, which is here nearly four miles wide, when its numerous shoals are covercd with water. The want of suffelent depth of water for the constant pannge of large shlps has fruatrated the objoct contemplated in founding this place. it is now a town of littlo importance, with a comparatively smanll number of inhahltants. The cathedral contains tho tomh of Potemkin, the founder of tho town. The small amount of trale carriod on In tho town is in the hands of tho Grecke, who lnhabit the Greck anhurb. One of the aljacent villages, called 1/auphigny, contalns a monument erected in honour of Johu lioward, who diel here $\ln$ 1:96.

The lahabitants of the province of Chernon consint of Great Russians, Little Ifuminns (among whom aro many Cossaks), Polen, Moldavians, Jnacinn, Bulgarian, T'urtars, Greekn, Armeniann, and Jows, all settled; even the Comaks of the Bug have renounced their nommio life, follow -griculture, and have fxed habilationg, Thore are in this government numerous foreign colonints, chlefy Cerman, dispersed in fifty or sixty colouies, and pomeaning in all about 60,000 acres of land. There are almo a great many gipmica. The Greek Chrintlnsa are under the archlishop of Fikaterinoulaf, Chermon, and Taurida, who resides at Ekaterinotar, when his cathedral is. In Cherson he has 367 parishen.

CIll:RTSEY, Surrey, market-town and the seat of a Poorlaw Union, in the parish of Chertsey and second division of Godley hundrocl, is situated in $51^{\circ} 24^{\prime} \mathrm{N}$. lat, $0^{\circ} 30^{\prime} \mathrm{W}$. long. ; distant 18 miles Ň. by En from Cuildiord, 20 miles W:S.W. from London by road, and 22 inilew by the South-Western railway. The population of the town in 1851 wan 2743. The living is a vicarnge in the archdeaconry of Surrcy and dioccae of Winchester. Chertacy Poor-haw Uulon contains 9 pariwhes and townsblpa, with an area of 41,408 nerea, and a populatiou in 1851 of 16,118 .

Chertecy standa on a slip of low land between the Thames and the brook which inues from Virginia Water, lence its Anglo-Sason name Ceortes-lisye, or Ceart's lsle. A monastery was founded here in $660^{\circ}$ by Frithwaldo, governor or sub-regulus of Surcey, under Wulfhere, king of Mercia. In 964 King Edgar refounded the monastery for Beuedictine monka. Subeequently it became a very wealthy and poworful estahliahment Of the abbey buildinga ecarcely a fragment is now left.

The parish church, a brick building situated in the eentro of the town, was, with the exception of the chancel and tower, rebuilt in 1806. There are chapels for Wesleyan Methodists, Iudependents, and Baptista An educational foundation, producing about 100 l per annum, providen instruction for 130 boys and 130 girls, of whom 30 of each ses, belonging to the parish of Chertsey, are clothed as well as educated. There are National schools for boys and girls, an Infan school, a literary and scientific institution, with reading-room and lecture-room, and a savings bank. An agricultural society is majutnined here. A county coust is held in Chertsey.

At Chertsey is a stono bridge of seven arches, built in 1785 , counecting the county of Surrey with that of Middlesex. The town of Chertsey is irregularly huilt: the principal street rums east sud west; the streets are pared, and are lighted with gas. The markek house is modern. The chicf trade of the town is in malt and flour; vegetables are raised in considerablo quantities in tho vicinity for the supply of the London markets; bricks are made to some extent The market is on Weduesday for corn aud provisions: it is a cousiderable market for poultry. Fairs are held on the first Monday and Tuesday iu Lent for cattle, on May 14th for sheep, and ou August 6th and September 25th. A branch of the South-Western railway, three miles in length, goes to Chertsey from the main line at Weybridge. The Porch House, is Quildford-street, Chertsey, was the residence of the poet Cowley. On St. Anne's Hill near the town was the residence of Charles James Fox. In tho church is a tablet, erected by his widow, with an inscription to his menory.
(Manuing, Surrey; Brayley, Surrey; Communication from Cherlsey.)

CHESAPEAKE BAY. [Maryiand; Virginia.]
CHESHAM, Buckinghamshire, a market-town in the parish of Chesham St. Mary and hundred of Burnham, is situated to the righ of tho road from London to Aylesbury, iu $51^{\circ} 12^{\prime} \mathrm{N}$. lnt., $0^{\circ} 37^{\prime}$ W. long., distant 12 miles S.E. from Ayleshury, aud 26 miles N.W. from London by rond. Berkhamstend, which is 5 miles from Chesham is 28 miles from Jondon by the North-Western railway. The popu lation of the town of Chesham was 2496 in 1851 . The living is a vicarage in tho archdeaconry of Buckingham aud diocese of Oxford.

Chesham is situated in a pleasant and fertilo valley which is watered by the river Chess, a branch of the Colnc. Tho parish church is a commodious cruciform huilding: the chancel, which in the oldest part, is of the decorated style, the remainder is perpendicular, of the close of the 14 th century. There are chapels for Indepeudents and Baptists; National, British, and Infant schools and a mechanics instituto. Au almshouse for four poor persons was endowed hy Thomas Wedon, who diod in 1624. A county court is held in Chosham. Markets are hold on Wednesday and Saturday, and fairs on April 21st, July 22nd, and September 23th. Boots aud shoes are manufactured to great oxtent, chiclly for tho Louden market. Wooden ware in great varicty is made. The manufacture of straw plait employs a considerable number of females. There is a silk-mill in the town; and in the neighbourhood are paper-mills,
(Lysons, Magna Britannia; Llpscomb, Buckinghamshire; Communication from Chesham.)

CHESIIREE, a county palatino on the west side of England. The name is fornned from the ancient city of Chester, and is an abbreviation of Chestershire, formerly written, in Sayon, Cestre scyre. The boundary line is very lrregular. On the north-west a tract of a poninsular form is lncluded between the astuarics of the Memey aud the Deo; and on tho north-east a long narrow tract, containing part of Featherbed Moss and Holme Moss, which belong to the contial highlands of Eingland, is Included between the Thamo and the litherow, whlel! by thelr junction form the Morsoy. Tho county is mid by some writers to be "like the wing of an eagle stretched forth at length." (Klng's "Vale 1Royal of Cheshire.') Tho whole county recoived tho name of Valo Roynl of England, from the magniflcent abbey so called, which was fonnded by Edward 1. on the Weaver. Choshire lies between $52^{\circ} 60^{\prime}$ and $53^{\circ} 34^{\prime} \mathrm{N}$. lat., $1^{\circ} 47^{\prime}$ and $3^{\circ} 11^{\prime} \mathrm{W}$. long. Its northern boundary is chiefly formed hy Lancashire, and partly by Yorkmire and the Irish Sea. The Nerney forms the bouudary botween Chewhire and Lancashire. Ou
the E. tbe county bas Derbyshire and Staffordshire; on the S. is Shropshire and a small portion of Fintsbire; on tbe W. are Denbighshire, Flintshire, and the Irish Sea. The greatest length of the county from north-east to south-west, in a straight line, is about 58 miles; tbe greatest width from nortb to south about 32 miles: the wbole circuit is nearly 200 miles. On tbe nortb-western extremity, a line of sea-coast extends for about 8 miles from east-nortb-east to west-south-west, besides about 20 miles on the æstuary of the Mersey, and about 14 miles on the great restuary of the Dee. Tbe area of the county is 707,078 statute acres. Tbe population of the county in 1841 was 395,660 , in 1851 it was 455,725 . Cbester, tbe county town, is 183 miles north-west from London.
Surface, Hydrography, and Communications. - Tbe surface of Cheshire is in general a nearly uniform level, but tbere are a few inequalities. Several elevated tracts stretcb in a generally nortbern direction. One is between tbe Goyt and the Bollin; and a second between the Bollin and the Weaver. A tract of high land extends also from north to soutb, across Delamere Forest, terminating to the north near Frodsbam in a bigb promontory wbich overlooks tbe Mersey, and to tbe soutb in tbe rock on which Beeston Castle stands; tbe beigbt of tbis rock is 366 feet above tbe sea. Alderley Edge, a few miles nortb-west from Macclesfield, is an isolated hill wbich rises abruptly out of a level couutry, and presents one of the richest and most extensive prospects in the county; but Cbesbire, from its general fatness, is not commonly remarkable for picturesque beauty. In former times tbere were numerous forests in Chesbire; one is mentioned in tbe Domesday Survey of Alticross as being 10 miles in length and tbree miles in breadth. At present there are only a few large woods. Some at Dunbam Massey contain many noble old oaks. Around Delamere Forest, in the bundred of Eddisbury, are several extensive plantations, cbielly of Scotch firs and larches. This forest, so called, is a large sterile tract of whitish sand, partially covered witb heath and peat-moss. It occupied 10,000 acres; of wbicb a considerable part bas been inclosed and brougbt into cultivation. Tbe timber supplied by tbe great profusion of bedge-row trees is principally oak, and furnishes abundance of tanner's bark. A large quantity of fine timber is also produced on the numerous estates of tbe nobility and gentry; especially on tbose of tbe Marquis of Westminster, of tbe Earl of Stamford aud Warrington, and of the Marquis of Cholmondeley.
Cheshire abounds not only witb rivers and brooks, but with broad sbeets of water called meres, which gencrally contain fish. Thc principal are Oak Mere, Pick Mere, Budwortb Mere, Rostbern Mere, Mere Mere, Tatton Mere, Chapel Mere, Moss Mere, Broad Mere, Bab Mere, and Comber Mere, whicb is tbree-quarters of a mile in lengtb.
Tbe chiof navigable rivers are tbe Dee, the Mersey, and tbe Weaver. The navigation of tbese rivers is superintended, and has been greatly improved, by companies incorporated by Acts of Parliament. Tbe source of the Dee is in Merionethshire; whence it runs tbrougb Denbighsbire, by Llangollen to near Overton in Fliutshire, wbere it turns nortbward to Bangor Iscoed. It becomes the boundary of Cheshire nearly from Worthenbury to Aldford. It then intersects the nortbern part of tbe bundred of Brostou to Chester, wbieb it bnlf encircles. From Cbester it flows in a straigbt artificial cut into tbe æestuary of tbe Dee. A surface of about 2500 acres has been reclaimed from tbe soutb-eastern extremity of tbis æstuary. From Bangor bridge tbe Dec is navigable for barges. At Chester bridge it is 100 yards wide, and vessels of considerable tonnage can pass by the new cbannel to Cbester. The whole lengtb of tbe course of the Dee is about 55 miles. It supplies salmon, trout, and otber kinds of common fish. This river, called in Latin Deva, in Welsb Pifir dwy, was auciently beld in great veneration, and its waters were considered sacred for religious ablution: as such it is celebrated by Drayton, Browne, Spenser, and Milton.

The Mersey in its wbole course divides Cheshire and Lancashire. It is formed and first receives its name by tbe confluence (near Stockport) of tbe Thame and Goyt; the Etherow (wbicb joins tbe Goyt a little above Stockport) and the Thame rise in the central highlands, nortb and nortb-east of Stockport ; tbe Goyt rises near Buxton on tbe cast side of the highlands between Macclesfield and Buxton. Leaving Stock port, the Mcrsey runs a general weat course to Nortbenden and Asbton. After passing by Carrington, it receives on tbe rigbt bank tbe Irwell from Mancbester, and on the left, a little below Warburton, tbe Bollin. It continues witb a very winding course tbrough a low, flat country past Warrington, and expands at its junction witb tbe Wearer into a wide æstuary which forms tbe Liverpool channel ; and tbougli much obstructed witb banks of sand, is rendered safe by the excellent system of pilotage. Tbe Mersey is navigable from its confluence witb the Irwell. At Warrington it is 40 yards in widtb; opposite Liverpool tbe width is a mile and a quarter, witb a considerable depth at low water. The grcatest widtb of tbe wstuary above Liverpool is between Eastham and Frodsham, wbere it is above three miles wide. Its wholo course from Stockport to the outlet of the sastuary is about 65 miles. A large marsb at tbe confluence of tho Weaver, extending to IIelsby and Frodsham, is subject to occasional inundations. Tbe river and wetuary contain congers, plaice, flouuders, and shrimps; with annual sboals of smelts, called sparlings, remarkable for size and flavour.

The Weaver traverses the central parts of Cbeshire from soutb to nortb. It rises iu tbe north of Sbropshire, near the village of Stych, and after receiving several considerable brooks and rivulets, runs by Nantwicb, Minsbull, and Winsford, to Nortbwicb, wbere it forms a confluence on the right bank with tbe Dane, wbicb rises in tbe same swamp as the Goyt, and a little fartber nortb, with tbe Peover. It then winds west-nortb-west and falls into the Mersey below Frodsbam. From Winsford to Frodsham it bas been rendered navigable by ten locks, tbe total fall being 50 feet. Vessels of from 20 to 100 tons convey rock-salt down tbe river and return with coal. Tbe wbole course of tbe Weaver is about 40 miles. Among tbe less important rivers is tbe Dane, wbicb is joined by tbe Wbeelock above Northwicb. Tbe source of the Bollin is in Macclesfield forest, near tbat of the Dane. It passes Macclesfield and Wilmslow, is crossed by tbe Bridgewater Canal, and enters tbe Mersey near Warburton, after a course of about 23 miles. Tbe Peover rises soutb of Macclesfield, near Gawsworth, and flows west-nortb-west to its junction with tho Weaver near Nortbwicb.

Several canals intersect tbe county. Tbe Bridgewater Canal enters Cheshire by crossing tbe Mersey near Asbton: its lengtb witbin tbe county is about 24 miles. Tbe Grand Trunk, or Trent and Mersey Canal, whicb was commenced in 1766, runs soutb-east from Preston Brook, by Nortbwicb, Middlewicb, and Saudbacb, and leaves Cbeshire at Churcb Lawton, ou the borders of Staffordsbire. Between Preston-on-tbe-Hill and Dutton, not far from its commencemeut at Preston Brook, it passes through a tunnel 124 yards in lengtb; at Barnton, througb another of 572 yards; at Saltersfield, tbrougb one of 350 yards; and finally, at Hermitage, through anotber of 130 yards. Tbo whole of its line in Cheshire is about 20 miles.

The Cbester and Nantwicb Canal, which connects these two towns, was completed in 1778. At Cbester it forms a junction with tbe Dee, and with tbe Dee and Merbey Canal, which runs across tbe peninsula of Wirrall to tbe Mersey, at Ellesmere Port. Four miles north of Nantwich a branch from tbe Cbester and Nantwich Canal runs to Middlewich, and is called tbe Middlewich branch. From tbe point where tbe Cbester and Nantwich Canal and tbe Middlewich brancb unite, the canal whicb thence runs soutb to Nantwich and past Audlem into Shropshire is called the Birmingbam and Liverpool Junction Canal. The Ellesmere Canal brancbes off from a point between Nantwicb and tbe point where tbe Chester and Nantwich Canal is joiued by the Middlewicb branch, and runs to the neigbbourbood of Whitchurch. From Cburcb Lawton the Macclesfield Canal runs past Congleton, Macclesfield, and so on nortbward to tbe Peak Forest Canal, wbich it joins a few miles nortb of Disley.

Tbe Peak Forest Canal enters Cbesbire at Asbton-under-Line, wbere it crosses tbe Thame, and passing near Disley, quits tbe county at Whaley Bridge. It crosses tbe Goyt below tbe junction of tbe Goyt and Etberow, by an aqueduct 100 feet in beight, whicb bas three arcbes, eacb 60 feet span and 78 feet high.

Several important roads traverse tbis county. Tbe road from London to Manchester by Derby enters tbe county near Bosley, and passes through Macclesfield and Stockport. Another brauch of the same road enters at Wbaley Bridge and leaves tbe county at Stockport. Tbe road from London to Manchester by Licbfield runs by Cburch Lawton, Congleton, Wilmslow, and Cheadle. The road from London to Liverpool enters Cheshire at Lawton, and runs to Warring. ton by two brancbes, one tbrougb Knutsford, the otber through Middlewicb and Nortbwich.

Cbesbire is well provided witb railway accommodatiou. Tbe main hine of tbe London and North-Western railway euters tbe soutliern border of tbe county a few miles from Betley, and passes nortbward nearly tbrough the centre of it towards Warrington. Tbo length of tbe main line in Chesbire is about 27 miles. At Crewe several branches diverge from it. One runs 21 miles uorth-west to Cbester, and tbence 15 miles to Birkenbead. Anotber line runs from Crewe 23 miles nortb by east to Stockport. Anotber brancb, of wbicb only a few miles are in this county, runs west from Crewe to join tbe Staffordsbire railway near Burslem. From Cbester tbe Cbester and Holyhead line runs westward, but it soon passes out of tbe county, as does also tbe Cbester and Shrcwsbury line, whicb runs sonthward from Chester. A short line from Mancbester to Altringbam belongs to Cbeshire for about balf its extent.
Geology, Mineralogy, dec.-Tbe general claracter of the Cheshire soils is a clayey or sandy loam; tracts of peat-moss cover a large extent of tbe eastern portion of tbe hundred of Macclesfield. Some mosses of smaller extent are at Warmincbam and Coppenball. The latter, whicb has been almost cleared of peat, contained numerous trunks and branches of trees, chiefly of oak, beecb, and fir, apparontly brokeu off at different beigbts, and partially exhibiting the marks of fire. An ancient road of gravel passed tbrough tbe moss of Coppenball.

Cheshire generally belongs to tbe new red-sandstoue formation. Tbe range of higb land to tbe east of Macclesfield is a sandstone rock, whicb contains beds of coal: this sandstone range is bounded on tbe east by tbc limestone of Derbyshire. Tbe high laud, which includes Delamere Forest, is also sandstone. The most important mineral productions of Chesbire are fossil or rock-salt, and coal. The rock-salt is obtaiued near tho banks of thic Weaver aud its tributary streams. It
was Erret diucovered near Northwich, in $10 \% 0$, in searching for coal; it has since been found rery abuadantly in the townships of Witton, Winobarm, Wiunington, and Marston, near Northwich. There are -alt-works alno at Siantwich, Middlowich, and Winsfund. Tho malt is of two kinds, the ono white and transparent, the other roddiah-brown. Tho former has been found by analyuis to be an almout pure muriato of mada; the latter contains a small portiou of oxide of irem, from which its colour is derived.

The principal mall-works ano in the neighbourhood of Northwich, whero there aro mines, iu aldition to brino-priags. The rock. malt is found from 28 to 48 yands beneath the surface of the earth. The firat stratum is from 15 to 25 yards in thicknem, oxtremely molid and hand, and romembling brown sugareandy. Many toms at a time are loosened by blating with guppowder. The second stratum is of hard stone, from 25 to 35 yarls in thiokness. Tho salt lie beneath the stratnm, in a bed aboro 40 yarie thick, gencrally quito white and cloar as cryenl. The external surfice above these strata is of whitish clay ani gypsum. Tho quantity of malt annually taken from the pitm around Northwich, amounts to many thousand tons; besirles this quantity of fossil salt many thonsand tons are annnally manufnctured at the anoue place from brine-spriugs, which are from 20 to 40 yards in depth.

Coal of a good quality is found in great abundance in the north-enst part of the county, especially in the townships of Worth and Poynton, where there aro very oxtensive collieries, which supply the manufactories of Stockport At Denwell, in the hundred of Wirrall, there is also coal. Copper and lead ard found at Alderloy Edgo and the Peckforton IXilla; the former place supplies a considerable quantity of cobalt. There are noveral quarrics of excellent freestons in this county, of which those at luncorn, Manler, nud Great Bebbington, are the inost important. Lirnestone is found only at Newbold Astbury. Mowcup Hill, or Molecop, which is partly in Staffordshire, has loug been frinous for its mill-stones. Marl is found in almost cvery part of the county, and is generally used for manuro. Dr. Woodward ('Cat. Brit. Fossils') speaks of a fibrous stalky substance, a kind of asbestos, as found in great abundance in beds of marl about High Loigh.
Climate, Soil, Agriculture-The soil and climate of Cheshire are peculiarly well adapted for the growth of grass. The soil is mostly composed of loams of various degrees of tenacity; the climato is mointer than tho more eastern parts of Eugland. Situated in an extensive plain betweeu the Derbyelire and Wolah mountains, Cheshire is seldon exposed to long droughts. The low mendows along the bunks of tho rivers are very snbject to le llooded, which is one reason for keeping them in grase. I'wo-thirds at least of the county possess a soil bove mediocrity, of which the greater part is in permaneut pasture, and produces the excellent cheese known as Cheshire cheese. The amble land is generally that which is thought too saudy for pasture, or of which the grass has deterionted by neglect. lience the arable part of a farm in Cheshire is acldom cultivated with that attontion whicl is paid to similar land in thozo counties where good gras land is scarce. Very few farms cousist chicfly of arable land. Everywhere there is a predilection for the dairy.

Dairy farma require conaiderable buildings, and some have been erected by wealthy proprietors in the best and most substantial manner. The liabitatious for the family are quite snfficient for their comfort. Many of the cow-houses are constructed on the Dutch plan. Large farmas are not common in Cheshire. The average size may be considered as from 50 to 150 scres, that quantity being sufficient for the full employnucut of a family, and for a dairy of 12 to 20 cows. The reut of land is higher than that of the same quality in other parts of Eingland, which is owing to the smaller outlay with which a dairy farm in managed. Tho effect of the dairy husbandry may be observed all through the county. Land is ploughed in order to have winter fodder for cattle, and to improvo pastures overrun with weeds. Where the land is fit for turnips, which is uot often tho case, they are raised for the cows. Cabbages have been cultivated with some euccess on sovernl farma. The cultivation of potatoes has been much encouraged in Cheahire, to supply the demanda of Liverpool and the manufncturing districte. The andy and turfy moiln, which are unfit for permancat pasture, ane peculiarly fittod for the growth of potatoes The beut potatoee grow on land broken up from grass, which had been laid down in a rich state; in this case no manure is required. Enrly gorts are raised for the Llverpool market by a alight forcing. Many farme lave littlo or no arable land attached to thom. A very rich lonu in mot considered no good for pantures where cheese is made, as one ien fertile, as lt hapt to make the chese lieave. The natural gremen fuund in the good paturom aro chiofly of tho kinds which have been mont approved of for mowling when amble land in laid down to gram, mamoly, Poa pratenuis, Poa brivialis, Festuca pratensis, or, on mady lowns, $A$ whoxanthum odoratum.

Dmining han been introduced extennively, and with the bost effect. The abundance of marl found ln Cheshire is one of the chicf means of lmproving the poor moilm Marling is a permanent improvement. Lime, and aloo sand, are put upon strong henvy lauds to ameliorate the texture. In the neighbourliood of the malthines refuse salt has been succemfnily uned for mamure.

Beades the making of Cheahiro checse, the diniry occupations
include the making of butter, which is made from the cream or from the whole milk allowed to congulate and become sour. Good butter may bo obtnined In either way; lut that mado from froab eream is alway the beth An iuferior butter is mado from tho croam which risem on the whey.
Dirisions, Tonens, dec- When the Domonday Surrey was made, this county, excluaive of the lands betwoen the İihblo and the Mersey, now a jart of Lancmehiro, though theu considered a part of Chenhire, was divided into twoive hundreds. The modern hundreds are: Wirrall on the north-went of the county; lhucklow and Macclesfeld, on the worth and northeast; Northwich and Eddisbury, in the centre ; Ninntwich and liroxton, on the sontl.

Thoreare 14 market-towas beaiden Chester:-namely, Altrisgiay, Brkewarad, Conoleton, Frodalam, Ksutarord, Macchasfeld, Malpas, MiddLewtci, Nantwich, Nontuwich, Ruscons, Sasibach, Stocaport, and Tarporley. Frodsham, Malpas, and Tarporley, with the more receutly fouuded town of llyde, may be noticod here: the other towns will be found under their several namea.
Frodsham, formerly a market-town, 10 miles N.E. from Chester, population of the town 2099, is atill a place of come local importance, although the markot has been long given up. Salt constitutes tho chief article of trade, but there are flour-mills, and timber, coalo, and slates aro dealt in. A sandstone quarry is worked. The church is partly of Norman date. There is a chapel for Wealoyan Methodists. The Free Grammar school has an income of 45l. a year, and had 120 scholars in 1852 ; there is also a National school.

IIyde, population 10,051 , a manufacturing town, recently a rillage, forming part of the parish of Stockport. The extension of the cotton manufncture has cousiderably augmented the importance of this place. Coal abounds in the township, and means of convegance are furnished by the l'eak Forcst Canal and by milway. There are here a new church, a chapel of ease, dedicated to St. Thomas, and chapels for Independents and Wesleyan Methodists; National schooln for boys and girls; a public library, and a mechanics institute. lixtensive cotton-mills, iron-works, and water-works are in operation. A county court is held in Hyde.

Malpas, situated on an eleration near the river Doo, is 15 miles S. by E. from Chester: the population of the parish, which is partly in Flintshire, was 5710 in 1851. The parisl contains two rectorics, ono held with the curacy of St. Chad, and the other with the curacy of Whitwell. The church was formerly the chapel of a religious house for monks of the Cluniac order; it is huilt of unhown stonc, and cousists of a nare and chancel, without either aislo or steeple; it is partly of Norman date. There are also two chapela of ease, and places of worship for Indopeudeuts aud Wealeyan Methorlists; an Eudowed Grammar school which has an incomo from ondowment of 251. a year, and had 6 scholars in 1851; National and lnfant schools, and many charitable institutions. The town is irregularly built. The market is held on Wednesday ; there are fairs on April 5 th, July 26th, and Decenber 8 th for cattlo nud pedlery. Malpas is the birthplace of Matthew Heury, the commeutator on the Bible.

Tarporley, 10 miles E.S.E. from Chester, is a sinall market-town near leeston Castle, on the great road from London to Chester. Tho population of the parish of Tarporley in 1851 was 2632 . It was anciently governed by a mayor, but is now governed by a coustable. In 1642 a battle was fought at this place between Sir William Brereton's forces and the lioyaliats from Chester, who on this occasion were victorious. Tarporley is pleasantly situated, clean, and neatly huilt. It is now chielly known as the scene of au annuni foxhunt in November. The churel is an ancient structure of redelendstone: its interior contains several interesting mounments. Tho Weslegan Methodists and llaptists heve places of vorship. The town possessen a National school, some almshouses, and parochinl charities The inhabitants are employed iu the manufacture of stockings aud leather breeches. The anarket-hall is a commodious building. The market is on Thursday. There are fairn in May, August, and December.

Tho following are some of tho mone important villages, with the population in 1851 , and a fow other particulars. Except whero specially mentioned the population given is that of the parish:-

Acton, population 3165 , about 1 mile W. by N. from Nantwich, has as ancicut church. Tho Free Grammar school, founded iu 1662, has as inconse from endowment of $12 l$ a year; the number of seliolnss in 1852 was 8 ; there is aleo a National echool. Ashon-upon-Mersey, 31 ruiles N.li. from Chestor, population 2894, is a largo sentterod village, of which Crossstrect forms a part. The churoh is a aubstantial edifice; thero is a Wesleyran chapel. Audlem, population $28 \%^{\circ} 0$, about 7 mile S. from Nantwich, has a amall market on Thursdisy and a fnir in the month of July, both recently revived. Jesides the parish church, thero aro chapels for IRaptists and Wesleyan and l'rimitivo Methodists. The Free Grammar achool, founded in 1655, has an income from eudowment of 10 L , and had 12 acholara in 1851. There is also a National achool for girls. Beblington, 12 miles N.N.W. from Chenter and 4 miles S . from lirkenhead, consista of two villages, Higher and Lower lelabington: the population of the parish in 18.11 wan 500 S , in 1851 it was 10,016 , having doubled itself in the ten yeara Both villages arc on the line of the Chester and Birkeuhead railway. The parish church is partly of Norman and partly of carly Eugliah
date. Becston, 10 miles E.S.E. from Chester, population of the township, which is in the parish of Bunbury, 397, is celebrated for its castle, which has been already noticed. The ruins have a picturesque appearance, and a very extensive view is obtained from them. Bollington is an extensive village and chapelry in the parish of Prestbury, 40 miles E. by N. from Chester and 3 miles N. from Macclesfield: population of the chapelry 4655. The inhabitants are employed in cotton factories aud silk mills; there are also some collieries. The Macclesfield Canal passes by the village. There is a chapel of ease, erected at the cost of the late Mr. Turner. The Wesleyan and Primitive Methodists have places of worship. Bowdon, 29 miles N.E. from Chester, population of township 1164, is pleasantly situated on an elevation about 1 mile S. from Altringham. From the church tower there is a very extensive and pleasing prospect. The church is in part of Norman date. In it are some good monuments. There is an Endowed Grammar school. New Brighton, population included with that of Wallasey parish, 24 miles N.N.W. from Chester, is situated at the mouth of the Mcrsey. The village has increased rapidly in population within the last few years. Several large hotels have been constructed, and uumerous good villa residences. The beach is well adapted for bathing, and the sea views are very fine. By the steamer it is only 4 or 5 miles from Liverpool. Bromborough, 11 milcs N.N.W. from Chester, population 538, was formerly a markettown, but is now a place of little consequence. A statiou of the Chester and Birkenhead railway is at Bromborough. There was formerly an abbey here. The church is small but ancient. Great Budworth, population of the township 643, of the parish 17,990 , is pleasantly situated near Pickmere Mere and Budworth Mere, about 2 miles N. from Northwich. The parish comprises an area of 35,920 acres. Besides the parish church there are a chapel for Wesleyan Methodists, and Parochial and Infant schools. The Wilton Free Grammar school, founded in 1556, has an income from endowment which amounted in 1837 to 269l. a year. It is now conducted as a National school, the schoolmaster receiving only 751 , a year from the cndowment. Luglaucton, 34 miles E. from Chester, population of the township 2052, is a short distance from Congleton, with which town it is pretty closely connected. The inhabitants are chiefly cmployed in the manufacture of cotton and silk. A new church was crected here in 1829. Bunbury, 12 miles S.E.. from Chester : population of the township 931. The church is a very fine one of the perpendicular style. In the interior are several interesting monuments. The Wesleyan Methodists have a place of worship. The Free Grammar school, founded in 1594, is froe to children of the parish. The number of scholars in 1852 was 72 . There is also a National school. Burtom, population 467, on the right bank of the Dee æstuary, 9 miles N.W. from Chester, possesses a Free school with an income from endowment of 37 L, a year. Cheadle Bulkeley, population of the township 5489, and Cheadle Moseley, population of the township 2319, are two contiguous villages, about 3 miles W.S.W. from Stockport. The inhabitants are occupied in calico-printing and silk-weaving. On the Mersey are some corn-mills. The parish church, which is ancient, contains some good monuments. Compstall Bridge, 5 miles E.S.E. from Stockport, in the parish of Stockport, is a busy and populous village. The inhabitants are chiefly employed in cottonspinning and calico-printing. Besides the church, there are places of worship for Wesleyan and Primitive Methodists. Darnhall, population of township 186, about 8 miles W.S.W. from Middlewich, possesses an Endowed Grammar school, founded in 1631, which is free to 26 boys in Darnhall and Swanlow; the income from endowment is 70l. a year; the number of scholars in 1852 was 94. Disley, or Disley Stanley, abont 6 miles S.E. from Stockport, on the eastern border of the county: population of the township 2225 . Cotton factories and print works give employment to the inhabitants; there is also a large whiting factory. The chapel is of the perpendicular date and style. The Wesleyan Methodists have a place of worship. Eastham, $9 \frac{1}{2}$ miles N. by W. from Chester: population of the township 419. The village, which is pleasantly situated on the Mersey, is much resorted to by the inhabitants of Liverpool during the summer. A steamer plies regularly to Liverpool throughout the season. Ellesmere Port, in Eastham parish, 8 miles N. from Chcster, has risen into some consequence since the construction of a capacious dock and cxtensive warehouses by the Ellesmere and Chester Canal Company. Many good villa residences have been erected by the Marquis of Westminster. Besides a chapel belonging to the Establishment, there are a chapol for Wesleyan Methodists, and a National school. Gee Cross, about 4 miles E.N.E. from Stock port, is a populous village : the population is returned with the parish of Stockport. There are extensive cotton-mills here. Besides a chapel of the Establishment, there are chapels for Wesleyan Methodists and Unitarians. Godley, 45 miles N.E. from Chester: populatiou of the township, 1353. There are several cotton-mills. Halton, 14 miles N.E. by N. from Chester: population of the township 1570 . A castle was erected here soon after the Norman conquest; John of Gaunt, duke of Lancaster, possessed the castle, and resided much in it. A portion of the remains is now fitted up as an inn. Halton is in much favour an àsummer residence. The villago contains a Grammar school, also almshouses for six poor persons. Hazel Arore, 4 miles S. from Stockport, of which parish it is a hamplet. Till 1836 this place was
called Bullock Smithy. Wesleyan and Association Methodists and Inde pendents have places of worship. There are National and Infant schools, and a dispensary. The chief occupation is the weaving of silk and cotton. Holmes Chapel, or Church Holme, 24 miles E. from Chester : population of the township 555. The church consists of a nave, chancel, and aisles, and has an embattled tower with pinnacles. In the village are a Wesleyan Methodist chapel, and an"endowed BlueCoat school. Fairs for cattle and horses are held in April, October, and November. West Kirby, population of township 435, about 7 miles W. from Birkenhead, is situated on the shore of the Dee æstuary, near its outfall. There is here a Grammar school, founded in 1636, which is frec to sons of parishioners; the income from endowment is 58l. a year. The number of scholars in 1852 was 30 . Leftwich, 18 miles E. by N. from Chester : population of the township 2528. A Wesleyan chapel and an Infant school are in the towuship; salt-works and a tannery are carried on. Liscard, situated at the mouth of the Mersey, 4 miles N. by W. from Birkenhead, population of Liscard township, 4100 ; has a rather handsome church. Lymm, population 3156 , about 8 miles W.S.W. from Altringham. The church is ancient; the tower was rebuilt in 1521 ; from the tower is obtained an exteuded view of picturesque scenery. There is here a Weslegan Methodist chapel. The Grammar school, established in 1698, has an endowment of about 120l. a year, and had 100 scholars in 1851. There is also a National school. Lymin Hall, and other excellent mansions, are in the neighbourhood. A cross, the lower steps of which are cut in the rock, stands opposite the gates of Lymm Hall. Marple, population of the township 3558, is on the eastern border of the county, 5 miles E.S.E. from Stockport. All Saints church has been rebuilt; in the tower are placed the old bells of Stockport church. There are chapels for Wesleyan and Primitive Methodists, a Grammar school, aud a National school. Cotton-spinning, bleaching, and calico printing are extensively carried on ; there is also some boat building. On the river Goyt are corn-mills. A branch of the Peak Forest Canal from Marple joins the Mersey Capal at Lawton. Marple Hall, au interesting old mansiou, is in the possession of a descendant of John Bradshaw, who presided at the trial of Charles I. Motiram-in-Long. dendale, population 3199 , is situated near the north-east extremity of the county, about 7 miles N.E. from Stockport, surrounded by rugged and picturesque scenery. In the vicinity are Mottram hill and the Car Tor. The Car Tor is a singular eminence rising abruptly from the plain to a height of about 80 feet. It is composed of regularly arranged strata of rock, freestone, and a kind of slate or coal. Besides the parish church, there are chapels for New Connexion Methodists and Moravians. The Free Grammar school, founded in 1610, had an income in 1837 of 65 . a year from endowment. Its affairs have been the srbject of proceedings in Chancery. Iron foundries, and collieries, with cotton-spinning, calico-printing, and other establishments, give employment to the inhabitants. Great Neston, on the right bank of the æestuary of the Dee, $10 \frac{1}{2}$ miles N.W. from Chester, population of the township 1524, is chiefly dependent on visitants during the summer. The parish church, dedicated to St. Mary, is ancient; the tower was repaired in 1697. Therc are hcre a Wesleyan chapel, a National and an Infant school. Northen, population of the township 679, is pleasantly situated on the left bank of the Mersey and north border of the county, about 6 miles W. from Stockport. The church, dedicated to St. Wilfrid, has a nave, chancel, side aisle, and a tower. There is here an Infant school. Over', population of the township 2926, is situated near the left bank of the Weaver, about 4 miles W. from Middlewich. This town, though small, claims to be a borough by prescription, and is governed by a mayor. In the principal street, which forms a part of the high road, are remains of several crosses. The parish church, an old building, has some good specimens of stained glass. There is a chapel for Independents. A small weekly market is held. The annual fair continues for three days. A brewery, and brick and tileworks, afford some employment. Parkgate, a small bathing town on the right bank of the Dee ; adjoins Great Neston, with which township the population is iucluded. The houses, which are neatly and regularly built, command a fine prospect of the opposite Welsh coast. Communication with Flint and Bagilt on the Welsh side is maintained by ferry boats. A sand-bank off the town prevents vessels of heavy burden coming up to the quay. The Independents and Wesleyan Methodists have places of worship here. Preston Brook, or Preston-on-the-IIill, 14 miles N.E. from Chester, population 594, situated on the line of the Liverpool and Birmingham railway, has extensive warehouses for the accommodation of the traffic by the different canals in the district. The carrying trade is here of considerable magnitude. Rosthern, population of the township 338, is pleasantly situated about 4 miles S. by W. from Altringham. By Rostheru Mere, a beautiful sheet of water, is the ancient church, dedicnted to St. Mary ; it is partly of Norman date, and has a stone tower, built in 1538. At Hoo Green, a place much resorted to by the ueighbouring gentry, a bowling-club is established. Seacombe, populatiou of the joint township of Poulton-cum-Seacombe 3044, is on the left brnk of the Mersey, opposite Liverpool, with which there is constant communication by ferry. There are here large copper-mills, an iron foundry, smelt-works, and a varnish manufactory. The Wesleyan Methodists havo a chapel. Tarvin, 6 miles E. from Chester, popula-
tion of the townahlp 1181, had formerly a market, bnt it has lonz beeu discontinued. Fairs are held in April and December. In 1752 the riliage was nearly deskroyed by fire. Berides the parish church, tbere are Disseuting meetingrhouses and a National school. Margrave Free Grammar sebool, foundod in 1627, is free to all cbildren paying 1a, a quarter: it possosmes an andowment of 40 . a year with a house, and had 118 scholare in 1552 Tiverton, 11 miles Fis.E. from Chester: population of the townahip ${ }^{717}$. The Raptists have a place of worship here. The Cbester and Xiatwich Canal passes by Tiverton. A corn market, at which extemare tranactions in grain take place, is beld on Monday at Fera Lane Finds in this townahip. Hallasey, population of the townhip 1195 , situated near the shoro of Liverpool Bay, about 4 miles N.N.W. from Hirkenhead, has much incrensed during the last few years in consequence of increased communicatlon with Lirerpool. The parish church, which stands on a considerably olevated sito, was robnilt about a century ago, witb the exception of the tower, which dates from 1560. The Free Grammar schoul, founded in 1654 , has an income from endowment of 1141. a. year; the number of scholars in 1852 was 88 . A yuestiou as to the right of patronage of tbis school is under consideration in Chancery. Hearerham, population of the lordship and townsbip together 1529 is 16 mile W.N.W. from Chester. The parish church, dedicated to St Mary, bas a finc tower. There are chnpels for Wesleyan and Associntion Methodists; also a National school for boys and girls. The Free Grammar school, wbleb has an endowment of 46l. a year lad 55 scholars in 1852 . H1"eson, population of the townsbip 933 , including 284 in barges, is situated near the couluence of the Mersey and the Weaver, about 13 miles N.N.E from Chester. The Wesleyan Methodists have a place of worship in the village; at Weston Point, two miles distant, is a church, with National scbools for boys and girls. A ligbthouse was erected at Weston Point a few years back There is a considerable carrying trade in barges on the acstuary of the Mersey. The village is mucb resorted to in summer for bathing. Wilmalow, population 4952 , is situated on the left bank of the river Bolin, 37 miles F.N.E. from Cbester. The parisb clinceb is a fine building of different styles. The interior coutains several interesting monumentr. The Wesleyan Methodists and Independents have places of worship, and there is a National scbool. Extensive cotton and silk factories are establisbed bere. Wilmslow, being witbin 12 miles of Mancbester by milway, is a place of residence for many of tbo Manchester inerchanta. Winsford, population included with that of Over township, is situated on the high road, 17 niles E. from Chester. Winaford chnrch, parsouage, and echool wero built by tbe trustees for the navigation of the rirer Weaver, the church being for the use of the watermen on the river. The Wealeyan and Wesleyan Association Methodists have places of worship. The Weaver is here crossed by a bridge. There are oxtennive brine pits on both sides of the river, and large quantities of ealt are produced, for the conveyance of which the Weaver affords the required accommodation. A Winsford is a station of the London and North-Western railway.

Ecclesinstical and Legal Jwrisdiction.-Of the 87 parishes 46 are rectories, 23 vicarages, and 18 donatives, or perpetual curacies; many aro of great extent. The parish of Prestbury extends over an area of 63,125 acres, and comprises 32 townships and 14 chapelrics. The county is in the diocesc of Chester, and province of York: it forms an arcbdeaconry, and comprises seven deauerics. A fow parisbes are in tbe archdeaconty of Liverpool and deanery of Wirrall. According to the 'Census of Keligious Worship,' taken in 1851, it appears that there were then in the county 833 places of worsbip, of whicb 252 belonged to tbe Church of England, 188 to Wesleyan Methodiste, 195 to Primi. tive Metborists, 66 to Independents, 50 to Weeleyan Association Methodisth, 29 to New Connexion Metbodists, 17 to IRoman Catholics, 18 to Particular Baptista, 14 to Unitarians, and 68 to other bodies The number of sittings amounted in all to 235,503 . The county is divided by the Poor-Law Commissioners into 10 Unions: Aitringlann, Great Iboughton, Chester, Congleton, Maccleafield, Nantwicb, Northwich, Kuncom, Stockport, and Wirrall. The Unions include 458 parinhes and townhipa, with an area of 350,257 acres, and a population In 1851 of 410,247 ; but the boundaries of the Unions are not ntrictly co-extennive with tbose of the county. Cheshire is in the South Walos circuit. The Lent and summer assizes and tbe quarter searionm for the county are held at Chester, whero also is tbe county jail. The city of Cbester bas a meparate jurindiction, aud tries by its own reconder. Couuty courta aro held at Altringlam, Birkenhead, Chester, Kinutsfond, Nantwich, Northwich, and Iuncorn
Chenliro beforo the Ikeform Aet of 1892 ment four members to the Inperial Parlisment: It was then formed into a north and a south division, esch of which sends two member. The boroughs of Chester, Msoclenfeld, and Stockport rotura two members ench to Parliament.

Manufactures.-The cotton and milk manufacture aro extensively carried on in and around Stockport, Maccleafield, Marple, Congleton, and Sandbech. At Knutnford thero is a large manufnctory of thread. At Nantwich, and the places junt named, are manufactories of bats for exportation. Shoes aro extensively made at Saudbacb. Some woolien clothe are also made in the same dintrict. Tanning is very extensively carrierl on throughont the county. There is a large manufacturo of gloves, ribancta, and buttom, The copper, lead, and
iron of the Alderley Eingo and I'eckforton Hills aro annnfactured in
the county, and constitute a small item in the export trado. But cheose is the principal protuct, which is not only well known and higbly esteemed in every part of Fingland, where the consumption is inmeres, but also in most parta of Europe. The whole anuual produce of this article in Cheshire is about 11,500 toms, of whicb 4000 tons aro exported. (Ilolland's 'Agricultural Survey.') The prime chcose is made chiefy iu the districte where the nalt abounds; that Is, along tbe banks of the Weaver. Potatoos aro raised in very largo quantitics, espocially in the western portion of the county, including the peninsuls of Wirrall. Besides a very large home consumptiou, they aro exportod in great quantity by the Mersey to Liverpool and Manchester.

Ciril History and Antiquities-At the time of the Roman invasion this connty formed part of the territory occupied by the Carnabii. In the first divimion of Britain by the llomans it was iucluded in Britannia Superior; and in their aubsequent subdivision it becamo part of Flavia Csesariensis. From inscriptions which bave beon found, the twentioth legion appears to lave continued at Chester as Inte as the 3rd century.
On the departure of the Romans, the Britous continued to hold Cheshire until about the year 607, when it was wroated from Brochmael, king of Powys, by tbe successful arms of Ethelfrid, the Saxon king of Bernicia Prior to the battle, the Saxon troops aro said to have massacred tbe monks of Bangor. [Basoor-Iscord.] Several of the Britisb princes bowever having collected an army and marched to Chester, Etbelfrid was defeated in turn, aud this district was not agnin subjected to the Anglo-Saxon power until about the year 828, when it was taken by King Egbert, nud innle a part of the kingdom of Mercia According to Peter Langtoft, Atbelwolf held his parliameut at Chester after the death of Eigbert, and there receired the homage of his tributary kings, 'from Berwick uuto Kent'' About the close of 894, an army of Danes advancing from Northumberland took possession of Cbester, and seized the fortress: tbe Saxous under Alfred bowever having arrived in the vicinity, by destroying the cattle and corn, and intercepting the provisions of the Daues, drove tbem to sucb extremities of famine, that tbey quitted the city and retreated to Nortb Wales. Upon tbe division of England iuto tbree districts by Alfred, Cheshire was included in the Mercian jurisdiction. Cheshire acquired the privileges of a county palatine in the reign of William the Conqueror, wbo granted it to his nephow, Hugh d'Avrancbes, commonly called Hugb Lupus, to bold it as freely by the sword as he himself beld the kingdom of England by the crown. Until the final subjugation of the Welsb, the city of Chester was the usual place of rendezvous for the English army, and the county was exposed to ali the evils of a bonder warfsre

In 1237, on the death of Jobu Scott, the seventb earl of Cbester of the Norman line, without male issue, Henry III. gave the daughters of the late earl other lands in lieu of the earidom, being unwilling, as he said, to "parcel out' so great an inheritance 'amoug distaffs:' the county he bestowed on his son Edward, wbo did not assume the title, but conferred it on his son Edward of Caernarvon, since whicb time the eldest sons of the sovercigns of England have beld the title of earls of Chester. The inhabitants of Cbesbire took a part in the rebellion of the Percys, and the greater part of the knigbts and esquires of the wbole county, to the number of 200 , with many of their retainers, fell in tbe battle of Shrewsbury, on the 22ud of July 1403. From the time of Henry III. to the reign of Menry VIII., the palatinate was governed as indepeudeutly as it had been by the Norman carla IIenry VIII. however made it subordinate to the crown of Eugland, but reserving several privileges in favour of the county. The county beiug sulely under a distinct jurisdictiou, and to a certain extent like a separate kingdom, never sent reprosentatives to the Englisb Parliament, cither for city or shire, until the reign of Edward VI., when in the year 1549, on the petitiou of the inhabitanta, two members wero suinmoned from eacb. On the out breaking of the civil war tbe Parlianent sent Sir Willinm Brereton with a troop of horse, wbo took possession of Nantwich, which he fortifed and made his head-quarters; while Sir Nicbolas l3yron, belng appointed colonel-general of Shropsbire and Cheshire, and governor of Chester by the king, made it the hend-quarters of the Royalists Lord Byron, the nephew of the governor, defeated the parliamentary forces under Sir Wiliinn Brereton at Middlewich, in Docomber 1043. Nautwicb was besieged in Jauuary 1644, but was relieved by the unitod forces of Sir Thomas Fairfnx and Sir William Breroton, wbo defented Lord Byron and compelled hin to retraat witb the remains of his forces to Chester. Jrince l upert took Stock port without reaistance on the 25th of May; but the lloyalists were defented after a severo battle at Cantleheath, near Malpas, ou the 25 th of Auguat. Next jear, ou the advance of tbe king to Chester with a large forco, the Parliament abandoned all their garrisons, execpt Tarrin and Nautwicb, and on the 27 th of Soptember the battlo of lowton and Hooleheatb was fought near Chester, in which the Royalists were defeated; an event wbich led to the surrender of the garrison of Cheater, in February 1046, and the subjugation of the whole county to the Parbament.

In August 1659, Sir George 13ooth njpeared in Cheshire at the hearl of an army of upwards of 3000 inen. The army of the Parliameut under General Lambert, met them at Winningtou Bridge, near North
wich, on the 16 th of August, and soon defeated them. Booth himself was taken at Newport Pagnell, and sent to the Tower; and Chester, which had been held hy Colonel Croxton, surrendered immediately on the approach of the victorious army.

The Roman roads in the county are found in detached parts : one road, called the Watling-street, was probahly more ancient than the Roman times. This road enters Cheshire from the north hy the ford over the Mersey at Stratford : in this part the marks of the elevated crest, peculiar to the military roads of the Romans, are still visihle. A little south-west of Bucklow Hill the roads seem to have divided, the Roman road continuing towards Kinderton, and the British road pursuing its old direction by Northwich over Delamere Forest, and hy Chester to the coast of Caernarvonshire. The Roman road from Manchester to Kinderton crosses the ford of the Mersey, and proceeds to the village of Crossetreet. In crossing the adjoining moss it is known hy the name of Upcast, whence it runs by Dunham Park to a field called the Harbonr-field, in the parish of Kinderton, which is the supposed station of Condate. Part of the Via Devana crossed the county from the south-east to Chester.

The castle at Chester was built by William the Conqueror. Beeston Castle, huilt in 1220, hy Randle Blundeville, earl of Chester, is upon the slope and summit of a sandstone rock, which forms on one side an almost perpendicular precipice of great height. The outer court is irregular in form, inclosing an area of ahout five acres. The walls are prodigiously thick, and have several round towers. A deep ditch, sunk in the solid rock, surrounds the keep, which was entered by a drawbridge, opposite two circular watch-towers, still remaining. The aplroach within the great gateway between these towers is by rugged steps cut in the natural rock. This castle has been in ruins since the civil war of Charles I., when it was dismantled. Of Halton Castle few traces now remain ; of Aldford Castle the foundations only are traceable; Shocklach Castle has left only some earthworks and a high mount now visihle; Shotwick Castle appears from the sketch of it in the British Muscum to have had a pentagonal wall, with several circular towers inclosing a lofty square tower. There are numerous ancient mansions. Smith, in his 'Trcatise on Cheshire' calls this county "the mother and the nurse of the gentility of England." Little Morton Hall, in the parish of Astbury, is the most remarkable ancient mansion in the county. It has large and handsome bay windows. The materials of the house are timher and plaster. Bramhall Hall, the ancient seat of the Davenports, about 2 miles south-west from Stockport, rescmbles Little Morton. Saighton Grange, near Chester, was one of the castellated residences of the Abbot of St. Werburg. Doddington Hall, the ancient seat of the Delves family, is near the road from Nantwich to London. The modern, large, and sumptuous fahric was erected in 1780 hy Samuel Wyatt. It stands in a spacious park, and overlooks a fine sheet of water. Poole Hall, in the parish of Eastham, was built in the middle of the 16 th century, and is ono of tho most venerable specimens of domestic architecture in this county. The style of the architecture is similar to that of all the ancient Cheshire mansions, rising into pointed gables, with numerons large hay windows, and having the approach through a line of stables and cow-houses. Brereton Hall, which is in the style of Esher Place in Surrey, was built by Sir William Brereton, and the foundation stone is said to have been laid hy Queen Elizaheth herself. The site is on a rising ground near the river Croke. Among the rich decorations of the interior is a curious painting of Queen Elizabeth in full costume, with chains of jewels hanging down to her waist, and with hair extremely red. Dutton Hall stands ou the ridge of a steep declivity overlooking the Weaver. It is surrounded hy a hroad and deep moat. The great ball is 40 feet by 20 fect, and the whole edifice is a very sumptuous specimen of the domestic architecture of the 16 th century. Crewe Hall, the seat of Lord Crewe, is an equally fine specimen of the 17 th century, having been completed in 1636 . It is a quadrangular huilding of red hrick, with battlements and large projecting hay windows. The sculptured oak ornaments of the interior are curious, as well as the painted glass window of the chapel. There are many portraits hy Lely and others of that time. The seat of Lord Combermere was an ancient Cistcrcian abhey; it is heautifully situated on tho margin of the large mere so called. The original edifice has heen almost wholly rcuewed in the pointed gothic style. Dunham Masscy, the seat of the Earl of Stamford and Warrington, was rehuilt in 1730. It is a very spacious quadrangular building of brick, surrounded with a fine park of lofty old oaks, and is interesting for a curious gallery of paintings by Holbein, Vandyke, Lely, and other ald masters. Cholmondeley Castle, the seat of the Marquis of Cholmondeley, is in the township of Cholmondeley, in Broxton hundred. The present magnificent edifice was huilt in 1804, on the site of the ancient castle. The architecture is gothic; and in approaching the emincnce on which it stands, it has the sppearance of a Norminn fortress. The apartments are adorned with some rare and beautiful paintings. Eaton IIall, the seat of tho Marquis of Wcstminster, possesses great architectural grandeur, and resemhles Cholmondeley Castle, being in tho pointed gothic style. The surrounding park and pleasure-grounds are laid out with much picturesque effect. Ancicnt crosses occur at the boundary of Lyme Park, at Sandbach, at Oulton, and at Lymm. The crosses at Sandbach are referred hy Lysons to a period not long subsequent to the introduction of Chris-
azOO. DIV. VOL, II.
tianity into England. The sword of Hugh Lupus, the first Normau earl of Chester, is preserved in the British Museum.
Cheshire is hoth a manufacturing and an agricultural county. But it has for many years heen steadily becoming more strictly a manufacturing county. In 1851 the county possessed 12 savings hanks, at Bowdon and Altringham, Chester, Congleton, Frodsham, Knutsford, Macclesfield, Nantwich, Northwich, Runcorn, Sandhach, Stockport, and Wallasey. The total amount owing to depositors on the 20th of November 1851 was $683,120 l$. 8s.

CHESHUNT. [HERTFORDSHIRE.]
CHESTER, the capital of Cheshire, an episcopal city, municipal and parliamentary borough and port, and the seat of a Poor-Law Union, is situated on the river Dee, in $53^{\circ} 11^{\prime} \mathrm{N}$. lat., $2^{\circ} 54^{\prime} \mathrm{W}$. long.; distant 183 miles N.W. from London hy road, and $178 \frac{1}{2}$ miles hy the North Western railway viat Trent Valley. The population of the city of Chester was 27,756 in 1851 . The city is governed by 10 aldermen, and 30 councillors, of whom one is mayor; and returns two members to the Imperial Parliament. The livings are in the archdeaconry and diocese of Chester. Chester Poor-Law Union, which is co-extensive with the city, contains an area of 3010 acres.

Chester was unquestionably an important Roman station. It appears to have been the Deva of the 'Itinerary' of Antoninus. The plan of the city and the arrangement of the stroets, as well as its name, hear testimony to its Roman origin. The fortifications of the city appear to be on a Roman hasis. A hypocaust which was found in a tolerably perfect state, is still preserved in the city. Remains of Roman masonry have been discovered: and Chester has produced innumerahle coins, fihulæ, inscribed tiles, inscrihed stones, and altars, the usual vestiges of the Romans. In 1653 a votive altar to Jupiter Tanarus was dug up, which had heen raised hy an officer of the $20 t h$ Legion called the Victorious. According to the 'Itinerary' of Antoninus, the 20th Legion, the 'Legio vicesima valens victrix,' had its station somewhere on the Deva or Dee, and there can he little douht that Chester was the place. The Welsh name of Chester, Caer Leon Gawr, signifies the city of the 'Great Legion.' Chester was evidently the most considerahle place in a large tract of country in the Roman times, and so continued when the Romans had withdrawn their forces. The possession of it was an ohject of importance to the Saxons and to the remaius of the Britons. The two nations seem to have possessed it by turns, and it was certainly one of the last places which yielded to the Saxon power. It was taken by Eghert in 830. From that period to the Conquest, 1066, Chester is often mentioned in the annals of the Saxon sovereignty. Edgar the Saxon monarch is related by the Chroniclers to have received the homage of six kings at Chester in 972: William of Malmeshury says that sitting at the prow of a boat in triumph he was rowed hy them on the Dee. They were no douht the petty kings or chiefs which were so numerous in Saron times. The situation of Chester as a frontier fortress against Wales necessarily gave it importance; but it was also of consequence as a place of security when the coast was menaced with invasion hy the Danes and Northmen. In 875 when a descent by the Danes was apprehended, the body of St. Werburgh, a Saxon saint, daughter of Wulphere king of Mercia, which had heen preserved as a sacred relic, was removed for security to Chester. From this time St. Werhurgh becrme the tutclar saint of Chester; a religious community was founded, in whose church her relics were sumptuously enshrined. For six centuries and a half the house was one of the wealthiest of the monastic estahlishments of England. At the dissolution its annual revenues exceeded $1000 l$.
Chester had in the Saxon times a peculiar local government, and peculiar municipal customs. It had its trade by sea and its home trade, it had also associations of memhers of particular trades, wbich trade associations have flourished longer at Chester than in most other places. The Bishop of Lichfield was in remote times sometimes called Bishop of Chester.

William created his nephew, Hugh surnamed Lupus, Earl of Chester, granting him at the same time sovereign jurisdiction over the county. Cheshire thus became what is called a county Palatine, having courts peculiar to itself and the custody of its own records, The earls of Chester resided iu the castle at Chester, and held therein their courts and parliaments, in which sat the superiors of the religious houses of the county, togcther with the eight great subinfeudatories, among whom Earl Hugh had distrihuted the greater portion of his territory. Thesucceeding earls of his family, of whom there were six, maintained the same state. The series terminated in the reign of Henry III., and from that time the earldom of Chester has heen in tho crown, or in the hands of members of the royal house. The title is now possessed by the eldest son of the sovereign. Most of the large tcnures created by the Conqueror reverted sooner or later to the crown by forfeiture or marriage. Chester has ofteu received visits from the sovereign, and has been occasionally the scene of interesting public events. It has had a series of charters, hy which valuable privileges were granted or confirmed, from the earls of Chester, and from the kings Edward I. and III., Richard II., and Henry VII. As early as 1242 there was a mayor, who presided over a guild merchant or mercatorial. Chester was in those times a place of considerahle trade.

Besides the monastery of St . Werhurgh, there was here a religious
community of women; the Black, the White, and the Gray friars had each an establishment In Chester: a college of the Holy Cross is mentioned, and hoapltals of St. Anne and of St. John the Baptint, of whieh the latter excaped suppreation at the Iioformation, and continues to this day. Cheater bind, during this period, among its inhabitauts, some whowe names are oonnocted with the early literature cf Eingland; Iligren, the most colehmated of them, who lived in the reign of Filwani III., in supponed to bo the author of a set of mysterios, or religioun druma, whieh wero cxhibited by the movoral trades in Chester from time to time, and of which copios bavo dencended to the proaent day.

In the Sith of Honry VIII, write wero arnt laseod to Chester to mend members to Parlimment, The church of St. Werburgh was aupfressed along with the other monasterios; but its revenues were not, is hi most other cases, wholly confscated. Chester was erected into an episcopal see, and the reveuues of the monastery were appropriated to the aupport of the chapter. The charch becnine the cathedral of the new see. The diocose asaigned to the bishop was the whole county of Chester, which had previonsly been under the superin. tendence of the Biehop of Lichfield, and tho county of Lancaster, with the archalenconry of Itichmond, part of the anclent diocese of York. From the period of the Ikeformation, tho only atriking event in the history of Chestor is the protractod slege it endured in the civil war. Charles I. was for a time in the city, and is anid to have witnessed the defeat of his army on Ilowton Heath from one of the towerm on the walls. The history of the commerce of Chester is a history of its stcady declino coincident with the rise of that of Liverpool.

Chester is in many respects ono of the most interosting citics in Eugland, especially to the antiquary. It consista of two great atreets intersecting at right angles, with others diverging regularly from them, very much it is thonght according to the plan of a Roman camp. The city is one of the very fow places in England which have maintained in a tolerable tate of completeness the walls which were crected for their defonce in remote ages; at no other place are they so entire as at Chester. Though no longer useful for defence, they afford an agreeable promenade, with pleasant vicws, at various points, of the surrounding country; they are nearly two miles in cirouit. To a stranger the nost striking objects in Chester are the walls and the rows The rows are a species of wide footpath, raised above the level of the atreet, at the height of the first story of a house, and covered uver head by the second story of the house; as though, in fact, the front and partition walls of the first stories were taken away, and the rooms converted iuto connected walks with shops at the back. The two great intersecting strcets are, for the most part, constructed on this plan. A large number of the houses are the quaint lialftimbered houses with ormamentod gables of the 16 th century: and they, with the rows, render the strects of Chester perhaps the most picturesque of any English city.

Chenter cathedral does not rank among the finer of the cathedrals of this country. The church of the abbey of St. Werburgh was altered to fit it for the cathedral of the now see, but the Reformation is believed to have put a in the perpondicular stylc. It is constructed of the soft red-sandstone of the district, and has become externally much weather-worn. Some parta have been repaired and partly restored of late years. The cathedral consitets of a nave with side aisles; a choir and lady-ehapel at the east end; and on the north a cloister, chapter-house, and schoolroom. The extreme length of the edifice is 375 feet, the breadth 200 feot. The nave is 120 fect long and 41 feet broad. The tower is 127 feet high. The chapterhouse, which is rectangular, is much older than the cathedral, being in the carly English style of the early pert of the 18 th century. The interior is very beautiful. There are nine parish churches in Chester. Of theso St. John's, partly in ruins, is the most interesting for its architecture. It is Norman, and was formerly collogiate. St. Peter"s has heen reccutly enlarged and the older parts rastored. Clirint church was erected about fifteen years bnck. The Wenleynn, Primitive, and New Connexiou Methodists, Presbrteriann, Independenta, Baptinte, Quakers, and Roman Catholien have places of womhip. The Grmmmar school of Chester, founded in the time of Henry VIII, and called the King's School, is attached to the cathedral, and in under tho direction of the dean and chapter; it is free to 21 foundation boss, and has an income from endowment of 62. a yevr, with 5 exhihitions. The number of scholars in 1852 was 43. There arc alno tho Marquin of Westminnter's achool for 400 or 450 boys and girla, a Dioceman sehool, and several National and Infant schonla $A$ Dioccenn Training collego for educating taachers for National schooln provides necommodntion for 70 stndents to be trained m schoolmantern, and for 50 in the Commercial, Mechanical, and Agricultural school attached to the collego; the number of stndents in residence In July 1852 was 44. In 1700 a Blne-Coat achool was founded for boyn, and In $1 ; 50$ anotber for girla.

Chenter hru numerous claritien and benepolent inetitutions, Anong others an infirmary, founded in 1761 , supported hy subecriptions and the interest of abont $20,000 \mathrm{l}$. In the funds; a houne of induntry ; a
houns of refuge; publle thathe and wahbounen ; a mechanics institute, houne of refige; publle bathe and weahhounes ; a mechanics institute, public library; and a savings lank.

Of the cantlo built by Hugh Lunus acarcely a reatige romains. The
present custlo in modern; it was erected from the designo of Mr. T. Harrinon. It is usod as the shiro-hall, the comnty jail, and military barracks. It is of great extent, and presents an imposiug appearnnce. The milro-hall in a noble room. The county lunntio asylum is situated in the Bath-road. Near the oantlo tho Doe is crossod by a very handeome bridge of a ainglo mech. Tho span of tho arch is 200 fect being the largest ntone areh which lan boon constructod. The architect was Mr. Ilarrimon. The Cheater and IXolyhead railway crosecs the Dee at Chester by an iron-ginder hridge of rather peculias construction.
Tho number and tounage of vesuels registared as belonging to the port of Cheater on Decomber S18t, 1852, were as follow :-Sailing ressels, under 50 tons, 57 , tonnage 2092 ; above 50 toms, 60 , tonnange 3899 : stenm vossels, under 50 tons, 5 , tonuage 107 ; above 50 tons, 2, tonnage 342. The number and connage of ressela which chtered and cleared at the port of Chester during the jear 1852 wore ns fol lows:-Consting trade, inwards, 1132 vemole, 66,297 tons ; outwarde, 2110 vessels, 94,450 toms: colonial trade, lnwards, 9 vceseln, 2328 toms: foreign trade, inwards, 10 reasele, 1045 ton*; ontwards, 11 rosolel, 1143 tons.

Ship-building is carried on in Chester to some oxteat; also rope and sail making. Chemical-works, monp-work, a mot mauufactory, and soveral cxteusivo tanyards, afford cousiderahle omployment Fringo, whips, thread, and tobacco are manufactured. In the neighbourhood stone-quarrics are successfully worked. The obstructions to the navigation of the Dee form the chief hindrance to the commerce of Chester. The Ellesmere Canal affords ready water communication with Liverpool and the towns in its course, and in the course of its connected caunals. Chester has become the centre of an extensive railway system, which afforis facilitios of oommuuication with all parts of the kiuglom. The railway station at Chester is a very fine one. Markets are licld at Chester on Wednesday and Saturriay fairs on the last Thursday in February, July 6th, and October 10th The July and October fairs contiuue for sbout a fortuight for the salo of goods of cuery kiud. Fairs for the sale of cheese are held monthly.

Chester has always been the residence of many wealthy families, and has at all times been celebrated for its amusements. In early times the Chester mysteries and processions rivalled those of Coventry: It was one of the first places noted for its horse-racing. The Iloo-dee is the oldest and also the most couvenient race-course helonging to any English city. It lies just bencath tho wall, iu a apot where the whole running-ground is under the eye of the spectator. The Chester races retain their ancient fame. Chester has also its theatre, assemblyrooms, and other places of amnsement. In the ricinity are many good manaions. Eaton Hall, the seat of the Marquis of Westminster, is the most famous; it lies within a rich park about three miles from Chester on the Shrewabury noad.

The diocese of Chester is in the province of Iork. The diocese extends over the whole of Cheshire and parts of Lancashire, CumberInnd, and Westmoreland, and comprises 436 bencfiecs. It is divided into two archdeaconries, Chester and Liverpool: part of the archdeaeonry of Richmond is in the diocese of Chester, but it is to be transferred to that of Carlisle. The chapter consists of the dean, the archdeacons, 4 canons, 4 honorary and 4 minor cauons, and a chancellor. The income of the bishop is fixed at 4500 l . a year.
(Ormerod, Cheshire; King, Vale Royal; Lysone, Magna Britannia Chester Guides; Parliamentary Papers; Communication from Chester.)

CHESTER-LESTHEET, Durbarn, a village and the poat of a Poor-Law Union, in the parimh of Chester-le-Street and chiefly in the middle division of Chester ward, is situated on the high uorth rosd, in $54^{\circ} 51^{\prime} \mathrm{N}$. lat., $1^{\circ} \$ 4^{\prime} \mathrm{W}$. long., 6 miles N. from Durham, and 204 miles N. by W. from London. Fence Houses station of the York and Nowcastlo railway, which is $\$$ milen from Chester-lc-Street, is 2496 miles from London via York. The population of the township of Chester-lc-Street in 1851 कวs 2580 . The living is a perpetual curacy In the archdeaconry and diocese of Durham. Chester-le-Stroet PoorLaw Union contains 20 parishes aud towuships, with marea of 31,006 acres, and a population in 1851 of 18,386 .

By the Saxons Chester-le-Street was called Coneceastre or Cuno ceastro, from the name of the brook Cone which flows past the village. In the year 882 it was mado the seat of a bishopric, which was romoved hither from Lindisfarne; it retained its episcopal rank till 905 when the Danes, invading the country, drore away the bishop and his clergy. The bishop afterwards fixed his seat at Durham. The rillage is lighted with gan. The principal atreet extonds about a mile along the north road; another more irregular line of houses runm along the brook nt right angles to the main atroet. The praish elurch, dedicatod to St. Mary and St. Cuthbert, is a fine old gothie structure consisting of a uave with sido ainles, a ehancel, and a tower ai the western end, , nuruountod witls an elegant spire. The north aisle contnims a contimous weries of monuments of tho Lumley family. There are jlacen of worahij, for l'rimitivo Methodists and Iudependents National and Iufant mehools; a mechanics institution; a parochial library ; and a savinga barik.

The noighbouring coal-mince, an extennivo iron and brass foundry, a steam-engine factory, iron-works, fire-brick manufactorice, and coru and japer mills, affort cmployment to many of the inhabitants Nuraerous wealthy families reaide in the vicinity.

Lumley Castle, the baronial seat of the Earl of Scarborough, a noble building which retains much of its ancient magnificence, is situated on an elevated spot near the bank of the Wear, about threequarters of a mile from Chester. Lambton Hall, the seat of the Earl of Durham, about two miles north by east from Chester-le-Strcet, was built in 1 \%9 ז ; the grounds are pleasant, but the building displays many incongruities. Ravensworth Castle, the seat of Lord Ravensworth, is a modern castellated edifice.
(Communication from Chester-le-Street.)
CHESTERFIELD, Derbyshire, a mnnicipal borough, market-town, and the seat of a Poor-Law Union, in the parish of Chesterfield and hundred of Scarsdale, is situated near two rivuleta, the Hyper and the Rother, in $53^{\circ} 13^{\prime} \mathrm{N}$. lat., $1^{\circ} 25^{\prime} \mathrm{W}$. long., 132 miles N . by W. from London by road, and 156 miles by the North.Western and Midland railways. The population of the borongh in 1851 was 7101 . The borough is governed by 4 aldermen and 12 councillore, one of whom is mayor. The living is a vicarage in the archdeaconry of Derby and diocese of Lichfield. Chesterfield Poor-Law Union contains 34 parishes and townships, with an area of 85,732 acres, and a population in 1851 of 45,803.
Chesterfield is conjectured, from its name, to have been a Roman station. The town received various privileges from King John, but was not incorporated till the reign of Elizabeth. The town is moderately well lighted and paved. In addition to the old town-hall there is a municipal-hall of recent erection. The parish chnrch, erected during the 13th century, is a benutiful and spacious edifice. The spire is remarkable from being crooked. The bulging out of a portion of the middle of the spire causes the ball on the summit to deviate from the perpendicular 6 feet towards the south, and 4 feet 4 inches towards the west, The spire is 230 fect high. The interior has been restored. Trinity church is a neat structure built in 1838. There are chapels for Independenta, Baptists, and Methodists. A Free Grammar school, founded in the reign of Elizabeth, but closed for many years, was reopetued and a handsome new school-house built in 1846; it has au income from endowment of $140 l$, a year, and had 85 scholars in 1851. The Victoria school is mainly supported by the vicar. There are almahouses, a sarings bank, a mechanics institnte, and a dispensary. A county court is held in the town. The district around Chesterfield is rich in coal and iron, and a considerable number of persons are employed in the mines. Potter's-clay, brick-clay, building-stone, and roofing-stone are also mot with. The manufacture of cotton-wicks, ginghams, checks, cotton and worsted hosiery, and bobbin-net is carried on. The Chesterfield Canal extends from this town to the tide way of the Trent, a distance of 46 miles.
(Woodhead, Account of the Borough of Chesterpeld: Communications from Chestefield.)

CHFSTERTON, Cambridgeshire, a village and the seat of a Poor-Law Union, in the parish and lundred of Chesterton, is situated on the left bank of the river Cam, in $52^{\circ} 13^{\prime} \mathrm{N}$. lat., $0^{\circ} 9^{\prime} \mathrm{E}$. long. ; distant one mile N. by E. from Combridge, 52 miles N. by 1. from London by road, and 59 miles by the Enstern Counties railway. The population of the parish of Chesterton in 1851 was 2816. The living is a vicarage in the archdeacoury and diocese of Ely. Chesterton Poor-Law Union contains 38 parishes and townships, with an area of 72,422 acres, and a population in 1851 of 25,165 . The manor of Chesterton was given by Henry I. to the prior and canon of Barnwell. In the village a nunnery formerly exiated; the remains of the chapel are now converted into a dairy. The parish church of Chesterton, dedicated to St. Andrew, is a spacious edifice in the perpendicular style. In the village are a Baptist chapel, and National and British schools. The Cambridge county jail, and the Victoria Benefit Socicties Asylum are in the parish. During the interval betweeu the Censuses of 1841 and 1851 the number of houses in Chesterton parish rose from 331 to 577 , and the number of inhabitants from 1617 to 2816 . This hns been owing chiefly to the low rents and light taxation which have attracted to it as a place of residence persons engaged in business in Cambridge, of which town indeed Chesterton village is in some respecta a suburb. At Arbury $\ln$ Cheaterton parish are the remains of a circular camp of British origin. CHEVAGNES. [Allier.]
CIIEW MAGNA. [SOMEREETSHRE.]
CHIIA'NA, VAL DI, a valley in Tuscany, in the province of Arezzo, running north and sonth 30 miles in length, from Arezzo to Chiusi, and between two chains of hills, of which the western divides it from the valley of the Ombrone, and the eastern from the Lake Thrasymene and the valley of the Tiber. Chiana is the modern name of the ancient Clanis, a feeder of the Tiber. The Val di Chiana was formerly a vast marsh, and ita air was pentilential ; it was drained under the Grand Duke Leopold I., and his son Ferdinand. By this operation above 36 square miles of ground are become now one of the most fertile districts of Tuscany. The waters of the northern and larger part of the valley now run north into the Arno by a stream called Chiana Toscana, the drainage of the southern part is collected into another arm called Chiana Romana, which flows into the Paglia about five miles above itn confuence with the Tiber. Indeed the valley is so nearly a perfect flat, that the waters which flow into it from the hills on each side would flow indifferently in either direction.
the river formed and still forms a lake (Lago di Chiusi), and thenee about 30 miles farther to the Tiber. [ARNo; Abezzo.]

CH1AR1. [Brescia.]
CHIA'VARI. [GENOA.]
CHIAVENNA. [Valtritiva.]
CHicacole. [Circars, Norteenn.]
CHICHESTER, Sussex, an episcopal city, a municipal and parlinmentary borough and market-town, and the seat of a Poor-Law Union, iu the rape of Chichester, and western division of the county, is situated in $50^{\circ} 50^{\prime} \mathrm{N}$. lat., $0^{\circ} 46^{\prime} \mathrm{W}$. long., distant 62 miles S.W. by S. from London by road, and 79 miles by the Portsmouth branch of the South Coast railway. The livings are in the archdeaconry aud diocese of Chichester. The city is governed by 6 nldermen and 18 councillors, one of whom is mayor; and returns two members to the Imperial Parliament. The population of Chichester in 1851 was 8682. Chichester Poor-Law Union comprises the city and suburbs, with an area of 1680 acres, and a population in 1851 of 15,000 .
Chichester stands at the termination of a gentle descent from tho South Down hills. The plain in which it is situated extends from the west side of Prighton to Portsmouth harbour, betweeu the South Downs and the sea, and attains at Chichester its greatcst width. The city within the walls is divided by two principal streets running north and south, and east and west, which intersect each other near the centre of the town. Beyond the walls the suburbs are prolonged in the direction of the principal streets. A small rivulet called the Lavant, which is occasionally dry in summer, bounds the city on the east and south sides.
Chichester occupies the site of the Roman station Regnum. The walls, which are nearly a mile and a half in circuit, were probably first erected by the Romans. The present walls are supposed to have been re-constructed with the materials of the Roman walle.
The word Chichester appears to be a contraction of 'Cissanceaster,' the city or castle of Cissa, an Anglo-Saxon chief, who according to the Chroniclers repaired and partly rebuilt it, after it had beeu destroyed in a siege. At the Norman survey Chichester had 238 houses, which were given to Roger de Moutgomery, who was created the first Earl of Chichester. This uobleman is believed to have succeeded in removing the seat of the bishopric of Sussex from Selsen to Chichester, which was one cause of the carly prosperity of the place. The earliest charter extant is one by Stephen. In the beginning of the reign of King John, there were three Mints established in Chichester, two belonging to the king, and ono to the bishop. In December 1642 the Royalists who held the city surrendered to the parliamentary forces. The fortiflcations were demolished by order of the Parliament in 1648.

A cathedral, built mostly of wood, was founded here in 1108. The present cathedral, a cruciform edifice erected during the 13th century, exhibite some specimens of Norman design, and also some examples of the first pointed style, when the Petworth or Sussex marble came into fashion. The spire, which is about a century later in date than the body of the building, is finely proportioned. The extreme length of the cathedral from east to west is 407 feet; from north to south 150 feet; the transept is 129 feet long, and 34 feet wide; the nave and aisles are 97 feet wide; and the tower and spire 300 feet high. The building is remarkable for having double side aisles. In the cathedral are nine monuments by Flaxman, one of them to tho memory of William Collins, the poet, who was a native of Chichester. It also contains several ancient monumeuts. Ono of the modern monuments is a statue by Carew of the late Mr. Huskisson, who was for some time member for this city. Near the north-west angle of the cathedral is a bell-tower 120 feet high, with massive walls, called Ryman's Tower. The palace of the bishop of Cbichester is within the city. There is a neat antique chapel attached to the palace, which was repaired by Bishop Maltby. Something has been done during the last 20 ycars in the way of restoring various portious of the cathedral buildings.
The parochial churches in Chichester are generally small, and some of them are poor in appearance. In 1836 the sub-deanery was divided. and a handsome gothio church, dedicated to St. Paul, and capable of accommodating 1000 persons, was erected without the walls. Before this was built, St. John's proprietary chapel furnished the chief accommodation for public worship ln connection with tho Established Church. The Independents, Wesleyan and Primitive Methodists, Baptists, Quakers, Unitarians, and other bodies have places of worship. There are in the city Natioual, British, and infant schools. There is a Blue-Coat school, founded in 1702, in which 28 boys are boarded and educated; and such of the boys as conduct themselves well receive on leaving the school a sum of moncy to enable them to set up in business, or othcrwise to promote their interests. The revenue of this fouudation is above 1300l. per annum. The Prebendal Gramnar school was re-founded by Bishop Story about the close of the 15 th century, but the school is believed to be coevsl with the cathedral. It has an income of 201 . a year, and had 18 scholars in 1852. A Diocesan Theological collcge, founded by Bishop Otter in 1839, is under tho care of a Principal and a Vice-Principal. Bishop Otter's Training college was originally founded by the bishop about 1841 ; in 1850 a new and handsome building was erected as a memorinl of the founder, and bearing his name. Provision is made
for 24 atudenth. The numbor in rosidenco in July 1852 wa 16. A model echool in attachod to the Truining college.

The guildhall, which is appropriatod to the transaction of town and county busineem, was formerly a chapel belonging to an ancient monatery of Grey friars. The council chamber or town house contains, bexides the required business rooms, a commodious aud elegant sesemblyroom Tho markethouse is neat and commodious. The marketcroses in octagonal building in the centro of tho city, whe erected by Bishos"Story, who heid the eeo betweeu 1478-1502. It is of large size and pleasing proprortions, and is one of the yery fineat and moat clabo rately ornmmentod market-romea remaining in Engiand. The infirmary, opened in 189\%, is a fine building to the north of the city, surrounded with ground for the use of the patienta. Ita erection is to bo ascribed to the exertion of Dr. Forbes. A wing was recently added for fever wands at the expense of Charles Dixon, Eso., of Stansted Park. St. Mary's hospital in an ancient foundation for tho support of old and infirm persons who hare been reduced to porerty. Chichester possesses a literary and scientific institute, with a museum. There is also a sarings bank. Quarter seasions and a county court are held in the cits.

Chichester is well built, lighted, watered, and drained; the prin. cipal strects aso wide, and contain many good houses. There is communication with the sen at Chichester harbour by means of a short canal, which joins the Arundel Canal as it passes to the south of the city. This cansl is chiefiy used for the conveyance of coals, The number and tonnage of vessels registered as belonging to the port of Chichester on 31st December 1852 were-Under 50 tons 27, tonnago 584 ; above 50 tons 11, tonnage 1222. The entries and clearances at the port during 1852 were as follows:-Coasting trade, inwards 294, tonnage 17,594; outwards 151, tonnage 5139 : foreign trade, inwards 4, tonnage 210; outwards 1, tonnage 47. Chichester posessses no manufactures. The market held on alternate Wednesdays for cattle, sheop, horses, and pigs, is one of the largest held within the precincts of any town in England. The weekly market on Saturday is chiefly for corn. Fairs are held on St. George's day, Whit-Monday, St. James's day, Michselmas day, and October 21 st. Large quantities of corn are sent from Chichester to Loadon and the west of England. There are several extensive malting establishments in the city. Tanning and brewing are carried on.

The see of Chichester was originally founded at Selsea, in the 7th century, and remored to Chichester in 1071. The diocese includes the eatire county of Sussex, and comprises 311 benefices: thero are two archdeaconries, Chichester and Lewes. The chapter consiats of the dean, four canons, the archdeacons, precentor, chancellor, with nonresident and minor canons. The income of the bishop is 4200\%, a year.
(Horsfield, Sussex; Dallaway, Sussex; Hay, Chichester; Communication from Chichealer.)

CHIIFTI. [ABREzzo.]
CIIIEVELY. [BEnkemire]
CIIGGELT. [Esgex.]
CHIHUAHUA. (Mexico.]
CHILI, or CHILE (Republic of). South America, lies along the shores of the Pacific, between $25^{\circ}$ and $12^{\circ} \mathrm{S}$. lat.; but the archipelago of Chilöe, which also belongs to it, extends about two degrees farther south. The republic of Chili claims the whole const to the Strait of Magalhaens, and the islauds as far as Cape Horn, together with a portion of Patagonia, as belonging to its territorios; but as no settlements have been formed in these countries, we slaall limit our description to the tract between $25^{\circ}$ and $42^{\circ} \mathrm{S}$. lat., which cxtends from the chain of the Andes, forming its eastern boundary (between $69^{\circ}$ and $71^{\circ}$ W. long.), to the shores of the Pacifio Ocean (between $70^{\circ}$ and 74. W. long.) and the island of Chiloe.
Chili within the above limits is bounded E. by the Argentine Confederation, from which it is divided by the Andes; N. by the desert of Atacama, which belongs to Bolivia; W. by the Pacific Ocean; and S. it is separated from the island of Chilöse by the Strait of Chacao, and bonnded by the Bay of Ancud.

Area, Coantline, de.-The republic of Chili extends from north to south sbout 1175 miles; its brealth varies betweeu 100 and 200 miles ; ita area, including Chiloe, is about 180,000 square miles. The aren of the oountry, an clamed by the republic, is of course very much Inrger-probably not less than twice as large. According to the last official cenrus (1843), the population was $1,080,000$. By very recent estimatew the population, including that of the new province of Arauco, amounts to $1,133,802$, thus distributed among the several provinces :-


The cost from ite southern extremity by the inland of Chillöe, bear generally north-northenst, and more or low parallel with the Ande, to the northern tormination of the republie nt Point Taltal. Tho mrchipelago of Chilie consints of a number of wild rocky islands and islets, of which ouly ono, Chilöe, is of any importance; many of the smaller islands however afford supplies of water and provision to resools navigating thin const. Chilbe possesses three or four good harbonra; Sau Carlos, the priucipal, is said by Captain Fitaroy to bo an excellont harbour, while Custro appears to bo little inferior. Seve ral dangerous inlets and saudy shoals lie betweeu the northern termination of Chilose and the broad but shallow and wild Maullin Inlet, rendering this a place to which it is advisable that semmen should give a wide berth. About Godry Poiut, at the mouth of the inlet, the shore is low: From this point a bold and rocky const trends north north-west for 34 miles to Cape Quedal, a lofty and bold promontory which, like most of the headlands on this part of the coast of South America, has many detached rocks lying close to it. From Cape Quedal to Point Galcra the coast bears north-northeast. Behind this point rise the Valdivis Hills ( 1550 feet), their three peaks forming a conspicuous landmark; they terminato seaward in Point Falsa. Hero the shore sweeps round north-east to Gonzales Head, a bluff wooded cliff, behind which is Port Valdivin, the first harbour whieh offerm north from San Carlos. Port Valdivin is a secure and apparently spacious harbour, but the part which affords shelterod anchorage for large ships is somewhat confined.

Eight miles from Gonzales Head is Bonifacio Head, whence the const bears away uortheast to Chancan Cove, the mouth of the river Mehuin; beyoud which it bears northward to Cauten Head, being generally low and sandy, with occasional bluff headlands. Orf Cape Tirna is Mocha Island, which is about 7 miles long by 3 milen brond its surface is hilly, the highest point attaining an clevation of 1250 feet, and it appears to be very fertile. The passage between it and the mainland is open, and perfectly free from danger. From Cape Tirus to Tucapel Point, about 40 miles, the coast is wild, unsheltercd, and very dangerous ; a shoit distance south of Tucapel Point is Mol guilla Point, on which her Majesty's ship Challenger was wreeked in 1835. Beyond Tucapel Point is Tucapel Head, which, with Millon Point, protects the cove into which the Leubu River opeus, and which affords shelter for small vessels. Carnero Bay is merely an opeu bight, unft for shipping. Off Arauco Bay lies the low and dangerous island of Santa Maria The wide bay of Arauco affords one or two sheltered spots, as Luco Bay, where shipping fuds tolorably secure anchorage in all sensons, and there is good though exposed anchomge throughout the bay itself. At the northern extremity of Arauco Bay is the river Biobio, which is inaccessible to shipping on nccount of sandbauks and of the south-west swell. The modern town of Concepcion is a short distance up this river. Old Concepcion, or Peuco, lies at the southern extremity of Concepcion Bay, some wiles farther worth. This bay is said by Captain Fitzroy to be "the finest port on this coast, being 6 miles long and 4 miles wide, with anchorage ground everywhere, abundant space, and all well sheltered." Farther north is Coluimbo Bay, which affords safe anchorage for coasting vessels, and "has always beeu the scene of smuggling transactious." Beyond this the coast continues in the same generally north-enst direction for 40 miles to Cape Carranza. A few miles farther nortli is Cape Humas, which marks the mouth of the river Maule, about a mile above which, on tho left bank, is the little town of Constituciou, which would perhaps rise into some commercial importaxce, being near the outlet, nad the natural port of n remarkably rich and fertile country, did not a bar at the mouth of the river render it inac cessible to vessels of any size. Thence the coast continues still nearly north, nud ocersionally broken by a projecting headland, as Points Topocalma, Toro, \&ca, and affording $n$ fow sheltered coves, as San Antonio, Quintay, \&c., to Point Curaumarilla, from which the land bears northeast for seven miles to Los Angeles Poiut, the southern extremity of Valparaiso Bay, at the southern end of which hes the town of Valparaiso, at the base of hills from 1200 to 1400 feet high. [Valitaraiso.]

Abont 360 miles W. from the const at Valparaiso, lies the island of Juan Pernandez, or Masatierra ('more landward'), as it is called by the Spauiards: it is about 18 miles long by 6 miles wide. Its northern half is an elevated mass of trap and basalt rocks furrowed with pleaannt valleya, and mostly covered with wood; the southern half, which is only slightly raised above the sea, is rocky and barren. On its northern shoro, and about three miles from its eastern cxtromity, is Cumberland Bay, which affords anfe anchorage for vessels of any size. Conts in a wild state are fouud here; on the rocky shores are seals and sca-lions; fish, especinlly cod, aro plentiful slong the coast. The salaud is very subject to earthquakes. In 1848 there were only eight inhabitants on the island. It was ou this island that Alexauder Sel kirk was left and lived alone for mono than four years. His adven tures aro commonly thongh incorrectly said to have supplied De Foe with materials for his 'Robinson Crumoe' About 02 miles W. from Juan Feruandez is the smaller inland of Masafuera ('more seaward'), a masis of procipitons rocks rising to the height of 8000 fect. It is generally covered with trees, has no convenient landing-place, and no inhabitants. Both theso islands belong to Chili.

Returning to the coast of Chili and continuing our course north-
ward, we soon reach Quintero Bay, another spacious and tolerably sheltered harbour. A little farther north are the dangerous Quintero Rocks, east of which is Horcon Head, the southern headland of Horcon Bay, off which during nine months in the year there is secure anchorage in from 10 to 15 fathoms. The coast now bears slightly to the west for about 25 miles, to a low rocky point called Lengua de Vaca, which forms the southern side of Tougoy Bay, once frequented by American whalers. About 14 miles farther is the much-frequented Coquimbo Bay, and immediately south of it is the small land-locked harbour called Herradura Coquimbo. Proceeding northward, the cosst continues to be hroken into numerous coves and small bays, among others are Tortoralillo, Chungunga, Huasco, and Herradura de Carrisal ports, while many small rocky islands and reefs lie off the shore. From Cape Leones the trend of the coast is north-north-east. The spacious bay of Salado is rendered dangerous for shipping by tho presence of numerous rocks, some suuken and others visible. Copiapo, the next harbour of any magnitude, is also unsafe, owing to dangerous shoals and want of shelter. Off it lies the singular island, Isla Grande. Port Ynglis affords anchorage for small vessels, but Port Caldera to the north of it is a much finer harbour. A pier was erected here two or three years hack, and a railway formed in connection with it several miles inland, and it appears probahle that this port will conceutre in itself much of the traffic of the rich agricultural and mining district of Atacama, which has hitherto been carried to Copiap6. Several of the small ports recently named, and others not noticed, are used occasionally for the shipment of a cargo of copper ore. A few miles farther north is another very good harbour, Port Flamenco, as yet however very little used except by the native fishermen. No other harbour of any consequence occurs before Point Taltal, the boundary hetween Chili and Bolivia, is reached. The rise and fall of the tide along the coast of Chili is about five or six feet. ('Admiralty Charts' and 'Sailing Directions for South America.')
Surface, Hydrography, de.-The Andes, which from the Strait of Magalhaens as far north as the Bay of Ancud press close on the shores of the Pacific, appear to turn east at the northern extremity of that bay, but soon resume their northern direction, in which with some slight bends to the east and west, they continue along the boundaryline of Chili. The Chilian Andes, as they are here termed, will be found sufficicntly describod under Aspes and Argentine Confedefation. Several of the peaks of the Chilian Andes rise ahove the lino of perpetual snow, which in these latitudes is found at about 14,000 feet above the sea. The summits which are covered with perpetual snow are the Peak of Aconcagua, (south of $32^{\circ}$ ), the highest volcano in the world, being 23,200 fcet above the sea, the Peak of Tupungato (south of $33^{\circ}$ ), the Volcano Penquenes (near $34^{\circ}$ ), the Peak of Descabezado (north of $36^{\circ}$ ), and the Volcano of Antuco (north of $37^{\circ}$ ). Tho mean height of the whole range seems to be lower south of $35^{\circ}$ than north of it, though the summits in the whole range seem to attain nearly the same elevatiou. This portion of the Andes contains many volcanoes. They are extremely numerous to the south of $35^{\circ}$, where about twenty are known to exist, and it is supposed that many are still unknown. Betwecn $35^{\circ}$ and $30^{\circ}$ only a few occur, and at great distances from one another. Still farther north no volcano is known to exist in the Andes between that of Coquimbo (south of $30^{\circ}$ ), and that of Atacams (south of $21^{\circ}$ ).
Several mountain passea traverse this range. The most frequented is that of Uspallata, which passes over the range hetween the peaks of Aconcagua and Tupungato, traverses the valley of Uspallata, and unites Santiago de Chili with Mendoza in La Plata. Its highest point, called La Cumhre, is 12,454 feet ahove the sea. The Pass of the Portillo trarerses the Andes south of the Peak of Tupungato, passing through the northern part of the valley of Tunyan. Its highest point is on the eastern range, where it rises to 14,365 feet abovo the sea. The Pass del Planchon traverses the range hetween the Volcano of Peteroa and the Pcak of Descabezado, and is less elevated than the others, reaching only about 11,000 feet: vegetation extends to its summit. The Pass of Antuco, which crosses the range ncar the foot of the volcano of that name, prohably does not rise ahove 12,000 feet. As it traverses the country of the independent Indians, who occupy the Pampas of La Plata, it is not much used. Besides these passes there aro others over the Andes, but all of them are nearly if not quite impracticahle for mules in winter (from June to Septemher).

The districts of Chili north of the Rio Chuapa ( $31^{\circ} 30^{\prime}$ S. lat.) resemble the coast of Peru, and the whole of that country may he considered as the western declivity of the Andes. Near the high range the country is still hetween 6000 and 8000 feet above the sea, and it lowern gradually to the west, till it terminates near the sea in an extensive plaiu, about twenty miles in hreadth, and from 60 to 80 feet above the sea. The country hetween this plain and the chain of the Andes is very uneven, exhibiting uumcrous ridges of low hills, which in somo parta, especially near the Andcs, and near the plain along the shores, run parnllel to the great chain and the Pacific; but in the intermediate country they continually change their direction. The surface presents either bare rocks, or is covered with sand, and nearly without vcgetation, except a few stunted shrubs, which generally occur in the narrow glens and ravincs, with which it is sparingly
through this country, but most of them have only water in the spring (September till Decemher), when the snow is melting in the upper region of the Andes, and they are dry during eight or nine months of the year: Only three rivers, the Copiapó, Guasco, aud Chuapa, havo water all the year round. Ou their banks are the few cultivated spots, which are irrigated by water drawn flom the rivers. But the greater part of the small level tracts along the watercourses are unfit for cultivation, heing covered with incrustations of salt, which in some places are five or six inches thick, and occupy the whole surface, covering even the low grasses. The few spots which are cultivated produce only maize, potatoes, a small quantity of wheat, and considerable quantities of fruits. Few countries of equal extent possess greater metallic wealth, especially gold, silver, and copper, but the extreme sterility of the country prevents the working of these mines, except when they are very rich. In climate these districts rcsemble Peru. It never rains, but sometimes a pretty strong dew falls in the morning, which refreshes the plants. This extreme dryness of tho air is accompanied with a very moderate degree of heat, the thermometer in sumaner rarely attaining more than $70^{\circ}$; and in winter the temperature is sometimes so low that the morning dew is changed into snow. This general description applies only to the country north of $30^{\circ}$, south of which the cultivable spots are more extensive and more numerous, and the country is annually refreshed by a few showers of rain.
From the snow-capped peak of Aconcagua a mountain ridge runs directly west, and termiuates at a short distance from the sea. It is called Cuesta (ridge) de los Angeles, and attains a considerable height, which however greatly decreases as it proceeds westward. Another ridge, branching off from the Andes at the Peak of Tupungato, runs first north-west, and is called Cuesta de la Dahesa : it theu turns west, and may be said to terminate at the Campana de Quillota, a mountain which rises to ahout 2500 feet above the sea, from which it is about 12 miles distant. A much lower ridge extends farther west, terminating not far from the shore and the mouth of the Rio de Aconcagua. The country inclosed by the Cuesta de los Angeles, and thoso of La Dahesa and Chacahuco, is draiued by the Rio de Aconcagua, which rises on the north-west declivity of the Peak of Tupungato, and runs more than one-third of its course in a narrow aud elevated glen, nearly parallel to the chain of the Andes in a north-north-west direction. It then gradually turns west, but the valley through which it flows is still narrow, till it has terminated another third of its course, wheu it enters the valley or plain of Aconcagua, a beautiful lovel tract, extending from east-south-east to west-northwest 15 miles, with a breadth of 13 miles where widest. This plain is about 2600 feet above the sea, but as the river has water euough to irrigate tho whole, it is well cultivated, and perhaps the most populous portion of Chili. At its western extremity it lies nearly contiguous to the valley of Putuendo, which is smaller, but also fertile and well cultivated, and extends northward to tho Cuesta de los Angeles. After the junction of the Rio de Aconcagua with the Rio Putuendo, the mountains again approach its hank, but soon retreat a little farther; and hence to the mouth of the river extends the valley of Quillota, which is not much inferior in fertility to the others, and is about three or four miles wide.

South of the Cuesta de Chacabuco the level country hegins to occupy a much larger portiou of the surface. The plain of Santiago, beginning at the foot of the range, extends south to the banks of the Rio Maypu. Towards the north it is from 6 to 8 miles wide, but farther south it grows wider, and on the bank of the Maypa, from east to west, it is about 20 miles. Its soil is stony and dry, and it can only be cultivated where it is irrigated. Cultivation accordingly exists only in the neighbourhood of the rivers, and of the canal by which the water of the Maypa has heen brought upon it. The country between the plain and the Andes is filled hy mouutains of various heights, with stecp declivities, and nearly without vegetation: the valleys intersecting them are narrow, and covered with an immense number of greater or smaller stones, which have fallen down from the adjacent mountains. The country hetween the plain of Santiago and the Pacifio is traversed by some rauges of hills, which rise to no great height above the adjacent plains, and are southern offsets from the Cuesta de Chacahuco. The plains between them are pretty level, and of moderate extent: the soil is dry and stony, without water and trees.
Tho Rio Maypl has its sources in tho Andes, between the Peak of Tupungato and that of Cauquenes, and one-third of its course lies between the high offsets of the Andes in narrow valleys. Towards the plain of Santiago its valley widens. When the river has entered the plain, the canal of Maypu conducts a portion of its waters to the centre of the plain, while the river, continuing its western course, traverses its southern portion. After its junction with the Rio de Colina, which traverses the plain of Santiago, but has water only in tho rainy season, the Maypta enters the valley of Melipilli, from 4 to 6 miles wide, which contains large tracts of well-cultivated land. Tho whole course of the Maypi is about 160 miles. It has a sand-bar at its mouth.

The country south of the Rio Maypú has a different character. Towards the Andes it is covered with the high lateral branches of that rango, which inclose narrow and elevated valleys. But about
two-thinds of the country riec in gentlo undulations, and contaln com. paratively few uteep aud high hilla Haro aleo the ralas aro hy no means abundath, nor do they last for any length of time: mgriculture therefore cannot be carrion on withont irrigation, and the tracts of ground under cultivation aro mot extensivo. No troes of large nizo are found in Chili north of the Rio Cachaponl, but their number increases farther south, till on the banke of the Rio Maule the forents of high timbertreen become very extcuniva. Tho Rio Manle risen in the Andes at the foot of the Peak of Deacabezndo, mear $96^{\circ} \mathrm{S}$, and runs first nearly due west. When it has arrived at the more lovel conutry it turn north-west, and dowing in a diagonal line, falls into the sea about $34^{\circ} 40^{\prime}$. It is the mont northern of the navigable rivers of Chili. At ligh tides vessele, wot drawing more than 6 feet water, mny enter its mouth, and proceed souno small distanco up it. Flat river barges may mscend at any senson for 20 miles and upwands. The country along its banks is remarkably fertile, and there are extensive foresta of timbertrees. The country between the lio Maulo and the Rio Biubio is oven bettor adapted to agrlenlture; but since tho expulsion of the Spaniards it has been aearly deserted, on account of the frequeut incursions of the neighbouring Indian tribes. This tract contains much more level ground than any other portion of Chili. The Audes hero terminato by a sterp descent, and without offseta; and at their foot begins, in the northern districts, an undulating courtry, intersected with small plains. In the southern districts the level country begins immediately at the foot of the range, and cxtends to a considerable distance frem it. The Travesia (heath) of Yumbel, a plain 60 miles long, and nearly as wide, betweev the towns of Yumbel and T'ucapel, is covered with sand and small pieces of volcanic matter; it is without trees, water, and regetation, except at a few spots, Püppig thinks it probablo that it was once corered with water, and forned a lake. A chain of low hills dividea it on the sonth frem the plain of the Isla de Laxa, which is nearly as large, and contains ouly a fow low hills. This plain, which is covered with grass, is of great fertility. The oountry between this plain and the nea is covered with high but gentlyosloping hills, which are partly clothed with wood and partly bare and sterile. Along the rivers, eapecially the Biobio, the soil is very fertile. The Rio Biobio rises in the Andes near $88^{\circ}$, and runs in a weat-north-west direotion to tho Pacific, which it enters north of $97^{\circ} \mathrm{S}$. lat, after a course of about 150 miles. In its upper course it is deep and rapid. It becomea navignble for canoos and rafts at Nascimicnto, 40 miles frem its mouth, which Captain B. Hall found to be 2 miles wide, though too shallow for large vessels.

The country south of the Biobio, though included iu the territorics of the republic, is for the most part in possession of the indepreudont tribes callai Araucanos. [Aravcana.] This country, so far as it is known, is nearly covered with high trees, which frequently form inspenetrable forosts. The surface seems to be nearly a level up to the foot of the Anden, with the exception of a range of billa ruuning north and sonth, and the soil very fertile, as may be infcrred frem the great number of warriors whom the Indians can send into the field. The Rio Callucalla (also named Rio de Valdivia) is by far the deepest of the rivern of Chili: 60 -gun ships can euter its mouth without great danger; but it is not known how far it is navigable.

Geology, Jineraloyy, dec. - The geological character of Chili has already been noticed under Asves. The higher parts of the Chilian mountains appear to consist mostly of schistose rocks, while the lower chains are granitic. Everywhere are traces of igneous agency. Sienftes, besaltic and felspathio porpmyritea, of rich red and browntints, traclytes, and other plutonic rocks abound. Hornblende and mics mehists, clny-slates, and othor metamorphic rocka occur everywhere. Quartz occurs very generally in connection with metallio voins. The carbonifereue strata are richest in the district around Concepcion. Limestone rocks of varioua qualitiea occur in numereus places; cxcellent statunry marble is obtained in Copiapб. Gypsum abounds Lava, tufa, obsidian, \&c, are found in beds of considerable thicknesm on the slopes of the volcenoes.

I'robally no country in more subject to enthquakea than Chill; they occur however ninch more frcquently along the coant than in the interior. In the northern districts slight shocks are felt almost overy day, and occnaiomally several timen ln a day. Somotimes thoy dentrey the towne and lay write a great extout of country. In 1819 the town of Coplapo was levolled to the ground, and ln 1822 the damage dooe in Valparniso and the couutry about it was not much leas. In 1895 the town of Concepcion wai entirely deatreyed; and In 1887 Valdivis wam ruined. In the earthquake of 1822 the rocks incloslng the harbour of Qnintero, whleh is mome miles north of the mouth of the IRlo Aconcague, were raised 4 or 5 feet above their former level. In thet of 1835 the const about Concepcion and clsowhere wat in bike manner rained everal feet, lut it appears to have subsequently gradually nubsided nearly to its formar lovel.

Cold duit is found lu the sand of nearly all the rivers which come down from the Anden, $m$ in the Kio do Aconcagua, 1Rlo Maule, aud Biobia. Somegold mines occur In the northern divtricte, where they are worker, but the produce ia inconaderuble. Othern are maid to exist in the nouthern previnces The total quantity of gold annually obtainal is about 25,000 ouncoa Silver is more abundant, but the ore is not gencrally vory sich. Tho average qunntity of silver obtained annually is about 132,000 ounces. The richest minemare in the vicinity
of Copinpo. The copper mines aro rery numereus in the worthern districts, especially about lllapel, Cuquimbo, Copiano, and Guasco; copper ls ane funad farther sonth in the Andea, but is not worked. The colper of Copiopo is mont ralued. Tho quantity of copper ex. ported lian of late years beou about 100,000 cut. A emall portions comen to Dhrepe, but by far tho larger part goen to lndia and the Unitod Staken Oren of lead, tin, zinc, iron, antimony, manganeso, arsenic, dc., aro said to exist. Sulphur is olhtained of remarkahlo purity.

The coal formation extexds under a conald crablo part of the sonthern previncen. The conl obtaincd abont Concepcion is the best: it formas an article of some importance in the trade of Valparaiso. Salt does not exist in sufticiout quantity. A good deal is oollected in the lakes of lucalemu, sonth of the mouth of the Rio Maypa, In which the malt-water of the sen ia mubjecterl to orapomtion. a great quantity of salt is insported from l'eru and l'atagonia

Climate, dec. The climate of Chili varies much in the different districts; but it appears to be almost everywhere liemlthy. The climate of the central portion of Chili may be compared in some degree with that of Italy. The greatest heat occurs in the mouths of Jaunary and February, at which time the thermonacter on the const frequently rises to $85^{\circ}$ during the day, and $70^{\circ}$ to $75^{\circ}$ during tho night. The hottest part of the day is before ten o'clock iu the morning, about which tine wind rises in the sonth, which often blows with great violencc. In the interior, even in the elevated valley of Aconcagua, the thermometer frequently rises to $90^{\circ}$ and $95^{\circ}$ in the shade; and as thesouthern wiud is not streng here, the days are sultry, but at sunset a delightful breeze springs up, which couls the air. The montls of Jlarch and April are much more temperate, capecisilly in the interior; and at the cud of April the raina gencrally eot in, and occur up to August, and theu the Andes are covered with snow, which generally Lies for four or five months on the higher parts of the range. Snow and also some ice occur in the elevated valleys, but it soon melts, and the atmosphore is only chilly while the rain is falliug. Snow never occurs along the sen. The nnmber of rainy days in the uorthern districts is commonly fourteen, and seldom more than twenty throughout tho jear. This rain, which is very leavy, seldom falls for more than three days coutinuously. In tho southern districts, where the number of rainy days is much greater, bcing on an average forty, the rain sometimes continues ten days without interminsion. After the rainy season, in September, tho spring hegiva, which is frequently more chilly than the winter itself, and ice is sonnetimes observed even on the const. Summer begins towards the commeucement of November, and then tho sky, which during the spring is covered with clonds, is entirely free from them. Tho heat gradually increases, and in the northern districts vegetation begins to die away in December, lut in the sonthern districts the country in always clothed with verdure, as tho plants are ocensionally refreshed by rain, and tho dewe are frequent and hoary. The mean temperature at the mouth of the Rio Aconcagua in July and August is $70^{\circ}$, aud at Talcahuana, near Concepcion, ono or two degrces less.

Chili is subject to strong periodical gales. Iu the beginning of the raiuy season (May and June) the north and north-western wiuds prevail, and frequently blow with great violeuce. As all the hurbours of this coast are open to that quarter, vessels abandon them, and weather tho storm in the open sea. Between $25^{\circ}$ and $35^{\circ} \mathrm{S}$. tho wind during eight or nine inonths blows frem the south or sonth-ast, frem a. Littlo before noou till about sunset, but occasionally till midnight, and frequently with great force, especially in summer and autumn. At the same timo a current, of about half a mile an hour, usually ruus along the coast to the north, hoth which circumstances fivour navigation northward, but the return to the south is rendered todious and difficulto Easterly winds are rare, except in September, when they auddenly lower the thermometer, aud in February and March. They often blow with such force an to threw down the atrongeat trees.

Agriculture, dec.-Although much imprevement has taken place of Iato years the cultivation of the soil is in a rery backward state. The stimulus which lus been given by tho great demands made by the Californian aud Australian markets has done much to briug about a better state of things; and the goverumont has anxiously encouraged the immigration of Eurepean, and eapecially of Cerman, agriculturists, mnny of whom have settled here. Tho soil is in many parts very fertilc, and souve apota are now well cultivated. V'ery large quantitica of grain, flour, and vegetables aro exportod, principally to Californis and Australin, but also to the harbours along tho western coast of South America.

Agriculture la almost limited to tho preductions of Enropa. Msize is grown cverywhere, but not to a great nmount. Wheat is the staple; it is raisod nll over tho country, and givea in many places very ahnndast crops, pecially south of the Rio Maule. Darley is grown in the sonthern provinces to somo extent, but very littlo north of the Hio Manle: onts only on a fow estaton, Leguminous vegetables are grown ahundantly, especially different kinds of heans, and supply an article of exportation. Hemp is mised in the country north of the Kio Maypu; it grows to an cxtraordinary leeight and of Buperior quality. Hemp is grown in no other country on the went const of Sonth America Intertrepleal planta do not nucceed; for thongh the heat in the northera district is great the cxtreme dryness of the air
is unfavourable to the growth of plants which require a long time in coning to maturity. The sugar-cane was tried some jears ago, but it has been abandoned.

Vegetables are now largely cultivated. Potatoes are grown in great abundance in the northern districts. Capsicum is raised in the valley of Aconcagua, and forms a considerable article in the internal commerce of the country. The quinoa (Chenopodium Quinoa) is peculiar to Chili. In the southern provinces it is raised in abundance: it somewhat resembles millet, and a pleasant beverage is made of it. Melons and water-melons, as well as pumpkins, succeed very well in the northern provinces, where they are raised in great quantities and attain a surprising size.

Figs, grapes, pomegranates, oranges, and peaches succeed best in the most northern districts, whence they are exported to the other parts of the state. Wine is made at different places, but not with any great success. The best is made near Concepcion. The olivetree succeeds well, but the oil is bad for want of a proper method of preparing it. Extensive forests of wild apple and pear-trees occur along the foot of the Andes in the southern provinces. The fruits are hardly eatable, but cider is made of them. The forests, which cover so considerable a portion of the southern prorinces, contain many fine timber-trees, which form one of the more important articles of export. In the Andes south of the Volcano of Antuco many valleys are covered with forests of the Aravcarin, whose fruits contain a great number of nuts twice as large as an almond, which are very palatable, and constitute the principal food of the Indian tribe of the Pehnenches.
Cattle are very abnndant north of the Rio Maule, the declivities of the monntains and high hills affording copious pasture for four or five months, and some low tracts which are sown with lucerne, for the reminder of the year. Single proprietors sometimes possess from 10,000 to 20,000 head of cattle. Live stock, jerked beef, tallow, and hides are large articles of export. Cheese is made on the banks of the Rio Maule and sent to Peru: butter is made in the neighbourhood of the larger towis. Horses, though less numerous than formerly, are still bred in considcrable numbers: they are of a niddling size and strong, and are in much request for exportation. Mules and asses are also largely bred; they are said to bo superior to auy other for carrying burdens over the passes of the Andes. Sheep are not numerous, and their wool is bad. Goats are more plentiful. Swine are found in abundance in the archipelago of Chilöe, whence hams are exported: on the continent they are less nuinerous, and their flesh is not of good flavour. l'ork is salted in the harbours as provisions for ships. The island of Mocha, between Concepcion and Valdivia, is overrun with wild horses and pigs, both of which are used as fresh stock by the whaling and sealing ehips in the Pacific.
Commerce, dec.-Chili is probably the only American state formerly subject to Spain whose commerce has increased sinco the separation froun the mother country. The importations, sccording to a rough cstimate, have averaged during the last five or six years about $2,000,000 l_{0,}$ and the exportations, including the transit commerce, about $2,500,000 l$. The foreign trade is mostly carried on through Valparaiso, under which title it will be further noticed. The larger part of the imports are from Great Britain : they consist chiefly of cotton and woollen goods, iron, hardware, earthenware, \&c. The United States have the next largest share in the import trade; the goods sent consist ohiefly of tobacco, sugar, oil, soap, candles, and rough mannfactured articles, besides tea from China, and silks \&c. from the East Indies. France sends a large quantity of wine, brandy, silks, paper, perfumerg, and fancy goods. Germany sends linens, iron-ware, glass, \&c. Coffee, cotton, rice, sait, mate, spirits, sugar, dyes, \&cc. are imported from various ports in Central and South America.

The articles of export, besides the bullion sent to Europe aud the United States, are grain and vegetables to California and Australia, and various parts of South America; hides and copper to England and the Uuited States; hides to France, Germany, and Belgium ; copper to China aud the East Indics; and the various European and Indian goods received at Valparaiso aud sent to the principal ports of Sonth America-this tranait-trade constituting in fact a most important part of the commerce of the republic.

The manufactures of Chili are chiefly of the ordinary articles of lomestic consumptlon, as hempen cloths, bats, ponchos, earthenware, cordage, leather, soap, tallow, spirits, \&ce, and coarse iron and copper utensils.
The coins, weighte, and measures used in Chili are the same as those of Spain.
Dirisions, Towns, sec.-Chili is divided into 13 provinces, which are subdivided into 52 departmenta. These proviuces, beginning from the north, are as follows:-

1. Atacama comprehends the most northern and sterile portion of tho rcpublio. It exportis gold, silver, copper, and dried fruits. The principal town and port is Copiapo; but Port Caldera is attracting to itmelf much of the export trade of this rich mining district. The population of the province is 25,185 .
2. Coquimbo extends nonthward from $A$ tacama to the Rio Chuapan In general character it much resembles Atacama, but in somewhat more fertile and populous. The copper-mines of this province are the
richest in Chili; there are also gold-and silver-mines. The exports are the same as from Atacama, with the addition of some chinchilla skins. Coquimbo town, near the bay of the same name, is the capital and port. The population of the province is 85,349 .
3. Aconcagua contains the valley of the Rio Aconcagua and the countries north of it to the Rio Chuapa. It exports cattle, grain, and fruits, and has some rich mines of gold and copper. The capital is S. Felipe, or Villa Vieja de Aconcagua This province has been already fully described. [AcONCAGUA.] The population is 91,674 .
4. Santiago compreheuds the plains along the foot of the Andes on both sides of the Rio Maypu, and part of the hilly and in some places mountainous country between the plains and the Pacific. It contains few mines, and their produce is small. Its wealth consists in wheat and cattle. It contains Santiago, the capital of the republic. The population is 207,434.
5. Valparaiso is a small province comprehending the country around the harbour of the same name, and is surrounded by the provinces of Santiago and Colchagua. Large quantities of grain and vegetables are raised for exportation. The capital, Valparaiso, is the most frequented harbour in the republic. The population of the province is 75,962 .
6. Colchagua extends between the rivers Cachapoal and Maule, and comprehends a country partly level and partly hilly. It is of great fertility, and produces corn in abundance; cattle are also very numerous. In this province the immense forests begin which cover so considerable a portion of the south; farther north there are no forests. The capital, San Fernando, is a considerable town, and is situated in a very fertile country. The population of the province is 173,073 .
7. Talca is an inland province, which has been formed out of the provinces of Colchagua and Maule. It is for the most part mountainous, and is covered with vast forests. Cattle are raised largely. A good deal of copper is found. The population of the province is 71,381.
8. Maule extends from the Rio Maule to the Rio Itata. It produces corn, wine, and tobacco. It is perhaps the most fertile part of Chili, and consists mostly of an undulating country and some small plains. Cattle constitutes the principal wealth of the inhabitants. The chief town is Villa de Cauquenes, a small place situated ins well-cultivated plain. The population of the province is 118,309 .
9. Nuble hies to the east of Maule, and comprehends the mountainous country between the Andes and that province. A large part of it is covered with lofty forest-trees. Copper abounds in some places. The inhabitants are however chiefly dependent on grazing. The population is 89,955 .
10. Concepcion lies between the rivers Itata and Biobio, and comprehonds the sandy plain of Yumbel and the fertile plain of Isla de Laxa, and in part the hilly country extending between the plains and the sea. It is less fertile than Maule, a great part of its surface being occupied by the Travesia de Yumbel and the sandy hills between it and the sea; but tho remainder is very fertile, especially the plain of Laxa. Corn and timber are the principal exports. Coal of good quality is obtained, and carried for sale and export to Valparaiso. The capital is Concepcion. The population of the province is 109,526.
11. Valdivia comprehends the countries between the Rio Biobio and the newly-formed province of Arauco; but by far the greater part of this tract is occupied by Indian tribes. Except the town of Valdivia the European settlements are for the most part limited to a small number of fortifications along the banks of the Biobio, among which Nascimiento is the most important. Timber and a bittle corn are exported. The capital is Valdivia. The population of the province is 23,098 .
12. Arauco is a new province, comprehending the southern part of the old province of Valdivia. Nearly the whole of this country is still in the possession of the Araucanians, the most warlike and perhaps the most civilised of the Indian tribes. [Araucana.] The population of the provinco is estimated at about 14,000. Fort Arauco, on Ar:uco Bay, oue of the most important of the Chilian stations, is describer by Captain Fitzroy as merely a small square fort. Maullin Fort, near the western entrance of the Strait of Chacao, is the most southern European settlement ou the mainland of America.
13. Chilöe (pronounced Chilō-e) comprehends the island of Chilöe and the smaller islands in the Gulf of Ancud, which together constitute the Archipelago of Chilöe. The island of Chilcie is the most northern of that series of larger and smaller islands which skirt the western coost of South America from Cape Horn northward. It is divided from the continent by a wide strait called the Gulf of Ancud, and at its northern extermity by the much narrower strait termed by mariners the Chacao Narrows. It extends from north to south about 120 miles, and from east to west 60 miles, where widest ; but its eastern coast being deeply indented the average width probably does not exceed 40 miles. The whole island is a mass of rock, which in no part rises to a greater height than 2600 feet, and is covered with earth and clothed with wood, chiefly consisting of a species of bastard cedar, very durable, aud affording excellent timber, which is largely exported. In the island itsclf it is used for buildiug vesscls. The eastern coast, which is much indented, has many excellent harbours, smong which tho bestare San Carlos, Chacao, Dalcahue, and Castro, in all of which
ressels of any size may anchor with the greatnet mafots. San Carlos is suid by Captaiu Fiteroy to be an cxcellent harbour. On the went cosst is the Lagoon of Cucao, whlch in upwands of 20 iniles lu length, and connected with the sea. Though frost and snow are handly known the climate of the laland is chilly. The nir is so damp that foge occur almost daily daring the raius soason, which lasts ten mouths; jet the island is cousiclerod to be healthy. The domentic animals aro cattle, bosses, sheep, and awise. Somo hides are exportod, and about 10,000 lam anuually, of excellent quality. These, with sbout 250,000 planks, and occasionally grain and potatoes, constitute the exports. The soil being of excelleut quality produces rich crops of wboat and barley and great quantitios of potatoes. A good deal of butter is made. Finh, as well ws osstem and other ahell-fish, aro very abundant, and in some parts are the cllef food of the inhabitant. The interior of the country is little known, the inhabltants all living along the sea-shore, or ouly at a little diatance from it. The northern amd eastern coasts are mettled by Europeane, but at the southern extremity only Indians in small numbern are found. The people are in appearance more like northern Europeans than Spaniards, being athletic and robnst, and haring a fair complexion and light faxeu hair. The principal towas are San Carlos, on the Strait of Chacao, a small town with about 2000 inhabitants, and Castro, which contains two dilspidated churches, and a small and poor population. The most remarkable of the numerous amalier islands of the arcbipelago are Quiuchao, Lemuy, Calbuco, and Llaicha. On Lemuy very good ponchos are made from the wool of the country. The population of the province is 48,876 .

The capital of Chili is Santraco; tbe cbicf port and centre of commeree is Valparatso; both of these will be described under their respective titles. The few other towns of any size or consequence have mostly been enumerated in speaking of the provinces; what further notice sceins necessary we add here. Most of the towns of Chili, as mentioned under Acoscagua (vol. i. col 56), are built on a regular plan, and are aimilar in their general appearance: the churches and other public buildings, and the principal shops, occupy tbe siles of a central plaza, the area of which serves by day as a market-place, and in the evening as tbo public promenade; while the main atrecta diverge from tbe plaza at regular intervals, and are of uniform width. The houses are generally of a aiugle story.

Concepcion, the capital of the province of the same name, and the meat of bishopric, stande on the right bank of the Biobio, about 8 miles from the Bay of Concepcion: population about 7000 . The town was built after the destruction of the old city of Penco by an earthquake in 1763 . Concepcion itself, after enduring many shocks of more or less violence, was entirely overthrown by a aimilar visitation in 1835. It was a well-built town, and contained many fine buildingm, amoug others a massive catbedral, which, like the more fragile atructures, was reduced to a mere ruin. The city bns not jet recovered from the effects of so serious a calamity, but it appears to be making steady progrese It has little trade and no manufactures. Ships generally lie off the Port of Taleahuano, at the bead of Concepcion Bay, a poor town of about 1000 iuhabitants. Conoepcion Bay is 6 mile long and 4 miles wide, affords ample secure and well-sheltered ancborage, and is said to be the finest port on this coast. Constiencion is a amall town on the left bank of the Rio Maulo, sbout a mile from its embouchure. As the port of an exceedingly ricb agricultural and mining district, and on the line of the best pass across tbe Andes, Constitucion appears destined to rise into considerable importance. At present a sand-bar prevents vessels of much burden ascending to the town; but there appears to be no insuperable engineering difficulty in the way of its removal, if the inhabitants possessed sufficient capital and enterprise. Copiap反, population about 4000 , on the right bank of the river of the saine name, is the principal port of tbe mining district of Atacama, but appears likels to give place to the auperior facilities of the neighbouring harbour of Caldern. The town suffered very acverely from an eartbquake in 1819 and again in 1822, and on some subsequent occasions. Copper smelting is carried on in tho vicinity. Coquimbo, population about 8000 , the capital of the province of Coquimbo, was fonnded in 1544 by Valdivia, who named it Sereua; it atauds near the mouth of the Chuapa, abont 7 miles from Coquimbo Bay. Tbe town is regularly laid out with housea of one story, baving gardens attached, but has fow public building of any mark. The district abounds in mines of goll, silver, copper, and iron. There is no import trade. A sood deal of copper and copper-ore is exported. The port is a mere collection of hovcla. IIuasco, is the small port-town of a mining district in the provioce of Coquimbo, of some local coneequonce, but not requiling further notice here; it stands at the mouth of tho Husco Ilver. Osorno ( $10^{\circ} 20^{\prime} \mathrm{S}$. lat.) la one of the most southern towne In the republic. Felorco. [Acoscagua.] Rancagua, nenr the southern boundary of Sastiago, is a place of some importance. San Pelipe de Aconcagua, [Acoscacca.] San Fernando, the capital of Colchagua, stands near the base of the Andes, and is a tolerably large and douriahing town, and the centro of a sich and fertlle district. Taler, the capital of the province of the mame uanno, stands near the right bank of the Kio Marle in the upper part of its course, nud io also a town of considerable note. The district abounds in forents of fine timber. Valdivia, the cajital of the province of the eame namo,
stands ou the lelt bank and at the reatuary of the Calacalla, at the head of the Port of Valdivin ( $39^{\circ} 19^{\prime} \mathrm{S}$. lath, $73^{\circ} 18^{\prime} \mathrm{W}$. long.) : population about 2000. Owing to a bar at the inonth of the Calacalla, only resels of light burden asn ascend to the town. Although the clistrict is extremely fertile the town bas little trade. The exports are chiody of planks and wtavos. Tho town, which connists of a number of scattered wooden housen, surrounded by a forest of applotrees, boars a poor and neglected aspect ; the many costly fortifications, erected by the Spanianls with a view to rendering the harbour impregrable, have been suffered to full into decay.

Inhabitants.-The population of Chili, north of the Rio Biobio, in almost entirely composed of descendants of Europemus. There are no Indians north of the Biobio, except in the valleye of the Andes couth of $34^{\circ} \mathrm{S}$. lat. Negroes are fow in number. The Indians who inhnbit the country south of the Biobio are known by the name of Araucaniana, and have obtained eorne celebrity by the high degree of civilisation attributed to them by Molina. [Amecasa.] Thoy appear to consist of several tribes, who speak different dialects of the samo language, and are divirled by the Chilenon into 'Indioa Costinos,' or Indians inhabiting the const, and into 'Moluchos,' who inlabit the extensive wooded plaius stretchiug along the foot of the Andes, and have resisted all attempts to conquer them. These nations derive their principal subsisteuce from agriculture, cultivating anaize, potatoes, beans, and some other articles. In the valleys of the Andes between $34^{\circ}$ and $37^{\circ} \mathrm{S}$. lat, are the Pehuenches, who reem rather to be addicted to a wandering life. All these tribes still enjoy virtual independence.

History, Gorernment, Finances, dec. When Francisco Pizarro had orerthrown the empire of the Incas in Peru, he sont Almagro to subjugate Chili. With great loss of men, Almagro passed over the Andes aud through the desert of Atacama, and entered the northern provinces witbout resistance, these districts having previously been dependeut on the Peravian cmpire. But farther south ho met tho more warlike tribes, and made no great progress. His successor, Valdivia, advanced to the Biobio, and founded the town of Santiago in 1541. For more than 200 yoars the Spaniards tried to establish their authority in the aoutb, but without permanent success ; aud in 1771 they were obliged to abaudon that country, with the cxceptiou of Valdivia, Osorno, and a few small fortresses on the banks of the Biobio.

The first disturbances tending to a separation from the Spauish dominion occurred in 1810. Chil declared itself independent Sept. 18,1810 , but the strife so far from being ended went on increasing till the Chilenos were defeated in 1814 at Raucagua, by the Spanish general Osorio. Iu 1817 San Martin entered Chili with au army from La Plata, and liberated the country by the battles of Chacabuco (12th February, 1817) and Maypú (5th April, 1818). Since the establishment of the coustitution, which was proclaimed in 1830, tbere have been frequeut conflicts between political partics, but the country has ou the whole been more peaceable than most of the other South American statas, and not less auccessful.
By the constitution the government received a republican form, with a central legislature and executive. The executive power is in the hands of a president, elected every five years; and a council of state consisting of the ministry, two members of the court of justive, an ecclesiastical dignitary, a general, two ex-ministers, sc. The legis. lature consists of a Congress composed of a senate of 20 urembers retainiug tbeir functiona fur nine yeark, and a IIouse of Representatives elected trienninlly, to which a deputy is sant for every 20,000 of the population. The judiciary cousists of a aupremo court of append, three other courts of appeal, and inferior courts.
The army consisted in 1852 of 2061 men, besides the militia, which numbered 66,241. The navy consisted of 7 vessels carrying 8 guns.

The reveuue of the republic from 1825 to 1832 areraged abont $1,700,000$ Spanith dollars, and the expenditure exceeded tho receipta Iu 1851, according to the report presented to Congresa 20th August, 1852, the revenue amounted to $4,427,900$ dollars ( $968,604 l$.), the expenditure in 1851 was $4,712,147$ dollarg ( $1,030,782 l$.) ; but this exeess of expenditure was covered by the cxcess of reveuuo in the preceding year. The amount of foreign debt (chiofly linglish) was $1,193,000$. of home debt 467,835 .
(Mohna; Miers; Meyen; Püppig; Selmidtmeyor: Suteliffo; Ger ataccker; Fitzroy and King; Darwin, \&c.)

CHILKEAH. [BaREILLY.]
CHILOE ISLAND. [CHLL.]
CHIMAY: [HamaUle]
CHIMBORAZO. [ANDEs, vol. i. col. 355.]
CHINA in an extensive country in Fastern Ania, constituting the principal portion of the Chiuese cmpire. It is situated on the borlers of the Pscific, and cxtends from $20^{\circ} \mathrm{N}$. lat., (or, if the island of Haiuan is included, from $18^{\circ}$ ) to $41^{\circ} \mathrm{N}$. lath, and if tho tract of laud projecting on the north-west towands the centre of Asin be ndded, to $46^{\circ} \mathrm{N}$. lat. Its castern oxtremity, where it borders on Corea, is cut by $124^{\circ} \mathrm{F}$. Jong., aud its westeri, where it borders on the l3irman ompire, by $88^{\circ}$ E. long.; but if the projecting tract be added, it reaches to $85^{\circ} \mathrm{L}$. long. Its greatest length, from the larbour of Amoy, opposite tho inland of Formosa, taken in a north-western
direction to the farthest extremity of the projecting tract, can hardly fall short of 2000 miles. If however this latter tract is excluded, the length of China from the peninsula opposite the island of Hainan to the Great Wall due north of Peking is about 1400 miles; its breadth varies between 900 and 1300 miles. The area of China is about $1,300,000$ square miles, or more than eleven times as large as that of the British Islands. The north-western projecting tract is not included in the calculation. According to a state census made in 1812 , the population was then $360,279,897$, but it would not be safe to regard thie as anything like an accurate enumeration; by a state census taken in 1825 , the population was only $352,866,012$, and this, though not to be regarded in the same light as a European census, is perhape not greatly in excess.
Chins is enrrounded by countries dependent upon it, except at its south-western and eouthern eide, where it borders on the Birman empire, the kingdom of Siam, and that of Cochin China. On the west of it extend Tihet and the country of Kho-kho-nor, or Ching. hai. The projecting tract is mostly surrounded hy Eastern Turkistan, lately called Grand Tartaria, and by Mongolia. Mungolia occupiea also thegreatest part of its northeru houndary, except in the extreme east, where it is bounded by Manchuria, or Ching-king, and by Corea. Its eastern side ie washed hy the Pacific, which forms a deep gulf between China and Corea, called the Hoang-hai, or Yellow Sea; it assumes the name of Tung-hai, or Eastern Sea, between Corea and the island of Formosa, and that of Nan-lıai, or Southern Sea, or more generally China Sea, between Formosa aud Hainan, while the strait between Formosa and the mainland is known as Formosa Channel.

Coast-line, Surface.-The coast of China being about 2500 miles, there is only one mile of coast for every 520 equare miles. Where China borders on Corea its coast io high and bold, and full of rocky isleta. This coast continues on both sides of the peninenla of Leao-tung, or about 240 miles. It is followed by a sandy coast, which in most places is so low that it cannot he seen at a short distanco from the ahore : this coast cxtends from the innermost corner of the Bay of Lea-tung for abvut 360 miles to the ueighbourhood of the Straits of Meao-toa, which form the entrance of the Bay of Pe-tche-li. The coast of the peninsula of Chan-tung is rocky, and commonly hold, but not high, except in a few places. It extends from the Straits of Mcao-toa to Cape Macartney, and hence to $35^{\circ}$ N. lat., about 350 milea. The shores, as far as the Chusau Islands ( $30^{\circ} 30^{\prime} \mathrm{N}$. lat.), are low and sandy, indeed in many placee very swampy, and exteud from 120 to 450 miles. From the Chusan Islands to the Bay of Canton the coast is rocky, bold, and high, except in the recessee of the numerous hays and harhours. At some places it rises to a considerable height, and is besides lined with numeroue cliffs and rocky islets, in all its extent of about 800 miles. The western shoree of the Bay of Canton, for about 30 miles, are formed by a great number of low sandy islands. From the Bay of Canton to the peninsula of Lui-tcheou, about 120 miles, the coast is again rocky and bold, but it does not appear to be high. The shores of the peninsula itself are about 100 miles long, sandy, flat, and low; the remainder of the coast of China is washed hy the Gulf of Tonkin (about 100 miles), along which are numerous emall islande.
The whole surface of China may be divided into the mountainoue country, the billy country, and the great plain. The mountainous country comprehends more than half of the whole, and the meridian of $112^{\circ}$ may ho considered its eastern boundary, lut to the north of the Hoang-ino it exteuds as far as $114^{\circ}$. All this immense tract of country is corered by mountains and valleys. The mountaius are commonly too eteep and rugged to admit much cultivation, but a great part of them ie covered with high trees. Towards the north they are mostly bare, but contain immense beds of coal. The valleys are often narrow, but heing watered by nnmerous otreams, their fertile soil maintains a numcrous population. This general description however appliee properly, in all its extent, only to the districts north of the Tapa-ling and south of the Nan-ling, for in those between these two ranges the mountaine are less eteep, and their sides are commonly cultivated to a considerahle height. The valleys too are much wider, and the level land sometimes extends to plaine of considerable width, as for instance the plain of Tching-tu-foo, which is perhaps 20 miles in every direction.

Tho western houndary of China extends to the mountain chains which constitute the eastern edge of the high table-land of Eastern Asia [Asia; Bayas Khara]; but only tho moet eastern of these ranges lies within the boundary of China It may be considered as beginning in the most southern hend of the Yaug-tse-kiang, hetween $101^{\circ}$ and $103^{\circ} \mathrm{E}$. long., and as extending hence in a north-north-east direction, and terminating in the great northern bend of the Hoang-ho, betwenn $107^{\circ}$ and $111^{\circ}$ E. long. This mountain range, which is called Siue-ling (Snow-range), or Yung-ling, contains a considerable number of snow-capped summits. The enowy mountains are numerous between $30^{\circ}$ and $36^{\circ} \mathrm{N}$. lat., and more especially between $32^{\circ}$ and $34^{\circ}$. But even south of the great southern bend of the Yang-tse-kiang, and at a short distance from its banks, are some snow-covered summits, whence Ritter rightly concludes, that the river breake through the southern portion of the range. The four mountain chains which traverse China from west to east, may he considered as offeets of this range. South of the snowy mountains, which are situated on !the croc. DIV. YOL II.
eouth of the great bend of the Yang-tse-kiang, is the hilly tahle-land of Yun-nân. It is of considerable extent, and at a great elevation above the sea. From the eastern edge of this table-land two mountain ranges branch off, the Yu-ling and the Nan-ling. The Yu-ling, the most southern of these ranges, branches off from the table-land in $24^{\circ} \mathrm{N}$. lat., and $102^{\circ} \mathrm{E}$. long., and runs nearly east to the neighbourhood of the Bay of Canton, dividing the river Ta-si-kiang from the sea. It does not seem to approach the shores of the eea in any point, nor to rise to a great height. The Nan-ling (or Southern Range), which constitutes the most extensive mountain system in China, branches off from the northern edge of the table-land of Yun-nân, where the snowy mountaine are situated ( $26^{\circ} \mathrm{N}$. lat. aud $103^{\circ} \mathrm{E}$. long.), and runs eastward, passing ahout 150 miles to the north of Canton as far as $116^{\circ} \mathrm{E}$. long. ; it then inclines to the north-east, in which direction it continues with a slight bend to the west to its termiua. tion at the eea near the harhour of Ning-po, opposite the islands of Chusan. Several summits of this range rise above the snow-line, west of $110^{\circ}$ E. long., where also it extends to a great width. An aboriginal nation, the Mioatsee, have maintained their independence in its fastnesses. A lateral range, which separates the Yang-tse-kiang from its trihutary the Yuen-kiang, and exteuds north-east to the centre of China, is also said to contain some summits which rise above the onow-line. East of $110^{\circ}$ no snow-capped mountains occur, though some riee to a great elevation; but even here the range preserves its steep aud rugged character. Its numerous branches, running towards the Formosa Strait and the" Tung-hai, are also steep aud craggy, but those extending northward are of inconsiderable elevation. Three mountain passes are known to traverse the Nan-ling. The most frequented is to the north of Canton, where the range is called Meiling (the Chain of the wild Plum-trees, according to Klaproth), and hence the pass is called Mei-ling pass. By thio pass goods are transported from Canton into the interior of China. Goods are brought in boats on the river Pe-kiang to the town of Nan-yong-foo. Between this town aud that of Nan-gan-foo is the pase where goods are carried on the hacks of men, for about 24 miles over rocky mountains. Thie is the only place, hetween Canton and Peking, where no water communication exists; for at Nan-gan-foo the goods are again shipped and descend the Kan-kiang and afterwards the Yang-tse-kiang till they come to the Great Canal. The elevation of the Mei-ling moun-tain-pase is estimated by Staunton to be 8000 feet above the sea. The second pass which is known occurs near $28^{\circ} \mathrm{N}$. lat., and $118^{\circ} \mathrm{E}$. long., hetween Kien-ning.foo on the east and Kian-tchang-foo on the west of the range, and though the mountáins are very eteep and rugged it io much frequented; 18,000 porters are said to be continually employed for the transport of goods. The third road, which is a little farther north, connects the town of Kien-ning-foo with the town of Kin-tcheou-foo, which lies ou the weet of the range. Though difficult to paes it is much used.

The two other mountain ranges, the Tapa-ling and the Pe -ling, are immediately connected with the Yun-ling, the Tapa-ling branching off south of $33^{\circ} \mathrm{N}$. lat. and Pe-ling about $35^{\circ}$. The Tapa-ling runs south of east nearly in a straioht line, and terminates near $112^{\circ} \mathbf{E}$. long. north-east of the town of Koei-tcheou-foo. It divides the valley of the Han-kiang from that of the Yang-tse-kiang, and rises to a great height; several of its summits exceed the snow-line, as for instance the Kianku-shan, with which it terminates. The Pe-ling, which runs nearly parallel to the Tapa-ling, separatee the valley of the Han-kiang from that of the Hoai-ho, or Wei-ho, an affluent of the Hoang-ho, and conscquently the two great river-systcms of China from one another: It continues in its eastern direction to $113^{\circ}$ E. long., and this portion of the range is high, rugged, aud steep. At $113^{\circ}$ it declines to the south-eat, diminishing considerably in elevation and ruggedness. Having attained $32^{\circ}$ N. lat, it turns again to the east, and ooon subsides into a chain of hills, which terminates on the western ehores of the lake Tsiao-hoo, a considerable distance cast of Nanking. The western part of thie range containe several snowy mountaine, though fewer than the Tapa-ling. The obstacles opposed by these two chaine to the commumication betweel the provinces which they traverse have been overcome by an artificial road said to be 420 lie, or nearly 150 miles long, and which, through the mountrin district, is conducted over deep clefte by long bridges, aud often hy deep cuttings through high moutatains.

These ranges traverse that part of China which lies south of the Hoang-ho. But even the western, and greater, portion of the countriee north of that river is almost entirely covered with high and rugged mountains. These mountains belong partly to the northern portion of the Yun-ling, which joins the Hoang-ho at its great bend, and partly are ramifications of the Inshan, a range which extends round the bend of the river on the west and north, and whose offsets enter China between that bend and the town of Peking in several ridges.

Among the mountainoue districts must be included the tract of land which liee between the Nan-ling and the sea; hut with ths exception of the immediate neighbourhood of the range it rather resembles the couutriee between the Nan-ling and Tapa-ling than those farther north, its valleys being generally wide and eometimes expanding into plains, as for instance the plain of Canton. A considerahle portion of the sidee of the mountaine io also fit for cultivation. If thie tract io added to the other mountainous country, it may be said that
rather more than two-thirds of the surface of Chinm are of thin character.
The hilly country lies to the eant of $112^{\circ} \mathrm{E}$. long., and betwoeu thin meridian and the eastern part of the Nan.ling, and cxtende morth to the banks of the liang-tsokiang. The bills, though in many places steep, generally rise with a gentle ascent; and as they do not attain a grant olovation, their sides aro cultivated and planted with rice on the lerrice ayatem. Their lops aro covered with forest-troce, gendrally of the piue kind, which are carcfully planted. The levels between the hills aro sounctimen narrowed into valleys; in other places they expand into plains. They have generally abundanco of water in their rivers, and tbere are nome laken, of which the largeot aro the Tungting near the confleence of the Yuen-kiang with the Yang-two-kiang, and the Poyang, not far from the mouth of the Kan-kiang. The greatest portion of the surface in in a very high state of cultivation.

The grest plain occupies the north-estom part of China. It cx. tends in length 700 miles from the Great Wall, north of Pcking, to the confluence of the rivera lang-teo-kiang and Kan-kiang ( $30^{\circ} \mathrm{N}$. lat.). The liang-lookiang may be considered as its southern boundary an far down as Nan-king, whence to the sea it is formed by a line drawn from NGan-king to the sea through Hang-tcheon-foo. The western boundary line may be marked by a line drawn from King-tehcou.foo, - town siluated on the Yang-tse-kiang, to Hoaj-king-foo on the Hoang ho, and hence to the Great Wall, wbout 50 milea nurth-west of Peking. The breadth of the plain is various. North of $35^{\circ} \mathrm{N}$. Int, where it partly exteuds to the shores of the Hoangohai and partly borders on the weatern side of the mountain range of Chang-tung, which occu pies the peninsula of that name, its width rariea between 150 and 250 miles. This portion of the plain probably covers an aren of 70,000 square miles. Between $85^{\circ}$ and $34^{\circ} \mathrm{N}$. lat, the plain cnlarges, and in the parallel of the Hoang-ho it extends more than 800 miles east and weat. It grows atill wider to tho south, and reaches nearly 500 miles inland in the parallel of the embouchure of the Yang-tec-kiang. The whole plain, containing 210,000 square miles, is seven times as large as that of Lombardy, with which it may in many respects be compared.

The northern part of the plain has a dry sandy aoil, impregnated in many parts with saline matter and destitute of trees, but it produces millet and wheat in abundance. South of $35^{\circ} \mathrm{N}$. lat the whole trect along the cosst is very low and swampy, being partly covered with nnmerous laken and lagunes, and intersected by numerous witercourses both artificial and natural. It produces a great quantity of rice. Farther inland the soil is more firm and dry and of great fertility, which is increased by the abundance of water drawn from the riversead small lakea It produces rico, cotton, wheat, and tobacco. The southern districts bordering on the banks of tho Yang. tso-kiang differ from the other in not being a flat level, but having a surface slightly uudulating, on which even a range of hills rises, as the eantern prolongation of the Pe-ling. It is not however less fertile than the other districts. Among its mont valuable branches of agriculture is tea, whlch is extensively cultivated on these low hills (betweeu $30^{\circ}$ and $32^{\circ} \mathrm{N}$. lat.).

The enstern portion of this plain is traversed by the Great or Imperin Canal, which begins on the south at the Lown of Hapg-tehcoufoo ( $80^{\circ} \mathrm{N}^{\circ}$. Int. ), and extendet o the town of Lin-tchin-tcheou, where it falls into the river Lu-ho, or Ou-j-ho. Its length cxceers 500 miles in a straight line, but its actual length is acarly 700 miles. Some portions of it have been made mervly for the purpose of internal anigation, but in others the deaign of draining and irrigating the adjecent country has been counceted with it; hence it differs widely from all the cauals mado in Europe. Its breadth is considerably greater, and its waters are in fow places altogether without a cur rent. At a few points it is cut through rocke ; it often traverses lakes and ewampe of consldcrablo extent, running on an artificial elevation sometimes twenty feet above the surface of the country. It flood$g^{\text {ates, }}$, bridges, the vesels which navigato it, and the number of towns and vlllagee lining it banks, excite the admiration of all travellers. By this canal, and the naviguble rivers Yang-tse-king and Kan-klang on the south, and tho rivers Eutho and P'ei-ho in the north, goods may be transported by witer from the foot of the Mci-king Pass to the town of Tong-teheou-foo, a few miles distant from Peking. That portion of the cabal which lies sonth of the Hoangeho was made in the 7th century, or woon after; but the more northern part in the 18 th ceatury by Knblai Khan and hin successore, when the Tartar dynaty hed removed the imperial residence from Nanking to Peking.

The fertility of 1 in soil and the advantagem resulting from the Internal mavigntion afforded by the Great Camal and its numerous braoche, have madered this plain the mont populous apot on the carth: its lahabitante, scoording to the native censns, mount to 170 millions, or about two-thirds of the whole population of Europe. To protect this rich plaln the Great Wall wan erected, whlch inclosen Chine on the northern boundary, and extends over monntain and thruugh valleys, and is contiuned' by bridges seroos rivere for obout 1400 mllen. Thi great work was constructed rather more than 2000 years aince, or about 200 years before the Christian era, by the first univeral monarch of Chins as a defonoe nginst the nomatle tribes of Tartars, who have never ceased to infent the conntry to the south as long an it has been subject to a reparste dominion. The main sub-
atanee of the wall is earth or rubbish, retained on each side by a thlck cablng of atone and brick, and corraced by a platform of square tilos It bounds the whole north of China, extending along the frontlers of three provinces, a diatance of nearly 10 degrees of longituda. From ith enstern extromity there is en extennive slockade of wooden piles inclosing the country of Mougden, and which in some Luropean maps has been erroneously represented as a continnation of the solid barrior. The cotal helght of the wall varics from 15 to 80 feet, on a basia of tone projecting 2 fect under the brickwork, and about the mame iu hoight. The thickness of the whole wall at the base is 25 feet, diminiohiug to 20 and in placos to 15 foet at the platform. The towers are 40 feet aquare at tho base, diminialing to 80 feet at the top, and about 87 feet in height. The thinmese of the parapet of the wall, being only 18 inches, justifies the conclusion that it was not intended to resist cannon; and it appears cortain that the ute of froarms is comparatively modern in China, howerer anciont the invention of gunpowder.

Numerous rivers drain aud water China, but by far the greater number flow iuto the Hoaro-HO and Yayo-Tse-kiawd, which aro among the greatest rivers of the globe. Among the rivers which do not belong to the systems of those two great rivers two require notice here, the Pei-ho and the Tasi-kiaug. The Pei-ho, or White River, rives on the mountains north-west of Pcking, near the Great Wall, aud flows in a south-eastern direction to the town of Tong-tcheou-foo, a fow miles cast of Peking, where it becounes navigable for large riverboats. Continning in the same direction, it unites with the Euho, a wuch larger river than the Pej-ho itself, which rinen near the banks of the Hoang-lio, and running in a northeeast direction is connected with the Great Canal at the town of Lin-tchin-tcheon : the remainder of its course may be considered as the continuation of the canal. The tides come up nearly to the place where the Eiu-ho meets the Pei-ho, a distance of more than 80 miles llence to the sea the Pei-ho rum nearly due east, and at its mouth has a bar which at low tides has only two or three feet of water upou it; but at high tides, which here rise Give or six feet, the bar does not prerent the fat-bottomed Chinese junks from entering the river. There is perhapa hardly another river in the world which is navigated by so many reasels as the Poi-ho. The Ta-si-kiang, or the River of Canton, rises east of the lown of Yun-nan ( $103^{\circ}$ E. long.), and runs the firat half of its courso in a narrow valley between high mountains, and the other half in a wide, fertile, and well-cultivated one ; towards its mouth it drains the plaiu of Canton, and roceives the Pe-kiang. The general directiou of its course is frovn west to cast, and it is navigated to a conniderable distauca.

Iu the interior are numerous lakes, of which the largest is the Tonting-hou ( $113^{\circ} \mathrm{E}$. long.), which is above 200 miles in circuit; it receives the waters of a vast number of amall rivers, and discharges itself into the Yang-tse-kinag. The Phoyang-hou ( $116^{\circ} \mathrm{F}$. long.) is also of very large dimensioun, and in much admired for the beauty of the surrounding scencry; it also discharges its superfluous waters into the laug-tse-kiang. The Tay-hou ( $120^{\circ} \mathrm{E}$. long.), the Kan-ycw hou ( $110^{\circ}$ E. long.), the Hong-tso hou, near the junction of the Grand Canal with the Hoang-ho, are also large and colebrated lakcs. All the lakes are well stored with fish.

Mineralogy, dec.-Of the geological character of a country of such vast extent, and of which so mmall a portion has been explored by men of science as China, it would be mauifestly useless to pretond to give any account. It is however certain that the range of rocks embraces most of the primitive and metamorphic series, and ylelds a valuable variety of building stoues and slates. The porcelain clays are of great cxcelleuce.
The variety of surface through the wide extent of the empire affords a rich fund of minerals and metals. There can cxist no doubt of the abundant supply of coal throughout China, nor of its general use, which wo find from Marco Polo was known to the Chinces before its adoption in Furope. Lime they possess in all its combinations. Limestone of good quality in abuudant, and lime-kilns are very numerous. The dark gray marble used at Canton is coarse, and unsusceptible of a fine poliah; the shopm contain largo quantities of striated gypsum or alabaster. At the head of minerals the Chinese place their famous yu-stone, which is nephrite, or jade. As the country abounds in the primitive rocks, it is comequently rich in metals. Gold is obtaiued lu the mative state from the sands of the rivera in Iua-nhn, near the frontiers of the Birmese country, well known for its richness in that metal; iu Yun-nan alno silver-miues are worked. Iron in obtained in many parts of the empire. Ordinary copper comes from Iun-nan and Kuei-chow, and an abundance of inalachite, or green copper-ore is obtained near the great lake in Hoo-knAng. The famou pë-tung, or white copper, which taken a polish not nulike silver, come from Iun-nan: a considerable quantity of quicknilver is obtained in Kuei-chow; and there in a rich znine of tutenag, or zinc, in Hoo-pé. Arsenic, orpimeut, cobalt, \&c. are found. liock-salt and salt obtained by the evaporation of sea-water aro articlem of great traffic. Rubien, amothysta, maphires, beryls, topazen, cryatals, and lapiedaruli are met with in some parts

Climale-In regard to the climate of China, a dietinguishing fonture is the unusual cxcess in which heat and cold prevail in some part of the empire at opponite sensons of the year; an well as the low average of the thermometer in compariem with tho latitule.

Although Peking is nearly a degree to the south of Naples, the latitude of the former place being $39^{\circ} 54^{\prime}$, of the latter $40^{\circ} 50^{\prime}$, the mean temperature of Peking is only $54^{\circ}$ of Fahrenheit, while that of Naples is $63^{\circ}$. But as the thermometer at the Chinese capital sinks much lower during the winter thran at Naples, so in summer it rises somewhat higher. The rivers are said to be frozen for three or four months together, from December to March; while, during the emhassy in September 1816, a heat of between $90^{\circ}$ and $100^{\circ}$ was experionced in the shade. It is well known that Naples and other countries in the extreme south of Europe are strangers to such a degree of long-continued cold, and are not often visited by such heats. Europe, observes Humboldt, may be considered altogether as the western part of a great continent, and therefore suhject to all the influence which causes the western sides of continents to be warmer than the eastern ; and at the same time more temperate, or less subject to excesses of hoth heat and cold, hut principally the latter. The mean annual temperature of Canton and Macao, which lie nearly under the tropic, is what commonly prevails in the 30th parallel; and it is surprising to contrast their meteorological averages with those of Calcutta, which stands very nearly in the same latitude. The total fall of rain varies greatly from one year to another; the average annual qnantity is ahout 70 inches, but it has been known to reach 90 inches and upwards. Vegetation is checked in the interval from Novemher to Fehpuary, hot less by the dryness than by the coldness of the atmosphere: the three winter months being known sometimes to elapse with scarcely a drop of rain. The northeast monsoon, which commences at Canton and in the adjacent seas to the southward and eastward in Septemher, hlows strongest from Decomber to Fehruary, and begins to yield to the opposite monsoon in March or April. About that period the southerly winds come charged with the moisture which they have acquired in their passage over the sea through warm latitudes; and this moisture is suddenly condensed into thick fogs as it comes in contact with the coast of China, which has heen cooled down to a low temperature by the long-continued northerly winds. The latent heat given out hy the rapid distillation of this steam into fluid, produces the sudden advance of temperature which takes place about March; and its effect is immediately perceptible in the stimulus given, by this union of warmth with moisture, to vegetation of all kinds. With the progressive increaso of heat and evaporation commence those rains which tend so greatly to mitigate the effects of the sun's rays in tropical climates. In the month of May the fall of rain has heen known to exceed 20 inches, being more than one-fourth of all the year, and this keeps down the temperature to the moderate average of about $75^{\circ}$, while in Calcutta there is no portion of the year more dreaded than May. At length the increasing altitude of the sun, which becomes just vertical at Canton about the solstice, and the accumulated heat of the earth, bring on the burning months of July, August, and Scptember, which are the most oppressive and exhausting of the whole year. The extreme rarefaction of the atmosphere now begins to operate as one of the causes tending to the production of those terrible hurricanes, or rushes of wind, called typhoons, which are justly drearled hy the inhabitants of the south of China; hut which chielly devastate the coasts of Hainin, and do not extend much to the north of Canton. They seldom last 48 hours, and their usual duration is less than 24 hours.

Botary, Agriculture, dec.-At the head of Chinese botany may properly be placed the tea-plant. The specimens from the hlack and grcen tea countries differ slightly in the leaf, tho northern variety, Thea viridis, from which the finer green tea is usually made, being a thinner leaf, rather lighter in colour, and longer in shape than the other; but Mr. Fortune has shown, what indeed the Chinese themselres acknowledge, that either black or green tea may he prepared from any tea-plant. At Canton green and black teas are made from the Thea Bohea, at the pleasure of the manufucturer. The Camellia bears the same came in China with the tea-shrub, and possesses most of its botanical characters; they in fact constitute two genera very closely allied : great skill is displayed hy Chinese gardoners in their culture. The Laurus Camphora, one of the most remarkahle productions of China as well as Japan, is a fine timber-tree, growing in the southern provinces to the height of 50 feet. The hemp-palm is a vory haudsome tree, and is peculiarly valuable to the northern Chincse, who use its large, brown, hair-like bracts for making ropes and cables, and numerous other useful articles. But far more valuable is a kind of bamhoo, the stems of which are sometimes a foot in circumference, quite straight and smooth, sud from 30 to 50 feet in height; every part of which is applied to some useful purpose,
while the varicty of services it renders is according to Mr. Fortune while the variety of services it renders is according to Mr. Fortune found in China is the Funereal cypress, which has a nearly straight stem about 60 feet high, and weeping willow-like branches, with slender and graceful leaves, somewhat resembling those of the arborvitso. From the seeds of the Dryandra cordata the Chinese extract a varnish for boats, and for the conrser implements of domestic use;
the fine japan varnish however is obtained from the taje-shoo, or the fine japan varaish however is obtained from the taic-shoo, or gum. The Chinese procure their tallow from the Croton sebiferum, the seed of which, as soon as it is ripe, opens and divides into three
parts, discovering as many kernels within the capsule, each attached hy a separate foot-stalk, and covered with the vegetable grease of a snowy whiteness. The plant from which the pithy substance vulgarly called 'rice-paper' is prepared, seoms to be a leguminous species growing in marshes, and found in some parts of India. The square pieces purchased in China are ohtained from the stem, which, not being above an inch or two in diameter, is out in a circular manner, and the cylinder in thie way rolled out and flattened. The Smilax, or China root of commerce, commonly known as a sudorific, may he seen growing near Canton. That valuahle medicine rhuharb is cultivated to the northward, in the cold and mountainous provinoe of Shen-si. The ginseng is very generally usod as a tonic, and is very largely cultivated. The Chinese cassia, an inferior cinnamon, is grown in Quang-si, and largely exported in European ships.

Among the most remarkable fruits of China are three distinct species of orange, as different as one sort of fruit can be from another of the same geuus. The first is the 'China orange' of Europe; the second is of a pale yellow colour, but very sweet, and with a highly aromatic rind; the third, and perhaps best sort, has a deep crimeon rind when ripe, quite detached from the fruit, the lobes of which are almost loose, and surrounded with a kind of net-work of fibres. Another description of Citrus, of the lemon kind, hy the exercise of some horticultural ingenuity, is made to run entirely into rind, the whole terminating at the head in long narrow processes like fingers, whence it has ohtained the appellation of Fr-show, 'the hand of Fo.' Among the peculiar fruits of China, the lichi has heen naturalised in Bengal. Another of the dimocarpus sort, called loong-jen, or 'dragon's-eye,' is much smaller, and has a smoother skin. The loquat is a fine fruit (when well ripened) of the Mespilus kind. The wampee, as it is called at Canton, has heen compared to the gooseberry, which it resembles only in size; its fruit, which grows in bunches on a good-sized tree, has a yellow skin, inclosing a rather acid pulp that surrounds two or three seeds of a green colour. At the head of cultivated flowers the Chinese place the Nelumbium, in consideration of both its heauty and utility. The seeds, in form and size like an acorn witbout its cup, resemhle nuts in flavour: the roots are sliced and eaten as fruit. Another highly esteemed flower is the Olea frayrans, allied to the olive of Europe, and remarkahle for the fine scent of its blossoms. The famous mow-tân, or treepeony, flourishes only in the north of the empire. The chrysanthemum is much and very successfully cultivated, and highly valued for the variety and richness of its colours. The choo-lan (Chiloranthus inconspiculs) is used in scenting the tea that hears its name. The azalea is also a favourite garden plant. Weigelas, gardenias, roses, viburnums, and a very great number of hilliant flowers are carefully raised in the numerous gardens and nurseries, which are required to supply the universal love of the Chinese for flowers.

Agriculture is pursued with the greatest industry. Everywhere the land is diligently cultivated, but both the implements and the methods of agriculture are in a backward state. Irrigation is however well attended to wherever it is needed, and due attention is given to manuring the land ; every substance fit for manure, whether solid or liquid, being carefully husbanded. The farms are generally small. All kinds of grain are cultivated, but rice is the prinoipal crop ; and so well is its culture managed that the rice of Chins is said to be brought to greater perfection than that of any other country. Over a great part of China two crops of rice are ohtained annually; and sometimes three crops of rice, or two crops of rice and one of vegetables are ohtained. Most of the ordinary vegetables are raised in considerable quantities, the Chinese generally being great eaters of vegetables; potatoes however are only grown largely in Macan. Tohacco, cotton, and sugar are also raised to a considerable extent. In the silk districts vast quantities of mulberry-trees are grown for feeding the silk-worms. Mr. Fortune states that in the Hang-tcheou distriot alone, " going in a straight direotion through the country, during tbo space of two days, in which time he must have travelled upwards of a hundred miles, he saw little else than mulberry-trees, evidently carefully cultivated, and in the highest state of health, producing fino, large, atd glossy leaves." The Chiuese plant the culture of which is of most importance to foreigners, and secoud only to rice with the Chinese themselves, is howcrer undoubtedly the tea-shruh, the growth of which is very widely spread. Mr. Fortune, who under the patronage of the East India Company travelled through the tea-districts, says that he has " met with it in cultivation iu China, from Canton in the south up to $31^{\circ} \mathrm{N}$. lat. ; and Mr. Reeves sajg it is found in the province of Chang-tung, near the city of Tang-chow-foo, in latitude $36^{\circ} 30^{\prime} \mathrm{N}$. The principal tea-districts of China however, and those which supply the greater portion of the teas exported to Europe and America, lie between $25^{\circ}$ and $31^{\circ} \mathrm{N}$. lat., and tho best districts are those between $27^{\circ}$ and $31^{\circ}$ ". ("Tea Districts of Chins,' p. 272). Nothing can well exceed the patient attention hestowed, hoth on the cultivation of the shrub and the preparation of tho leaf; but for the methods employed wo must refer the reader to the work just quoted, to Ball's 'Cultivation and Manufacture of Tea,' and to the article Thea, in English Cyc., Nat. Hist. Div. The wonderful quantity of toa annually grown and manufactured may be readily conceived, when it is stated that tea is the universal beverage throughout China, heing taken
many times during the day ; ant that above 100 million of pound are annually exported: Mr. Travera indeed entimates ( $A$ fow Words on the Tea Duties,' 1853) the total amount of the dried leaf produced annually in China at no lems than 2210 millions of pounds weighe.
No good land is roserred for pasturo in Chinn. Cattlo and horses are turaed out on waste or unprofitable land. The mising food for cattlo is no part of a Chineso farmer's occupation. Agrionlturists are exclnsircly employed in raining food for mana. Fow cattle are kept. The cows are mall and of inferior value. Tho Chisese generally lare an invetenate prejudice sqainst the uno of butter and cheese; dairy farming is consequently unknown. Tho sheop are of tho largotailed kind, but mnch maller than English sheep. Tho goats are all straight-horned. Pige are perhaps the most valuable of the animals bred for food. The greatest care is taken with them; the breed is small hut vory cxcellent, and tho flesh is pronounced hy Europeans to be of unusual delicacy of firrour: the breed has been freely iutroduced into our farmyards. Puppies and several other animals unknown to the European kitchen are, as is well known, among tho most highly prized of the animals speoinlly reared for the Chinese table.

The Chinese horsan are not nnmerous, and of a poor and stunted breed, being vory ill fed and kopt. Few things excited more the surpriso and admiration of the Chinese, in their visits to Hong Kong after it had become an established English settlement, than the size and strength of tho Eagliah horses. Asses and mules are employed in carrying loads, buffaloes in drawing the plough, but of neither in tho race good or the numbers large. The mules are however better than tho horses, and are said to bear a higher price, as being capable of more labour on less food. The demand for beasts of draught or burden is greatly lossened by the circumstance that throughout the empire loads are carried by the very akilful porters called 'coolios,' and the canal boats dragged along by men who are trained to the work, while the price of their labour is so low as to render the competition of animals generally unprofitable.

The wild animals, like the regetables of China, belong principally to the temperate zonc; since the low arernge of the thermometer (Which as fre south as Canton is little above $70^{\circ}$ ) and the cold winters are unfricndly to the existence of numerous tropical trihes which are found in corresponding latitudes of India. The larger and more ferocious descriptions of carnivorous quadrupeds are not common in a country so well poopled and cultivated. In the forests of Iuu-nAn, to the nouth-west, the Bengal tiger is said to exist, and the animal in well known to the Chincse; but at Canton, so nearly in the latitude of Calcutta, it is quite a stranger. Lions are almost a fahulous animal with them. The woods of the south abound in a small but fierce description of wild cat, which is fattened in cages for the table. The domestic dog of China is uniformly one variety, about the aizo of a moderate spaniel, of a pale yollow and occasionally a black colour, aud a coares bristly hair on the back; sharp upright earn, and peaked head, not unlike a fox's, with a tail curled over the rump. Beara are common in the hilly wooded part of Shan-si, west of Pcking. Of the common ruminnnt animals, the Chinese possess soveral Farietice of deer, particularly a spottod kind kept about their reaidences. Gerbillon describes a species of antelope abounding on the borders of Mongol Tartary, but called hy the Chinese huang-ying, ' yellow goat.' The huffalo used in ploughing is very small, with a skin of slate-colour, thinly covered with haira. Dromedaries are much used ae beats of burden hetween Peking and Tartary; but in China Proper the reasons which causo human labour to supplant every other have prevented their being adopted. The wild boar may bofound in the half-reclaimed countries on the western borders, bnt not in Central China, nor on tho cast ooast, where tillage and population have reached their present beight. Of tho other wild pachydermatous tribes, tho clephant is not at prasent an inhahitsnt of Chins, unlem it be in Yun-nan, nor is be used for purposes of either peace or war. The one-horned rhinoceros is found in the foreats of the extreme west and south. Of rodent animals, the common rat attains to an unusual size, and is well known to be eaten hy the lowest ordere of the Chinese. Dr. Gray has demcribed a glirine animal discovered hy Mr. Reeven, being nearly allied to the bamboo ret of Sumatrm, a a now genus.

The ornithology of China in dintiuguished by some splendid varietien of gallinaccous birda, as the gold and silver pheasants and Reever a pheanant, the longest tail-feathera of which approsch the extrwordinary dimenslons of six foet. Another description is called the medallion pheasant, from a besutiful mernbrane of resplendent fecthers whlch is diaplayed or contracted according an the animal is nffected. Chins sbonnds in wild fowl of all kind, and partlcularly in immense locke of gcese, obmervahlo during wintor near Canton. The juen.jang, a teal of mplendid plumage, has been called the 'man-darin-duck; and te remarkahle for tho attschment between the male and femalo: it may now bo considered an naturalised in England. The fishing corvorant, emploged on the slallow lakea of tho country in captnring finh, has been demcribed an a brown pelican with white throat; borly whltish beneath, pottod with brown; tail rounded; irides hlue, and bill yellow. Among the miscellanenus blrde of China may be coumeratod qualls which aro ofton trained to fight; the
common riagdove, of which great numbers broed in the woods about Canton; and the poculiar crow of the country, narked with white about tho neck.
Of reptiles, it is remaskable that the largent kinds of saurians, as tho crocodilo and alligator, aro unknown evon as far south as Cantous probably in consequence of the rast population and traffic that exint on tho rivers. Great numbers of the mall lizard tribes are visihle during the hot monthe, some of them infeating trecs and shruba, while othere inhabit holes in rocks or old walls, Sereral fresh-water tortoises haro been sent bome, and some ncw genern of batruchisns, or the frog kind, havo been deecribed. Notwithatanding its situation nnder the tropio, Canton in little infested by tho renomous kinds of sorpents; tho spocien most dreaded in a mallish slender snake, between two and three fect in lengtli, called by the Chinese' tho hlack and white," from being surrounded from head to tail with alternato rings of those colours
Of fishes, a large collection of Chinese specimens has been lodged by Mr. Roeves in the British Museum. The golden carp is oue of the most distinguished kinds, and has long heen hrod in Europe from the original specimens which were carried by the Dutch first to Java and thence to Holland. Of edible sea-fish the best kinds ncar Canton are a sort of rock-cod and a flat-fish called thang-yu by the Chinese, and pomfrot by Europeans. Soles are good and plentiful, but the fish most valued by native epicures is the sturgeon.

Fishing both by sea and on the rivers is most diligently practised. It is the opinion of Sir J. F. Davis that "in no other country besides is so much food derived from the waters." The fish are mostly salted, and consumed with rice.

Among insects, the locust commits great ravages occasionally in particular districts, and rowards are giren for its destruction. Some of the most poisonous tribes, as ecorpions, are not met with at Canton; but the centipede, which the Chinese call by exnetly the same name of pet-tso (hundred feet) is common. A monstrous spider has becu seen inhabiting trees, and attaining to a size and strength that ennule it to devour small birds entangled in its webs. Dr. Abel notices the Scarabars molossus, the Ccrambyx farinosus, and the mole-cricket of a large size. On a mountain lying eastward of Canton, called Lo-for. shan, there are butterllies of a gigantic size and very hrillinnt coloura, a selection of whlch is sent annually to Pekiag. The pel-là-8hoo, or wax-tree, nffords nourishment to an insect which is supposed to belong to the Coccus tribe.

Political Dirisions.-China is now politically divided into eighteen provinces, of which seven oxtead entiroly or partly over the great plain, two comprehend the hilly districts, two others the monntainous country along the sea, and the others the mountainous country in the interior.

1. Pe.tche-li extends over the most northern nud lass fertile portion of the plain, but is woll cultivated, and produces, besides regetsbles for the supply of the capital, large quantitios of millet and wheat. In it is situated Pekroo, the capital of tho whole empire; the capital of the province is Paoting-foo, a very large and populous town, in which the governor resides.
2. Chang-tung comprohends a part of the plajn and the peninsula of Chang tung, on which au inolated mouutain range rises to m moderate height. It produces wheat, millet, and cotton. Its capital is Tri-nan-foo, a large and populous town. Lin-lchin-lcheou, at the confluence of the canal with the river Eu-ho, is the depository of the goods which are carried from the southern provinces to Peking, and a very largo place.
3. Kiang-sn, which with the following proviuce once formed that of Kiang-nan, comprehends the low and swampy country on hoth sides of tho Great Canal. It chiofly produces rice aud pulse, and has cxtensive fisherics. Besides the capital, Naskiso, it contains many large towns on the banks of the canal, among which the nost remarkable are Yang-tcheou-foo, which is at a short distance from the Yang-tee-kiang, and carrics on an active trade; and Su-tcheou-foo, which to an cxtensive commerce unites great industry in manufao. turing silk and cotton goods. Its principal port is Suaso.rad, a town apparently destined to rival Cauton as an entrepot of commerce.
4. Ngan-hoei, or An-hoi, on both sides of the Yang-tse-kiang, produces, besides grain and rice, some silk. In its south-eastern districts are oxtcusive plantations of tea, and also some mines of gold, silver, and copper. The capital is Ngan-king-foo, on the Iang-tse-kiang.
5. Ho-nan is chietly in the plain, but its western districts aro traversed hy the Peling mountain range and its branches. It is rich in grain and cotton, and is supposed to contain some miues. In its south-eastern districts tea is cultivated. The capital, Khai-fong-foo, is not far from the banke of the Hoaug-lıo ; but the most populous town appenrs to be $I$ o-nan-foo, on a river whlch falle iuto tho Hoangbo, in a rlchly-cultivated valley.
6. lloo-pe comprehends part of tho undulating portion of the plain, and the wide valleys of the Han-kiang and lang-tse-kiang, with aome mountainoun dintricts. It lies in the contre of Chinn, and formerly constituted with the more southern prorince of Hoo-nan one proviuce called Hou-quang. Its fertility is very great: its products aro graln, cotton, silk, and tea, whlch are cultivated ou its uorth eastern border. Its capital, Wu-chang-foo, situated on the Yaug-twe. kiang, opposite its jnnetion with the Han-kiang, is one of the largest
of the inland towns of China, and carries on an extensive commerce. King-tcheou-foo, farther to the west, likewise on the hanks of the Yang-tse-kiang, has also a very extensive trade.
7. Che-kiang comprehends the southeastern corner of the plain and the northern portion of the mountainous country extending along the sea. It produces more green tea than other provinces, and also silk, rice, grain, and pulse in great ahundance. Its capital is Hang-tcheou-foo, on the hanks of the Tsien-tong-kiang, at the southern termination of the Great Canal, in a very pleasant situation. The city is surrounded hy strong walls, said to he 8 mil $3 s$ in circumference, and adjoining it are very extensive suhurbs. It is the residence of a great many mandarins of high rank and superior government officers; contains numerous rich temples aud puhlic buildings; and its shops are well stored with valuahle goods, and "everything," says Mr. Fortune, who passed through the city, "which met the eye stamped Hang-tcheou-foo as a place of wealth and luxury." According to Staunton its population was thought to be not much less than that of Peking, and the missionaries estimated it at one million. None of the houses exceed two atories in height: the streets are well paved. It has extensive manufactures of silk and cotton goods, especially in flowered and emhroidered satins, and a very active counmerce, as well hy means of the canal as hy the river, which is navigahle for large vessels up to the town. The principal port of this province is Ning-po.
8. Kiangsi extends over the eastern portion of the hilly country along the western side of the Nan-ling range, and in its well-cultivated valleys and plain produces grain, rice, silk, cotton, indigo, and sngar. It has some plantations of tea. The capital, Nan-tchang-foo, on the Kan-kiang, not far from the place where it falls into the lake Poyang, is a large town, and carries on a great trade. In the hilly country, which hegius at some distance from the lake of Poyang on the east, is the borough of King-te-ching, which is said to contain $1,000,000$ iuhahitants, who are occupied exclusively in the fahrication of chins-ware, which is here made in the greatest perfection. The number of furnaces is said to amount to 500 . Kan-tcheou-foo, on the Kan-kiang, not far from its source and the Mei-ling Pass, is a large town, in which Indian ink and varnish are made on an extensive sale.
9. Hoo-nan, or the sonthern part of the ancient province of Houquang, contains the remainder of the hilly country. Its productions are like those of Kiang-si. It is said to he rich in minerals. The capital, Tchang-cha-foo, on the Heng-kiang, is a large commercial town. Yo-tcheou-fuo, on the channel connecting tho large lake of Tung-ting with the Yang-tse-kiang, also carries on a very active trado.
10. Fo-kian, or Fochan, extends over the mountainous country on the shores of the sea opposite the island of Formosa. Some of the summits of the Nan-ling range here rise to a great height, hut do not attain the perpetual snow-line. The higher parts of some of the mountain ridges are bare, others are covered with trees; hut in its extcnsive and fine ralleys all the commercial productions of China are met with except perhaps varnish. Its plantations of tea are extensive, and tho greatest quantity of black tea is grown here. The inhahitants of this province are noted for their industry, and still more for their spirit of enterprise and their love of emigration. The capital is Fu tcheou-foo, on the river Ming-ho, over which a hridgo is huilt of 33 arches of fino white stone. The largest Chinese versels can come up almost to the wall of the city, the maritime commerce of which is very considerable, and its population greater than that of Canton. Tsuen-tcheou-foo, hetreen Fu-tcheou-foo and Amoy, is likewiso a large town. A great numher of vessels sail hence to the neighhouriug countries. It has a hridge huilt over an arm of the sea on 300 piers of blacks stone. Here is also the harhour of Amoy.
11. Quang-tun, K Aang-tong, or Canton, extends over the whole southern coast from $117^{\circ} \mathrm{E}$. long. to the very boundary of Cochin China, and is likewise mountainous, hut its mountains are not so high as those in Fo-kian. It has a great numher of fine and wide valleys, and the plain about Canton is of considerahle extent: it produces all tho commercial commodities of China except tea and varnish. It has several harhours, some of which may hecome of importance when China is really opened to Europeans and Anvericans. The capital of the province is Castos. Fochan, lying about 20 miles suuth-west from Canton, is maid to contain a population of $1,000,000$, and to have numerous manufactures of silk, cotton, china-ware, and colours.
12. Quang-si, extending on both sides of the Ta-si-kiang, is covered with mountains; the valleys, which are generally narrow, occupy s small portion of its surface. The mountains belonging to the Nanling range, inclosing the northern side of the province, rise to a great height, and some summits ahove the perpetual snow-line. The forests on the declivities of the hills are extensive. Its productions are rice, silk, and timher, and it is supposed to contain gold and other metals. A mountainous district towards the northern houndary of this provinco is inhahited by the Tchang-Colas, an ahoriginal and independent tribe, differing from the Chinese in language and manners. The capital of the province, Kuei-ling-foo, liea in a narrow hut fine valley.
13. Kuei-tcheou, to the north of Quang-si, is one of the most mountainons provinces of China, being traversed in all its length hy the highest portion of the Nan-ling range, several summits of which are always coverol with snow. In these mountains live the Seng Miao-tsee, an sboriginal trihe, who differ in language and manners from the

Chinese, and often make war on them. Many fortresses have heen erected in the narrow parts of the valleys to stop their incursions. The productious of the province are timber and metals, gold, silver, \&c., hut especially copper and quicksilver. The capital is Kuci-yang-foo, a comparatively sunall town, its circuit heing little more than two miles.
14. Yun-nan, the most south-western province, hordering on Cochin China, Siam, and the Birinan empire, forms an extensive hut uueven tahle-land, studded here and there with high mountains, especially towards the north, where there are several snow-capped summits. The mountains towards the south, on the houndary-line of the Birman empire and Siam, are inhabited hy a trihe of mountaineers called Lolos, or Lowas, who are only nominally dependent on the Chinese. Its commercial wealth consists of the produce of its mines, gold, silver, copper, \&o.; and of its forests, which contain timher-trees and several kinds of rare wood. The capital, Iun-nan-foo, situated on the least mountainous part of the tahle-land, is a considerahle place, and carries on an active trade with the Birman empire. A much-frequented road, running mostly on the banks of the Yang-tse-kiang, connects this town with the interior provinces of China; and another passes hence west to Yang-tchang-foo, auother considerahle town perhaps larger than Yun-nân. From this place the road contiuues to the Irawaddi River, and to Bhanmo in the Birman empire. A considerahle trade is carried on hy this route. [BIRMA.]
15. Se-tchu-an, the largest of the provinces, is nearly everywhere inclosed hy high mountain chains, and its interior is traversed by lower ranges. Its valleys are commonly wide, and often expaud into plains. The soil is rich, and produces every kind of grain as well as rice and sugar in abundance; hut its commercial riches consist principally of silk, timher, aud different kinds of metals. Its capital, Tching-foo-foo, situated on an island formed hy the Min-kiaug iu an extensive and richly-cultivated plain, is a place of considerahle trade, and very populous. Koci-tcheou-foo, on the banks of the Yang-tse kiang, is one of the most cornmercial places in the interior of China, and very populous.
16. Shen-si is more covered with rugged mountains than Se-tchu-an, and contains a much smaller portion of cultivahle land; yet the wide valleys through which the Hoai-ho and Han-kiang run are very fertile, and produce ahundance of wheat, millet, and pulse, hut little rice. The capital is Si-ngan-foo on the Hoai-ho, once the metropolis of the whole empire, a town so large that it is compared with Peking itself; it is strongly fortified, and carries on a considerahle trade.
17. Shan-si is still more mountainous than Shen-si; it has one wide and fertile valley along the banks of the Fen-ho, or Fien-ho, which is well cultivated and studded with villages and towns. It exports wheat, millet, raisins, iron, and coal. The capital is Tai-yuen-foo, a large place, with considerahle manufactures in silk and carpets, and some trade. Tai-tong-foo is one of the principal fortified places near the Great Wall.
18. Kan-si, the most north-western province of China, consists of the western portion of Shen-si, to which has heen added a comparatively narrow tract of land which extends far westward to the centre of Asia. This tract has been added with the view of separatiug the warlike and wandering trihes which inhahit the tahle-lands to the north and west of China from one another, and of preventing their incursions into Chins, The eastern part of this province is studded with high and many snow-capped mountains, and the western part extends over the stony aud sandy deserts of Central Asia; the whole is a poor country, aud thinly inhahited. The capital is Lan-tcheou, a small place on the banks of the Hoang-ho, which however carries on a hrisk trade with the tribes inhahiting the tahle-lands to the north and west of it.

To these eightcen provinces may he added the province of Leaotong, or Mougden, which extends along the northern shores of the Hoang-hai, or Yellow Sea. It constituted formerly a part of Manchuria, hut after the present dynasty had ascended the throne of China this portion was separated from it, and considered as the domain of the imperial family. It is divided from China by the eastern extremity of the Great Wall, and from Mongolia hy a atockade of wooden piles which extends to the mountains which separate it from Corea. This cuuntry is covered with high mountains except on the hanks of the Leao-ho, where there is a plain of considerahle extent, and pretty well cultivated. Here is the capital, Mougden or Mudden, now called Fung-thian-foo, a place of moderate exteut, in which are the tombs of the Manchow dynasty. Towards the boundary of Corea is Fonhoan, traversed hy the only road which connects Corea with China, and on which some trade is carried on.
Inhabitants.-In their physical characteristics, the Chinese have heeu recognised as superior to many other Asiatics. A finer abaped and more powerful race of men hardly exists than the coolies, or porters, of Canton; and as sailors, they are found stronger snd more efficient than natives of India. Though the Chincse are allied to the Mongols in the general cast of their features, the harsher points of the Mongols are in the Chinese softened down considcrably: in the thickncss of the lips the Chinese in some degree approaches, hut hy no means equals, the Negro, nor is that feature at all so prominent the nose is flattened, and the nostril expanded in the Chinese, hut not to the same eztent as in tho African : there is the same lank, hlack, and shining hair in the case of tho Chinese as in that of the North

Amerions Indians; the ame ohliquity of the eyen and eyohrown, turned upwande at the outer extremities, und a oorresponding thinness and tulty growth of beant. The Chinese too aro distinguished by a nearly total absence of hair from the surfaon of the borly. In the monllnes of the hands and feet, and of the bones of the body, compared with Enropeans, they reacmble the genorality of Aslatica. The features of the people in the South hare perhape lem of the hareh angularity of the Tartar conutennce than at Poling. Aruong those Who are not exposed to the climate the complexion is fully as fair at that of the Portuguees; but the sun has a powerful effect on their akine. Up to the ago of twenty, or a little more, they are often very good looking; but soou after that time the promivent cheek-bonee genemlly gire a harshnes to the foatures as the roundnees of youth wears off. With the progresen of age the old men in mont casen become rery ugly, and the old women, if possible, will more so.

The mornl character of the Chineso pouple is a compound of had and good traits, which, as unual, may bo traced to the influence of their political and social nystem. Industry, tranquillity, and content are unasually prevalent in the hulk of the population. Notwithstavding his power is absolute, the emperor himself always endeavours to prove that his couduct is hased in reasou and bencvolenee, the truth of the arguncent being of course a distinct affair. The advantageous features of their character, as mildneas, doeility, indurtry, penceablenes, subordination, and respect for the aged, aro accompunied by the ricen of insincerity and falsehood, with their consequences, mutusl dintrust and jealoury. Lying and deceit, being generally the refuge of the weak and timid, hare always been held aunong us as disgraceful vices, While the Chinene, at any time, do not attach the namo degree of diggace to deceit, and least of all when it is practised towards a Furopean. It would howerer be as unreasonahle to infer the character of the whole nation from the unfarourable aspect in which it appears at Canton, a trading sea-port, as to form an estimato of our national charactor in Englaud from an experience equaliy limitod and disadvantageous.

Arfa, dec.-Whatever may be the actual antiquity of the Chinesa people, no douht seems now to exist of their having beon the authora of what are justly considered in Europe as three of the most important inventions or discoveries of modorn times: the art of printing, the composition of gunpowder, and the magnetic compass. To these may be added two very remarkahle manufactures, of which they were unquestionably the first inventorn, those of silk and of porcelain. There cannot be the least douht of the art of printing having been practined in China during the 10th century of our era. The preciso mode in which they operate is certainly different from ours, but the main prineiplo, that of multiplying and cheapening books, by maving the time and lsbour of transcription, is sltogether the same. The invention of powder, as compounded of 'sulphur, saltpetre, and willow-charcoal,' is carried back hy the Chinese to a very remote date; hut its particular application to fre-erms seems to hare been European. The Chineme aarne has no reference whatever to guns, and simply implles 'firodrug,' which seems to show that the composition was npplied hy them merely to fire-werks (in which they excel at present) and other harmless or uneful purposes, long before their unwarlike npirit could have snggested the use of guns to themselves, or they could have borrowed the notion from Europe. With regard to the compaes, the attractive power of the loadstone had been known to them from ramote antiquity, hut its property of communicating polarity to Iron is for tho first timo explicitly noticed in a Chinese dictionary finished in A.D. 121. Under the head of 'loondatone' appears this definition: "A stone with which a direction can bo givon to the needle." The same word (chin) is used by them to express the magnetie and the commou working-needle, as among ourselves. Pere Gaubil, in his 'History of the Tang Dynasty,' ataten that he found, In a work written one hundred yearm later than the ahove, the uno of the compass distinctly recorded. It is curious to contrast inventions of auch high utility and importance with the very small progreas which the Chinese have made in the scieuces, as astrouongy, goography, and mathematica, for which they were not ashamed to be indebted to the Europran missiousrien. With regard to the fine arts, or thowo which minister rather to the pleasures than to the wants of mankind, it becomes nocemary to make some allowances for the peculiarities of national taste. The arts of drawing and painting do not rank to high among the Chiuese as among ourselres in Europe, and haring therefore met with less enconragement they may be expected to have made lea progreas. In drawinga where perspective is not very etrietly required, gin in representations of birds, innects, $_{\text {in }}$ fruite, and lower, they are ominently succosoful, and nothlug ean exceed the splepiour and varioty of their colourm, In regard to the Chinese muic, their inntruments aro inostly tuned lu unimon, and they heve little or no idea of accompmiment They havo certain charecters to expres the aane of every noto in their very limited male, and these they uno in writing down their airs. Their instru. mente are numerous, consistlug of different species of lutes and guitars; Gutes and other wind-inatrumente; a linmonlcou of wires, touched with two slender slips of bainboo; belle and plecen of monorous metal ; drums, and a mort of clarionot which omits mearly is poasihle the tones of the Scottish bagpipo.
liverature and Language-The autiquity of Chimeso literature in
proportionate to that of their language, and has been of course greatly promotad and increased by the early iuvention of the art of printing, whleh they have now possessed for 900 years. Specincne of this literature in rarious departments hare been afferded to Europe by the labours of Stanton, Davis, Morrinon, Klaproth, and RGmusat, who fullowed up the earlier investigntions of the Josuita at Peking, and have enabled us to form a judgroent negarding tho merite of compositlunn whlch for a long period were considered so bo inacceasible, from the difficultics of the language in whlch they were written. In logislation we posesss a translation of the penal code of the ompire in politics and morns, the sacred books of Coufueins and his followers and in philology and bellen-lettres wo base a copious and woll-oxecuted dictionary of the language; neveral travelations or abstracts of his. tories; the dramas of the 'Heir in Oli Age, tho 'Sorrown of IIAu,' 'Le Cercle de Crnie ;' an elahorate treatino coucerning their poetry; and the excellent novel or romance of the 'Fortunate Union.' The mastery which has thu been obtalned of the language of China by oeveral Europeans, among whom our own countryinen hold a conspicuous place, sormi to prove that the rumoured ditticulties attendant on its acquisition, from the alleged number and variety of the charscters, are the mere exaggerations of ignoranco. We may close this notico with giving some account of so aingular and origimal a language from Davis's work on China.

It appears that the theory of a universal medium for the communi cation of ideas, as conceived by Bishop Wilkins, has been realised hy the Chinese. While the lettern of our alphabet are mere symhols of sounds, the Chinese characters or written words are symbols of ideas, and alike intelligihlo to the people of Cochlu China, Japan, Loo-Choo, and Corea, with those of China itaelf; in the same way as the Arabie numersls are commen to all Europe, while the souuds whioh they represent in one country would convoy no moaning to the inhabitants of any other. It in in this manner too that tho unlrersality of the Chinese language extends only to the written character, and that the natives of the two extremities of the empire, who read the same books, and understand each other perfectly on paper, are all but mutnally unintelligible in speech. The roots, or original characters of the Chinese, are only 214 in numher, and might indeed be reduced to a much smaller nmount by n little dissection and analysis. These are comhined with each other to form other words, or ex press other ideas, very much in the ame way that the Individual Arahic numerals are combined to express the infinite varieties of numhers. By a apecies of analogy they may be called the alphabet of the language; with the difference that exists between an alphabot of idean asd an alphabet of sounds. These roots serve, like our alphabet, for the arrangement of the words in the large Chineme dictionary, a national work compiled by the most learned persons in the empire more than a century since, hy onder of the enlightened monarch Kang-hy. Mueh consideration is nttached hy the Chinese to the graphic beanty of their writton characters. The two most usual forms of their characters are the printed and the written, bevides which there are the senl, or eugraved form, and one or two others. The printed form (analogons to our loman type) lays claim only to clearnans and accuracy ; but the written combines correctness with elegance. It may suffice to obscrve generally, that the grammar of the language is extremely limited. In the absence of all inflexion, of which their characters are utterly incapable, the relation of words to each other iu a sentence can ouly he marked hy their position. The verb, for instance, must always precede ite ohject, and follow its agent. The cases of nouus and pronouns are determiued hy prepositious, as tsoong t'hicn, 'from heaven.' The collocation of wordy in a scuteuce must of courso he a matter of more consequence in Chinese than in those languages where the relations of different words to each other are markod hy the distinctions of number, gender, cane, and person, as ahown hy duclennion and conjugation. The 'Notitia Lingure Sinicse' of the Jesuit Premare is perhaps the heat Chinese gramnaar over written. Mr. Meadows's 'Demltory Notes on China' mould also be consulted by the student.

Commerce, Manufactures, de. -The character of the productions and trade of Chinn has been noticed in our account of the severnl provincen; the fereign trade generally is noticed noder Caston, and will befurther noticed under SHancr-11as; and the English trade undor llono Koso. The principal article of export is toa, with which Chinn supplics almont overy part of the world. The total quantity aunually exportod uow considerably exceods, as already mentioned, 100 millions of pounds. Of thls the quantity brought into Great Britain ln 1853, was 70,785,582 lban ; and nbout 10 millions of pounds went to the British colonies and East Indian preaidenoier, In the name year abere 20 millions of pounds were exported to the United States; 7 millions to llusain, and 8 or 4 millions to all other countries. Raw ailk-thrend and silk pieco-goods are the next mont important articles of export. About 20,000 bales of raw ailk aro annually exported to Fingland. The ralue of the silk-ware exported is about onn-fourth that of tho tom. Nankeons arv exported nomewhat largely to India. Sugar, sugar-candy, casia, fanoy-lackered goods, articles made In ivory, mother-of-pearl, tortoinesholl \&c, aro also among the exports. The treasure exportod is conniderahly more in amount than the value of the tea exported.

The imports of manufnctured articles are comparatively amall. Cotton and woollon goods, hardware, clocks, \&o., wo minong the
leading articles. Raw materials meet with a much readier sale; of these raw cotton is by far the most important, the value of the cotton imported exceeding half the value of the tea exported; but the substance for which the demaud has far outstripped that of all others is opium. For this drug all ranks and classes appear to have an enc rossing snd unappeasable desire, and ite supply, notwithatanding the most determined efforts of the government to suppress its use, has become of the first commercial importance. The value of the opium imported into China by the Englieh, exceeds that of the tee exported from the empire. It is to pay for the opium imported that the large amount of bullion is annually sent out of China. In 1852 treasure to the amount of $1,265,592 l$. was remitted through Hong Kong to Indis by the Peninsular and Oriental Company's steamers alone, to pay for opium brought from India, and sold to the Chinese along the coast. The import of opium, as already intimated, was until lately strictly prohibited, and it was in endeavouring to enforce the prohibition that the disastrous war with England was brought about. Since that war the importation has gone on steadily increasing, and the import was legalised by the emperor of China, for the purpone of revenue, on the 5 th of January, 1853.

Large as is the foreign commerce of Chins, it is of very inferior importance to its internal trade. Even in tea, the great foreign staple, the home consumption is, if recent estimates are at all to be depended upon, upwards of twenty times that of the foreign market. But the real home staple commodities are rice and salt. Rice is in universal use among the vast population, and its culture, transit, and sale afford the means of support to an immense number of persons. Salt is a government monopoly ; its production is on an enormous scale. The kisds used are rock-aalt, that obtained from salt-springs, and that prepard in large square fields or ealterns in marshes adjacent to the sea. Mr. Barrow counted in the vicinity of Tien-tsing 222 stacks or hills of ealt, which he computed to contain 600 millions of pounds, besides which there were numerous other hills incomplete.

In manufactnres, while adhering tenaciously to their old methods, the Chinese diaplsy remarkablo skill and ingenuity. The auperiority of their porcelain, a Chinese invention, was maintained for many centuries, and even now it can scarcely be said to be surpassed though it may be equalled in quality, however it may be in design and artistic embellishment, by that of Europe. Paper is another article of Chinese invention, and the fine silky Chinese paper is still preferred for some purpoaes of art to any European imitations of it. In unetal the Chinese are also skilful workmen. Their silk and other textile manufactures are of excellent quality, though unable to compets in the market with the machine-made goods of Europe. In preparing lackered goods, ivory carvings, and other minutely finished fancy articles for the eastern market, they display the most admirable patlence and ingenuity, however grotesque their productions often are as works of art For almost all the ordinary domeatic utensils, agricultural and mechanical implements, articles of wearing apparel, household furniture, and the various matters requisite for comfort or lnanry, the Chinese are at present independent of foreign manufacturers. As European goods become better known they will doubtless become more generally adopted; at the same time it is highly probable that the Chinese mechanics, from their remarkable imitative talent and the readiness with which they acquire an insight into new methods of working, will soon be able to produce similar goods at such prices as will enable them to maintain their standing in the home market.

Tho weighti, measures, and money of China are noticed under Cartos.

The history of the interconrse with England belongs essentlally to the commerco of Chins, and not to its general history. We therefore give it here.

The first attempt of the English to open a trade with China was In 1596, when three ships, bearing letters from Queen Elizabeth, were freighted for that parpose, but they were lost on the voyage ont; and no further attempt appears to have been made till 1637, when four merchant-ships from England arrived in Maoao Roads. In a fow days they sailed up to the Bocca Tigris, which is considered the mouth of the Canton River; but in the meantime the Portuguese, already established at Macao and truding with the Chinese, had misrepresented the purposes of the English, who, having cominunicated with the mandarinn, were directed to wait, and told that their wishes should be attended to. A few days afterwards they were, without waraing, fired upon from the fort. Incensed by this act of treachery, they sailed mp the river as far as Canton, stormed the castle, and carried off the guns. A further communication then took place with the mandaring, who laid the blame on the I'ortuguese. Cargoes were supplied by the Chinese, and the guns were restored, and the English ships milled quietly away. Little or no commercial intercourne took place for some ycars afterwards. The East India Company established by degrees small commercial sgencies at Amoy, at Ning-po, and on the inlands of Chusan and Formosa; but the trade, owing to the exactions of the mandarins, proved so troublenome and unprofitable, that the Company deemed It expedient to withdraw their agents from those places, and managed to establish a trade at Canton, which continued to advance but slowly and with many interruptions in consequenee of the high duties and the
exactions to which it was subjected. Only one ship was sent to Canton in 1734, and during the whole of 1736 the total number of European ships which took in cargoea at Canton was only ten, of which four were English, two French, two Dutch, one Swedish, and one Danish.
The exactions and insulting assumption of superiority on the part of the Chinese authorities, as well as disputes with the French and Portuguese, led occasionally to outrage and tumult; but the trade at Canton continued to advance, till at length the attention of the British government was drawn to its growing importance, and iu 1788 Lord Cathcart was appointed ambassador to China; he died however on his passage out, and the frigate in which he had sailed returned to England. In 1792 Lord Macartney sailed from Englaud in a 64-gun ship as ambassador to the Chinese emperor at Peking, accompanied by Dr. Staunton, afterwards Sir George Staunton, as secretary of legation, chiefly in order to obtain leave to trade at Ning-po, Tien-tsing, Chusan, and other placea besides Canton. The embassy was unsuccessful, and the emperor, in his communication to the king of England, stated that British commerce was to be limited to the port of Cantou.

After the mission of Lord Macartney the general condition of the English at Canton was considerably improved; the conduct of the mandarins became less imperious; the exactions fewer and less annoying; and though some of the heaviest burdens on the trade still continued, the commercial progress of the English was tolerably quiet and rarcly interrupted.

Interruptions however of some importance occurred in 1808, and again in 1814. In 1816 Lord Amherst was sent on an embassy, and though his mission was unsuccessful, it was followed by a longer interval of freedom from Chinese anuoyance than had ever before been experienced. From 1816 to 1829 only a single stoppage of British trade took place, except a short interruption in 1822, arlsing out of an unprovoked attack by the Chinese on some of the crew of the Topaze frigate, who were taling in water at the ialand of Lintin.

The exclusive trade of the East India Cempany with China terminated in April 1884, and several private ships soon afterwards quitted Canton with cargoes of tea for the British Islands. The new Act empuwered the British government to appoint three superintendents, with certain powers over the privats traders, to reside at Canton, but the Chinese refused to receive them as the official notification did not assume the form of a petition, and Lord Napier, the chief superintendent, was ordcred to withdraw from Canton to Macao. The order was not complied with; and iu September the British trade was entirely suspended by direction of the viceroy, the residence of Lord Napier surrounded by soldiers, and his supplies of provisions cut off. His lordship then applied for the assistance of two British ahips, the Imogene and Andromache, which sailed through the Bocca Tigris, silencing the batteries as they passed, and anchored at Whampoa. Negotiations were then entered into, but in vain; and in order no longer to interrupt the trade of the port, Lorl Napier withdrew to Macao, where, on October 11 of the same year. he died.
With the exception of a few disputes arising out of the smuggling transactions in opium, and the constantly-recurring requiry that all applications to the Chinese officials should assume the oharacter of a petitiou, matters went on much as usual till 1838, when fresh disturbances broke out in conaequence of the amuggling of opium. Preparations were made on December 12th to strangle a Chinese opiun-smuggler in the square immediately in front of the factories at Canton, which the Europeans resisted, and a riot and contest with the Chiness enaued. Captain Elliot, who had returned to Cauton as superintendent, on the 18 th published a notice, requiring all Briticisowned vessels trading in opium to leave the river within three days. The Chinese authorities howover were not conciliated; on Feb. 26, 1839, a Chincse opium-smuggler was strangled iu frout of the factories, in spite of the oppositiou of the Europeans; in consequenco of which all the foreign flaga were struck, and remonstrauces sent to the viceroy, to which no answer was returned.

On March 10, Lin Tsih Sew arrived at Canton as high commissioner from the Imperial court, and immediatsly commenced a series of measures which rendered a war between Chins and Great Britain unavoidable. In consequence of Captain Elliot's order (which in fact he had no authority to make nor any power to enforce) tho opium-vessels had left the river, but this was not enough for Commissloner Lin, who issued an order commanding all opium in British ships, whether in the Canton River or on he coast of China, to be given up to his officers that it might be destroyed. On the 19 th the foreign residents were forbidden to leave China. Captain Elliot joined his countrymen in the factories, which were now surrounded by Chinese soldiers, and from which the means of subsistence were
off : passports were refused; and the aurrender of all the opium on board the ships was demanded of him. Under these circumstances of intimidation 20,283 chests were delivered to the officers of Commissioner Lin, and the blirning and destruction commenced on June 3 and occupied 20 days. In July Captain Elliot having applied for a naval force, gave notice to the British merchants that all trade was to be suspended, and that tea, the produce of China, would not be admitted into the ports of Great Britain or India. In August the Volage
frigate arrived, and Canton Fra declarod In a atato of hlockade. In October the 1 Hyaciuth jolued the Volage, and the two frigates were attacked by twenty-nine war-juuks, which were beaten off with great loas In January 1810, an imperial ediet directed all trade with Great Brilain to censo for ever; the fortificatious of Canton were repaired and atrengthenel; and repented attaeks were inade on the British shipes, which were constantly roceiving additions, the command being taken hy Renr-Admiral Elliot in the Melrilie, if. A small foroe having been left in the Canton River to maintain tho blockade, the fleet sailed northward along the const of China. On July 2, 1810, a bont sent into Amoy from the Blonde, 44 guns, and benring a lag of truce, was fired upon. The Blonde having poured in her broadsides with terrido effect on the batteries and war-junkn, sailed away and rojoined the fleet Ting-hai, the capital of the island of Chusan, was taken in Jnly, after a slight resistance; and on July 10, in consequence of the refusal of the authorities at Ning-po to receiro a letter from Lord Palmerston to be tranmmitted to the Emperor of China at Peking a hlockade was announced of the cast coast of China, from Ning-po to the mouth of the Yang-tse-king, the most commercial part of the wholo senboard of China.

At the end of July 1840 , the entire British force, Including the equadron which hat aailed to the north together with the fleet assemhled in the Canton River, comprised three It-gun ships, two of 44 guns, three of 28 guns, five of 20 guns, two of 18 guns, one of 10 guns, a large troop-ship, four armed steamers, and twenty-seven transjorts, having on board thres regiments of soldiera, a body of Bengal volunteers, and a corps of Madras sappers and miners.

On the 11 th of August, 1840 , the Madagascar steamer, with Captain Elliot on boand, entered the Peiho, which flows past Peking on the sonth and falls into the Gulf of Pe-tche-li, where the rest of the feet arrived a fow daje afterwards. Lord Palmerston's communication was now received, and forwarded to the emperor at Peking, and a conference took place near the town of Tien-tsing hetween Captnin Eiliot and Keshen, the governor of the province. Some unavailing negotiations took place, until in consequence of the violation of the truce, the forts of Chuenpee and Taccok-tow were stormed and carried. These are the lowest forts in ascending the Canton River. On the eanse day the Chinese squadron of warjunks collected in Anson's Bay, under Admiral Kwan, was destroyed, and eighty guns taken. On the following morning, a boat benring a flag of truce was ment off to the Aagthip hy Admiral Kwan, with a communication to Captain Elliot Negotiations again commenced, the fleet retired to Chuenpee, and on the 20th of January 1841, Captain Elliot announced that a treaty of peace had been concluded with Keshen, hy which the island of Hong Kong was to ho ceded to the British, six millions of dollars were to bo paid as indemnity, and trade was to be resumed at Canton within ten days.

The forts at Chuenpee wero then given up, and the British took formal possession of Hong Kong on January 26. No proclamation however was issued for opening the trade at Canton, and there were rumours of warlike preparations going on up thas river. Captain Elliot waited till Fehruary 10; he theu went up to Canton, and fresh negotistions commencod ; hut on the 20th Keshen puhlished an ediet which he had receired from the emperor, rejecting the treaty concluded with the British, who then made immediate preparations for resuming hostilition. All the Bogue forts were taken, and their defeaders killed or dispersed. The fleet proceeded up the river on Fehruary 27, and found other defences prepared a little helow the island of Whampoa, consisting of mud forts, war-junks, and a great rafi across the river, very bolid and strongly constructed. All these defences were destroyed, and nothing remained hut to attack Canton. Sir Hugh Gough arrived from Nadras, and nssumed the chief cormmand of all the land forces.
On March 18 the forts and all tho other defences of Canton were tnken, the war-junkn and armed boats all dispersed or destroyed, and the city lay at the merey of the British. Nothing further was done on the 10th, nad on the 20th a sunpension of hostilities was agreed upon between Captain Elliot and the now imperial commissioner, Yang.Fang. Again a negotiation whs entered into, hut whilo it was carried on, a plot was laid for destroying the fleet. On the uight of May 20 , the sentries dincovered soveral dark-looking masses dropping down the river; these proved to be fire-rafte, consisting of boats chained together in two and threes wo to hang across the hows of a ship while tho comhustibles wore burning. They were set on fire by those who had the charge of them, wheu the Nemenis and bonts immerintely danhed among them, and towed them out of the way of the shipa. Jany of them drifted on shore, and eet fire to the suburbs of the town, while maneen of fire were seen floating down the river on all viden.

On May 23 the heighto which command the city of Canton were carried hy the Britinh troops, when a flag of truce was displayed, and on the 27 th the Chinew authoritie agrect to pay six millionn of dollan for the ransom of the city. Hostilities were consequently sumpended, fire millinns of doliari were paid, and mecurity given for the other miliion. The Britinh forces then withifew from Canton; Carly In June all the ships of war and tramporte were again at Hong Kong, and In July the Canton tride way ro-opened.

In Augutit 1811, Sir Henry l'ottinger arrived in Macno Ronds, as
sole pleaipotentiary and chlef muperintendent of trade in Chins. A large naval force wa placed at hie dinpomal, hy which the lsrge townn of Amoy, Ting-hui, Chin-lani, Nlng-po, Shang-hai, and several other placen werv taken pomension of ; and in July' 1812, a portion of the fleot asceaded the Yang leokiang ln order to athack Nauklig. At day. light on August 14 the attack wan onderod to be made, which the commisionera were lnformed nothing could suspend except the production of a documeut boaring the emperor's aignature, and authorising thern to treat definitively of peaco. After midnight, and just three hours before the attack wa to have commenced, the required documont was produced, a cessation of hostilitics onsued, and ons August 29, 1842, the treaty of peace was eigned by Sir Menry lottinger on the part of Great Britain, and hy Keyiug, Elephoo, and Neukien, on the part of the Emperor of Chlna. Tho emperoris entire rasent to the treaty was received on September 15.

The most importaut provisions of the treaty of 1812 are as follows :British suhjcets are allowed to reaide at the ports of Canton, Anoy, Foo-chow, Ning-po, and Shang-hai, and a consul is to bo appointed tu reside at each of the five ports. The island of Hong Kong is cedod in perpetuity to Great Britain. The Emperor of China agrees to pay twenty-one millions of dollurs. The company of Hong merchante are dissolved, and British merchants are permitted to carry on their mercantile transactions with any persons whatever. All British subjects, whether natives of Europe or Iudia, who may be in confinement in any part of China, to be unconditionally released. Tables of tariff to bo estahlished at each of the five ports. Correspondence between the officers of hoth governments to he on terms of equality.

A supplomentary treaty was signed at Hoomuu-chae, Octoher 8, 1843 , to which is attached the tariff of export and import dutics which are to be paid at the five ports. The principal articles relato chiefly to commercial arrangements, to the arrest and punishment of offences committed hy British and Chinese subjects, and to the stationing of a British cruiser at each of the fire ports, for the enforcemont of good order umong the cresss of the merchant veasels, and to support the authority of the British consuls. From this period the intercourse has always heen peaceful and uninterrupted.

Government.-The government of China is in principle an absolute despotisin, and the succession depends on the will and nomination of the reigning emperor. The authority of a father over his family is well known to he the excmplar or type of political rule in the couvtry. It is the object of the first of the 'Four Books' of Confueius to inculcate that from the knowledge and government of oneself must proceed the proper economy and government of a family; and from the government of a family that of a province and of a kingdoun. The emperor is called the father of the empire; the viceroy the father of the province over which he presides; and the mandarin, or magistrate, of the city which he governs; and the father of every family is the ahsolute inler of his own household. "There is nothing more remarkable," observes Sir J. F. Davis, "in their ritual aud in their criminal code than the exact parallel which is studiously kept up between the relations in which every person stands to his own parcht and to the emperor. For similar offences against both he suffers similar punishments; and at tho death of both he mourns the same time and goes the same period unshaven; and hoth possess nearly the same power over his person." The emperor is bead of the state religion, and, sa high-priest of the empire, can alone, with his immediute representatives, sacrifiee in the government temples. No hierarchy is maintained at the puhlic expenre, nor any priosthood attached to the Confucian or state religion, as the sovercign and his great officers perform that part. The two separate religious ordess of Fo (Budha) and Taou, which are only tolerated and not maintained by the government, derive support entirely from their own funds, or from voluntary private contributions.
With respect to the machinery of civil government, the emperor's principal miuistern form the 'interior council chamber,' and the chief couucillors are four in uumber, two Tartars and two Chinese; the former always taking precedence. Below these are a uumber of asscssorn, who form the chief council of state. The body whence these chief ministers aro generally selected is the llan-liu, a sort of imperial college, or Natioual Institute. The details of government husiness aro distributed among six boards or tribunals, namely, 1. The borrd of civil appointment, which takes coguisance of the conduct and administration of all civil officers; 2. The boand of revenues, which reguintes all fiscal matters; 3. The board of rites and ceremonies; 4. The military board; 5. The supreme tribunal of criminal jurisdiction; 6. The board of publie works. A very peculiar feature of the government is observablo In the Too-cha.yuen, or office of censors, the memhers of which are generally atyled I ushe. Therc are two prealdeuta, a Tartar and a Chinese, and tho nembers cousist in all of about forty or \{fty, soveral of whom are sent to various parts of the empire an imperial Inspectors, or perhaps, more properly speaking, spies. By the ancient custom of the empire they sre priv. leged to present any remonstrance to the sovereign without dsuger of losing their lives; hut they are frequently degraded if their advice is unvelcome. The provincen are placed under the primeipal charge, either singly, of a Foo-jnen, or governor; or two provinces together are made suhject to a Troong-to, or general governor, who has a Fooyuen under him for each single province. Cauton and its adjoining
provincs are togsther subject to the Tsoong-to, commonly called by Europeans ths Viceroy.
In each separate province there is a chief criminal judge and a treasurer, the latter having usually cognisance of civil suits, but his special business is the chargs of ths territorial revenue. With this he first of all defrays the civil and military expenses of his province, and whatever surplus remains is remitted by him to Peking. The subordinate cities and districts of each province in the thres ranks of Foo, Chow, and Hien, are under the chargs of their respectivs magistrates, who take their rank and titles from the cities they govern. The total number of civil magistrates throughout China is estimated at 14,000. At Canton the amount and importance of ths European trade has given rise to the special appointment of the Haekuin, or commissioner of customs, called by Europeans Hoppo, who ranks as third in the province, but has no territorial jurisdiction beyond the trade. No individual in China can hold a magistracy in his own province; and each public officer is changed about once in three years, to prsvent growing connsxions with those under his government. A son, a brother, or any other very nsar relation, cannot hold office under a corresponding relative. The various degrees of civil and military offices are partly distinguished by the colour of the ball which they wear at the apex or point of their conical caps. These ars red, light blue, dark blue, crystal, white-stone, and gilt. Each ball is accompanied by its corresponding badge, which is a piece of silk embroidery, about a foot square, with the representatiou of a hird, or other dsvice, on the breast and back of the ceremonial habit ; together with a collar or necklace of very large beads, down to the waist.
The whole amount of military throughout ths smpire, including the militia of each district, has been estimated at 700,000 , of which the largest portion are fixed to their native districts, aud cultivate the land, or follow some other pursuit. The whole are under the direction of the military tribunal, or board, at Peking. The trusty Tartar troops ars ranged under ths eight standards, each of them comprising 10,000 men, and making a total of 80,000 for a standing army. Very few mounted soldiers were seen by either of our embassies, and whatever may be their actual amount, ther ars said to be nearly all Tartars. A great differencs secms to exist between the pay of Tartars and Chinese. One of the former, being a foot-soldier, receives about fivepence a dny, with an allowance of rics; ons of the latter only fourpence a day, without the rice. The principal arms of the cavalry are bows and arrows, ths bow being of elastic wood and horn combined, with a string of silk. Their swords are generally ill made, and their matchlocks are considered by them as inferior weapons to the bow and arrow. Some are provided with shields, composed of rattans turned spirally round a centre. In the recsut war with liugland it was made very evident that where there was (as ofteu was the case with ths Tartar troops) ths greatest bravery, they were utterly inefficient against European soldiers.

The residence of the emperor aud his court for some hundreds of years past has been removed from Nanking to Peking, a city whoss population has been stated at double that of London; but various reasons conducs to render this altogether improbable. Notwithstanding the great sxtent of ths area inclosed within its walls, thers are so maany open spaces of great extent, that it is difficult, taking ths lowness of the oue-storied buildings into consideration, to imagins low such an immense number can exist within its-precincts. A large portion of the northern or Tartarian city is occupied by the iuclosure which contaius the palace and pleasure grounds of the emper $r$; the remainder is studded over at intervals with official or religious huildings, all of them surrouaded by lirge open courts; and tho Chinese city to the south has some very extensivo spaces occupied by immensely-spreading public buildings, with grounds attached. There are besides large sheets of water, and gardens devoted to the growth of vegctahles for tho city. The streets of Canton and of most of the cities are extremely narrow, admittinc only three or four foot passengers abrenst; but the principal thoroughfares of Peking, connecting its different gates, are fully one hundred feet in width.
Revenues.-Tho revenucs of China are derived principally from a land-tax, and the monopoly of salt, to which are to be added something for customs aud transit-duties; and a considerablo sum from the recently inposed duty on the importation of opium. At the Mauchow conquest a capitation or poll-tax was imposed, but this was soon taken off again; and the second emperor of the dynasty ordained that the laud-tax, which under the Chinese had been taken from the cultivators, should ever after be taken from the land-owners. The subject of the Chincse revenues seems never beforo to have becn very clearly understood. From the produce of taxation in each province, the treasurer of that provinco deducts the civil and military expenses, and all outlays, whether for public works or otherwiss, remitting the surplus to Peking either in monoy or kind. This sur$1^{\text {lus }}$ has beeu the ouly point clearly ascertained, and it has been very erroneously mistaken for the gross amonnt of the revenue. Ths difficulty of nscertaining the real expense that attends the administration of tho empire arises from a considerable portion of the taxes bcing levied in commoditios instead of money, as grain, salt, silks, aud stores of different sorts A portion of the allowances of public
cikot, DIV. FOL. II.
servants, especially at Peking, as well as of the stipends of imperial relatives, is paid in the shape of rations and supplies. Du Halde states the total revenus of the empire, including the provinces, at "about 200 millions of tasls (or upwards of 60 millions sterling), of which only 12 millions sterling are transmitted to Peking;" and more recently obtained information appear's to confirm his statement.
Laves.-We possess a translation of the Tartar-Chinese psnal code, from Sir George Staunton, and this specimen of legislation presents a very advantageous comparison with other Asiatic systems. If we estimate Chinese legislation by its result, ws shall find it (as Sir George Staunton observes) wholly inconsistent with the hypothesis of a very bad govemment, or a very vicious state of society. Mr. Ellis, who had long been in Persia and India, pronouuced China "superior to ths other countries of Asia, both in the art of government and the general aspect of society;" and adds, "that the laws are more generally known, and more equally administered; that those examples of oppression, accompanied with infliction of barbarous punishment, which offend the eys and distress ths felings of the most hurried traveller in other Asiatic countries, ars scarcely to be met with in China; that the proportion which the middling orders bear to the other classes of the community appeared to be considerable ; that, compared with Turksy, Psrsia, and other parts of India, an impression was produced highly favourable to the comparative situation of the lower orders." It is a popular maxim with the Chiness, that to violate the law is the same crims in the emperior as in a subject. "This plainly intimates (observes Sir J. F. Davis) that there ars certain sanctions which the people in general look upon as superior to ths will of the sovereign himself: these are contained in their sacred books, whose principle is literally, 'salus populi suprema lex :' aud however much this principle may at times be violated under the pressure of a foreign Tartar dominion, it neverthelsss continues to be recognised, and must doubtless exerciss moro or less influence on the conduct of the government."
Mistory.-Without attempting to deny to the historical records of ths Chiness empire a very high degree of antiquity, it is now pretty gancrally admitted, on the testimony of the most respectable uative historians, that this point has been considerably exaggerated. Ths persons styled Fohy, Shin-nooug, and their immediats successors, must be ranged rather under the head of mythology than of history; resembling those demi-gods and heroes of Grecian fable who rescued mankind from primeval barbarism. The fabulous part of Chinese history commences with Puan-koo, who is represented in a dress of leaves, and concerning whom everything is wild and obscurs. Hs is said to havs been followed by a number of persons with fanciful names, who in the styls of the Hindoo chrouology reigned for thousands of ycars until ths appearance of Fohy, who is said to have invented the arts of music and numbers, and taught his subjects to live in a civilised state. At length cams Yaou and Shun, who are stated to have been the patterns of all Chinese emperors. To the agg of Shun they refer their tradition of an exteusive flooding of the lands, which by soms has been identified with the Mosaic deluge. It was for his merit in draining ths country, or drawiug off the waters of the great inundation, in which he was employed eight years, that 'Yu the Great' was chosen by Shun for his successor. He commenced the period called Hea, upwards of 2100 years before Christ; and ths whole of the long spacs of time included under Hea and Shang is full of the marvellous, until Woo-wong was called upon to depose a tyramical emperor, the last of the Shang, about 1100 years before Christ. With him began the period of Chow, which may be considersd as the commencement of authentic history, and during which Coufucius himself lived. Though it might bs going too far to condemn all that precedes that period as absolutely fabulous, it is still so much mixed up with fable as hardly to deserve the uame of history.

The race of Chow filled the loug period of 800 years, during which China appears to have been divided into a number of petty independent states engaged in perpstual disputes with each other. The king of Tsin had long been growing powerful at the expense of the other states; he fought agaiust six nations, and at length compelled them all to ackuowledge his authority. The chief govsrament began now to assume the aspect of an empire which comprehended that half of modern China lying to the north of the great river King, but which was doomed after ths lapse of some centuries to be split again into several parts. The first emperor of the Tain dyuasty rendercd himself famous by the erection of the Great Wall which has now stood for 2000 years, as well as by ordering all the books of the learncd (including tho writings of Confucius) to be cast into tho flames.
About the ycar B.c. 201 the race of Tsin was succeeded by that of Hin, which filled ons of the most celebrated poriods of Chinese history. It was uow that the Tartars became the cause of endless disquiet to their mors civilised and peaceful nsighbours, who wsre frequently obligel to buy them off with tribute. The period of the Jan-kuo, or 'Threc States,' into which the country was dividsd towards the closo of Han, about A.D. 184, is a favourite subject of the historical plays and romances of tho Chincsc. The leader of oue of thess 'Three States' laving ut length obtained the soversignty, cstablished the
capital in bil own country IIonAn, and commenced a now dynaty. In conreqnence of the distractlons whlch had arieen from women and ennuchs interfering in affairs of government dnring the period of the 'Three States,' kind of salique law was pesed that, "queens should not relgn nor assist in public matters;" and accordingly wo meet with no female sovereigns in their history.

On the conelusion of this race of monarchs in 416 Chlna became divided into two principal kingdome Nanklng being the capltal of the southern one and Honin of the northern. For about 200 years afterwards five succossive ruces (Woo-tae) rapidly followed each other, and the salutary rule of hereditary succession being constuntly violated by the strongest, the whole hittory of the interval is m mere rocord of contests and erimos. At length in 585 the north and south of modern Chima were united for the first time in one emples, the capital of whieh was fixed at Ilondn. The last of the fire coutending races was soon after deposed by Ly.yuen, who $\ln 622$ founded the dynasty of Tang. There is remson to believe that certain Christians of the Nestorian Chureb first carme to China about this time It is recorded that forvigners arrived having fuir hair and blue eyea According to the Jesuite, whom Du Halde has quoted, a stone monument was found by them in Shen-si with the eross, an abstract of the Christian law, and the names of seventy-two preachers in Syrinc characters bearing the date of 640. The dynasty of Tang was putan end to by a powerful leader in the year 897, and the whole country was thrown into a state of war and confusion, with several aspirants to the sovereignty. This period, which lasted about fifty-three years, is principally dis tinguinhed by the incursions of the Tartar people at the eastern extremity of the Great Wall, who being eucouraged by the unsettled and divided state of the country gave great trouble by their inroads. After a succesion of civil wars Tae-teoo, the first emperor of the Soong dymasty, was mised to the throne by the military leaders, 950 . The art of printing having been just previously inventad (about 500 years beforo it was known to us), the multiplication of books becane a principal cause of the literary character of the age of Soong. The Chinese however being much less warlike than learned, the enstern Tartars advanced apace; they took possession of a part of northern China, and threatened the whole country. They were destined soon to be checked, not bs the Chinese, but by the Mongols, who inhnbited the countries which extend from the north-western provinees of China to Tibet and Samarcand. They had already conquered India, and being now called in against the Kiu or Eastern Tartars, they soon subdied both them and the enervated Chinese, whom they had been invited to protect. The Mongols might be aaid to be masters of the northern part of modern China from the middle of the 13 th ecutury. Kublai Khan, finding himself possesaned of the provinces bordering on the Wall with Peking for his capital, sent his army against the last sovereign of the Soong dynasty, then a child. Little or no resistance was offered to the Mongols, who exercised great cruelty on the vanquished. The remains of the Chinese cuurt betook themselves to the sea near Canton, and perished with the emperor, 1281. Notwith. standing the great qualities of Kublai Khan, which were calculated to lay the founlation of a permanent clomiuion, his successors of the Yuou race, as they are called, by their rapid degeneracy caused the empire to pass out of the hands of the Mongol race ln a little more than eighty years time. Enervated by the climate and vices of the south they quiekly lost the courage and hardihood which had put the country in possesslon of their ancestors ; nnd Shun-ty, the niuth emperor in succestion, was compelled to resign the empire to a Chinese. The new sovereign who commenced the native dynasty of Ming, 1366, selected Nanking as his capital, erecting Peking iuto a principality for one of him younger sons, Yoong.lo. When this prince sneceeded as third emperor of his family the capital was finally transferred (1408) to Peking; a principal reason perhaps being the necenaity of koeping in check the Eastern Tartars, who had been joined by some of the refugees among the expelled Mongola From this union aprung the Manchows, who were destined at longth to expel the Chiuese dynasty and eatablinh a permanent Tartar dominion. In the year 1618 Wan-lie, the thirteenth emperor of the Chinese dynasty, being on the throne, a wr comnenced with theso Manchows; and the empire passed in 1644 to Shunchy, the first of the Ta-taing race, of whom the seventh emperor is now reigning. Such is the brief summary of the principal revolutions in the bistory of this ancient empiro, which for noarly two cepturies past has been governed by a foreigu reee, who bad the angecity to sdopt the politieal and social eystem of a nation which oo greatly out-nnasbered themselves.

Witbin the lat few years the long-continued quiet of the empire han been twice rullely diaturbed; firnt by tho war with Eingland, of which we have already spoken, and sino that by the insurrection which is atili raglng, and whicls threatens to overturn the reigning dynasty. Of the real niture of this rebelliuu wo are at uresent in igoornec. Early in 1851 rumsur wero epread of a revolutionary movement havlug broken out in the nouthern province of Quang.si. At first it was littlo beeded; but when month after month paseod away and it rem ined uarepremed, ita progrese attructed great athontion, and the 1 mperial governu.ent watched the movem-nt with much anxiety. The insurgeute continued to inerease in number und dariug; while the Imperialisto appeared to offer but a feeble resintance. Town nfter town fell into thoir hands, aud in March 1852 they took the
important city of Nanking. In May of the following year the porttuwn of Amoy was taken, which has however been since re-takon. In September 1853 Shang-hai, the next commercial city to Cantun, wes capturad. The iusurgeats hare contisued to gain ground, moeting in remarkably fow instances with any decided reverea. By the lstest intelligence received (in Fobrunry, 1854) it apponra that the main army ls within 50 or 60 miles of Peking, and a very large part of Calna is more or leas in the hands of the rebola, As we said before, it is difficult to arrive at any certaiu knowledge of the real charnctor of the movement beyond that of ite being intended to overthrow the roigning Manchow, and as it appears to restore the Ming dyannty: By many it is bolieved to have a roligious origin, and to be mainly or equally directed to the overthrow of the exlisting state wormhip There can be uo doubt that a decidedly religioun zeal of nome kind pervades the camp of the insurgeuta, aud that a good den of religion mystory is thrown over the proceodings of the leaders. But that it ls of a Christian and oven Protestant character, as many affirm, it is very difficult to beliove. The most probable explanation of the great success of the movoment is that it was wet a-going by certain secret societies, the existence of which has loug been known to Europeans, and the branches and ramifications of which have been for many years past otretching throughout every part of the enpire and gaining over mumbers from all grades of Chin se society. This will account both for the slight opposition offered by the Chinese authorities and the ready aequiesceace of the general population; while the watchwords and religious solemuities of which so much has been said may bo parts of the original system of the secret sociotiea.

As beforo the arrival of the Europeans Chins was frequently dirided into two or three states, the northern portiou of it was called by the adjucent nations of Centrsl Asia "Cathay;" and under this name it became known to the Rusoinne and Mongols, whilet the inhabitante of India called the southern part 'Chin,' nuder which name the Portuguese and other Europeans becume acquainted with ih. In the 1 ith century, and not before, it was ascertained that Cathay was China, aud that the great towu of Cambalu was Identical with leking.
(Du Halde; Staunton ; Linday ; Ritter; Davis, China; Gutzlaff, China Opened; Hall, Narrative of Loyages and Services of the "Nemeris: Meadows, Desultory Notes on the Government and People of China Fortune, Tea Districts of China; Callery and livan, Insurrection in China; Parliamentary Papers, \&c.)

CHINCHAS, a group of three islands in the liay of Pisco, on the coast of Peru, lie between $15^{\circ}$ and $14^{\circ} \mathrm{S}$. lat., $76^{\circ}$ and $77^{\circ} \mathrm{W}$. long. They are naturally bare rocks, without a sign of vegetation of any sort, but they have obtained great celebrity for the vast quantities of guano with which they are covered. The ielands lie nearly north and south, and are soparated by channels from one mile to two miles broad. In their general formation they aro all alike. On the eastern side they jresent a perpendicular wall of rock, from the edge of which the guano slopes towarls the centre of each island, where a pinnacle of rock rises above the surface; from this point there is a gentle slope to the western shore, the guano continuing to within a few feet of the water. Each of the islauds is about two miles round ; and each presents the appearance of a flattened coue, the rocky lnequalities of the original anrface haviug been filled up and covered with the gunno, the cuttinge of which vary in depth from a handred feet to a few inchos. Konnd the baso of the islauds little rocky peninsulas jut out, in which the washing of the sea has formed many caverms, the resort of sen-lions. Whales also are frequently seen grmboling about the islauds. The middle island hus been moderately worked, but the greatest quantity of guano has been tnkeu from the uorth lslaud the south island is still untouched. The quantity of guano on the three islands has been estimated at 250 millions of tons. Guano is also fouud on the Battista Islands, aud upou San Gallen Island, which lie immediately south of the Chinchas, but only in small quantities. It is also found ou the Lobos Islands, off the nortl1-west cosst of Pcru, and at various puints along the coast of South Americn; but what is obtained from the Chiucha Islands is prized above all otber deposits on account of its extremedryness, as raiunever falls upon these ishands The stecpness of the clitis that form the shore and the great depth of water (seven fachoms close in) afforl great facilities for loading ships.
Guavo was used as a manure in the time of the Incas, and the Spaniards lenrued its use from the Peruvians. The name is a corruptiou of the Spanish 'huszo,' iteclf a corruption of the Peraviau 'huanu,' signifying exerement The substance lins been deposited in the course of ages by conutless floeks of sea-birds-pelicans, ganucts, mows, mutton-birds, divern, gulls, penguins, and others, which still frequent the inlandn, but not in sneh numbers as formerly, the great concuurre of shipe engaged in the guano traffic having driven mauy of them away. The gus no deponita are rogularly atratified, the lowerstratin are eoliditied by the weight of the npper, and are of a dark red coluur which becomes gradually lighter towerds the surface. Uuder the sun-baked crust of the surface the birds scratch deep oblique holen, in which they lay their egge, one or two in each hole, so that the upper layer of guano is oompletely honey-combed by the birds. In additiou to the excrement of birds, guano contain decomposed eggshelle, and the bones and remains of fish brought by the old birds to their young.
A ship having taken in by her boats enough guano to ballast her
approaches to a point of the coast where the remainder of the cargo is shot down the cliff into the hold of the vessel. This is managed as follows :-A deep inclosure capahle of containing four or five hundred tons of guano is formed on the top of the cliff with stakes firmly hound together hy strong iron chains; it is made wide and open at the upper end, and gradually slopes down to a point on the extreme edge of the precipice, where a small opening is left fitted with a canvass shute or pipe, which extends down the rock to the deck of the ship. Throngh this shute the guano is poured in a continuous stream at the rate of about 350 tons a-day; three days are generally sufficient for loading the largest ship. The inclosure is filled during the night hy Indians, who sleep or smoke all day. On the north island ahout 200 men, and on the middle ahout 80 , usually reside, the numbers varying with the demand for guano. They are almost all Indians; they live in wretched huts, wear hut little clothing, earn plenty of money, and seem happy iu their way, though everything about them, food and all, is impregnated with guano.
The chief countries engaged in the guano traffic are Great Britain and the United States. The quantity imported into Great Britain in 1852 was 129,889 tons, which was much less than for some previous years. The privilege of loading vessels is ohtained from the Peruvian government at a rate of ahout $4 l$. sterling per ton. There are frequently nearly 100 vessels waiting to load; and some Peruvian vessels of war are constantly stationed off the islands.
CHINGLEPUT, a tract of country forming part of the grants ohtained hy the East India Company in 1750 and 1763 from the Naboh of Arcot, and known in the annals of the Indian government as the Company's Jaghire. This tract is hounded N. hy Nellore district; W. hy the districts of northern and southern Arcot; S. hy the southern division of Arcot; and E. hy the Bay of Bergal ; it therefore forms part of the province of the Caraatic, and is included in the presidency of Madras. The soil of the Chingleput district is generally had; detached rocks of granite are continually met with in the fields, and interfere with the processes of cnltivadion. The district was invaded hy Hyder Ali in 1768 and 1780 ; in the latter of these invasions the country was so raraged that many parts were wholly depopulated. In 1794 the district was formed into a collectorate under Mr. Place, and a gradual improvement was effected. The principal towns in the district, Chingleput and Conjeverana, are described under Carnatic.

CHIOS (Khio, Scio), an island in the Egean Sea near the west coast of Asia Minor, opposite the peninsula on which Erythroe stood, and which now separates the gulfs of Smyrna and Scala Nuova. Chios lies at the entrance of the Gulf of Smyrna, and is separated from the mainland hy a channel (the Strait of Scio) ahout 5 miles wide. Its greatest length from north to south is about 32 miles, and its greatest hreadth, which is across its ncrthern part, about 18 miles; hut a little south of the central part of the island the breadth in only about 8 miles: The circuit is about 110 miles and the area 400 square miles. The island is mountainous, especially in the northern part, the principal mummit of which, called Mount Pelinæus, consists of a long line of hare rocks. Strabo reckoned 400 stadia from the northern extremity of Chios to the nearest point of Lesbos, but the distance hetween the nearest points of the two islands does not exceed 30 miles. The point indicated by $38^{\circ} 30^{\prime} \mathrm{N}$. lat., $26^{\circ} 0^{\prime}$ E. long., is in the island of Chios.
The oldest settlers, according to tradition once current in the island, were Pelasgi from Thessaly. Chios was afterwards one of the twelve Ionian states; the population that settled there was not pure Ionian, hut mixed. (Strab. 633 ; Herod, i. 142.) The dialect of the inhahitants is said by Herodutus to have heen the same as that of the people of Erythre. In the great sea-fight between the Ionian Greeks and the Persians off Miletus (b.c. 494), which resulted in the entire dcfeat of the Greeks, the people of Chios furnished 100 ships, and fought bravely. After the hattle the Persians took possession of the island: the cities and temples were hurnt, and all the handsome young females carried off. (Herod. vi. 8, 32.)

After the close of the Persian war, B.c. 480, the island passed succensively under the dominions of the Athenians, the Macedonians, the Romann, and the Byzantines. The Genoese took it in 1346, and it was governed for a long time $\mathrm{h} y$ the Genoese family of Giustiniani. Solyman the Great took it in 1566. In 1694 it was taken hy the Venetians, hut was soon after retaken hy the Turks, hy whom it was treated with especial favour, heing allotted as a kind of dowry to the Sultana mother, who sent her officers to collect the mastic gum, which is collected in great ahundance from the lentiscus in the south of the inland, and which constitutes a valuable commodity, being much used at Constantinople, and especially hy the ladien of the saraglio, for chewing. Under the protection of the Sultana, the people of Chios were safe from the vexations of the pashan and other arbitrary chiefs; they had their own magistrates, and lived is comparative freedom and security. The island accordingly prospered, and Tournefort and other travellers sgree in representing it as a garden inhabited by a happy people. Ita inhabitants amounted to more than 100,000, of whom nearly 30,000 lived at Khio (sometimes nlso called Kastro), the capital, a handsome town built in the I talian style, with a castle raised by the Genoese, on the east coast of the island. Khio is at the foot of Pelineus, and occupies the site of the ancient town of Chios. It
had a college with 14 professors, iu which hetween 400 and 500 youths of the various Greek islands received their education; a printing-office, and a good library. The estahlishment was supported hy contributions of the Chiote merchants, many of whom were wealthy, and carried on an extensive commerce with Italy and other countries.

When the Greek insurrection broke out, the Chiotes, a peaceful race, and far from the theatre of war, remained quiet, until a party of turhulent Samiotes and other Greeks from Candia, half partisans, half pirates, landed upon the island in 1822, and excited or rather ohliged the people to join the insurrection. The sequel is well known. The capitan pasha came with a large force, the Samiotes escaped hy sea, the poor Chiotes made hardly any resistance, hut were slaughtered by thousands, their wives and children were carried away aud sold as slaves, and the town of Khio was hurut. In the town and the villages of the island in 1828 there were only about 15,000 Greeks, who had escaped from the slaughter aud had returned under the assurance of protection of the new pasha.

The island is recovering from this terrible chastisement. It is naturally one of the most heautiful of the Greek islands; its surface presents varied and charming scenery; and its products are ahundant and valuahle, comprising besides mastic, wine of excellent quality, silk, wool, figs, lemons, oranges and other fruits, and cheese. The corn grown on the island does not suffice for the consumption. There is a marhle quarry near the town of Khio.

The principal towns of the island in ancient timen were Chios, Delphininm, Bolissus, Phanæ, which had a good port and a temple of Apollo, and Leuconium. Cardamyle, where the Athenians landed to attack the people of Chios (Thucyd. viii. 24), is now Khardamli, on the north-east coast of the island. Ion, the dramatic writer, the historian Theopompus, and the sophist Theocritus, were natives of this island. Chios was one of the places that claimed to be the birthplace of Homer, and the natives still show a spot on the north coast which they call Homer's School.

CHIPPENHAM, Wiltshire, a municipal and parliamentary borough, and the seat of a Poor-Law Union, in the parish and hundred of Chippenham and northern division of the couuty, is huilt principally in a valley on the left hank of the Bristol or North Wilts Avon, in $51^{\circ} 27^{\prime}$ N. lat., $2^{\circ} 6^{\prime} \mathrm{W}$. long. ; distant 10 miles N.W. by N. from Devizes, 94 miles W, by S. from Isondon hy road, and 939 miles hy the Great Western railway. The population of the muuicipal horough of Chippenham in 1851 was 1707; that of the parliamentary borough was 6283. The borough is governed by four aldermen and twelve councillurs, one of whom is mayor ; and returns two members to the Imperial Parliament. The living is a vicarage, with the rectory of Tytherton Lucas annexed, in the archdeaconry of Bristol and diocese of Gloucester and Bristol. Chippenham Poor-Law Union contains 29 parishes and townships, with an area of 56,371 acres, and a population in 1851 of 21,407 .

Chippenham received its first charter of incorporation from Queen Mary, hut there can he little doubt that it was au important town prior to the Conquest. The taking of the town by the Danes ahout the year 880 is said to have heen the cause of the retreat of Alfred the Great to the Isle of Athelney in Somersetshire. The name of the town occurs several times in Anglo-Saxon history, and is thought to have been derived from the Saxon term for market; the market at this place was from a very early period an important one. Chippenham sent representatives to Parliament as early as the time of Edward I. At Chippenham the Avon is crossed hy a handsome stone bridge of 21 arches, which has heen widened and improved, and is kept in repair and lighted with gas, from the proceeds of landed property given to the horough by Queen Mary on its incorporation. Near the stone hricge is a wooden hridge for foot passengers only. The town consists chiefly of one street, more than half a mile in leugth, which runs esstward from the bridge, aud forms a part of the coach road. The streets are well pavea and are lighted with gas, In the High-street the houses are generally huilt of freestone or of brick. The market-house, in the Bigh-street, erected hy Joseph Neeld, Esq., one of the memhers for tho horough, is a spacious and handsome structure; it has been recently greatly enlarged at the expense of Mr. Neeld. In the upper part of it is the new hall, a commodious room used for puhlic meetings. The parish church, a vener. ahle gothic structuro, is in the centre of the town; it is partly of the decorated and partly of the perpendicular style. It has been recently repewed. The Wesleyan and Primitive Methodists, Independents, and Baptists have places of worship. The Free school in Chippenham in for the education of twelve poor hoys, and is managed hy the charity trustees. There are National and British schools, and a literary and scientific institution.

From its position on a leading high road, and the importance of its fairs and markets, Chippenham has generally secured a good share of traffic. The river Avon is not navigahle till it reaches the city of Bath, hut a branch of the Wilts and Berks Canal is hrought to Chippenham, and hy it a considerable trade is still carried on, chiefly in coals. A hranch line of railway connects Chippenham with the neighhouring towns of Melksham, Trowbridge, and Westbury. Broadcloths and kerseymeres were at one time woven to a great extent in Chippenham, but the general introduction of superior and costly
zachinery luto this branch of manufacture has quite clanged the eharacter of the trade throughout the Weot of England. The quality of the fabrio howerer atill malntalns lis reputation. A small tilk manufnctory, a tan-yand, a corn-nill, two iron-foundries, and sevoral brick-flelde and malt-houses give considerable employment. The weckly market at Chippenham is held on Fridny. There is en monthly saarket for cattle and cheose. Thero aro four hiring markets for aerrants ; noveral wool fairs; nud nn annual cattle show in December. The checse markcts and cattle shows arv among the most extenaive in the west of Ingland. Four annual falrs nro held May 17th, June 22nd, October 20th, and Decomber 11th for the mice of cattle. dieop, and horsos. Chippenham poasesses a sariugn bank. A connty court and petty semsions are held in tho town.
Some mineral springs hare been found in the ricinity of Chippenham. The anclent abbers of Stanley and Lacock nre within three miles of Chippenham; the former has been converted iuto a farul-house, but the latter has been preserved, and is now the family sent of the Talbots Tho ancient forest of Chippenham and Pewsham has been long disafforested.
(Hoare, Willashire; Britton, Wiltshire; Correspondent at Chippenham.)
CHIPPING NORTON, Oxfordshire, a municipal borough, markottown, and the sest of a Poor-Law Union, in tho parish of Chipping Norton and hundred of Chadlington, is situated near the hend of the river Erenlode, in $51^{\circ} 56^{\prime} \mathrm{N}$. lat., $1^{\circ} 33^{\prime} \mathrm{W}$. long., distant 191 miles N.W. from Oxfort, 73 miles N. W. by W. from London. The population of the borough in 1851 was 2932 . The borough is gorerned by 4 aldermen and 12 councillors, one of whom is mayor. Tho living is a vicarnge with the curacy of Over Norton attached, in the archdeaconry and dioccee of Oxford. Chipping Norton Poor-Saw Union contains 33 parishes and townships, with an area of 75,071 acres, and a population in 1851 of 17,338 .

Chipping Norton is a town of considerable antiqnity, but it possennes little historical interest. It is situnted on elerated ground. The town is lighted by grs. The principal strect, which is in the ligher part of the town, is tho must modern, and contains the best houses. The parish church, n large and beautiful gothic edifice, consists of $n$ nnve, which has nn old carved oak roof, side aisles, and a chancel. At the west end is au embattled tower. There are places of worship for Methodists, Baptiste, and Quskors. The Free Grammar school, funnded in 1547, has nn income from endownsent of about 171. n year with a honse, and harl 49 acholars in 1850 , of whon 4 were free. There are National and British achools, A new townhall has been receutly erected. The manufacture of woollen goods is carried on. Druggets, horse-cloths, and a stont cloth for trowsera are made. Worsted shawls are woveu in large quantities. Chipping Nortou market is an important one for agricultural produce. The smarket-dny is Wcdnesday. There nre nine fairn or great markets for cattle in the course of the gear. A county court is held. To the north of the church is the elevated site of the keep of the old enstle. (Communication from Chipping Norton.)
CHIPPING SODBURY, Gloucestershire, a market-town and the seat of n Poor-Law Union, iu the parish of Chipping Sodbury aud hundred of Grumbeld's Ash, is situated in $51^{\circ} 32^{\circ} \mathrm{N}$. lat., $2^{\circ} 23^{\prime}$ W. long. ; distant 27 miles S.S.W. from Gloucester, and 108 miles W. from Loudlon by rond; Yate station, ou the Bristol and Gloucester line, which is one mile and a half from Chipping Sodbury, is 1283 miles frum London by the Great Western railway. The population of the parish of Chipping Sodhury in 1851 was 1195. The town Is governed hy a bailif and 12 burgesses. The living is a perpotual enracy in tho archdenconry of Bristol and diocose of Gloucester and Bristol. Chipping Sodbury Poor-Law Union contaius 23 parishes and townships, with an nrea of 61,398 scres, and $n$ population in 1851 of 18,523 .

The manor of Chipping Sodbury was given hy William the Conqueror to one of his relatives. The borough had a charter in the timo of Charles I. The town, which is situated at the foot of $n$ hill, conmints of several strects; the principal street, which is on tho high rond, in wide and handsome. It was pared a feir years back, tho cost boing defrayed by the linhabitants. The frout of the town-hall has been recently rebuilt by the corpomtion. The church, an aucient and commodious edifice, has a lofty towor. The Baptiste, Qunkers, and lloman Catholics bave places of worship. The town possemes an Endowed Graminar nchool and a National achool; also some valuahle charities. Tho population is chicfy agricultural. Msiting Is enrried on. In the neighbourhood are limo kilna, stone-quarries, and cond-pita. The sparket-day in Thuraday. Thero la a large monthly market for cleese, cattle, corn, \&ic. Fiairs are held on May 23 rl nud Jane 24 th . On a range of hills about three miles from Chlpplag Sodbury nre the remalns of a Rorman cucampment. Imme diately contiguous to the camp is Little Sodhury Manor Houso, divtinguinhod as the place in which Tyudale commeuced hls tranalatlon of the New Tentament.
(Communication from Chipping Sodlury.)
CHMNSLDF [BrRWICKsmai:]
CHISLEIURST: [KEvT.]
cluswick. [MidDLEEEI]

Clllctagong, a distriet In the montheest part of the prorince of Bengal, bounded N. by Tiperald district, F. by tho Birman ompire, S. hy the province of Arcan, and W. by the Bay of Bengal. Thin district lies between $21^{\circ}$ and $23^{\circ}$ N. Int., aud between $91^{\circ}$ and $93^{\circ}$ F. long. its length from worth to south In noout 120 niles, and its greatent breadlh 50 milea, but the enstern boundary has not been accurately defined, and the aremge breadth in supposed to be not gronter than 25 miles. The country is waterel by numerons streams, half of whlels flow towards the Bay of Bengal, and the reat into tho Irawaddi. Tho most considcrable of these atrenma is the Kinmphuli, or Chittagong River, which at its mouth forms a secmre harbour, but so embayerl, that during the contiuuance of the south-went monsoon it is generally diffenlt for vessels to put to sea. Tho chaunel of this river nt the capital, Islamabnd, is about a mile hroad; but a little higher up ite width duee not exceed 200 jranim, although the tide continues to flow strongly up the river. The source of this river Is in Ava, whence it flows sonth-west to the district of Chittagong, which it cutera by the Mugh Mountains, whero many waterfalis ocenr. In the ralley of the Kamaphuli are some rich tracts of land, cultivated by Bengalese, which yield plantains, ginger, betel-lcaf, angar-cane, cutton, indigo, and tobacco. Betweeu tho hills aro nevern] well-watered plains and rallera, of small oxtent, which are cultiratel partly by Hindoos of Bengal, and partly by Mughs of Aracan, who nigrated into the district upon the conquest of their country by tho Birmese in 1783. The majority of the Mughs who thns settled in Chittagong are traders and mechanics, only $n$ small propurtion having become cultivatora. Exclusive of the Mugh sottlera, the inhabitants of Chittagong do not exceed a million. The Mohammednn inhabitants exceed the Hindoos in number in the proportion of three to two.

## CHOASPES, or KllRKllall miver. [BaOHDad, Pablalic of.] <br> choczim, or KHOTIN. [Bessaradia.] <br> ChoLlet. [Matse-er-Lotre]

CHOLULAA, a town in Mexico, in the state of Pueble, stands in $19^{\circ} 2^{\prime} 6^{\prime \prime} \mathrm{N}$. lat., $99^{\circ} 15^{\prime} \mathrm{W}$. long. It is situaterl on the table-land of Anahuac, at an elevation of 6912 feet above the level of the sem. Cholula is a cousiderablo place, being inhabited by 16,000 sonls, but its manufacturing industry is limited to the fabrication of coarse cotton goods. In the country abont it are numerous and extonsive plantations of maguay, from which plant the natives cxtract tho beverage called pulque. Clome to the town stands the largest of the Mexican tencalli, or pyramids. [ANEMCA, Antiquities, rol. $i$ col. 309.] Tho platform on its top bas an area of somewhat more than 50,000 square feet, aud in the midst of it is huilt a church, dedicated to Nuestra Señora de los Remedios, in which mass is read cvery morning by a priest of the Indian race. The prospect from this platfurm over the aljacent plain, an far as the great mountain masses of Popocatepet! and Pico de Orizaba is very grand and strikiug. At tho time of the invasiou of Corter, Cholnla had 20,000 houses, and in the suburbs were as many. Above 400 towers of temples rose abore the town.

## chorges. [alpes, Hattes]

CHORLEY, Lancashire, a market-town and the seat of n Poor-Law Union, iu the parish of Chorley and hundred of Leyland, is situated in $53^{\circ} 39^{\prime} \mathrm{N}$. lat, $2^{\circ} 37^{\prime} \mathrm{W}$. long. ; distant 32 miles S. hy E. from Lancaster, 208 miles N.W. by N. from London by rond, nnd 211 miles by the North-Westorn railway, and the Manchester and I'reaton branch of the Lancashire and Yorkshire railway. The population of the town of Chorley in 1851 was 8907 . The government of the town is vested in a constable and visitiug magistrates. The living is a rectory in the archdeaconry and diocese of Manchoster. Chorley Poor Law Union contains 26 parishes and towuships, with an area of 37,908 ncres, and a populatiou in 1851 of 37,701 .
Cborley is situated on a hill iu the centre of the county, on the grent west rond from London to the North, near the course of a amall stream called the Chor. Chorley was erocted into an Independent parish iu 1793. Tho parish church is an nncient structure, supposerd to be of Norman origin. The tower, which is cmbattled nud has pinurces, is a later crection. St. George's church, an clegant inorlems atructure, bullt by the parliameutary oomnissioners, was opened in 1825. The Independente, Wesleyan and Primitive Methodista, Maptists, Unitarians, and loman Catholica lave placen of womslip. The Gramianr school, adjolnlug to the churehyard, has an income from endownent of 10l. 15 a yent, and had 32 acholars in 1851. Thore are Natlonal and Iufant scloolw, Independeut, Methodist, and loonan Catholic day schools; a dimpeusary, and a mariuga bouk. Six alms. houscs, hailt in 1082, are for aged women nnd widows

Chorley is a thriving msuufactnring town: its strects aro tolerably well lald out, lighted with gas, and supplied with water. The chief articles of manufacture are calicoes, muslink, and ginghams. Cottonfactories, brint-works weaving-sheds, bleaching-works, a paper-mill, coal-minen, stone-quarrios, and a patent brick and draiuing-tile manufactory aford employment to many of the inhabitants. Four miless from Chorley, lead and cirbounte of baryten are fomi. The Leeds and Liverpool Canal, and the Lancashire and Yorkshire railway afford facilities for the carringe of goods. A connty court is held in Chorlcy. The towu-hall is a neat atone building, crected in 1802, at the cost of the late John Ifollinalied, Esq. The under part of the building
is used as a market-house. The market-lay is Tuesday. F'airs are held on Merch 26 th and May 5 th for horned cattle ; on October 21et for horsee, end on Septegmber 4th, 5th, and 6th for woollen-cloth, hardware, and pedlery. In the vicinity is a mineral spa, with various descriptions of baths. The grounds are laid out as gardens and public walks.

## (Robinson, Description of the Parigh of Chorley; Communication

 from Chorley.)CHORLTON. [MANCHESTER.]
CHOUMLA. [SHUMLA.]
CHOWBENT. [LANCASHIRE]
CHRISTCHURCH, Hampshire, a market-town, parliamentary borough, sea-port, and the seat of a Poor-Law Union, in the parish and hundred of Christchurch, and the western division of the county, is eituated within the angle formed by the confluence of the rivers Avon and Stour, in $50^{\circ} 44^{\prime} \mathrm{N}$. lat., $1^{\circ} 45^{\prime} \mathrm{W}$. long., distant 24 miles S.W. by W. from Southampton, and 101 miles S.W. from London hy road. Christchurch-road station on the Southempton and Dorchester branch of the South-Western railway, which is 7 milee from Chrietchurch, is 100 milee from London. The population of the old borough of Christchurch in 1851 was 1877, that of the parliamentary borough was 7475 . The borough is governed by a mayor and burgesses, but the judicial affairs are in the hands of the county magistrates. Christchurch returns one member to the Imperial Parliament. The living is a vicarage with the curacy of Holdenhurst annexed, in the arehdeaconry and dioceee of Winchester. Christchurch Poor-Law Union containe three parishee and townships, with an area of 35,988 acres, and a population in 1851 of 8477.

The name of the borough, properly Christchurch Twyneham, is derived from a church and priory founded here by the West Saxons in the reign of Edward the Confessor. The priory was refounded and the church built in the reign of Willimm Rufue, hy Flambard, biehop of Durham. Henry VIII. assignerl the cliurch of the priory to the inhabitants of Chriatchurch for their parish church. It is a very epacious and remarkahle edifice, having much the character of a cathedral. It consiste of a nave with aigles, choir with aislee, and a lady chapel, transepts with chapele attached, a maseive square to wer at the western end, and a capecious northern porch-house. The extreme length of the church is 311 feet; the nave is 118 feet long, with the aisles 58 feet wide, and to the summit of vaulting 58 feet high; the tower is 120 feet high. The neve is of Norman date and style, with a clerestory of early decorsted ; the choir is perpendicular. The neve has a double row of massive Norman pillars, which support eemicircular arches with the characteristic Norman carvings. In the chancel ie a magnificent etone altar-screen, having the genealogy of Christ elahorately sculptured upon it. The most interesting of the mortuery chapels attached to the church is thet erected during her life by Margaret Plantagenet, counteas of Salisbury, who wae beheaded hy order of Henry VIII. in 1541. It is an exceedingly good specimen of the florid perpendicular etyle, with a richly carved roof of fan tracery. Among the many monuments iu the church is one to Viecountese Fitzharrie, hy Flaxman; there is also one by Chantry. At various times during the present century the church has been repaired, and to a great extent restored. Of the other priury buildings the only portion left is the lodge a little to the eouth of the church. Tho Independent chapel is a spacious building, and has attached to it extensive school-rooms. The Wesleyan Methodists have a new and commodious chapel. In Christchurch are a Free Grammar echool, National, British, and Infant schools, and several endowed charities. A county court ie held monthly.

The principal mnnufacture in Christchurch is that of fuzec chains for watches and clocks. The making of these chains employs about 500 persons, chiefly women and children; the chaiue are eupplied to the watch and clock-makers of London, Birmingham, nnd Liverpool. The salmon fishery is prosecuted to eome extent in the rivers Avon and Stour. A chifting sand-har prevents the approach of vessels drawing more than six feet of water, and these can only enter at high tirle. At Christchurch harbour high water occure twice every tide. Good anchorage in six fathoms water is found in the bay, enat of the harbour, abont two miles from the town. Some fragments of the keep ancl other parts of the castle are etill standing close to the north side of the churchyard. Roman and British remains have been found in and near the town. On the site of the ancient priory ie a house which in 1817 was the temporary residence of Louis Plilippe, the late king of the French. Near Christchurch ie the remarkable promontory of Hengistbury Head.
(Ferrey nnd Braylcy, Antiquities of the Priory of Christchurch; Communication from Christchurch.)

CHIRISTIANIA, the capital of Norway, is situated in $59^{\circ} 55 \mathrm{~N}$. lat., $10^{\circ} 50^{\prime}$ E. long., at the northern extremity of the Christiania Fjord [Agerrious], into which the river Agger falls close to the town. In 1810 the popnlation hardly reached 10,000 ; in 1826 it was 20,581 ; in 1845 it was 31,703 . Excopt towarls the bay the town is inclosed by high hille and mountaine, which on the north are about five milee distant, but on the other sides approach much nearer the town. The streets are wide, straight, and woll paved; the pavement however inclines from cach side to the centre of the etrect, which is thus converted into a cominun sewer. The houses have rarely more
thau two etories; most of them are built of bricks, and very few of them have auy pretensions to architectural beauty. The best street is that leading to the new palace, which is finely situated-its chief merit above the mean-looking old palace in the centre of the town. Christiania has four suburbs, which in parts are not paved. Among the public edifices are the new palace already mentioned, the Storthing hall, or legislative palace, the military acaderny, and the cathedral; but the churches generally have no architectural interest whatever. Norway, by its uniou with Sweden, obtained an independent legislative government, which has ite eeat in this towu. The university, which was founded in 1811, and for which a new building has been recently erected, is attended by about 800 students. It possesses a lihrary of 130,000 volumes, astronomicel and magnetic observatories, a botanic garden, a museum, a picture gallery, and other institutions. The sum of 33,000 dollars is annually allowed for its maintenance. The muscum of the university contains collections in zoology, mineralogy, \&c., and a variety of norther'u antiquities, consistiug of gold and silver ornaments; rude bronze idols; weapons in flint, bronze, silvcr, and gold, \&c. Like the universities of Germany it is rather a school for public officers than intended to form meu of science end learning; some of the lectures are intended as a preparatory course for young men who are designed to be practical miners. There are besides a military academy aud several other schools, au art-union, two theatres, a national bank and exchauge, military and lunatic asylums, a Freemasons' hall (a large structure in which there is a ball-room capable of containing 1000 persons), and also a society for promoting the prosperity of the country. Manufacturing industry has uot made much progress; the chief products are woollen cloth, iron utensils, tobacco, paper, \&c.; cotton factorios and iron works however are on the increase. There are eeveral distilleries and breweriee, and the town hae an exteusive trade in deals, planks, wood, fish, and other northeru produce. In one of its suburbs, called Opslo, alum is made to a considerable extent.
The castle of Aggerhuus is eituated on an eminence to the south of the town; its ramparts, which command the town and the entrance to the herbour, are laid out in walks. In the castle are prcserved the regalia of Norvay and the national archives. On the western side of the keep two brass guns, spleudidly decorated with has-reliefs, are mounted; they were cest iu 1620, and are eaid to have been taken during the Thirty Yeare' war by the Swedcs, from whom they werc eubsequently captured by the Norwegians. The castle it is said was built in 1302 ; it was last besieged by Charles X1F. in 1716. Part of it is ueed ae a prison for galley-sleves.
In the euvirons are the hotauical gardens, situated about a mile from the town on the Trondhjem road, tastefully laid out, and exceedingly rich in arctic plants, both native and exotic; the cemetery; and near it the Columu of Liberty, erected to commemorate the commencement of the Norwegian constitution, April 11, 1814. Splendid viewe of the town and bay of Christiania from the Frogneraaseu, a hill 1500 feet high, and from the oppoeite hill of Egeberg, which rises about 400 feet above the old town of Opslo.

Opslo was founded in 1058 hy King Harald Hardrade, and rose to be the third city in Norway. Upon the union of Norway with Denmark, Opelo became the capital of the former. Christopher III. and Chrietian II. were crowued in Opslo in the cathedral of St. Halvard, which also witnessed the marriage of James I. to Anne of Denmark in 1589. With the exception of the bishop'e palacc and a few houses, Opslo was entirely destroyed hy fire in 1624. The new city then huilt was named Christiania after Christian IV., who happened at the time to be in Norwey.

Steamers ply regularly between Christiauia and Copenhagen, Kiel, Christiansand, \&c. A railway is iu course of construction from Chrietiania to Lake Mjosen, which will open up some of the most fertile parts of Norway. In the open eeason the town of Christiania is said to have the healthiest and most equable climate in Europe the mean summor temperature is $60^{\circ} \mathrm{Fahr}$. ; in winter the average temperature is $23^{\circ}$ Fahr.
(Forbes, Norway and its Glaciers: Edinburgh, 1853.)
CHRISTIANSAND, a province of Norway, comprohends the most sonthern part of that kingdom, and extends from Cape Liadesnaes (the Naze), or from $58^{\circ}$ to a little north of $60^{\circ} \mathrm{N}$. lat. It is comprised between $5^{\circ}$ and $10^{\circ} \mathrm{E}$. long. Its length from south to north is 150 miles, and its arcrage breadth is about 100 milee. The area is about 14,100 square miles; the population amouuts to about 250,000 .
Cape Lindesnaes is considered as the southern extremity of the Norrska Fjellen mountain chain, which traverses Norway from south to north ae far as $62^{\circ} \mathrm{N}$. lat., and then turns east-uorth-east till it joins the Kiollen range at $63^{\circ} \mathrm{N}$. lat. This range begins with Cape Lindesnaes, hut does not attain the perpetual euow-line south of $59^{\circ}$; so that those parts of it which are called Heck Field and Hygle do not rise 4000 feet above the sea, which in this parallel is the line of perpetual congelation. But north of $59^{\circ}$, the Iocle Field, Hougle Field, Gute Field, aud Hardanger Ficld rise somewhat above it. The highest summit of the Hougle lijeld ie 4668 feet. The highest mountain however, the Gousta Fell, is not in the principal range, hut east of it: the elevation of this mountaiu is 5535 feet above the sea. From these mountain masses, which occupy more than half its surfaee, the province slopes gradually towards tho sen, forming every where a rocky,
bold, and frequentiy a high shore, which on the east and south is ulightly indented, but on the weet furms a bay of considerable extent, the Bukke Fiund. Two of its branches run many miles into the zountaing, and terminate at the foot of the ligh range. The northern and larger in onlled Narserand Fiord, and the southera Lyne Fiord. The latier may be considerod an moparating the monntains from the hilly country whlch extends eouth ward to Capo Lindeannea
The nurth eastorn part of Christiameand, about the Gousta Fell, is - very high country, callod Tellemarken, and jubahited hy a poor but hardy asd enterpriving race of inen. The numerous clefts aro filled with water, which rushes down iu rapids and cataracts with incredihle velocity. The waterfall of the Rinkan Fots is 450 feot high. These waten nuite in three streams, which fall into the lake of Nord Soëu, from which iswes a powerful and rapid stream, the Skeen-Eif, or Unerig. Eit. The couthern districts of the province are mostly wide and fertile ralleys, with a warmer climate than could be expectod in such a high latituile. Agrionlture is doly attendod to in the low grouud, and tho hills aro corered with forests of oak, pine, fir, and bisch. Thees forests are the principal wealth of the country; they supply materials for the buildiug of the nurnerous boate employed 10 fishing, and are alno an article of export in the shape of plarks aud deale. The fishery is not importaut, except that of lohsters, which aro perhape nowhere found in such iminense numbera as along the southern const botween 1 lellesund (east of Christiansand), and Lister Fiond (north-west of Lindesnes). The London market is supplied with lobsten principally from these fisheries. The chief rivers aro the Nid-Elf, which run about $8 Q$ miles, and the Torridals-Elf, which han a length of about 100 aniles; both are too rapid to be navigated. The sea aloug the south and the southenst coast is dotted with innumerable rocks and isleta.
Senides the capital, Caristiansand, which forms the subject of the next article, the follcwing places may be noticed:-A rendal, northeast of Christiansand, is a small hut pretty town built on rocke pro. jecting into the channel formod by the Tromino and other islands near the mouth of the Nid-Elf. lis etreete are formed parily by wooden bridgee and partly by canala, Its harbour, which is safe but not infge, is formed by the inland of Troumö; ships lie close to the housea, so great in the depth of water. The church is built of wood. A hrood quay, facing the south-enst, runs along the principal streat. Deals and planks are exported, and in its neighbourhood some iroumines aro worked. There are tobaceo factorien, distilleries, and ship-huilding yarda. The population, which consists chiefly of traders and fishermen, in about 3500 . Flelkeford, on the west coast ncar the head of Lal Fiord, has 3000 inhabitants and a considerable trade, The harbour in good, but the channel of the Lal Fiord is narrow. Mandul, between Chriatinnmand and Cape Lindesmanes, at the mouth of the MandalnElf, Las a safe harbour, to which vessels resort when daronged in the dangerous navigation of this sea. It exports almon, both salt and ilried, anil has about 3000 inhahitants. Saranger, on an arm of the Bukke Fiort, called the Tunge Fiord, has a spacious and safo harbur, and about 8000 iuhabitante, who are chielly supported by the herring fishery. The annual take of berriugs for curing areragen 300,000 barrels. The town, which is one of the most ancient in Norway, is built on a large promontory which commands fine riews of the fiorl with ite numerous islands and hays and the mountaina on the mainland to eastward. Stavanger gave title to a binhop before the foundation of Christiansand; it stili retrins its cathedral, which, with the exception of that of Trondhjem, is the finest apecimen of gothic architecture in Norway. The harbour of Stavanger is well aheltered by an island in front of the town. Steamers between Christiansand and the north-west coast of Norway put linto Stavanger.

The province is divided iuto the hailiwicks of Nedennia, Mandals, and Stavanger, which reapectively comprise the castera, southern, and wentera dintricta
CIIBISTIASSAND, capital of the utift or province of Christian. mand in Norway, and the residence of the stif-amtmand (high baibir of the prorince) and of a binhop, is sltunted on the Topdals Fiord ou the northern const of the Skagerack, opponite to the peninsula of Juthad, in $68^{\circ} 10^{\circ} \mathrm{N}$. Ist. $8^{\circ}$ 20 $20^{\circ}$ E. loug., and has about 12,000 inliablinnta It standi on an extensive bay, where the Torridal. Elf enkn the sea; ite harbour in enfe, and haforls a secure sheiter for vemele that narigate the laltic along this rocky coash. The town, which wor founded la 1041 hy Cbriatian IV., has long broad streeta laid out with the utrnoat regularity, and corered in the middle with deop mud. The hounce, though chiefly of woud, nre very neat and pleanul, and ecparated frum one nnother by gardens. The cathedral is built of gray olone, and in archltectural pretensionn make next to thono of Trosilijem and siavanger. There la abranch natiound bank aml a grammar schowl in the lown. The Lown aud the entrance of the harlour are defended by a fortreas erected ort the Inle of Odderis. The pringipal lranch of indtuatry in ohlp-building, this place beiug aituated in the only dintrict of Norway where ouk grown, and hence most of the reselo belonging to the meralantu of Chriatiania and 1)rammon are buile hero. It export iotwlem, logn, and deals to England. Lobater fishling aford occupstion to uumbern of the population. Stoamere ply regnalarly to Chriotiania and Trondhjem. In the gravojard of Odderpoés church, which in a little north of the town, and
is rencled by a handsoms bridgo thrown acrose the river, are several anclent tombstones; among othere one marked with a Runic inserip. tion is suppoerd to be abore 800 yean old. About three miles abore the town the Torridnio-Eif makoe a fine falf, callod Ileifon
CIIRISTIANSTAD, a fortified town ln South Swoden, in $56^{\circ} 1^{\prime}$ N. Iat, $14^{\circ} 5^{\prime} \mathrm{E}$. iong., is the capital of Christianstade Lian. [Swedes.] It is built on a peuinsula in the Ifelge Inke, whlch in furmed hy the river Ilelge An , and hasa population of 4500. The stroetare atraight and wide, and the house mostly huilt of wood. The harbour of the town is $\Delta$ hus, a small place about 10 miles from it at the mouth of the river IIelgo As in the Baltic. The town was founded hy Christian 1V. of Denuark. A canal was begun in order to form a convenient witer-oomnunication with the harbour, but as its commerce was, and is still, very limited, this work has gone to decas. Some wooileu and linen goode are madu here, and good gloven. It has been reovutly proposed to lay down a railway through Chriatianutad from the Skelder Wik, an inlet of the Kattogat on the west of the Lain to Abus, in order to relieve the commerce of South Swoden from the Sound dues.

CIIRISTIANSUND. [TRondHjex.]
CIIRISTOPHER'S, ST., or ST. KITTS, one of the Caribbean Islands, was discovered in November 1493, by Columbus, who was Bo delighted with its appearauce that he gave it his own Christian name. At this time it wan well peopled hy the Carihs, by whom it was called Liamniga, or the Fertile Island. It was never colonised by the Spaniards, hat was the first of the British sottlements in the West Indies. A party under Mr. Thomas Warnor Look posse sion of it in 1623, and four years afterwards it was shared with some French settlers. After rarious severe contentions the island was wholly ceded to the English, in whose posseasion it romained till 1782, when it was taken hy the French, hut restored at the peace of 1783 . In 1805 it was again ravaged hy the French, who however did not rotain possession. SL Kitt's contains about 44,000 neros, nearly half of which is unfit for cultivation. The other part is almost entirely occupied with plantations of sugar-cane, leaving only a small portion for cotton, indigo, pasturage, and provisions. The centre of the ieland is occupied hy rugged harren mountains, which coutain some hot spriugs. The highest point, called Mount Misery, 3711 feet above the sea, is an exhausted volcano, the crater of whioh is still appareut. The soil of the plain is chiefly a dark gray loam. The island is divided into nine parishes, and coutains four towns-Basseterre, the capital, Sandy Poiut, Old Road, and Deep Bay. St. Kitt's is governed by a lieutenant-governor, and sends 10 nembers to the House of Assembiy of the Leeward Islands, at Antigua, of which government it forms a part. The revenue in 1851 amountod to $19,665 l .5 \mathrm{~s} .2 \mathrm{~d}$., the expeuditure to $14,672 \mathrm{c} .7 \mathrm{~s}$. $6 d$. The yenr 1851 was considered a very prosperoun year in consequence of the ahundance of the harvest. The sugar exported in 1851 amounted to $72 i 0$ hogslends, being 2502 hogshends more than was exported in 1850. The value of the imports for 1851 was 112,7482 . 3s. 2 d , heing an increase over those of 1850 of $20,229 \mathrm{~h} 10 \mathrm{~s}$. 6 d . The climate, though hot, is considered healthy, but the island is subject to violent hurricancs. It lies north west and southeeast, 17 miles in iength and 6 miles in hreadth, and is separated from Novis hy a strait only a mile and a half wide. The plautations in the island are almost all in the hands of non-resident cultivatore, a system which is found to he prejudicial both to the interesta of the proprietors and the prosperity of the island. The education of the people is conducted by the Established Church, the Wosloyan Methodista, and the Moravisus. In 1851 the attendance of children at Church sohoois was 796, at Wesleyan schools 850, st Moravinu schoois 885. (Parliamentary Papers.)
CIIRUDIM, a town in Bohemia, 02 milen E.S. E. from Prague, stands on the right bauk of the Chrudinks, a feeder of the Elbo, and not far from the Parilubitz station on the Prague and Vienna railway, in $48^{\circ} 46^{\prime}$ N. Lath, $15^{\circ} 50^{\circ}$ E. long, aud has above 6000 inbabitanta. It is well built, surrounded with walls, and contains a magnificont coilegiato church, a capuchin convent, and a bigh school. The city is a royal appanage, and has its own civil court. The time of the foundation of Chrudim is uot known, hut it is cortain that it was reckouod one of the Bohemian towns in the year 1055.
CLIUDLEIGII, Devonshire, a market-Lown in the parish of Chudleigh and hundred of Exminster, in situnted on the road from lixetor to Piymouth, a short distance from the left bank of the river Telgn, in $50^{\circ} 80^{\prime}$ 上. lah, $3^{\circ} 80^{\prime}$ W. long.; distant 9 milea S . by W . from Excter, and 184 milem S.W. from London by road. Starcrosa statloa of the South Devon milway, which is about 5 miles from Chudleigh, iv 202 miles frow London. The population of the parish of Cludlelgh in 1851 wan 2401. The living is a vioarage in the archdenconry and diocene of Exeter.
The manor of Chudleigh formeriy belonged to the bishops of Exeter, who had a palnce here. In the time of Edward VI. the manor was alionaterl ; it is now the property of Lord Clifford. The town, which is situated in the midst of tuuch picturesque secuery, consists chiefly of the main street. The hounes are rather irregularly built. In 1808 a fire consumed the greater part of the town, the danage havling beon estimated at 60,000 ; ; subscription for relief of the poorer suffercre, and to awist in re-huilding the houses, amounted to
npwards of 20,000 l. There are four large corn-mills and a tan-yard. Cider is extensively made in the district. The Kingsteignton Canal, 4 miles in length, constructod at the cost of Lord Clifford, and opened in 1843, has been of considerable advantage to the town. The parish church was dedicated by Bishop Bronescomhe on the 6 th of November 1259; it consists of a chancel, nave, south aisle, north transept, and a tower, in which are aix bells, a clock and ohimes. The church has heen recently restored. The Wesleyan Methodists and Independents have places of worship. There are British and National schools. Pynsent's Free school, founded in 1669, has an income from endowment of $30 l$. a year, and had 33 scholars in 1851 ; one of the numher was a free scholar. A literary socioty has a library and reading-room. Saturday is the market-day. Fairs are held on Easter Tuesday, on the third Tuesday and Wednesday in June, and on October 2nd, chiefly for cattle. A plot of ground called the Play Park is appropriated as a public pleasure ground. Ugbrooke Park, the seat of Lord Clifford, within half a mile of Chudleigh, is much visited in summer on account of its extensive and picturesque grounds. In the park, which is well wooded, are upwards of 500 head of decr. Chudleigh Rock and its remarkable and capacious cavern are ohjects of great interest to visiters. From the summit of the rock is obtained an extensive and beautiful prospect. The blue limestone, known as Chudleigh marble, is quarried here in comiderahle quantities.
(Polwhele, Devonshire; Route Book of Devon; Mandbook of Devon; Communication from Chudleigh.)

CHÚMLEIGH. [DEvonshire.]
CHUNDOWSY: [Bareillev.]
CHUQUISACA, the capital of Bolivia, in South America, is situated near $10^{\circ} \mathrm{S}$. lat., and between $64^{\circ}$ and $65^{\circ} \mathrm{W}$. long. It stands on a table-land about 9000 feet above the sea-level, between the Pilcomayo and the Guapai, and therefore near the watershed of the La Plata and the Amazonas. The town, which was formerly called Charcas, is well built, and has a magnifcent cathedral, with large towers rising from each angle. "The towers that rise," says Temple, "over each angle of the cathcdral, and the domes aud steeples of the nunierous churches and convents, give the city an appearance of splendour and extent from a distance; within it is a neat cheerful town." The population is about 26,0u0. The city was founded by ono of Pizarro's offears, on the site of an old Peruvian town called 'Choque Chaka,' or Bridge of Gold, the treasures of the Incas having passed through it on their wny to Cuzco. It formerly gave title to an archbishop, whose palace is now the residence of the president of the republic. Among the other publio hnildings worthy of notice are the Hall of Congreas, in which the leginlature of the republic meets; the University, established in a former monastery; the College of Arts and Sciences and the Mlining School, both established in 1826. The climate of Chuquisaca is delightful, owing no douht iu great part to its elevated site. (General Miller; Tewple, French in Peru, \&c.)

CHUR. [CoIRE]
CHURCH, STATES OF THE. [Papal States.]
CHURCHSTRETTON, Shropshire, a smull market-town and the seat of a Poor-Law Union, in the parish of Church-stretton and hundred of Munslow, is situated in $52^{\circ} 32^{\prime} \mathrm{N}$. lat., $2^{\circ} 17^{\prime} \mathrm{W}$. long.; distant 18 milee S. hy W. from Shrewsbury, and 158 miles N.W. by W. from London by road. The population of the township of ChurchStretton in 1851 was 1676 . The living is a rectory in the archdeaconry of Salop and diocese of Hereford. Church-Stretton Poor-Law Union contains 14 parishes and townships, with an arca of 44,733 acres, and a population in 1851 of 6210. Churoh-Stretton is situated on the turapike road from Ludlow to Shrewshury, in a narrow valley, bounded S.E. by the Caradoc Hills, the highest of which is 1200 feet above the sea, and W. by the Long Mynd, f range of hills 1674 fuet high in the most elevated part. The parish church is a cruciform building with a central tuwcr. Some of the inhabitants are employed in the manufacture of flannel and of coarse linen cloth for packing wool and hops. Sheep aro reared in cunsiderahle numbers on the hills, and their wool forms an important article in the trade of the town. The situation of tho town is healthy, and the soil is good. The market-day is Thursday. Fipirs are held on March 10th, May 14th, July 3rd, September 25th, and on the last Thursday in Novom. ber. On the summit of Caradoc Hill are some remains of an ancient encampment; and in the peighbourhood is an insulated hill, with entrenchments on its summit, called Brocard's Castle.

CHURCIITOWN. [Conk.]
CHUSAN, of as Lord Macartney writes it, the Cheusan Islands, are a group of islands on the eastern coast of China, and forming an appendage to the province of Che-kiang. Their number is very great, and they are diapersed over that part of the sea where $30^{\circ} \mathrm{N}$. lat. cuts $121^{\circ}$ E. long. Staunton states thet between the Quesan Islands and Chusan Harbour, through a space of about 60 miles in length and 30 miles in width, the numher of islands exceeds 300 ; hut others, apparently not less numerous, lie north of Chusan Island. These numerous islands contain almost as many harhours or places of perfect secarity for shlps of any burden. Most of the islands consist of hills rising with a regular alope and rounded at the top. Though mostly close to each other thoy are divided by channels of great depth. Some of them have a very inviting aspect, and one of them in par-
ticular, called Poo-too, is described as a perfect paradise. It belougis to a sect of religious men, aud contains 400 temples. The priucipal island, which gives its name to the group, is ahont 30 miles long, and varies in width from 6 to 8 miles. The surface is diversified hy pleasant heights and well-cultivated vallegs. The chief harbour is on the southern coast towards the Chinese continent, and ouly a few miles distant from Kee-to Point, the most eastern caje of China. It is formed by three small islands, which lie ahout a mile from Chusan, and has four entrances; but these eutrances are so completely shut in by the remoter points, that the harhour looks like a lake surrounded by hills, and it has excellent anchorage for vessels. About a mile from this harhour' is the capital of the island, "Ting-ghae. The intervening space is a plain intersected with rivulets and canals, and cultivated like a garden. The road which traverses it though good is very narrow, iu order that as little land as possible may he lost to cultivation. The town is inclosed by walls 30 feet high, which overtop the houses. Along the walls at the distance of every hundred yards are square stone towers. The town is in some degree surrounded as well as intersected hy canals, and the bridges thrown over them are steep and asceaded hy steps, like the Rialto of Venice. The streets, which are narrow, are paved with square flat stones. The houses are low and mostly of one story. The numerous shous oontain chiefly articles of clothing, food, and furniture, which are arranged in good taste. Numerous towns and villages are scattered over the island. The produotions of the island include rice, wheat, aweet potatoes, chestnuts, walnuts, and tohacco. Tes, silk, and cotton are also produced to some estent. The mean temperature in winter is ahout $41^{\circ}$ Fahr.; in autumu it is about $68^{\circ}$.

The Chusan Islands are of great importance to China in a commercial view, especially for its iutercourse with Japan. This commerce is chielly carried on by the three commercial towns of Ning-po, Hangtcheou, and Shang-hai, which are sitnated on the contiveut opposito to the islands. The junks, by which this commerce is carried on, assemble at the Chusan Islands, and depart thence for Nangasaki. The islands are of importance, as protecting the commerce from the Stralt of Formosa on the south, to the peninsula of Shang-toug ou the north. If a foreign nation or a piratical chief should get possession of them the whole coast above mentioned would be at their mercy, and the maritime intercourse would be iuterrupted. In 1840, in consequence of disputes betweon the British and Chinese governments respecting some commercial transactions at Cauton, a Britisly force was sent to the Chusan Islands, which captured them after a slight resistauce. The Chinese government then hecame more disposed to yield, and after soine negotiatious a truce was agreed upon near T'ientsing, between the Chinese imperial commissioner and the British plenipotentiaries, who left Chusan for Cantou on the 15 th of Novemher 18t0. On the 24th of February 1841 tho British troops were compelled to ahandon the Chusan Islands on account of their unhealthiness. The Chinese refusing to fulfil tho conditions of the treaty of Tientsiug, the Chusan Islands were again captured in 1842, after a vigorous defence, and the British army advanced towards Nauking. Upon this the peace of 1842 was agreed to, hy which Chusan was restored to the Chinese, and the island of Hong Kong ceded to the British in perpetuity. [Ceina; Hong Kovg.]

CILICLA, an ancient division of Asia Minor, was bounded iv. by the Taurus, which separated it from Cnppadocia and Lycania; S. by the Meditcrranean Sea; E. by the Amanus rauge, whlch separated it from Syria; and W. by Pamphylin. Accordiug to Herodotus (v. 52), the Euphrates was the boundary of Cilicia and Armenia. Cilicia anciently comprised two divisions, the names of which were derived from their physical character. The western snd mouutainous part way called the Rough Cilicia (Tpaxeia), and the eastern part the Plain Cilicia ( Ifsids, campestris). Many attempts have been made hy ancient and modern writers to account for the name Cilicir; the Greeks derived it from Cilix, son of Agenor, who was said to have colunised this country. (Herod. vii. 91.) The inhabitants were formerly called Ilypachæi, according to Herodotus (vii. 91). Level Cilicla is descrihed hy Xenophon as a large, beautiful, well-watered plain, abounding in all kinds of forest-trees and vines. It yielded sesaine, panic, saffron, millet, wheat, and barley, which with rice, sugar, and cottou are still cultivated there. The date-palm is indigenous. Mountainous Cilicia was famous for a fine hreed of horses; and the anuual trihute of the Cilicians to Darius consisted of 360 white horses and 500 talents of silver. (Herod, iii. 90.) It also contained much timher, and cedar especiully was shundant there.
The first town in Mountainous Cilicia on leaving Pamphylia was Coracesium, according to Strabo (pp. 667, d, 670, a, Casaubon). The nodern name is Alaya; it is a strong natural fortress situated on n high and almost insulated rock. Concesium held out against Antiochus. (Livy, xxxiii. 20; Bcaufort's 'Karamania.')

The next town of importauce was Selinus, situated on a steep hill. The emperor Trajan died there, and the town was afterwards callevl Trajanopolis: the modern name is Selinty. Cape Anemurium (now Anamour) is the most southern point of Asia Misor; and probahly from this circumstance dcrived its name, which means 'windy point.' The small town and port of Celenderis (now Chelindreh) lies between Anemurium and Selcucia, the modern Selefkeh. The ruins of tho
mpcient Seloucia are many miles from the shore, on the west side of the river Calycaduus (Cuksin), which now at any rato flows luts the a few inilos east of Cupe Zephyrium. (Bemufort, p. 220.) A cont-range separates the valley of the Gök-Su (the most exteusive level In Moantainons (ilicia) from the men; on the north it is screnned by the Taurun. The general coume of the river is eastwarl to Solefleh, below whieh it entera the sea. The shore presenta a line of noble promontories and white anarble cliffs rising perpendicularly from the sm. This rocky character diminishes a fow miles west of Selef keh, where the highlands begin to recedo from the const. Many raro kinds of animals and birds are fouud on tho coast, and almost every district is saill to bavo some jreculiar to itself. (13enufort, p. 209.) In the time of Cicurv, Cilicia wou famous for panthers.
There is no town of much importance between Selefkeh and the river Latatus (now Lamas), which was the boundary of Mountainous Cilicis (Strabo, p. 671, c.) Here the rocks and cliffs ceace, and aro succealed by a gravelly beach and broad plains, which extend to the mountains The plain of Cilicia was drained by three large riversthe Cydaus (now the river of Tersus); the Sarns (now the Sihuu); and the Prmans (now the Jihuu)-all of which were anvigable to a conniderable distance frou the ses, but suall bosts can now with difticulty crose the bars formed by alln rial deposits at their mouths. The Cydnus pasaes through the celebrated Cilician Gates. The Sarus at Adama is above 300 feet wide. Adann or Adanal is still a place of some trado; it given name to a pashalic, and is surrouuded by a fertile tract of well-cultivated gardens. The Jihnn is 490 feet wide half a milo abore its month; on its eastern bauk, and near its mouth, in ancient times stood Mullus. The river breaks through the Taurus by a frightful chasm well described by Strabo (p. 530); in its lower conrse it now divides into several arms, and forms a delta. [Asatolua. The principal towns in Level Cilicia were Soli, Tarsus or Tarsi, aud feras or Irai. (Xenoph. 'Ausb' i. 2, 23, 26.) Soli was afterwards called Pompeiopolis, because Pompey settled the remains of the pirntes there. This town was the birthplace of Chrysippus and of the poets Philemon and Aratus. (Strabo, p. 671, d.)

Tarsus, ancieutly one of the nost celebrated citics in Asis Minor, still bears a reapectablo rauk: its modern name is Tersoos. Tarsus was the birthplace of the apostle Paul, and a sehool for the situdy of philosophy aud the arts. It stood in a plain on the banks of the Cyduus. The water of the Cyduns, as of the other rivern aloug this cont which carry down the melted suow from the ridges of Taurus, is extremely cold; injudicious lathing in it proved fatal to Frederick Barbarossa, and uearly so to Alexander the Grent. The Cydnus has undergone a great change from the deposits carried down from the mouutains : formerly it receivel large ships of war; now none but the manallent boate can enter it (Beanfort, p. 2055.) Isans was situated in the eastern part of the plaiu of Cilicin, at the heal of the lesic Gulf, or Gulf of Scanderoon : hero Alexander defeated Darius u.c. 333. The Pyrsmus, between Tarsus and the plain of Issus, has brought down such a quantity of mand and earth that the river has been diverted tweatg-three miles from its ancient courmo: in Strabo's tirue the l'sramus enterod the res a littls to the cast of Cape Merarsus (Karadash); now the mouth is wot much west of Aiguere (Ayas). Strabo (book xiL p. 536, a) says that it jassea under ground for a great dintance, and barita forth again through a cleft of Mount Taurus: be was well aware of the !mmense deposits which were brought down ly the stream. Cilicia included the lovel strip of land along the oastern shore of the Isaic Gulf. [AmaNus.]
The origin of the Cilicians is uncertain; they werc probntly a 1Homician colony. (llemd. vii. 91.) Their character in historical perionk did not stand very high, and in this reapect thoy were cominotyly clased with the Cappadocians. They were the ouly uation whin the llalym except the Lymiaus whom Croone did not reduce (Herod. i. 28.) Our carliest information represents them as governed by kinga; and when Cilicin became one of the Persiau matrapies it evidently continnel to to governed by native kings, subject of course to the I'ersian crapire. The name of one of the Cilician kinga, Syennexis, in fambliar to the reader of Xenophor's 'Anabasis' (i. 2), and he was not the first of hin name. Herototus (i, 74) mentions one as contemporary with Alyatten ; and Aischylus ('Pers.' 32B, Diudorf) has Iomortalived the bnvery of another who jolued Xerxes in his expedition agailut Groece.
Cilicia lecome a Macedonian province on the downfull of the l'erainu empire: Selesent and his dencendanta, after the death of Alexauder, held the sovervignty till lompey reduced the level country to a Roman provlnce Ciecro wan pro-comal of Cilicin a.e.c. 702; and for his anoces apalisat thone who lind fortifled themselven in the mountrima, ant hol lekt out agnhne him prodecenor Applue Claudlus l'ulcher, ho wan rewaried on hin return wleh a triuniph. Till the reign of Venpaian Hountainous Cilicia mupents to have been governed by klugs who were alyointarl by the Itomanm, lut after that time it became provlace (strabo, siv. MP. 6is-670, Cusaub. ; nnd Leaufort's ' Kanmanaln')

CINC1SNATI, a city, the capital of Ilambllon county, in the atate of Ohio, in eltantod on the riglit benk of the Ohio lelver, nnd 20 milea mbove the mouth of the Great Mininl liver, in $50^{\circ} 6^{\prime}$ N. lat., $81^{\circ}{27^{\prime}}^{\prime} \mathrm{W}$. long; dintint 411 mile from the mouth of the Ohio, and 144 miles N.L. iny N. from New Urlemus The jopuln-
tion In 1800 was 750 ; in 1810 it wos 2540 ; in 1830 it wae 24,881; in 1840 it was 46,888 ; in 1850 it ham increared to 115,486 .

Cincinnati is the largest inland eity in the United Statos, and with respect to the citio of the Uvion generally, rauks sixth in point of population. It is governed by a mayor, rocorder, aud municipal town conucil. It has a separato judiciary, and a cornmercial court to try causes arising between anerchants. The city stands in a benutiful valloy about 12 miles iu cireumferonco, which is surrounded by hills, and is divided into two mearly equal parts by the river Ohio. The first settlemeat took place here in Decenber 1788. In laying out tho divisions of land appropriated to individuals, one square mile in ench towuship was restrved for wchool purposes, and ono section in each for tho support of religious nocieties. Tho city was incorporated in 1819. The streets are rogularly laid ont, and cross each other at right angles, except whero they appronch the river sicle. The city is built partly on the first bank of the river, which is abont 48 feet above low water-mark, mud partly ou tho second bauk, which has a further elevation of about 60 feet. The streets which run enst and west from the river are called First, Second, Third streets, \&c., accurding to their order in the series; the streets which run north and south are called Waluutstreet, Sycamosestrect, \&c, after the forest-trees of the district. The streets are in general well paved. The public buildings, many of which are of considerable elegance, include several public halls, the connty and city courts, 1 mercantile exchauge, an observatory, a museumb, four thentres, and numerous buildings belonging to literary and philosophical institutions. There are in the city about 80 churches, of which a consider. able number are spacious and Laudsome erlifices; there are also 3 colleges, 1 medical schools, a law school, a college and several educational remiuarics for females, 6 classical schools, und uumeroua public sehools. Cincinnati is the seat of extensive and varicd munufnetures, including manchines of differcut kinds, carriagce, waggous, cutlery, edge-tools, mathematical and optical instruments, pottery, hats, da. There are numerous foundries, irou rolling-mills, tan-yards, breweries, distilleries, \&lour-uills, saw-unills, glass-works, ico-packiny establishments, soap and candle works, steamboat building.yards, stereotype foundries, wine mauufnctories, tolaceo factories, \&c.

The navigation of the Ohio and the unucrous cauals and railways which commmnicate with the city adurd Cincinuati valuable opportunities of cultivating commercial intercourso with other cities and states in the Union. Its position on the Ohio reuders it also an important centre of tiaffic, which in its further development must add rapidly to tho wealth aud importance of the city. The Miami Canal aud the Ohio division of the Wabash and Eric Caunl, form a line of communication about 251 miles in length botweeu the Ohio aud Lake Lifie. The Little Miaui railway to Cleveland traverses a distance of 255 miles; the Cincinnati, Hanilton, and Dayton railway, with its connected railway to Saudusky, 218 miles; and numervus other lines, completed or in progress, render Cincinati the centre of the railway system of the Western Stats. Thero is communiontion by electric telegraph between this city aud overy large city from Maine to l'lorida, and from the Atlantic to beyoud tize Mississipph. The traffic on the river is carried ou chiefly by steamers, plying to Pittsburg and New Orleaus. Tho number of stean-vessels which arrived in the port during the year cudiag August 31st 1850 was 3698 ; the departures were 3298. The amount of shipping owned ia the Ciucinnati district in 8510 was 17,181 tons, all of which excej $1^{14}$ vessels amounting to 275 tons bnden were navigated by stean power. There are upwards of 50 newspapers and periodicals published ln Ciueinuati, of which $\$$ me published daly. Near the city are two beautiful suburbau villages, Monnt Auburra and Walaut Hill, occupyiug elevated sites, nud ehiefly used as places of residence by Cincinuati unerchants. I'he New School Presbyteriuns have an inuportant theological institution at Walnut 1lills, called the Lanc Scniuary, from the nanse of its earliest beuefactors, who werv merchants in Now Orlenus. There are numerous viucyards in the neighbourhood of the city.
(Cotton, Watiatical Gazetier of the L'nited Stater of 1 merica 15s3.)
CINCO VILLAS. [Alangos.]
CI NTRA. [listrimaduha, Pohtruubare]
ClOTAT, LA. [Bovenmabe-iRuu̇sin]
CilRCAlRS, NOkTHKilN, a large maritime province, lying between $15^{\circ}$ and $20^{\circ} \mathrm{N}$. lat., and between $80^{\circ}$ and $80^{\circ}$ F. loug., extends alung tho western side of the Biy of Beugnl, from tho Chilka Lako on the north to the river Gondegama on the south. It has thua the district of Cuttack for lts northern, and tho Carmatio proviuco for its southern boundary; ou the cast it lus the Bay of Bengal, along a line of const extendiug 170 miles; aul on the west are Orisss, Gundwana, the rlominionm of the lRajn of Leine and of the Nizam, and the codal banghant diatricts. The ayerage breadth of the province is abont 80 miles, mul its aren about 38,000 gquare wiles. A continued rauge of mountains, impraswable by carringes and difficult for horsenmen, extends along the whole western frutier, from the Chilks Lake on the north to tho brak of the (todarery ou the south. South of that fiver the province is separated from the Nizam's territory by a detached rahgo of suall hilla. Tho provinee is waterod by several small rivers, which rise anong the hills forming tho weatern frontier, and flow into the Bay of Bengal; it ruccives likewisu tho
waters of the Godavery and Kistna rivers, whose mouths are within the province.
The Circars are politically divided iuto seven districts: Chicacole, Coudapilly, Eilore, Ganjam, Guntoor, Rajamundry, and Vizagapatam The climate of these districts exhibits a general uniformity. Ahout the middle of June the westerly wind sets in, accompanicd by moderate showers, until the end of August, when the harvest of the small grains is secured. From the beginning of September to the end of the following month tbe pain is more abundant ; tho wiud is generally violent as Novemher approaches, and then cbanges to the north-east, when the rice-harvest, which constitutes the main dependence of the inhahitants through the greater part of the province, is housed. The season is then fair and pleasant, and at the rernal equinos the maize harrest commences. The season between the end of March and the setting in of the rains in the middle of June is hot, but the temperature is somewbat moderated by the sen breeze during tbe day. The soil toward the south is better than iu the north. Fruits and garden vegetables are scarce. Sugar, cotton, and tobsceo are produced, anl of the tobacco some is exported. The forents npon the hills to the west contain abundance of teak-wood of large growth. At the principal mouths of the Godavery shiphuilling is carried on, and vessels of 500 tons burden have been conatructed. From the nature of the country a great part of the trado is prosecuted in coasting ressels. The aggregate hurden of there vessels exceeds 50,000 tons.
The district of Chicacole forms the largest portion of the recently created electorate of Ganjann, including its capital. Exclnsive of mountain strenms, wbicb are numerous during the rainy season, Chicacole is watered by four rivers, the mouths of which are at the towns of Chieacole, Calingapatarn, Bimlipatam, and Vizagapatam. There are few extensive plains in this district. The town of Chicacole, the Mohammedan name of whicb is Maphus Bunder, is in $18^{\circ} 15^{\prime} \mathrm{N}$. lat., and $84^{\circ}$ E. long. It is irregularly huilt on the risiug ground which forms the north bank of the Chicacole River. This river rises in tbe mountains of Gundwana, and joins the sea three miles below the town, where it is about 1750 feet broad. The centre of the town contains barracks, which are little used, and there are numerous mosques, the principal of which, a buildiug of stone, erected in the year 1051 of the Hegira (A.D. 1641) is held to be of considerable sanctity. Condapilly district, calleत by the Mobammednus Mustaphanaghur, is separated from Ellore and Rajamundry by the salt-water river Ooputair. This river is navigable hy boats to the Colair Lake, the surplus waters of which it carries off to the sea; this it reaches after a winding course between Samaldang and Gollapollam. The town of Condapilly, the capital of the district, stands in $16^{\circ} 37^{\prime} \mathrm{N}$. lat., $80^{\circ} 33^{\prime} \mathrm{E}$. long. This place was formerly a fortress of some strength, hut the works are now in ruins. The districts of Ellore and Condapilly occupy the wbole of the territory of the province comprehended between the Kistna and the Godavery. The town of Ellore, situated in $16^{\circ} 43^{\prime} \mathrm{N}$. lat., $81^{\circ} 15^{\prime}$ E. long., is tbe residence of the collector of the Masulipatam district, of whicb collectorate Ellore district forms a part. The houses, wbich are one story in height, are built with some regularity. Guntoor district lies between the Kistna and the Gondegama Tbe soil is very fertile. From the want of moisturs during a great part of the year the cultivation of rice is little attended to, but tho most luxuriant harvests of maize are raised. Guntoor, the chief town, is situated in $16^{\circ} 17^{\prime}$ N. latt., $80^{\circ} 32^{\prime} \mathrm{E}$. loug. It is extensive, but irregularly built; the walls of the houses are of mud, and the roofs of luany are thatched. It contains a great number of trees, and is divided into two portions hy a large reservoir. The district of Rajamundry lies on both sides of the Godavery river, hut principally on the left side. Tbe soil is fertile, particularly the island of Nagarum, a triaugular space, comprehending an area of 500 square miles, which is formed by two great brancbes into which the Godavery divides, 35 miles from the sea. Besides the two greater branches of the river hy which it is inclosed, this island is intersected by five lesser branches, and the means of irrigation thus afforded, together with the slimy mould hrought down by the greatest river of the Deccan, render the soil highly productive. The forests produce an abundance of teak timber, aud in the plains sugar, rice, ginger, turmeric, and varions leguminous plants are raised. Cottou is also generally cultivated. The eapital Rajamundry is on the left hank of the Godavery, about 5 miles from its mouth, in $16^{\circ} 59^{\prime} \mathrm{N}$. lat., $81^{\circ}$ E3' E. long. The town is long, but narrow, extending along an elevated hank adjoining the river. During the dry season the Golnvery is bere a clear blue stream, exhibiting many islands and shoals, and the hanks on both sides are from 20 to 30 feet higb, but in the rainy scason the stream is a mile broad and very deep. Vizagapatam district, which lies to the north of Rajamundry, is mountainous; a lofty ridgo runs parallel to the sea-shore, and frequently within a very short distance of it, through nearly its wholo extent; to the wentward of this ridge is another cbain; the intermediate apace in a narrow and well-cultivated valley. The town of Vizagapatam lies on the coast in $17^{\circ} 42^{\prime} \mathrm{N}$. lat., $83^{\circ} 24^{\prime} \mathrm{E}$. loug., near to a promontory called the 'Dolpbin's Nose,' a mountain ahout 1500 feet high. The town contains a considerable number of wellbuilt housen: hut tbe situation being unhealthy, the place has been
almost wholly deserted by Europeans, who bave retired to the village of Waltier, ahout $3 \frac{1}{2}$ miles from the town, witb which it communicates by an excellent road. There is a Hindoo temple of great fame and antiquity at Semacbittum, uear Vizagapatan.
The Northern Circars were among the earliest of the territorial po3sessions of the East India Company. They were granted in August 1765 by the Mogul Shah Allun, " by way of free gift, without the least participation of auy person whatever in the same." Iu November of the following year, this grant was recognised by the Nizam or Soubahdar of the Deccan. The district of Guntoor was at the date of the grant held as a jaghire for life by Bazaulet Jung, tbe Nizam's brother, hy an agreement with whom the Company rented tbat district, and it did not come into their actual possession until tbe deatb of Bazaulet Jung in 1788. For tbe whole province the Company paid to the Nizann au annual 'pesbcush' or tribute of seven lacs of rupees ( $70,000 \%$.), which was redeemed in 1823 by the paymeut of about $1,200,000$., in virtue of which the Circars are uow held in full sovereignty by the British. The natives are represented as being superior both iu appearance and in private character to the natives of Bengal. The province is settled on the zamindary system, and the old zamindars are said to be a remarkably fine and noble race of men : as regards the cultivators of the soil, they are very much on the footing of the Scottisb chieftains of former days, the attachment between the two classes being continued througb succeeding generations. Witb the exception of a few Mohammedaus settled in the towns, tbe population of tho Northern Cirears is wholly Hindoo. They are composed of tivo natious, tho Telinga and the Oaria, or Orissa, who speak and write different dialects, and have distinguishing customs and rites, although both adheres to the fuudamental doctrines and discipline of the Hindoo faith, and give undisputed pre-eminence to tbe Brahmins. The people have lived from time immemorial uuder tbe simple form of village government, aud have jureserved unaltered the names and limits of cach of their villages, with its establishment of officers aud servants, undisturbed by the changes which have transferred the sovereiguty of the laud from oue set of rulers to another. Different clusters of Hanelec villages have beeu formed into zimiudaries, which have becu put up to public auction, the purchasers being entitled to hereditary possession upon payment of the revenue fixed in perpetuity upon the entire lands of the zamindary. The reveuue collected in the Northern Circars is said by Major Rennell to have amouuted in 1753 to about 43 lacs of rupees ( 430,0001 .) per ainnum. By a statement furnished by the East India Company iu 1832, it appears that the revenue had then heen ansmented to $\tau 6,68,018$ rupees $(766,800 l$.), an auginentation of nearly $80 \%$. per cent.
(Rennell, Memoir of a Map of Mindustan; Mill, Mistory of British India; Parliamentary Papers.)
CIRCASSIA, or the country of the Circassians or 'I'scherkesses, is situated along the northern declivity of the Caucasus, and is now understood to comprehend the whole of this tract from the shores of the Black Sea to tbe vicinity of those of the Caspian, so that not only those portions which were formerly called the Great and Little Kabardia, hut also Tehechnia, the country, of the Midszeges or Tcbetchenes, who live towards tbe shores of the Caspian Sea, between the Terek and the Kuma, are included iu it. [CAucasus.] Tho rivers Terek and Kuban, as far as their courses lie east nud west, are considered as constitutiug tho northern boundary ; and tho highesi part of tbe C'aucasisu chain forms the southerm. The greater part of this country has been iu some degree subjected to the sway of Russia, and forms tho province of Hither Caucasia, to which is assigned by Iussian official clocuments an area of 41,410 square miles, witb a population of 402,300 in 1846.
The greater part of this country is a succession of mountaiu ridges, which brancb off from the northern side of the Caucasus, and terminate near the rivers Terek and Kuban, and of valleys which lie hetween them. The mountain ridges lower gradually, but with abrupt declivities as they proceed nortbward, and are commonly covered with wood in their lower portions. The highest of these collateral branches is that which detaches itself from Mount Elbruz [Caueasus], runs north hetween $42^{\circ}$ and $43^{\circ}$ E. long., and terminates abruptly near $44^{\circ}$ N. lat. in Mount Bechtan, which is 4320 feet high. This range is nearly destitute of trees, and contains a great number of warm and other springs, which are inuch visited. Between the mountains are many extensive aud well-watered valleys, which are very fertile : they contain nunerous narrow passes, which render the access to them very difficult to an iuvading enemy, and tend to foster those predatory hahits for whicb the inhabitants are notcrious, aud which render them the scourge of travellers and of their neighbours in the plain. The Russians, though uominally masters of the country, are not able to prevent their hostile excursious. Thoir generals and other officers have ofteu heen mado prisonere, aud have obtained their hiherty only hy paying large ransoms. To protect the adjacent plains, the Russian governmeut has established a line of small fortifications along tho bauks of the Terek, Kuma, and Kuban. The Tcherné-Gori, or Black Mountains, which form the northern and lower part of the Caucasian chain, and aro so called from their being densely covered with foliage, which contrasts strongly with the suow-clad crest of the enstern part of the clain, are rent and broken iuto numerous chasms and ridges ; on the westeru side, between Anapa and Sudjuk-

Kilk, forming inacoesible gorren asd defile All this region is untravereed by a aingle road, and come of the tribes here have bean ablo to mintain their indeperdence againat the lluminnm.

There aro no towns in Circasia, the hatit of the people boing opponed to the coneentrstion of a great number of housen or of people op one spot Ther live in small villagen, the site of which is frequently changed. They cultivate the fertile soil of their valleys, which yield grain of excellent quality; millet and barley are the farourito grains, hut wheat and rye, with vegetablem and tobacco, are also raised. Agricultural opernilons aro performed by the aid of osen; mule and meses are the beasts of burden. The vine in eultioxen; mules and meos are tho beasts of blinden. by being kept ln pitchod skins. Every family possesses several hires of bees : hones is conmumed in vast quantities, and mead is a farourite bevernge. The country abounds writh every description of timber, which in left to docny for want of means of transit. The Turks used before the Rusainn occupation of the country to ship considerahle quantities of oak, valona, and box for Conatantinople. The reariug of cattle is more attended to than agriculture, as the mountain-plateaus afforl excelleat and abundant pastures, and the banks of the numerous brooks sro fringed with luxuriant meadows. Their horses are of a fine breed, and equally strong. swift, and heautiful; the people are proud of them, and, like the Bedouins, preserre the geuealogies of their breed: they are used only for the saddle. The shcep, which ere of the brom-Lailed kind, are also much onteomed. Cattle are small. Milk, with millet, forms the principal food of the inhabitants, and they auske of it an incbrinting bererage called 'kumisa.' Ao thes are Mohammedans they do not rear swine. Hunting is followed by the chiefs ns a diversion. Salt, gunpowder, fire-rms, calico, and woollen eloths are the chief imports.

The Circassians, or Techerkesses, are the most numeroue of tbe different nations that inbabit this country. They occupy the lower part of the mountains and valleys from the river Suudsha or Sunja on the ent to near the shores of the Black Sea. They consist of eleven tribes, independent of one another, and governed by their own hereditary prinees and heroditary uobility. Their internal kovernment resembles the fendal system. As the eastern portion of their country is called Kabardah, they have been sometimes colled Kabardians; it is certain that the Kabardians and Circassians belong to tho same otock and speak the mane language. Kabardah being of casy access to tbe Russians, has been nubjected to them for a considemble tine. The Terek dividee It into Oreat and Little Kabardah. To the east of the river Sunja Iiro the Midazeges, also called Kistes and Tchetchenes, who differ entirely from the Circansimas in language, hut not mucb in character, being, if possible, still greater rohbers. West of them are some smaller tribes, but the most western portion of the Caucasus is inhabited by the Abhasinna, who aro less addicted to war than the CircasRians, and more willingly suhmit to the Ruspians [CaUCasus.] Minny Tartars and Cossaks are settled in Circassia. The traffic in fomale ulavee has long been carried on betweon the Circassians and Turks; lt was checked for a while hy the Kussians, but by a trenty between them and the Ciremseians in 1845 , the traffic was re-estahlished. Abont 1000 young girls aro sold yearly by their parents, and carried to the Constantinople inarket.
(Pallas ; lReipeggs ; The Caucasus, hy Iran Oolovin; Spencer, Travels in Wemern Caucäma.)
CIRENCESTER, Gloncestorshire, colloquially called Cicester, an ancient anarket-town, parliamentary borough, and the seat of a PoorLaw Union, in the parish of Cirencester and hundrod of Crowthome and Minty, is situated on the river Churn, in $51^{\circ} 43^{\prime} \mathrm{N}$. lat, $1^{\circ} 58^{\prime}$ W. long. ; distant 17 miles S.E. from Oloucester, 88 iniles W.N.W. from London by rosd, and 85 aniles by the Great Western railwniy. The town is governed by two constahles and fourteen wandsmen, who aro elocted annually; and retarns two members to the lmperial I'arliamont. The popnlation of the borough iu 1851 was 6096 . The living Is a vicarage in the areladeaconry of Bristol and diocces of Gloucester mad Bristol. Cirencenter l'oor. Law Unlon contains 39 parishes and cownahipm, with an arem of $86,1 \% 0$ acres, and a population in 1851 of 21,823.

Cinemecuter occupion a portion of tbe slte of an important Roman military station isy I'colomsus it in callel Corinium ; by Richard of Cirencester, Corinum ; and by Antoninua, Durocornovium. Three Roman romla inet here: the Fonaway, tbe Hirmine-street, and the leknield Wey. It in maid that the walls of the town were 2 miles $\ln$ dreamference. The lioman remains which lave at various timea been ificovered at Cirencmater aro of uncommon extent, variety, and interent From the character of the villam which have heen traced Corinium appeara to have been the reaideace of a wealthy people. 11 ypocanati of claborate comertruction, tempelated parementa, some of them of very muperior denignand execution, ntatuetten, pottory, fibula, branelete, beads, sind other permonal ormarnenta, coins, mintara (a aort of ateel-jarda), welghta, tc., havo been found, wh woll we sepulchral incriputions of mach lintoriol value. Some very important dis. evreries were made In the intter part of the year 1849, whleh, an well athe other sntiquities foumd here, are fnlly demerilued in the work of Profenar lbnekman referrest to at the end of thin article.

Iharing the lleptarchy, Cirenceater wan moccemively included in the klagdoms Wemex and of Mercia. In $8 \%$ it wan stormed and

Laken by the Dases, and was the seat of a groat council held by Canula. It was again stormed and completely dismantled in the civil war between lienry 11I. and the barons. A maguikeent abbey for black canons was huilt in 1117 by Henry I., on the foundation of a college for prebendaries, which wat eatablishel hy the Saxons long before the Conquest. The revenue of this abbey at the dissolution was 1051 L 7 s . ld.; its mitred ahbot land a seat in Parlinment

Cirencester parish church is a fine old structure, partly of the 13th and partly of the 15 th centuries. The building is especially interesting on account of its magnificent poreh-house and mortuary chapela, Its embattled tower contains a peal of twelve bells. In the interior avo several interesting monuments $A$ new church, dedicated to St. John the Baptist, has been recently orocted. The Independents, Baptists, Wesloyan Mothodiste, Quakers, and Uniturians have places of worahip. The Froe Grammar rehool, founderl in 1\%50, has as income of 23 h a year, and had 12 scholars in 1852. Thore are an Endowod parochial school, three hospitale supportad from cudowmonts, almshouses, a saviags bauk, a musoum, a public library, and a dispensary. A county court is held. An agricultural college of a complete and important character was established at Cirenecster in 1810.

Cirencester is not a place of much trade; its appearance ls that of a very respectahle aud opulent country town. The town is paved and lighted, and well supplied with whter. The market dayn sro Mlondsy and Friday. Jairs are held on Faster Tuesday, on July 18th, on the Mlonday before and after Michaelmas, and on Novembor 8th, chiedy for agricultural stock and produce. In the vicinity is the handeome mansion of Onkley Park, tho seat of Earl Bathurst. Oakley Park and woods are celebrated both on account of their picturesque character and of the frequent mention of tbem in the letters of Bope, Swift, and their correspondents,
(Atkyns, Cloucestershire: Budder, Cirencester: Lysons, Reliquia Britannico-Romane; Prolessor Buckman and C. 11. Newmareh, IUustrations of the Remains of Romen Art in Cirencester; Communication from Cirencenter.)

CITEAUX. [CÓTE-D'OR.]
CITTA VECCHIA. [MALTA.]
CIUDAD RKiAL. [Castilla la NoEva.]
CIUDAD RODRIOO. [LEoN.]
CIVITA-DI-PENNE [AbRUzzo.]
CIVITA-DUCALE. [ABRUZzo.]
CIV1TA.SAN.ANGELO. [ABRUzzo.]
CI'VITA VE'CCHIA, a town and sea-port in the Papal States, the capital of the Delegation of Civita Vecchia, aud the port of Rome, is situated on the Mediterrancan, 40 milcs N.W. from Rome, and has a population of sbout 7000 . Its harbour is formed by two piers, or moles, of marhle blocks, first mised by Trajan and afterwards restored under the popes. At the cutrance between the extremitien of the two moles is another mole, or hreakwater, formed of large pieces of rock thrown into the sea, under the reign of the same emperor. On the southern extremity of the breakwater is the lightlouso, which stands in $42^{\circ} 4^{\prime} 6^{\circ} \mathrm{N}$. Iat; $11^{\circ} 45^{\prime}$ E. long. Pliny the Younger ('E'pinte' 31) describes the manner in which the breakwater and the piers were made. There is from 14 to 18 feet depth of water in the harbour, which is the only safe ouc on the south coast of the Papal States; it is frequented by about 1000 vessele of various sizes, most of them coasting vessels, in the course of the year. There is a lazaretto for ships coming from infected countries There are doeks also, and a prison for galley-slaves. The lighthouse and the ciladel were built after denigns by Michael Angelo. The present town of Civita Vecchia was built hy Pope Leo IV., and is regularly fortified. The massive architecture of the buildings round the harbour gives the place an imposing appearance from the sea. The atreets are regular and the hounes woll built. The town has a cleanly and bustling appearance. The air, although not very good in sumuer, io not altogether unwholesome, but the country aronud is subject to the malarin, and has a demolate appearance like the rest of the lowlands on this coast. Sevoral lines of stenmers plying between Marscille, Genoa, Leghorn, and Naples put into the harbour, and nany thousand travellers land here during the year. A large quantity of the produce of the Pontifienl States is brought here for export, including wheat, alum, el cese, Hkinm, bark, staren, \&c. The importa connist of woven gonds, chiefly from England, salt provisions, wine, colonial prodnce, sale, druge, aud lubordnahery.

Trajan had a vill here, called Cenfum Celle, around which and the port a town of the same name spring up, and gradually became of considersble importance, as the harbour at the mouth of the Tiber became cboked up with mand. Centum Cellw was of Imprortance also as a fortreas. If was captured by Belimarius, afterwards by Totila, but moon recorered by Names; and it continued to flourish till A.D. 812, when the Samcons utterly dentroyed it. The inhabitante who escaperl founded a new sottlement in the interior, and the site of the ancient city began to be spoken of as Civita Vecchia (Old City), a uame which it las retained ever since. Besiden the substructions of Trajan's mole there are remainn of na aqueduct and numeroun fragments of lioman buildings. Since the insmrvection of 1849 the F'rench have garrimoned the citailel of Civita Vecehin.

The Delegation of Civita Vecchia lan au area of 373 square inilen, and had a propulation of 21,812 in 1843 . It is inclosend from north.
went to northeant by the Dologation of Viterbo; noutheant lyy the

Comarea di Roma ; and south-west by the Mediterranean. The western part of the surface is generally level, low, and dotted with small lakes. The eastern part is covered with ramifications of tbe Tuscan Sub-Apennines. The rivers are small, the most important being the Marta, which forms the outlet of the lake of Bolsena, and the Mig. none (the ancient Minio), which falls into the sea some miles nortb of Civita Vecchia. There are large salt-works on the coast at the mouth of the Marta, which retains its ancient name. The mountains in the nortb-eastern districts of the delegation contain ricb alum mines; the mineral is refined at the government works at Tolfa in the interior. The Delegation of Civita Vecchia was included in ancient Etruria; it forms part of the Patrimony of St. Peter.

## CIVITAS AURELIA AQUENSIS. [BADEN-BADEN.]

CIVITELLAA-DI-TRONTO. [ABRozzo.]
CLACKMANNAN. [Clackmannanshire.]
CLACKMANNANSHIRE, a county in the eastern part of Scotland, bounded S. and S.W. by the river Forth, N. and W. by Perthshire, E. and S.E. by Perthahire and Fifeshire, lies between $56^{\circ} 5^{\prime}$ and $56^{\circ} 14^{\prime} \mathrm{N}$. lat., $3^{\circ} 33^{\prime}$ and $3^{\circ} .56^{\prime} \mathrm{W}$. long. In form it is very irregular, but its greatest length from north-west to south-east may be stated at 10 miles, and its greatest breadth from north-east to soutb-west at 8 miles. This county is the smallest in Scotland. Its area is 29,744 statute acres. The population in 1841 was 19,155 ; in 1851 it was 22,951 .
Coast-line. The river Forth, which rises in Stirlingshire, is the southern honndary of the county. It is navigable above Stirling. The only port in the county is Allos, though there are sereral creeks along the Fritb of Forth, which are frequented by fishermen. At Clackmannsn Tow there are good piers and a small harbour; there is slso a small harbour at Kennet Pans.
Surface and Geology.-The surface of the county in the southern part consists of level alluvial tracts, which are very productive. Towards the northern extremity the land rises gradually into the Ochill Hills, which traverse thie county from south-west to nortb-east. The bases and sides of the Ochills supply good pasturage. The woodlands cover upwards of 500 acres, and at least 2000 acres are laid out in plantations. The low grounds have a fine fertile soil ; tbe subsoil of part being clay. The elevated land has a substratum generally of gravel, with a surface of good loam. On the high grounds the soil is thin, and on the hills there is a considerable extent of moss. In the vale of the Devon there are some pieces of black moss on botb banks of the stream, but these are rapidly disappearing. Bencleuch, the loftiest of the Ochills, is 2400 feet high. The King's Seat, Dollar Hill, and the Wisp, in the north-east part of the county, do not cxceed 1900 feet. From thesc hills streams descend throngh romantio glens, and at Dollar, Alva (in Stirlingshire), and Tilliconltry, supply Water for the shawl and blanket mills and fulling works of these thriving villages.

The Ochills are composed of trap rocks of various kinds. The great mass is of the amygdalold rock and clinkstone porphyry of a light colour. Greenstone is also found in considerable quantity. In the whole range many veins of copper and lead are found. From the face of the Uchills southward tbe rocks arc of the coal formation, consisting of sandstone, shale of a dark colour, fire-clay, ironstone, and limestone. Above the coal formation are botb old aud recent alluvial clays, the recent being the deposit from the Forth and its tributary streams washing down the old alluvial clay. The old alluvial clay consists of clay, sand, gravel, and boulders intimately mixed, impervious to water and the most sterile of compounds. The recent alluvial deposit is of blue, soft mud or silt in the lower part, and stroug clay at the surface.

Hydrography.-The Devon or North Devon rises in Perthshire, and traverses the northern part of the county from east to wost, along the base of tho Ochills, till, turning southward, after a short course in that direction, it falls into the Forth at Cambus, a village two miles W. from Allos. It receives in its winding course, through the rich and beautifuI vale of Devon, several tributary mountain streams, the Iarger being those of Dollar, Tillicoultry, and Alva. The South or Black Devon has its source in Fifeshire, and flows westward through the sonthem part of the county in a directiou ncarly parallel to the North Devon, falling into the Forth opposite Clackmannan. In summer it is a small stream, its waters bcing principally collected in dams, for the mills on its banks.

Communicutions.-The communications of the county with the east coast and the sen are through the ports of Allos and Kincardine. An excellent road traverses the county east and west. By the Stirling station of the Scottish Central railway, the county has railway communication with the south and north-east of Scotland; and a short branch connecta Alloa with the Falkirk station of the Edinburgh and Glangow railway. The Stirling and Dunfermline railway traverses the southern part of the county, and connects it witb the Scottish Central railway, with Fifeshire, and with the eastern coast.

Olimate.-Tho prevailing winds are from the south-west; they bring rain, hut are accompanied by a mild temperature. The least freqnent winds are from the cast and north-east, wbich blow for a short tipe in spring, the weather being then dry and cold. Considerably less rain falls in the southern part of the county than in the vicinity of the Ochilln, while the low grounds, protected from the
north winds by the hills, bave the atmosphere kept clear, and heat and cold alike moderated by the exposure of the coast to the Frith of Forth and tbe German Ucean.

Agriculture.-Upwards of three-fourths of the land in the county is under cultivation. In the low grounds the land is cropped in a regular system of rotation, the hills being devoted exclusively to pasturage. Agriculture may be said to be in a state of continual improvement: great attention is paid to manuring; draining is almost nniversal, frequently with tiles, but chiefly with stone. The lands are also well fenced with stone walls or hedges; where hedges are used they are always neatly trimmed. The blackfaced, or a mixture betwixt the blackfaced and Leicester breeds of sheep, are bred on the hills. The Teeswater breed of cattle is reared also, tbough a preference is given to Ayrshire and short-horned cattle. Leases are generally for 19 years, sometimes at fixed money rents, thougb in many cases at specific quantities of grain rents, or at rents dependent on the fiars prices of the county. There are several fairs held in the county, but none of any general importance.

Industry.-In the parish of Alloa are distilleries, breweries, manufactures of yains, plaidings, shawls, tartans, druggets, and blankets, corn and flour mills, a glass-work, a foundry, a brick and tile work and pottery, and a tan work. Tbere are salmon fishings iu tho Forth. Woollen shawls and tartans are made at Tillicoultry. Small quarries of sandstone and limestone are wrought in various parts of the county. Tbe extensive coal-fields in Alloa and Clackmannan parishes, which form that part of the county Iying on the banks of the Forth, supply large quantities of coal for exportation. The iron manufacture carried on at Devon ironworks, on the banks of tho Devon stream, is important. Small railways connect these works with Alloa barbour and Clackmannan Pow, and they possess ready communication with all the great markets by the Stirling and Dunfcrmline line of railway.

Divisions, Towns, dc.-The county contains four parishes, the largest being Alloa, to which is uuited the ancient parisb of Tullibody, of which Alloa itself was once a chaplainry. There is a chapel of easo at Sauchie near Clackmannan, and occasional service at 'Tullibody. The Free Church has 6 congregations, the United Presbyterians bave 4, the Episcopalians 1, and there aro in the county a few other congregations of Dissenters. The county is within the synod of Perth and Stirling. Clackmannanshire, along with the county of Kinross, sends one member to the Imperial Parliament. Its constituency was 1149 in 1853.

The most important place in tho county is Alcos.
Clackmannan, the county town, is 2 miles E. from Alloa, about 29 miles N.W. from Edinburgh. It is situated ou elevated ground rising from the plain or sbore of the Forth. The population of the town, witb whicb is included the Fillages of Kennet and Newtonshaw, was 1535 in 1853 . Tho only public buildings are tbe parish churcb and county hall. The courts of the county are held at Alloa.

The following villages may be mentioned:-Dollar, at the foot of the Ochills: population, 1079. There are hlcaching works and woollen manufactures. The Dollar Institution is an academy founded in 1818 by Mr. John Mac Nab of London, who directed a large fortune made by his own exertions to be applied to educational purposes in his native parish. The ancient and modern languages aud the ordinary branches of education are taught. The income from erdowment is about 2000l. a year. The number of acholars in 1852 was 350. There are several villas in the neighhourhood. Tillicoultry is at the foot of the Ochills: population, 3217. The inhabitants ure chiefly employed in the mauufacture of shawls, tartans, and serge. Tbere are also fulling-mills. Tullibody, a village about 2 miles W . from Alloa: population about 700. It contains au ancient chapel, built by David I. Cambus, a village at the confluence of the Devon and the Forth : population about 300. There are schools at all these places; the county possessing of parochial, endowed, aud private schools perhape a greater proportion than any other shire in Scotland.

History, Antiquities, dec.-Clackmannanshire was the seat of the Bruces for many generatious, and an old tower in Clackmannan parish is said to have been built by King Robert Bruce. Sauchie Tower, in the same parisb, is tho min of a castle once the property of the earls of Cathcart. Schaw Park (Lord Mansfield's) and Kennet (the mansiou of Bruce of Keunet) are the modern residences iu this parish. In Dollar parish are the ruins of the very fine old feudal stronghold called Gloome Castle, or Castle Campbell, burned by the Marquis of lontrose in 1645 . It occupies a romantic situation, on the top of a steep and nearly prccipitous hill, near the village of Dollar. Tbe kcep is still in fine preservation. Roman sepulchral vases and stone coffius of an ealier period have been found in the county. Lord Abercromby has a seat at 'Tullihody, which is said to have been the scene of the battlo in which Kenneth, king of Scots (A.D. 834), destroyed the Picts. The ancient chapel of Tullihody dates from 1149.
In 1851 there was one savings bank iu the county, at Clackmaunan. The amount owing to depositors on November 20 th .1851 was 2015t. 28. $9 d$.

## CLAGENFURTH. [Klagenfunt.]

CLAIRYAUX, a small town in France, in the department of Aube, is situated between wooded hills on the left bank of the river Aube and about a mile or two from the confiues of Haute-Marne. It
is of no importance in Itself, hut it retains the name of one of the most celebrated lenedictine abbeys in Europa.

The abbey of Clairvaux was fonnded in A.D. 1111 by St. Dernard, at the head of a fow monks from the ahbey of Cltenux, the chief etablishment of the Cisterciass, Hugues, cout of Chanjagne, was its fint benefactor, who endowed it with the ralley of Clairval (Clara Viallis), origimally called the valley d'Abainthe (of Wormwood), and the woody region around it. The foundation whe increased subeeqneutly hy Thibaut, count of Champagno ; and the kings of France, the counts of Flandere, and many of the nohility of Frauce added largely hr their gifas to the revenues of the abbey. After the commnnity had lived at Clalrrauz for soventeen years it was found uecessary in consequence of the increating numbers of those who joiued the onder to ealarge the buildings ; and at the death of St. Jernard in 1153 there were 700 mouks In the ahbey.

The unonls were not ille. The rule under which they lived was emiaently calenlated to mako then industrious and useful; and civilimation owes the Benedictines of Clairvux much. If in after times the revenues of Clairvaux becamo enormously, or as some wonld kay scundelously weelthy, this was owing not so much to rich gifts from royal and nohle benefnctors, as to the wise regulations of the sagacious founder, who Infused into his followers and bequeathod to his succeswore the splrit of useful labour. In fact the abbey of Clairvaux was an immenso indumtrial catablishment. Timber was fellod and sawmills ect at work; Lydraulic works, drainage, and irrigation wore practically studied; oil-milla, corn-mills, fulling-milla, and tan-yands were established; wool was spun, cloth woven, metals were forged, and farme tilled by the monle of Clairvaux. Bach of these trades and occupations was under the direction of a prefect styled 'master of the forests, 'mater of the forges,' \&c. Whatever products were not required for the consumption of the abhey were sold at the fairs of Chatillownomeinc, Barsur-Anbe, \&c, and the proceeds added to the resources of the community. Such energetic mauagement could sot fail to rake Clairvaux wealthy; accondingly we find that in the 1 th cuntury it pombessed nearly 50 villages and a vast number of farta, abore 1500 acres of meadow land, exteuaive vineyards, about 60,000 acres of forests, 1 metnl forges and fonndries, ac., and the growe amual income from all sources was ralued at 600,000 livres, about 24,000t. Not less than 537 religious houses in France and different Inarts of Europe weru afflinted to Clairvaux. To give a notion of the size of this vast mounstery it will be enough to sodd that an arhitration about a wayer which is given iu the archives of the Aube proves that in 1633 the circuit of the ahbey walls execeded that of the neighbouring town of Chaunont hy 693 feet.

At the same time that all the above mentioned utilitarian processes wero carriol on Chirvaux wasa nursery of learning. I'ope EugenelII., fiftecn cardinala, and a large number of archbishope, hishops, and shatesmen were at different periods inmates of the abbey. The poor were fedr and travellers, rich and poor, entertained.

When religious houses were suppressed in France there were still 40 choir monks and 20 lay hrothers in Clairynux. The revenue of the abbey then amounted to 66,000 Iivres, benides 700 sétiers of corn (omeh equal to 4.4 burhels), and 700 muida of wine (each equal to 70.8 galluns). Within the precinct of the abbey, which were then about a mile and a quarter in circuit, were magnificent cloisters, several churches, and a vast cellar, in which wan a rat containing 500 muids of wine (about a year's income of that sort of produce). The shbey buildings were greatly injured at the revolution; they wero mbeequently mold, and giass-fnctory wan eatablished within the wallo. They werc ro-purchased by the stato In 1808 and converted into a mendicity house, which the govermment of the restoration tranformed into a central house of detention for the departmeuts of Aid, Ardennen, Aube, Cote-d'Or, Juma, Mame, Hante- Sarne, Meurthe, Meuse, Monelle, Nierre, Suneet-Loiro, and Youms. Tho huildiugs are remarkahle chiedy for their molidity and extont. The refectory ham been converted hito a chapel; it rememhlee the nave of n chureh, has a raulted roof 27 feet high, and wainscotted wall, on which mre eevenl rudelyexecuted figure nacribed to the landiwork of the nookn ; this chapel can hold with easo 2000 prisoners. Across the midde of the bull that merved (and atill sorvea) for a laundry, a living otrram tbreo yardin hroad runs betwees inclined fingatones. The Irinowere detained at Clairvaux are made to work ns carpentern, tailors, bhoemakern, rope-nnkers, \&c., or thoy are engnged in the mennfacture of cotton, woollen, hernpen, snd linen thance.
(Merlin, Oberrations IMistoriquea our la Maison de C'heivaux dara les Wemvires de Triromr, Aom 1732 ; ITermand, La Jiidinheque de C'lais name: Dietionnaire de ln France.)

CLA]'llAM. [8vmurT.]
CLAARF [SEMrole.]
CLARF, a maritime conmy in the prorince of Munter, I reland, is bounded S. by Galway llay smi the county of Gnlway, dio and S. hy the river anl rutuary of the Shannon, which weparsies is from the counties of Tipperary, Limerick, anI Korry, and $W$. by the Atlantie Ocean. It liee between $59^{\circ} 52^{\circ}$ amI $53^{\circ} 0^{\circ}$ N. Iat. $8^{\circ} 20^{\circ}$ amd $0^{\circ} 58^{\circ}$ W. Iong: ; the greatent leogth north eart and mouth-wevt is sis miles; tho grentoet hrealih porthowest and south enst is 39 uiles; the area

cropes, 377,002 acres in gram, 8562 in plantations, 5173 fallow and uncropped arahle laud, and $212,97^{2}$ acres estimated extent of bog, wasto land, and water. The populatiou in 1851 was 212,423 .

Surface, IIydrography, Commenicalions.- The portiou of the county lying between the Sbannon and the Galway boundary is, to the extent of about 150 aqnare miles, occupied hy the mountain group of Slieve Baughta This group stretches into the adjoining county, and contuins three prineipal connected laken: Lough Toroig, on the boundary of Clare and Galway; lough Graney, farther souchi la the centre of the group; and Lough $0^{\circ}$ Grady, butween Lough Graney muld that expansion of the Shanuon called Lough Dorg on the east, futo which the waters of the district discharge theanelves by the Scariff River at then village and creek of Scarif!. Southward from the Slieve Baughta group extends the mountainous tract of Sliove Ihnuagh, which runs with little interruption from Scariff on the north to Bururatty on the south, where the waters of Lough 13reerly, Lough Doon, Lough Cloonlea, and several other lakes lying along the weateru border of the range discharge themselvee hy the Ougarnee River into tho Shannon. The chief drain of the eastern part of this district is the Blackwater, which falls into the Shanmon a little above limeriek. The highest points of the Sliere Baugbta and Sheve Barnagh range are 1812 and 1746 feet reapectively. West of these groups, and occupying the central district of Clare, there is a comparativoly level country stretching north and south, the waters of which, collected from Loughs Inchiqnin, Tedane, Inchicronane, Dromore, Ballyally, and several others, unite ahout the centro of the county aud form tbe Fergus, a fine narigahle river, which augmented hy the Clareen at Ennis, the county town, Lows due south by Clare, and after formiug a large restuary with numerous islands and cxcellent anchorages, unites with the Shannon about eight miles west of Bunratty. The junction of these rivers forms a very noble expanse of water. The remainder of the county, from the shore of Gaiway Bay on the north to Clonderalaugh on the south and thence westward to the ocean, is occupied by highlands, the waters from which flow chiefly into the Atlantic by the Dunbeg and Eunistymon rivers. Of these heights the prineipal is Callan Monntain, 1252 feet, rising westranI from Enuis over Milltown, a small town situated about midwny on the western line of seacoast. Clare has a mnch greater extent of coast-line than any other county in Ircland. From Scariff on the Shannon to Curraurue on Galway Bay the wliole length of coast-line is 230 English miles, of which about 140 miles lie along the Shannon and 50 miles on the coast of the Atlantic. Tho Atlantic const, from Black Ilead ou the north to Loop, Head on the south, a direct line of nearly 60 linglish miles, has only two harbours, nud these not capahle of shelteriug ressels of mere than 50 to 100 tons. With the excuption of the small bays or fishing stations of Kilkee, Iunbeg, Milltown, and Liscanor, tho whole coast towards the Atlautic in iron-bound. The cliffa in some places are remarkahle for their great elcvation and perpendicular seotion towards the sea. At Moher, on the north of Liscanor lay, the cliff-line for a distance of five miles is nearly perpeudicular, and has an average clevation of 400 feet : at one point it attains the hoight of 587 fect. The strata are horizontal and variously coloured, and in many places they overhang. These cliffs are exposed to the full force of the Atlantic, the waves of which during a gale hreak againat them with extroordinary violcuce. Numerous islands and detached stacks of rock worn into fantastic forms mark the devastating effects of theso storms, whieh have disconuected them from the mainland.

Tho shore of the Shannou commencing from Loop Head has nunerous creeks which might be rendered useful either as asglum-harbours or stations of trade, but at present there la no security for vessels of heary tonnage in hard weather nearer to Loop Head than the anchorages of the Fergus. At Carrigaholt, a small village immedintely uuder Loop, is a flabing pier; and at Kilrush, formerly a vory prosperous place about halfway between Carrigaholt and the Fergus, is a pier with a quay; but the roadstead is exposed to southerly winds.

Enstwand from Kilrush tho Shannon, which at ita entrance is ten English miles in width, hegins to contract; but after sweeping in a comparatively narrow and very deep chanmel- 100 to 120 feet in mid. chanuel-round the peainsula of Clonderalaugh, between which and the shore of Limerick is the lace of Tarbert, it expands again to a width of soveral miles at its confluence with the lergus, about tell iniles farther inland. The eutrnuce of tbe Vergus lies butween Imisinnry laland on the weat and linana l'oint on the cast. The rentuary is hero five miles wide. Towards the wentern side it is encunhered hy islaude, of which there are eight considerahlo ones covering about four square miles. These lalunds contrnct the ship-chanael to s breadti of about threegusters of a mile. The channol is safe fer vessels drawing 16 feet of water, and on the mud-banks at either aide a ehip majo at all times gronnd with safety. From the Shannon to Claro the river is called the bower Fergua, and from Clare to Finn is the Upper l'ergum Tho Upper F'ergis In a deep and quiet piece of water more like a large canal than a river. It is eeparatod from the Lower F'ergur by a ledge of rock on which the ahutmenta of tho bridge of Clare are huilt. This natural dam keeps the upper part of the river constantly full and unvigable to linaia, the county town, three miles distant. Soveral drainage works have been recently exceuted by government with a view to facilitate the navigation of the river und to Improve the laud on ita hankm.

Eight miles east from Rinana Point is the mouth of the Ougarnee River, up which the tide flows to Six-Mile Bridge; but the vicinity of Limcrick renders its navigable capabilities of little importance. One suburb of Limerick lies in the county of Clare. In this county are ulso the chief lines of canal by which the Shannon navigation is continuerl from Limerick to Killaloe. Within the last twelve years great improvements have been effected in the roads of the county under the direction and with the aid of the commmissiouers of public works

Geotony, Mineralogy, d.c.-The geological constitution of the surface is simple. The Slieve Baughta Mountains consist of a uucleus of clayslate, supporting flanks of sandstone, intruded through a break in the surrounding limestoue plain, in the same manner as the Slieve Bloom lange on the opposite bank of the Shannon. The limestone which insulates this mountainous district spreads westward over the more level basin of the Fergus, and rises into very rugged elevations towards the Calway boundary ou the north-west. Beyond the basin of the Fergus commences an extensive clay slate and trap formation, which stretches westward from the limestone-field to the waters of the Atlantic, to which it presents the precipitous escarpments of the coast-line. Tho whole of this coast abounds in pheuomena of the greatest iuterest.

Leds of ironstone and strata of coal occur upon Mount Callau; a seaus of coal three feet thick appears in the face of the rock a little above high-water mark over Liscanor Bay, near Ennistymond; aud again near Mutton Island, both inland and on tho shore of Malbay; another seam appears in the bed of a river near Carrigaholt, as also at Fieragh Bay, Lemaduff, and Longhill Ferry. Iron-ore is found at several places, and in cousiderable quantities on the Malbay coast; on the banks of the Ardsallas, a fceder of the Fergus flowing from the east; on the shore of Liscanor Bay adjacent to the coal tract, between Corrofin and Enuis in the ceutre of the conuty; and in several other places. Lead-mines aro worked at Kilbricken. Rich lead-ore abounds in the limestonc district, particularly in the mountainous parts of the barony of Burren iu the north of the county. Copper pyrites is plentiful in the same barony. Manganese is found at Ennistymond, Carrigaholt, Cross, and other places on the sea-coast. Chalybeate waters abound in the district westward from the sources of the Fergus. Very fine black marble has been raised at Craggliath, near Ennis; it takes a high polish, and is free from spots. Ou the shore of Lough Grancy is found a hard crystalline sand much used for scythe-boards, which are greatly superior to those brought from England. The coast from Kilrush to Carrigaholt abounds with excellent slate and flag quarries. There are also quarries of flag of a good quality at Eunistymond. The Broadford slates from the Slieve Bernagh district are considered nearly equal to tho best Welsh; an inferior kind is obtained from the slate-quarries at Killaloe.

Soil, Clinate, dec.-The characters of the different soils correspond to the characteristic geological division. In the schistose and trachyte districts the soil is cold nad moory; in the calcareous region warm and friable, though light; on the borders of the different tracts, especially of tho slaty and calcareous, deep and loamy. In some districts there are detached spots of very remarkable richncss. These are usually situated along the banks of the large rivers, and are liable to periodical inundations. They are called corcaghs or corcasses, a word nearly synonymous with the English provincial term bottoms. The corcass lands lie chiefly along the Shaunon and Fergus from Limerick westward, in some places extending inland to a cousiderable distance. Another species of rich grazing land of frequent occurrence here as well as in Galway, is the turlogh, or periodical lake, an accumulation of watereither forced upward by subterranean chaunels, or formed by surface waters which have no outlet. These floods lie in the turlogh during the winter, and leave it prepared for the most abuudant regetation in the spring. The whole of this calcarcous tract abounds with subterraneous communications through which the water passes from lake to lake, as at the sources of the Fergus, or rises to the surface and forms temporary pools and turloghs. The barony of Burren, which comprises the north-western portion of the limestone field of Clare, is a very remarkable district. Here the bare limestone rock rises to the surface in all directions, so as to give the whole district the appearance of bcing covered with a white coment. The country is everywhere very rugged and hilly, and the worst supplied with water of any iu Irelaud. The only supply of water in the interior is by turloghs. One of these at Kilcomey, a place remote from any river, is fed by a periodical stream issuing each wiuter from a cave in the vicinity. Notwithstanding its sterile appearance, this country is far from being unproductive. In the
crevices of the limestone rock sprouts a very sweet and nutritious grass, particularly well suitcd for fattening sheep. Yarrow, white clover, trefoil, cinqucioil, virga aurea, juniper, and yew, grow spontaneously and in abundance, although in patehes. The supply of fuel is scanty, there being little or no bog; yet from the numerous remains of castles in all parts of the barony it is evident that it must have bcen thickly inhabitcd during its possession by the old Irish. The present iubabitants of the coast procure their supply of turf in boats from the opposite shores of Galway. In all other parts of the county there is abundanco of fuel, particularly towards the gouth-west, where a tract of bog, containing 14,950 Irish, or about 24,000 English acren, eztends from the Shannon at Kilrush to the
shores of the Atlantic at Moore Bay and Dunbeg. There is no linestone in this part of the county, but an inexhaustible supply of seasand can be had at Dunbeg. Although the county is very bare of trees, the bogs abound in timber. The mode of finding bog timber as practised here is rather remarkable. It is observed that the dew does not lie on the part of the bog immediately above a tree, as it does elsewhere. The positiou of a piece of timber is thus easily ascertained before the dews rise in the morning.

The climate is healthy. The county is in general much exposed, particularly to violent gales from the Atlantic. Frost and snow seldom continue long. In the sheltered portions of the eastern district, the climate is moist aud very mild. The fishing industry of the county is now almost extinct.

History, Antiquities, dec.-Clare constituted a portion of the aucient territory of Thomond or North Munster. An English force, under Robert Fitz-Stephen, was admitted by Douell, the petty sovereign, in A.D. 1171. The Euglish retained the fortresses of Bunratty and Clare, and a considerable territory, until the death of Richard de Clare, in 1317 ; from which period until the submissiou of Murragh O'Brien in 1543, this part. of Thomond was entirely in the Lands of the native families. In 1565 the county was made shire.ground by Sir Heury Sidney, and included in the province of Connaught. From Connaught it was again transfcrred to Munster, on the petition of the second earl of Thomond, in 1601. Large allotmeuts were made in Clare for the satisfaction of adventurers and soldiers by the English Parliament in 1653 ; but it was not until after the forfcitures consequcut on the revolution of I688 that a permanent proprietary was established. The rebellion of 1798 scarcely exteuded to this county.

During the preseut century Clare was for a time remarkable for agrarian disturbances, now happily at an end. The Clare electiou of 1828, in which a lloman Catholic was returned to the Imperial Parliament previous to the removal of the civil disabilities affecting that part of the population, forms an important epoch in Irish history.

There are round towers at Scattery Island, off Kilrush ( 120 feet high, a known landmark in the navigation of the Shaunon), at Drumeliff in the barony of Islands, at Dyaert aud Kilnaboy in the barony of Inchiquin, and at Innis Cailtre, an island in the creek of Scariff, on Lough Derg: the abbey of Ennis, which the famous Turlogh O'Bricu enriched iu 1306 with bells, crosses, rich embroidery, and painted glass windows ('Anuals of Innisfalleu and Caithereim T'oirdelbach'), is still standing. The abbey of Quin, in the barouy of Bunratty, about five miles east of Ennis, is a noble pile of black marblc, for the building of which, iu the 13th century, Comea More Macnamara, the founder, is said to have been created a prince by the pope. The ruius ou the islands of Innis Scattery and Innis Cailtrce are also of great interest to the autiquary. Cromlcchs are numerous, and the tomb of Conan on Mount Callen, with its Ogham inscription, is still the subject of inquiry and dispute.

Divisions, Toons, dec.-Clare is divided into the baronies of Burren on the north, Corcomroe on the north-west, Ibrickan on the west, Moyarta ou the south-west, Clonderalaugh on the south, Inchiquin iu the north centre, Islands in the south ceutre, Bunratty, Upper and Lower, on the south-east and cast, and Tulla, Upper and Lower.

Ervis, the county town, and the seat of a Poor-Law Uniou; B sllyvaghan, Corrofin, Ennistymon, Khlladysert, Kilrdsh, Scariff, Tulla, which are likewise the seats of Poor-Law Unions, and KıleaLOE, which gives titlo to a bishopric, will be found described under their respective titles. The following minor places we notice here, with the populations in 1851 :-

Broadford, population 342 , about 8 miles W. from Killaloe, is pleasantly situated uear Lough Doou. In the neighbourhood aro scveral fine mansions. There is here a statiou of the county coustabulary force. P'etty sessions are held, and there are fairs on Juue 21 st, and November 21st. There is a dispeusary of the Euuistymon Uuiou. Carrigaholt, populatiou 320, a fishing village at the head of Carrigaholt Bay, about 9 miles W. by S. from Kilrush, possesses a Romau Catholio chapel. There is here a dispeusary of the Kilrush Union. The fishery carried ou is of some importance, and largo quautities of turf are sent to Limerick. The pier and harbour are uot adapted to afford auchorage or eecurity to large vessels. Clare, populatiou 892 , bcsides the inmates of an auxiliary workhouse 939 , in all 1831 ; is situated on the river Fergus, about 2 miles S. by E. from Ennis. The old castle has beeu converted into a barrack. A stone bridge crosses the river here. This town which was once the county town is now of very little importance. Fairs are held in May, August, and November. Kilfcrora, populatiou 387, besides 510 iu the ausiliary workhousc, is situated about 14 miles N.W. from Ennis. The parish church is a respectable building, with a massive squaro tower. Kilfeuora was the seat of a bishop as early as 1265. It is now uuited with the sces of Killaloe, Clonfcrt, and Kilmacduagh. [Killaloe.] In the 'Ulster Anuals' it is stated that the abbey aud town were burued by Murtogh O'Brien in 1055. A fragment of tho old abbey still remaius; near it are several ancient crosscs. The land around the village is fertile and well cultivated. Filhee, population 1869, a small watering place situated ou a small creek of Malbay, whout 8 miles W.N.W. from lillrush, is much resorted to by sea-
bathing viajem from Limerick and other places Kilkee pronemen a eanall hirhour, and in a station wheuce fishing operation are to come extent carried on. Lehinch or Lahinch, population 990, benldes 010 in the workhoume, sitnated at the head of Lisonnor Bay, about 2 milen S. 4 , frotn Ennistymon, is risited in summer for ese bathing, for whlch the peighbouring strand ia well adaptel. Near the rillage are the ruin of $\operatorname{sloy}$ Cantle, alsu the natural curiositice called tho PuffingIloles and the Dropping.well. Liseanor, population 429 , in situated an the north side of Liscenor Pny, nbout \& miles W. from Eunintymon. It powecias a small pier and harbour afforling valuable shelter to resecle of swall hurden, the rocky character of the const for some distanon giving few opportunitres of sueh a refuge. A fishing trado of nome importance is carried on here. Milltown-Malbay, population 1452, beniden 1050 inmateo of workhouses, is situated on the road betwees kinuistymon and Kllkee, about 8 miles S.W. by S. from Eanistymon, and at the heal of a cove of Malbay. It is favourably sitmed for sem-bathing, and lum on that accoumt risen into comparative importance. Pctity setaivas are held. Thore is a dispensary of the Finniatsmon Union. Screnfairs are held during the gear. Neno-marketom-Fergus, population 1111, \& small market-town, about 7 miles S.E. ly S. frum Envle, possesses s good local irade. Five faim aro beld in the year. Petty sessions are held, and the town is a station of the convisbnlary force. In tho vicinity are screml interesting relics of antiquity. O'Bries's Bridge, populntion 401, situnted on the right benk of the Shannon, oppogite tho rillage of Montpelier, county Limerick, with which it is connected hy tho bridge from which the village takes its designation. The rapids whiols at this place made the navigation of the Shannou very diffcult, bave been decpened, and the span of scveral of the arches of the bridgo has beeu eularged. The bridge, which has stool for sereral centuries, has in its original construction been strougly built of rubblo-stone, thought rather roughly pat together. Frirs are held on July 25 th and Norember 7 th. Quin, population 284, situated about 3 mile F. from Clarc, is remarkable as containing the remains of Quin abbey, one of tho bert preserved old monastic buildings in Ireland. It was erccted at the commencement of the 15 th ceatury. The square towor, the cloisters, and the aiales, are worthy of attention. Six-Mile Bridge population 762, abont 11 mile S.F. from Fanis, wes formerly of some importance, bat has now little to attract obscrvation. Quarter and petts sessions are held here Besides an Episcopal church. there are two chapels for Roman Catholica, a courthousc, a markct-house, and a dispensary. An aunual fair is held on December 5 th.

Of the 164,555 neres under cultivation in the county of Clare in 1851, which were comprised iu 18,419 holdings, 9293 acres were under wheat, 42,128 oats, 21,050 barloj, bere, and ryo, 7826 peas and beans, 23,625 potatoes, 11,793 lurnips, 2469 mangel-wurzel, carrots, parsnipu, and cablage, 313 vetcles, rape, and other green cropa, 1014 fex, and $45,00^{-} 4$ meadow end cluver. In 1851 on 19,019 holdings, of which 1512 were under 1 acre each, there were 13,087 horsen, S082 mulea aul anen, 1863 head of cattle, 85,512 sheep, 49,314 pigs, 10,983 goatn, 238,734 liead of poulery; of which the total value wan entimated it 984,7536 The chicf trade in the county is in corn and provisions. Sheep and cattlo of cxcellent quality are reared in the county. Conseo linen and hosiery are made for home use.

Ihirisions fur Eicelesicatical and Legal Purposes.-Tho county inclades the diocme of Kilfenora, now united with that of Killaloe, the greater part of Killaloo and a portion of Limerick diocescs. The connty returas three members to Parliament, two for the county, and onc for the borough of Enbis. The sesize town is Ensis. Quarter Sevons are held in rotation at İnnin, Ennistymon, Killaloc, Kilrush, Six-Mile Bridge, and Tulla. The county infirmsry is at Funis; there aro fercr hopitals at Eionis and Kilrush; the dintriet lunatic asylum, to whirh Clare county mas send 18 paticnts, in at Limerick. The PoorLaw Linion in which the county is comprised aro thosc of Bully vaghan; Cornoln; Eimula; Eunintymon; part of Gort; Killadyent ; Kilruah; pert of IDmerick; prert of Scariff; and Tulla. The county is withiu the miltiary district of limerick. Tho liead-quarters of tho constabulary entablinhment, comprising 8 districts and 58 stations, and includlag 421 men, Ineluding officers, are at Inuik, In Decersber 1851 thore were 130 National schools in operation in the cornaty, attended by 17,233 children, of whom 8916 were males and 8818 feunder.
(Ondmamee Exrrey M/ap; Suatisical Surtry of the Cownty of Clare; Thom, Irish Almawne; Parliamempary lieports; MSS. in British Mnaenm, and library of Pinyal friah Academy.)

CLAIRE ISLAND. [3aro, Connty of ; Acmare]
CLAARF, or Cl.AlREMOIURIS, county of Mayo, Ireland, a pont and tnarkeltown, and the meat of a J'oor-Law Union, In the pariah of Kílcoleman and Larony of Claremorris, in pleasuitly situnted in $83^{\circ} 43^{\prime}$ N. lat, $8^{\circ} 80^{\circ} \mathrm{W}^{\circ}$. long. ; dintant 20 milen S . K. from Contlebar by roal. Claremorris in a clean well-built place, and pomansen an extenalvo retall trare. It coutainn a pariab church, a Ifoman Catholic chapel, a dinpemary, and a Union workloume Quarter ncution aro held in the town, and petty semime on the necomil Thunmay of every luonth. Faise ano held on May 21th, Junc 22nd, Heptember 2ith, and Novem. ber 23rd. Adjoining the lown in Clanemount, tho weat of Jamen Browne, Fing., nofl In the aetghbourbood in the oxtinslve rlemense of Cnatle Jargarret, the scat of Lom Orummore. Clarmonris Pooriaw Union
comprives 19 electoral dlvisions, with an aren of 110,758 acrem, and a population in 1651 of 32,606 .

## CLAUBRE, ST. [Jcha, Department of.]

ClaUSE:SiluBut, properly Klausenburg (Klush, Kolosvár), a royal freo town and capital of tho priucipulity of Transylvania, in Austrin, is situaterl iunbout $46^{\circ} 47^{\prime} \mathrm{N}$. lato, $23^{\circ} 32^{\prime}$ F. long.; 72 miles N.N.W. from Hormannatadt, and has about 22,000 inhabitanta. Thu town (it is aaid) was founded by the Roman, who gavo it the name of Claudia, whence ita Iatin devignation Claudiopolis In 1178 the towa was enlarged by a colony of Saxons, who from its locality called it Clnusenhurg, from the old worl 'Klsune,' which sigaifena 'mountain defile.' The citmel, which is built on a lill, was not erected till 1721 , since which dato commodious barmaks haro been made in it. Clau*enburg is situnted on the river Szános, in the midst of a romantic valloy, surroundel with mountains, nud laid out ins folds, gardenn, and vineyarda It is defended by lofty walls and towers, and is divided into the inner town (consistiug of an older and more modern quarter), and aix suburhs; the former thongh of namall extent has a very pleasing appearance. It has some haudsome strects and houses, and a large markct-place, 500 psces long and 860 bromk. There sre six Roman Catholic churches, the most striking of which is the cathodral, erected in pursuance of a vow by King Sigiamuad in 1399; it is 94 paces long and 34 hroad, and contains some fine monuments. The Calvinists, Lutherans, Greek Catholics, and Unitarians Lave places of worship In the town.

Clauscnburg contains an academical lyceum, with a puhlic library attached; a Roman Catholic gymnasium; Reformed and Unitarian collcges; a Roman Catholic seminary; several convents ; a normal school; an orphan nsylum, two hospitals, and various other charitablo institutions. There is a lnrge national theatre, and sereral public gardena are laid out around the town. Among the other buildings in the old castle, which is now in ruine, the town-hall in the marketplace, and numerous palacen belonging to the nobility.
Clausenburg is the seat of the govermment of Transylvanis, of Protemtant and Unitarian consintories, of a board of education and other publio departments. Being a free town all its ciril and other affirs are conducted hy its own judges and magistrates. The population is composed of Hungarians, Saxons, Arnenians, Greeks, and Jewa The manufactures, which are iuconsidemble, are chiefly wollens, earthenware, and paper. Clausenburg in the birth-place of Natthias Corvinus, king of IIungary.

CLAUSTHAL, the largest and mont important of the mining towns of the Harz, is situated upon two hleak and naked eminences, 25 miles N.F from Göttingen, 48 miles S. 1 . from Hanorer, and has about 10,000 inhabitantn, including the town of Zellerfeld, which is soparated from it only by a rivulet called Zellerbach. It is the seat of administration for the mining districts of Hauover, and stands at an eleration of 1170 fect above tho sea. The strects are straight snd broad, and planted in gencral with chestnuts and lime-treen, but are very badly pared. The houses are mostly constructed of wood. Tho town coutaius two churches, an orphan asylum, a mint, a mining acadcmy, to wlich a seminary for teaching forest economy is attached, with collectious in mincralogy, modela of mines and mining machinery, dic. a gyinuasium, mauufactorics of ironware, yarna, woollens, camlets, \&c. In the immediate vicinity are the richest mines of the Upper Harr, which yicld ailver, copper, lead, aud lithargc, and give enuployment to abore 2000 workmen. In tho mise celled GeorgWilhelm is one of the decpest ahafs in the llara, roaching (it is said) to $n$ depth of 2000 fect helow the lorel of the Baltic. In the Silberscgen mine, whiel is entered by a shaft 176 fatlioms decp, there is a subterranean comal, 2389 fathoms long, by which the oro is conveged from womo of tho slafta, All the mines are draiued by a tumel cut through the mouutain, 6 miles iu length, nud emerging at the littlo town of Crund. T'lic machincry for working the nimes, forges, tilt-hammers, and stampingemills, is put in motion chicfly by wetorpower, and all the rain-fall of tho nelghbourhood is collected into remervoirs, of which therc aro more than 50 , to supply the works of Clausthal and Zellerfold.
Clays [NOMrolk.]
CLEOBURY:MORTIM1:R, Shropkhire, \& market-town and the neat of Poor.Law Union, in the parish of Cleobury. Mortimer and hundred of Stotiesden, in situated on tho little river lea, ln $52^{\circ} 22^{\prime}$ N. $\operatorname{lnt}, 2^{\circ} 23^{\circ} W^{\circ}$. long. ; distant 30 miles S.S.1\%. from Shrewnhury, and 137 milen N.W. by W. from Loudon. The population of the parish in 1851 was 1738 . The living if a vicamge in the archdeacoury of Snlnp and diocese of Ilereford. Cleohury Nortimer I'oor-Lav Uuion coutnins 17 Inrishon and townshipa, with au area of 61,900 acren, nul a population in 1851 of 8555 .

Cleobnry- Mlortimer is mo called from haring once belonged to tho family of Mortimer. A cantlo erected here by llugh do Montgomery, wan dentroyed in the time of Henry 11. There is little trade carried on. The town In llghtod witl gan. Tho clurch is a fino old building in the early Finglinh style, with mome Norman work about tho tower. Tho chancel Is spacious, and tho clancel arcls very fine. The WesIcyan Methodists and Roasan Catholicn laarc placen of worship. The Free mehool, founded In 1714 by Sir Lacon Childo, has an anmual Income of 6001 ., and contains about 100 boyn aud 00 girls. In tho ricinity of the town is a papor samufactory. Coal minos employ
some of the inhabitants. The market-day is Wednesday, and fairs are held on April 21st, Trinity Monday, and October 27 th, for cattlo sheep, and pigs. A county court is held in Cleobury.
(Communication from Cleabury-Mortimer.)
CLERMONT.FERRAND, the capital of Basse-Auvergne and of the department of Puy-de-Dsme, in France; the seat of a provincial university, of an academy of sciences, literature, and art, of an endowed college, of a secondary school of medicine, and a departmental school of midwifery, of a consultative chamber of manufactures and an exchange; stands at the entrance of a vast semicircular plain, hemmed in except towards the east by a line of hills clothed with woods and vineyards, behind which springs up the majestic peak of the Puy-de-Dome. To eastward the visw extends for several miles over the beautiful district of ths Limagne. The town is built close to a mountain torrent, which rises in the Puy-de-Dóme, and flows into the Allier; it stands at a distance of 237 miles S. by E. from Paris, in $45^{\circ} 46^{\prime}$ N. lat., $3^{\circ} 5^{\prime}$ E. long., and has 30,563 inhabitants, without including the suburb of Montferrand, which numbers about 5000 inhabitants.

Is approaching the town from Paris ths traveller passes through the suburb of Montferraud, which is united to Clermont by a noble avenue, 2 miles long, perfectly straight, and bordered with willows and walnut-trees. Clermout itself, built on au eminence, forms when viewed at a litils distance, a nohle termination to this avenue, and inspires the travellsr with a notion of beauty which the interior of the town does not realise. It is not well laid out; the streets are narrow, and the houses, though not ill-built, yet present, from the dark colour of the lava which is the chicf building material, a sombre sppearance. The town is separated from the faubourgs by a line of boulevards, which are for the most part planted with trees. The squares are large but irregularly built, The Place-du-Taureau is remarkable for a handsome fountain in the form of an obelisk, dedicated to the memory of General Desaix. This Place and those of Poterne and L'Espagne command most agreeable prospects: that of Delille, or Champleix, is adorned with a gothic fountain, richly sculptured. The Place-d'Armes, or de Jaude, as it is also called, is inclosed mostly by new and well-built houses. In recent times many improrements have been introducod, by widening the streets and laying down smooth pavenients instead of the rough pebbles formerly used. The fountains are supplied with water which is conveyed through pipes to the higheat part of the town. Oue of the most remarkable of them is the Chateau d'Fau, which presents a multitude of sculptured figures, bas-reliefs, jets, and basins, disposed in a pyramidal form, and producing a singular hut rich effect.

Of the public buildings the principal is the cathodral. The first cathedral of Clermont was built in the 5th century, by St. Namatius, uinth bishop of Auvergoo. According to Gregory of Tours, this structure was 164 feet long and 65 feet wide; it was lighted through 42 windows, entered by 8 doors, and the roof was supported by 70 colnmns. This church was destroyed by the barbariass, rebuilt and agaiu destroyed. The present cathedral dates from A.D. 1248 ; it stands in the centre of the city, and though it has never been com. pletely finished, is regarded as one of the finest monuments of gothic architecture in France. The interior is 323 feet long, 140 feet broad, and 108 feet high, from the pavement to the vault of the roof, which is supported by 56 clustered pillars. The pillars of the choir are especinlly remarkable for their delicacy. The choir is surrounded by chapela, of the painted windows the splendid roses of the transept are particularly worthy of attention. The whole structure is covered in with lead, and over the aisles are terraces, whenco extensive views are obtained ovsr the town and the surroundhy country. The dark stone with which the structure is built gives it a severe and imposing aspect, increased by its lofty site. There is no good near visw of the exterior, on account of the houses and shops that press close upon it. Ths chnrch of Notre-Dame-du-Port is curiously decorated and very ancient, many of its parts dating from the time of the originsl construction in A.D. 863. The other remarkable objects at Clermont are the pubiic lihrary, containing 18,000 volumen, the botanical garden, the endowed college, the nuseum of nstural history, mineralogy, and antiquities, the house in which Pascal was born in the Rue St.Genes, the tbeatre, town-house, court-house, the buildings in which the corn and linen markets are hsld, the two large hospitals, and the numerous promenales in the town and its cavirons. In the Place Jaude there is an intermittent fountain, the waters of which are advantageous in fevers and diseases of the digestive organs. In the suburb of St. Alyre, a fountain gives birth to a little stream which deposits such a quantity of calcareous and ferruginous sediment as gradually to raise its bed to a level with the surface of the fountain, when of course the waters would flow in a new channel and with the sams result. But to prevent the ground from being covered with these petrifactions the bed of the stream in destroyed from time to time. Once only the process was suffered to go on to the last degrce, and the result was a level wall 13 feet broall, 262 feet long, and with a height varying with ths slope of the ground.

Clertant is tho seat of a binhop, whone sce comprises the depart ment of l'uy-do-Dome; it is also the head-quarters of the 20th Military Divislon, which includes the dopartmenta' of Puy-de-Dôme, HauteLoire, and Cantral.

Woollen cloth, consisting of piece-dyed goods for the home market and for exportation to the Levant, jewellery, and plated goods are the chief industrial articles; but silk stockings, room-paper, cottonyarn, painted glass, and various other articles are mauufactured. The town has also a large commerce in the linen of Auvergne, corn, hemp, wool, flax, bides, wine, oil, salt, dried and preserved fruits, cattle, cheese, and various other objects of local industry.

Clermont-Ferrand occupies the site of Augustonemetum, which Strabo calls Nemossus, and erroneously places on the Loire. It was afterwards called Arrerni, from the Celtic nation whose capital it was, and whose name is perpetuated in Auvergne. Julins Casar doss not mention Nemetum or Augustonemetum; in his time the capital of the Arverni was Gergovia, which he unsuccsssfully besieged. An annalist of the time of Pepin mentions the castle of Clarus Mons which defended the ancient towu, aud from this no doubt the modern name Clermout is derived. The aucient town seems to have occupied the beight on which the cathedral stands, and the level ground to this south-east of it; several fragments of marble columns and parts of mosaics have been found on this site. In A.D. 408 the town was sacked by the Vandals, who destroyed all the principal edifices; in 412 it was again taken by the soldiers of Honorius. Euric, the Arian king of the Visigoths, uusuccessfully besieged it in 473 , but it fell into his hands with ths rast of Auvergne the following year, when ho imprisoned Sidouius Apollinaris, bishop of Auvergne, for sncouraging the townsfolk in rasisting the siege. Thierry, the natural sou of Clovis, took Clermont in 507, wheu all Auvergne was first subjected to the Frankish kings. Childebert having seized upon Clsrmont in 532, Thierry besieged aud took it, destroying the Roman aqueduct, and plundering the inbabitants of all they possessed. The town was ravaged again by Pepin, who made himself master of the castlo of Clarus Mous in 761 . From the plundering ravages of the Northmen it suffered severely in 853 and 916 .

In a council held at Clermont A.D. 1095, the first crusade was resolved on. l'ope Urban 1I. presided. The transactions of this council were numerous and important. In the middle ages, and up to the period of the French revolution, Clermont ranked as the capital of Auvergue. The bishopric of Auvergne was founded about A.D. 250 , and ths bishop held the first rank among tho suffrazans of the archbishop of Bourges; and uutil the erection of the bishopric of St. Flour in 1317 was the only bishop in Auvargne. Sincs about 1160 the prelates have been styled bishops of Clermont. The diocsse at present comprehends the department of Puy-de-Dime.

Louis le Gros besieged Clermout in the year 1100, in order to complel the townspeople to admit ths bishop whom they had expelled. In the iutestine commotions and the wars with the English in tho 12 th and 13 th centuries, the town suffered often; in 1220 thsy wero allowed the privilego of defending themselves, of mseting aud choosing their uwn officers, aud in lien of this service were exempted from all taxes. In 1285 the high tribunal of justice was for some reason transferred to Montferrand by Philip the Fair. Clermont was agaiu made the capital of the duchy of Auvergns in 1556, and the first commission of asslzes was held there in November of that year. During the wars of the League the inhabitants of Clermont were dsvoted adherents of the king. From the 28th of September 1665, to the 1st of February followiug, a commission of assize sat in Clermont to investigate and puuish the vexatious oppressions of the Auvergnat nobles.

The environs of Clermont are very interesting on account of abundance of evidence they bear of ths volcanic agency that once desolated the region of Auvergne. The gorge in which the village of Royat is built abounds with spriugs that gush forth from basaltic rocks, and flow in beds hollowed out in what was once a molten torrent of lava. The Puy-de-Dôme and other summits that surround it are easily reached from Clermont.

The platean of Gergovia, some three miles to the south east of the town, is considered to be the site of tho Gergovia from which Julius Casar was obliged to retire in his campaign against Vercingétorix. (' Bell. Gall.' vii.)
(Dictionnaire de la France.)
CLERMONT-LODEVE. [HERAULT.]
CLERMONT-OISE. [OLSE, Department of.]
CLEVEDON. [SOMERSETSIIRE.]
CLEVELAND. [Yorksilme.]
CLEVES (Klsve, German), the most north-westerly district of the kingdom of Prussia, and part of the old duchies of Cleves and Guelderland, is the name of a circle in the province of Duisseldorf, in the Prusso-Rhenish provinces. It contains about 185 squaro miles, and had a population of 45,000 (chiefly Roman Catholics) in 1846 . Cleves lies betwsen ths Rtine and Holland. The surface is partly of moderate slevation, but for the most part a complete level, and some of it near tha Rhius is so low as to be flooded occasionally by the river, from which however it is protected by a high dam. The soil, though very sandy in many parts, has in general boen rendered extremely productive by careful cultivation. There are fow parta of Germany in which farming is conducted on a better or more profitable aystem than in Kleve. In the westerly districts lies the extensive Keichswald, or Forest of Clevos: 31,000 acros of this circle are occupied by woods and forests, while of the remainder 58,350 acres ars arable
lad, and 93,900 acren aro in meadown or pastures. The produce In chledr wheat, rye barley, oats, buckwheat, tobncco, peas and beann, protatoes, clover-sed, butter, aud cheese, of which three inst-mentioned articles annch is exported. Cattlo are for for the consumption of the amnufacturing torm of Ditmeldorf and Filberfeld, and large quantities of taxand seeds ane grown for exportation to llolland and Fagland. The district in almont exclusively agricultural, but there are mome manufncturen of cottonyman, woollens, ailka, cottons, linens, cutlery, fiuc leathor, *c.

The capital in Cleves, formerly almo the chief town of the duclyy of Cleren, which is plemantly nituated in $51^{\circ} 47^{\prime \prime} 40^{\circ} \mathrm{N} . \operatorname{lnh}, 0^{\circ} 7^{\prime} \mathrm{li}$ long., 45 miles $\$ . W$. from Dusseldorf, on the Kermisdahl, about mile from the banks of the lhiue, with whlch it communicates by the Spoy Canal. It is walled, well built in the Dutch atyle, and divided luto upper and lower towns; the npper town being built on three hills the nercets ane steep and irregular. Formerly it wita fortifiod, and was considered a place of atrencth until the middle of the 16 th century. It containa a Catholic cathedral built in 1340, with two towera; three Protestant cliurches ; a synagogue; and a royal palace callal the Schwanenburg, the tower of which, built by tbe Duke of Cleves in 1439, is extremely massive, and being on the highest point of the hill on which the palace stands forms a stately ormament to the town. The palace is now used partly for government offices and partly for a prison. Anne of Clevea, one of Henry V111.'s ill-fated wives, wat born in it. There are extensire gnrdens round the palace, which contains a valuable collection of Roman antiquities found in the town and its environs. Cleves possesses a high-school, three hospitals, a house of industry, house of correctiou, \&c. The population is about 8000 . The manufactures consist of yarns, cotion goods, silks, woollens, flannels, stockings, linens, tobacco, brass-ware, \&c. There are three squares or open spaces, and in the viciuity a park of about 700 acres, and a clanlybeato spring surrounded by handsome grounds, which was opened in 1742 . The place is much fregnented by pisiters in summer.

The old duchy of Cleves cxtended along both banks of the Rhine. After the Franks hal driven the Romnns from this territory it was governod for long time by counts. Otho l. united Cleves to the German empire, but it was still rulel by counts as a fief of the clupire. Adolphe 11 , count of Lamarck, having married Mary, daughter of Thierry VIll., lam count of Cleves, Inherited the county, aud having obtained the liventiture of it from the emperor Sigismund, assumed the titlo of Duke of Cloves in 1439. On the death of the Duke Johann Wilhelto in 1609 the duchy fell to Sigimmund, elector of Brandeuburg, who had married Anne, niece of the last duke. The house of Brandeuhurg held the duchy till 1794, when the French seized it. Napoleon I. united the portlon of the duchy that lay along the right bank of the Rhine to the grand duchy of Berg in 1800. These territories wero reatored in 1815 to Prossin, which formed them into - prorince called for a tlme Cleve-Berg, or Julicrs-Cleve-Berg, from a part of the duchy of Jnliers having been united with them. All these duchies are now merged in the l'russinn province of the Rhine. [Rheis. Provisz.]

CLIFDF.S, county of Galway, Ireland, in the pariah of Omoy and barony of Ballinahinch, a rea-port and post-town, and seat of a PoorLaw Unlon, im nitunterl in $59^{\circ} 50^{\prime} \mathrm{N} . \operatorname{lat}, 9^{\circ} 55^{\prime} \mathrm{W}$. long., distant 47 miles W.N.W. from Galway, and 178 miles W. from Dublin. The population in 1851 wes 1602 in the town, 11 in the bridewell, aud 639 in the workhonse. Clifden Poor-Law Union comprises 19 electoral diviaions, with an area of 192,988 acres, and a population in 1851 of 25,389.

Clifien in sitmated at the head of an inlet of Ardbear Maven, one of the numeronn deep Indentatious of the western cosst of Connemnra. It atanils on the elevated banks of the Owenglen River, a rapid stream descending from the melghbouring mountain group of the Twelve l'ius, or Bins, which form a grand background to the picturesquely. nituated town. Cliflen owes its origin to the enterprise of the lato Mr. Darcy, who about 1812 orected the first buildinga liere. It connisted only of a ningle two-story slated house and a few thatched cabinn until 1822, when the now lines of road from the interior beiug opened by the government, a place for the atorage and slipment of produce was required to secommodnto the increasing agriculture of the dintrict. 3lr. Darcy offering building lenaes In perpetulty a town foprung up with extraorlluary rapldity. In 1835 the revenue was F000. The potatoe hlight and conmequent femise of 1840 and the mucceerling yearn with other canmen, reluced the town to a sery heiplesa condition. The town was aold In the lincunbered Eitates Court along with the reat of the Darcy eatatee. There are In Clifilen a handmome church In the gothle atyle, a achool-hnuee, a farge Roman Catholle chapel, a dispenary and forer horpital, aud barracka for military and conitnOnlary. Quarter memion for the county of Onlway aro helil in rotation. Vemeln of 200 tom can come up to the picr; nad in Arlbear linrbour, outaide the Inlet of Clifflen, In pafo anchorage for vessels of any tonnage. Clifden Cantle, the nont of the forner proprictor, Is fincly nitusted on the northern shore of Ardbear harbour, about a milo weit of the town. The mansion is castellated, and presentim an imposing and pletureague appearance. A late eminent traveller remnrks that the scenery here ie more Swise in character then anything he had seen in Iroland.
(Lowis, Topographical Diefionary: lnglis, Irelond in 1834; Man of the Darcy Fistate in the Court for Sate of Encumbered Esta'es in Irciand.)

CLIFTON, Glouceatershire, a suburb, and generally reckonel an forming a part of the elty of Brisroz, and the meat of a Poor-law Union, in the parish of Clínon and hunired of Burton liegis. The populatiou of the parims of Clifton in 1851 was 17,084 . The liviug in a perpetual curacy, with the curncy of Dowry munexed, in the archdesconry of Bristul and dioceno of Gloucoster and Bristol. Clifton Poor-Law Union contnlns 12 parishes nud townalipm, with an area of 37,189 acres, and a population in 1851 of 75,950 .
Clifton owerl its early prosparity to the Hotwelln, whioh mado it a favourite reeort os a whtering place. it is now much used an a pheo of resifence by the merchmats of liristol. Its mane is derived from its situation on the precipitous beights overhanging the river Avons. From these heights are obtained extensiva views over rich and picturesque ncenery. Clifton parish church, ercetod iu 1522, will accommodato 1700 sersons ; there are four other churches in Clifton belonging to the listablishod Church, and a large Romau Catholio Cathodral. Tho Indejendents, Baptists, and Wesleyan Mothodiata hare places of worship. Schools are attached to most of the churchee and chapels. For a further notice of Clifton, see Bristom

CLITHEROE, Lanncoshire, a market and manufacturing town municipal and parliamentary borough, and the seat of a Poor-Law Union, in the parish of Whalley and hundred of 13lackburn, lien in the valley of the river libible, 216 miles N.N.W. from London by road, 225 miles hy railway via Bolton aud Jlaschester, and 26 miles S.E. from Lancaster by road; in $53^{\circ} 52^{\prime} \mathrm{N}$. lat, nud $2^{\circ} 9^{\prime} \mathrm{W}$. long. The population of the munioipal borough in 1851 was 7244; of the parliamentary borough 11,480. The borough is goverued by a municipal corporation, conaisting of 4 aldermen and 12 councillora, oue of whom is mayor; and returns one inember to the Imperial Parlinment. For sanitary purposes the borough is governed by a Local Board of Health. The liviug is a perpetual curacy in the rectory of Whallcy. Clitheroe PoorLaw Union contains $\$ 4$ parishes and towu ships, with an aren of 129,090 acres, and a populatiou in 1851 of $22,36 \%$

The town is pleassatly situnted upon a low outlyiug hill of mountain limestone. The main street runs along the ridge of the lill, which is erowned at its southern cxtremity by the ruins of the old castle of Clitheroe, and is terminated at its northern extremity by the parish church of St. Mary Magdalene. The suburbs of Waterloo and Salfon are built on the low lands uear Mearley Brook, east of the town; while on the west side a road runs through the suburb of Bawdinndn to the detached village and factory of Low Moor, by the side of the Iibble. The name, sucieutly spelt Cliderhaw, is descriptive of its aituation, a 'hill by the waters.' The fauily of De Lacy, who came over with the Conqueror, built the castle, which consisted of a keep, with a tower and anched gatewny, morely as a fortress Within the walls by which tho castle was inclosed was a chapel dedicated to St. Michacl, which wan destroyed when the fortress was dismantled in 1649. The llonor of Clitberoe was, for nearly three centurias, a part of the possensions of the duchy of Lancaster, till Charles 11. granted it to General Mlonk, duke of Albemarle, from whom it has descended to the present proprietor, the Duke of Bucelench.

The church of Clitheroe is au anclent structuro, with a fine Normnn arch between the nave and the choir; it is dedicated to St. Miehacl. Besides the parislı church, there is a distriet church of Sit. Jamoa, built in 183\%. The lRoman Catbolicn, Indopendente, and Wesleyan Methonlists linve places of worahip. Contiguous to the churchyard in a Grammar achool, founded and endowed by Philip and Mary in 1554, at the recommendation of Bisbop Bridgman, who drew up the ntatites. The anmal income from endowment in nbout 4501 . The number of acholarn In 1952 was 25. There are Nintional aud lufant schnols, a uicclaulcs institution, and a arvinga bauk.

Clitheroe wa a borough by prescription as early as the 11th ecntury; but its existing corporato nrraggements were settled by the Municipal Corporation Act of 1835.
lixtensive print-works aud cotton manufactories have been recently catablinhod at Clitheroe, which, along with the lime-kilna, provide anple employment. Thoneighbourhood abounds with limestono, for which thero ia a great demand, as it can now be conreged by water to any part of the kingdom. The chief estahlinhment in tbe town is the celebrated print-workn of Mcsars. Thomson at I'rimrose Lodge, on the aouth-west margin of the town. A dam lass been throwu across the valloy of Mearley Brook, to form a rewervolr for working the great waterwheel of these worke. Attached to the works in a farm of 80 acres, nupplied with mautre by meaun of sewnge refuse, which would otherwise contrminate the streama. There are four cotton factorica at Clitheroe. Nearly one third of the tatal populatlon of Clitheroc, adulta and children, are omployed at the fire large establishmenta, The market is on Tuesday: and on every altamate Tuenday there in a largo cattle-market Fairs for horses, cattle, and pedlery are held on March 24th, August lut, the fourth lriday niter September 29 th , and December 7th. On the wett of Clitheroe is the celebrated eminence, Pendlo Ilill, the summit of which is 1803 feet above

## he sea.

(Whitaker, Misory of the Original Parish of Whalley and Monor of
Clitheroe: Iaines, Lancashire: Communication from Clitheroc.)

CLOGHEEN, county of Tipperary, Ireland, in the parish of Shanrahan and barony of West Iffa and Offa, a post-town and the head of a Poor-Law Union, is situated iu $52^{\circ} 17^{\prime} \mathrm{N}$. lat., $7^{\circ} 57^{\prime} \mathrm{W}$. long., distant 14 miles W.S.W. from Clonmel, 119 miles S.S.W. from Duhlin, on the road from Clontnel to Fermoy, and 18 miles E.N.E. from Fermoy. The population in 1851 was 1562, hesidcs 1322 in the workhouse and other publie institutions. Clogheen Poor-Law Union comprises 14 electoral divisions, with an area of 118,427 acres, and a population in 1851 of 33,952 .
Clogheen is a well-huilt cheerful town, situated on the southern verge of the great valley included between the parallel ranges of the Galtee Mountains on the north, and the Knockmeiledown Mountains on the south. This vale lying at a low elevation and possessing a rich limestone soil, produces abundant crops of wheat, the grinding of which constitutes the principal branch of industry in Clogheen. The Tar, an affluent of the Suir, furnishes an abundant water-power. Hero are a bridewell and sessions house, in which quarter sessions are held, a barrack for two troops of horse, a fever hospital, and a dispensary. At Skeheenarinky, about six miles west by north from Clogheen, are the remarkablo caverns in the limestone rock, generally known as the 'Cavcs of Mitehellstown.' They cousist of a scries of natural vaults and galleries extending about 800 feet in length hy 570 feet in breadth, and cxhibiting a surprising and beautiful variety of crystalline concretions. The depression of the lowest chamher beneath the level of the entrance is 50 feet.
(Fraser, Handbook for Ireland; Lewis, Topographical Dictionary.)
CLOGller, county of Tyrone, Ireland, in the parish and barony of Clogher, an ancient episcopal sce and post-town, and the seat of a Poor-Law Unior, is situated on the road from Enviskillen to Aughnaclog aud Dungaunon, 98 miles N.N.W. from Dublin. The population in 1851 was 553 in the town, exclusivo of 442 in the workhouse. Clogher Poor-Law Union comprises 18 electoral divisions, with an area of 101,679 acres, and a population in 1851 of 31,388 .
Tho town of Clogher is situated on the Launy, a feeder of the Blackwater, and consists principally of one straggling street. The cathedral, which also serves as the parish church, is a plain cruciform building; the bishop's palace stands in a handsome demesno of 500 acres, adjoining the town. The diocese embraces the greater part of the county of Fermanagh, and the whole of Monaghan, and extends into portions of Donegal, Tyrone, and Louth. It contains 45 parishes, conatituting an equal number of beuefices, being the only diocese in Ireland in which these divisions coincide. The chapter consists of dean, precentor, chancellor, archdeacon, and five prebendaries. The see is held by the Archbishop of Armagh.
Saint Patrick is said to havo been the first bishop of Clogher, where Jocelyn reports that he founded a see before tho erection of the church of Armagh in A.D. 444. Maccartin, the disciple of Patrick, built a cell and monastery here before his death in 506. The church was rebuilt in 1041, in 1205, and again, a century later, by bishop Arthur MacCamel, the former building having heen destroyed by fire, together with the cell of Maccartin, the Monastery of the Virgin, two chapels, and 32 other housen, including the episcopal court. The first Protestant advanced to this see was Miles Magragh, in 1570: he was afterwards Archbishop of Cashel, to which ho was translated in the same year in consequence of the impoverished state of Clogher about this time. The see was afterwards greatly enriched by a grant of the revenues of the abbey of Clogher, annexed to this bishopric by King Jarnes I. Ainong the names of the more recent bishops of Clogher are those of Spottiswood, Lesly, Boyle, and Dr. Sterne, the munificent founder of the University Printing-house in Duhlin.
(Ware, Bithops; Reports of Commissioners.)
CLONAKILTTY, or CLOGHNAKILTY, county of Cork, Ireland, in the parish of Kilgariff and barony of East Carberry, a post-town and the seat of a Poor-Law Union, and formerly a parliamentary horough, is situated ou a channel about a mile from the harbour of Clonakilty, in $51^{\circ} 37^{\prime} \mathrm{N}$. lat., $8^{\circ} 53^{\prime}$ W. lung., distant 196 miles S.W. from Dublin. In 1851 the population was 3300 . Clonakilty PoorLaw Union includes 20 electoral divisions, with an arca of 80,455 acres, and a population iu 1851 of 31,473 .
The principal part of the present town has been built siuce the ycar 1790, about which time a marked improvement took place in trade of all kinds. The erection of quays and extensive stores created an independent market, and made this port the point of export of heavy goods for the surronnding country. About the same timo it became the most frequented linen and yarn inarket in that district. The linen trsde has since been abandoned. An export of corn to Cork and import of coals are the prineipal hranches of traffic. The public hnildings are a chnrch, a Roman Cntholic chapel, a barrack, a courthouse, a linen hall now disused, and a county bridewell.
(Reports of Commissioners; Statistical Survey of the County of Cork; Frasor, Ifandbook for Ireland.)
CLONDALKIN. [DUBLIS County.]
CLONES, connty of BLonaghan, Ireland, in the parish of Clewes and barony of Dartry, a post-town and the eeat of a Poor-Law Union, is situnted in $54^{\circ} 7^{\prime} \mathrm{N}$. lat., $7^{\circ} 15^{\prime} \mathrm{W}$. Iong., distant 86 miles N.N.W. in 1851 Was 2333 , besides 510 in the workhonse and other public in 185 Was 2333 , besides 510 in the workhonse and other public
institutions Clones Poor-Law Unioa comprises 16 electoral
divisions, with an area of 73,506 acres, and a population in 1851 of 28,183 .

Clones is situated on the high road from Monaghan to Belturbet. The town is substantially built for the most part of stone, and has a comfortable and thriving appearance. Tho market-place is a triangular space having the market-house in the centre. An ancient sculptured stone cross of that kind peculiar to Ireland, in which the arms of the cross are inclosed in a circle, stands on the summit of a flight of steps in the market-place. In or near the town are places of worship for Episcopaliaus, Roman Catholics, Presbyterians, and Wesleyan Methodists ; a sessions court-house; a bridewell; an infirmary; and a fever hospital. There is a considerable trade in linens and in agricultural produce. Here are extensive corn-mills and a brewery. Cloues is rich in autiquities. On the south side of the town, on the rond leading to Cootehill, are the ruins of au ancient monastery alleged to have been founded early in the 5th century, including a round tower. The Ulster Caual passes near the town. Quarter and petty sessious are held here.
(Lewis, Toporgraphical Dictionary; Thon, Irish Almanac.)
CLONFEITT. [Galway-; Killáoes.]
CLONJLACNOIS, or CLUANMACNOIS. [King's County.]
CLONMEL, counties of Tipperary and Waterford, Ireland, a post and assize town, a municipal and parliamentary borough, aud the seat of a Poor-Law Union, in the parish of St. Mary of Cloumcl, chiefly in the barony of Iffa aud Offa East and south riding of the county of Tipperary, and partly in the barony of Upperthird and county of Waterford, is situated on the river Suir, 104 miles S.W. by S. from Duhlin, $52^{\circ} 13 \mathrm{~N}$. lat., $7^{\circ} 43^{\prime} \mathrm{W}$. long. Tho population in 1851 was 12,367 on the Tipperary side of the river and 151 on the Waterford side, besides 2818 persons in the workhouse and other public institutions. Clonmel is gorerued by a corporation cousisting of a mayor, free burgesses, and a commonalty; and returns one member to the Imperial Parliament. Clonmel Poor-Law Union comprises 14 electoral divisions, with an area of 36,811 acres, and a population in 1851 of 36,650 .

Clonmel is huilt principally on the northern or Tipperary side of the Suir, and on an island formed by that river, with a small suburh on the southern or Waterford hank. There are five bridges, two of which connect Moore's Island with hoth banks of the river, and trro aro carried over Long Island, which is about three furlongs in leugth hy one furlong wide. Tho fifth hridge crosses the whole breadth of the river. Long Island is entirely huilt over. The town contains several good streets, the main street extending parallel to the river for upwards of a mile in a series of divisions known by different names. Several short and narrow streets lead southward to the river, three of them conducting to tho bridges. The streets which divergo from the main street towards the north are more numerous and of higher prctension than those leading to the river. The material employed in building is limestone, which abounds in the vicinity. Tho streets are paved snd lighted with gas. Tho parish church of St. Mary is situated north of Mnin-street. It is an nnciont and spacious building with two towers, one of 84 feet surmountod by an octagonal lantern, and has a fine oricl window adorned with gothic tracery and stained glass. A large nunnery stands on the opposito side of tho river. There are places of worship for Roman Catholics, Presbyterians, Weslcyan and Primitive Methodists, Quakers, and Unitarians; two convents, and an institution of the Society of Christiau Brothers. An Endowed school founded in 1685 has au annual incomo from endownent of ahout 600l; the number of scholars in 1851 was 13 , of whom 6 were free. In Clonmel are the county lunatic asylum, au infirmary, a fever hospital, a dispensary, the county jail and courthouse, house of correction and town bridewell, barracks, the county club-houso, and other buildings. Therc are a mechauics institute, a savings bank, and a Model school under the National Board of Education.
Clonmel is a place of considerable antiquity. It is said to have been walled by the Danes. Otho de Grandison, who had a grant of Tipperary and a considerahle portion of Cork, was tho first English possessor. He founded a Franciscan friary here in 1269. From its situation on the frontiers of the pale, Clonmel was a couvenient station for assembling on any emergency. On the breaking out of tho war in 1041, Clonmel deelared for the Roman Catholic cause. It made a good defence against Cromwell, who hesieged and fiually took it in 1650. Few antiquities remain : a gate-house at ouo end of the main street is the principal part of tho old works standing. The assizes for the south riding of Tipperary are held here, aud quarter-sessions in rotation, hesides weckly petty sessions. Tho market-days nro Tuesday aud Saturday. Fairs are held on May 5th, Novemher 5 th, and the first Wedncsday in every month. The exports from Cloninel are chiefly corn, cattlc, butter, aud provisions; of wheat from 200,000 to 300,000 barrels are annually brought into the town. The flournills, which aro numerous and extengive, are chiefly situated on Suir Island. Clonmel is the depôt of the great posting establishment of Mr. Bianconi. There are several breweries, au extcnsivo distillery, and a cotton manufactory. Barges of from 20 to 50 tous ply ou tho Suir to Waterford. The northern hank of the Suir, between the two lower hridges, is quayed in. The Waterford and Limerick railway passes through Clonmel. The ruins of the ancient church of St.

Stephen remanin at the westerza and thone of the church of St. Nicholes at the ensters end of the town: there are also mome remalns of the ancieut caatle. The environs of the townare jurticularly rich and attractive. The name aiguifies 'the vale of honcy.'
(Ondnance Swrrey Jap; Thein, Irish Almanac; Fraser, Ilandbook for Irelond.)
Clontarf. [Dualim County.]
C1.OUD, ST., a cmall town in Frabce on the Paris-Versailles railway, on the left bank of the Solne, is rituated in the dopartinent of Seine-etOino in Franee, about $\delta$ miles W. from Paris It is maid to have been known in the carlier ages of the Frankish monarcly by the name of Nogent. Chlodonld, one of the three sonm of Chloclomere, king of Or 1Gank, rotired hither in the Gth century, haviug embraced a monastic life to aroill the fury of his uncles Childebert nnd Clotaire, who had (533) murlered bin two brothers in orler to soize their inheritance. This princo wes casonled, and his name, corrupted into St. Cloud, has been given to the town where he pased his lifo and where bo was baried.

St.Cloud in celebmed fer Its park and palace. Within the limits of the park was formerly a chatenu belonging to a Florentine, Jerome de Gondi, in which Ilenry 111. of France took up his quarters during the siege of Paris by his own forces and those of Henry IV., king of Navarre. Here he was killed in 1588 by the monk Jscques Clement. The domain with an arjjacent one was purchased by Louis XIV., and given to his hrother the Duke of Orleans. The present palace, built by the duke, has engaged the talents of several architects, among whom was Mansard. It was purchased a little before the revolution by Maric Antoinette, who mueh enlarged it, and rendered it wore magnificcut. ISonaparte on his return from Egypt (1799) assemhled the Council of the Five Ilnndred in the palace of St-Cloud, and discolved them hy force; and here he was named First Consul. After the Restoration the palace of St.-Clond was the favourite sunmer residence of the royal family. The memorable ordiunuces which were the immediate cause of the revolution of 1830 wero dated from St.-Cloud. Lovin Philippe made the palace of St.-Cloud his summer residence, and it is now the usunl country residence of the Emperor Napoleon III.
The park of St.Cloud extends from Sdrres to the town of St.Cloud, on a hill which rises above the bank of the Seine. The lower part of the park, along the bank of the river (from which it is separated hy a rond and towing-path), is occupied hy a maguificent plantation of elms and by green lawns; it is the part most frequented by those on foot, as being the nearent to Paris and the most commodious for walking. Bint the upper part of the park, and the wooded slope of the hill on which it lies, excel the lower part in picturenque benuty. The slope, akilfully planted, is adorned by masses of foliage, by froquent steep declivities, aud hy pleasant recesses. Down this slope falls the cascade of St.Cloud, the water tumbling from one hasia to another carred in the form of shells, and adorned with grotto-work, statues of marble and Ggures cast in lemul; at the bottom of the cascande the 'ginat jot' spouts up a column of water to the beight of more than a hundred feet. The upper part of the park has apacious lawns and alleys of treen stretching beyond the reach of the eye, but the turf is not so fresh nor aro the trees so vigorous as in the lower part. At the edge of the alope a platform called La Ralustrude commande an extenvire view, including the long meanderinge of the Seine, the whole extent of tho capital, and a considerable part of the surrounding country. From this platform rises a lofy square tower, from the top of which in a prospect still more extensive. This tower was huilt by Bonaparte in 1801, and on the top of it is a copy of the Monumeut of Lywicrates, or lantern of Demonthense. The park was laid out hy Lo Notre. In one of the numerons shanty allegs of the Great Park, an the lower part of it is called, is annually held the fair of St.-Clond, Whach lasts frem the 7 th to the 15 th of September, and is numerously ntteaded hy the Parinians. Whilst the fair lasts the water-works play, the palace in thrown open to visiteris, and in the evenings the park and the Great Avenue are Illumluated.

The chatenu of st.Clond is equally admired for the beauty of its sitmation and the elegance of its arelitecture. It has not indeed the vant magnificence of Vemaillen, hut it is an beautiful with less pretennion. It consints of a prinoipnal front and iwo wings at right angles, lncloning three siden of a square; the fourth side is forned by a termee and bminatrede, from which there is a riew of the park mad of the anme othjecta whieh the platform commauds. There are throe porticon of the Corinthinn order-oue in the centre of the prineipal fruat and ove at the extremity of ench wing ; the intervals aro adornel with statuen anil reliefl. The mont remarkable parth of the Interior are the chajel, the orangery, the thearee, the parvilion, the riding nehool, and tho royal officos. The private apartinente are richly furnichel, and ooutain a grent namber of marble statuen, poreelain vamen, and abovo two hundrod paintingy by tho mont celehratal manters. Tho gallery wa pminted hy Mignard; in the room called the Solon in Mara, the ceiling of whleh was painted by the name artish aro four snperb marblo columna. Tho chatoau wan mueh improved and aplendidly furnished by Najoleon I.
CLOYNE, connty of Cork, whld gare lta name to the merged bishoprio of Cloyno, is a minall post and markettown in the barony of
Itookilly, dirtant 160 milcos S.SW. from Dubliu. The populatlou in

1851 was 1713. The chief oljject of interest here is a round tower, 92 feet in height, surmounted by a modern battlenent, the original oonienl roof having beet destroyed hy lightuing in 1749. Enot of the round tower, on the opposite wide of the street, stands the eathedral, a small heary huilding, supposed to have been raised about the ond of the 13 th century. The epincopal palece adjolns the town; it is a plain manslon, and stands in a haudsome denesue. Cloyne is an inconsiderable town, consisting chiefy of one street of mean bouses. Being the only market-towu iu a considerable extent of country, its fairs are usually well attended. Here aro an Endowed and a Freo sehool.

The founder of the bishopric was Colman, son of Lenin, the chief bard of Acdh, king of Munster, who died in 604. About 1480 it was united to the see of Cork, and thua continued till 1638, whent it was constituted a separate sce. Isy the Srd and 4 th Win. IV., c. 87 , sec. 12I, Cloyne has become reunited to Cosk and looss
(Ware, Biuhops; Thom, Irish Almanac; Croker, Sketches in the South of Ireland.)
CLUN, Shropohlre, a small markettown and borough, and the seat of a Poer-Law Uulou, in the parish of Clun and huudred of Purslow, is situated on the river Clun, in $52^{\circ} 25^{\prime} \mathrm{N}$. lat., $8^{\circ} 0^{\prime} \mathrm{W}$. long., distant 24 miles S.S.W. from Shrewsbury, and 159 miles N.W. hy N. from Loudon by rond. The population of the township of Clun in 1851 was 934 ; that of the entire parish, including 14 townulhips, was 2121. The living is a vicarnge with the curacy of Chapel Lawu annexed, in the archdencoury of Salop nad diocees of Hereford. Clun Poor-Law Unien contains 19 parishes and townships, with an area of 62,871 acres, and a population in 1851 of 10,118 .
The district in which Clun is situnted was fermerly reckoned as a distinct hundred, callod the hundred of Clun, and was reputed part of Wales. Shortly after the Norman Conquest the place gave a title to the celebrated family of Fitz-Alan of Clun, who maiutained a castle bere. In the tine of likizaheth the castle came by marringo into the possession of the Howards of Norfolk. It subseqnently becamo the property of Lord Clive, and now belongs to his descendants. The dukes of Norfolk atill retain the title of llaron of Clun. The ruias of the castle are situated on the banks of the stream. The borough of Clnn is a borough by prescription. Besides the parish church there are places of worship for Webleyan and Primitive Methodista, An hospital, founded in the early part of the 17th century by Heary Howard, earl of Northnmpton, has an income of about 1200 . per annum. In this institution 14 poor meu are mnintained, having ench two or three rooms, a garden, clothing, fuel, and 10s. per week. The hospital is a nent quadrangular buildiug with a lnrgo garden in frout. Thers is no manufacture in the place. The weekly market, beld on Wodnesdny, is well attended. Fairs for sheep and cattle are held on Whit-Tuesdny, on September 28 rd , and Novemher 22 nd .

CLUNY, a town in Frabee, in the department of Sadne-et-Loire, is situatod in a narrow ralley traversed hy the little river Grône, 12 niles N.W. from Macon, and has about 1200 inhabitanta, including the whole commune.
Until the early part of the loth century Cluny wan a mere village. In 810 Guillauno 1., duke of Aquitaine, who had purehaeed the village, founded here an abbey of the Benedictine order. About 20 years afterwards St. Odon, second abbot of Cluny, introducod a roform into the Benedictine order, which reform spread very widely; nud in course of time 2000 religious houses adopted the discipline of Cluny, which alone of the housen that observed the rule retnined the rank of an ahhey; the others were all siznple priories, the ahbots laying aside their title and rank. The abbot of Cluny was the recog. nised superior of the whole order. The abbey was very extensive. When in A.D. 1245 Pope Innocent IV., accompaniol hy twelve cardinals, a patriarch, three arehbishops, the two geuerals of the Carthusians and Cistercians, and the King of France (St. Louis) and threo of hib sons, the Queen Mother, Bnudouin, count of Flanders and emperor of Constautinople, tho Duke of Bourgogne, and nix lords, vinited the ahbey, the whole party, ecelesiasticnl, royal, and noble, were lodgod in the huilding of the monastery without disarranging the orler of the monks, who amounted to four liundred. The ahbot had the dispoeal of a great number of benefices, and of the priories of the differont houses of the order. The revenues of the establinhuent wore estimated in 1762 at about 5000 . In 1789, a time wheu couventual property seems to have been valuod very highly, the rovenues of the abbey were said to amount to $12,000 \mathrm{l}$. Uf the abley huildinga ouly the ahbot's house, one chapel, and a part of the chureh towers, encaped destraction. The chureh of the monastery, one of the largest in tho kingdom, huilt lu the form of a cross, with uave, alsles, douhle transepts, and choir, was Wtally demolished by the Vandals of the time. It was 656 feet long and 180 feet whe ; the groater transept was 213 feet, the leas 132 feet In length; the nave was 102 feet and the aleless 60 feet high; the raultod roof was supported by 60 pillars. The monastery had beell three times pluuderel hy the Huguenots: before the last pillage the lihrary contained 1800 manuuscripta, and even after this event it was one of the richest ln Frauce; but it was dispersed or transferred elsewhere at the revolution. A college is now cstablished In the abbot's house, we believe.

The town of Cluny occupies an much ground as MAcon, though it in far less populous. It was formerly defended by walls, part of which
remain. There is" a stone bridge over the Grofe, and before the revolution there was one religious establishment, besides the abbey, and two hospitals, oue for the poor and one for the sick. The inhahitants manufacture coarse woollens, paper, tiles, vinegar, shoe and glove leather, cream of tartar, and steelware; they also trade in corn, wine, leather, and wicker-work. The valley affords pasturage, and produces grain and wine : alabaster and jasper are obtained from the neighbouring mountains.
CLUTTON, Somersetshire, a village and the seat of a Poor-Law Union, in the hundred of Chew, is situated in $51^{\circ} 19^{\prime} \mathrm{N}$. lat., $2^{\circ} 33^{\prime}$ W. long. ; distant 10 miles S. hy E. from Bristol, and 118 miles W. by S. from London. The population of the parish of Clutton in 1851 was 1480. The living is a rectory in the archdeaconry of Bath and diocese of Bath and Wells. Clutton Poor-Law Union contains 29 parishes and townships, with an area of 46,200 acres, and a population in 1851 of 25,224 . The village of Clutton is small, and the houses are not built on any regular plan. The parish church is ancient. There are chapels for Wesleyau Methodists and Independents; also National schools. Coal-mincs are worked in the vicinity.
CLWYD, a river in North Wales, in the counties of Flint and Denbigh. It rises on the eastern declivity of the Bronbanog hills, a ridge belonging to the Hiraetog hills, and its upper course for a few miles is to the south. It then suddenly turns east-north-east, and continues nearly 8 miles in that direction. About 3 miles above Ruthin it declines to the north, and preserves this course to its mouth. The upper part of its course is through a narrow valley, which presents some very fine views. Below Ruthin it enters the fertile vale of Clwyd, which extends upwards of 15 miles in length, and is a pretty level tract from 5 to 7 iniles wide. Being studded with towns, villages, and seats, covered with verdant meadows and luxuriant fields, and inclosed on every side by browe and barren hills, this vale offors by the contrast a very pleasant view. A little below St. Asaph the Clwyd is joined hy the Elwy, which traversing a hilly tract brings to it a large mass of water, and the river below this town increases considerably in breadth. It soon afterwards enters the fertile and extensive marsh of Rhuddlan, called Morva Rhuddlan: 3 miles below the town of Rhuddlan it enters the sea through a small astuary opening northward, and forming a port for small coasting vessels. The whole course of the river is about 30 miles; it is navigable for flat-bottomed hoats of about 70 tons up to Rhuddlan quay

CLYDE, a river in Scotland, the third in magnitude, hut the most important for lts commerce and navigation. Its sources lie between $55^{\circ} 15^{\prime}$ and $55^{\circ} 28^{\prime} \mathrm{N}$. lat., where the highest summits of the mountain range which traverses South Scotland, the Lowthers ( 3150 feet), the Lead Hills, Queensbury Hill ( 2259 feet), and the range connecting the latter with Hart Fell (2790 feet), form nearly a semicircle. The rivulets which descend from this range unite in one stream about $55^{\circ} 27^{\prime}$, and form the Clyde. The largest of these streamlets is the Deer; but a smaller stream is called Clyde, before the union. After the junction of these atreams, the Clyde continues in the direction of the Daer northward to Roberton, 12 miles lower down : in this part of its course the current is very rapid, and preserves the character of a mountain-stream. North of Roberton, the Tintoe Mills ( 2310 feet high) direct its course north-east; at Biggar it changes to the north-west and north, but its course soon becomes west-bouth-west to its confluence with the Douglas Water, thus making a large bend round the Tintoe Hills. The valley through which it flows is wide, and the current is so gentle that in some places it is hardly perceptible. After the junction with the Douglas Water the rapidity of the stream increases, and immediately afterwards the 'Falls of Clydc' change at once the level and the character of the stream. The first of these falls is Bonniton Linn, a cascade about 30 feet high, which is followed by Corra Linn, where three waterfalls occur near one another, each apparently as high as Bonniton Linn. The rocks on both sides narrow the hed of the river so much, that the waters in some places rush down a chasm not more than four feet wide. Corra Linn is two miles above the town of Lanark. Two miles lower down is the fall of Stonebyres, which also consists of three distinct falls, altogether about 70 feet in height. The falls and the sccncry near them are extremely picturesque. It is probable that the river in a space of ahout six miles deacends not lesm than 230 feet, and the valley of tho river abovo the falls may be ahout 400 feet above the sea. Below the falls, the river, continuing its north-west coursc, runs in a fine valley to Blantyre and Bothwell, the lands rising in a gentle asccnt on both sides. Ifere and lower down its banks are sometimes hold and richly wooderl: bometimes they extend in level plains. At Glasgow the Clyde forms the harbour of the city. From Glasgow to the vicinity of Dumbarton the Clyde rnns through a levcl country. At no great distance from the castle of Dumbarton tho Kilpatriek Hills rise on the north, and the Renfrew Hills on the south. Between these ranges the Clyde forms an wentuary, which at Dumbarton is upwards of a mile arrose, and widens in lts progress to the west, being at Grecnock more than two miles in breadth. To the west of the latter place at Cloch Point it turns abruptly to the south, and reaches the sea by the two etraits which lie between the island of Bute, the Cumbrae inlauds, and the coast of Ayrshire. The river south of Cloch Point is callod tho Frith of Clydo, a term which is frequently extendod to
that part of the sea which lies hetween the island of Arran and the coast of Ayrshire. The whole course of the Clyde, from the source of the Daer to the southern extremity of the island of Bute, is about 100 miles.
CNIDUS was a city of Caria on the south-west coast of Asia Minor; at the extremity of a peuinsula between the Sinus Ceramicus, or Gulf of Cos, and the Gulf of Syme, and facing the south part of the island of Cos, which is 10 miles west of Cape Crio, or Triopium, near which Caidus stood. (Leake's 'Asia Minor;' and Beaufort's 'Survey of the Coast of Caramania.') Cnidus is about 25 miles south of Halicarnassus. It was a Dorian colony, like Cos, Halicarnassus, and the other towns whioh formed the Dorian confederation of the Hexapolis. (Herod. i. 144.) Strabo, describing Cnidus, says, "It has two ports, one of which can be closed, and is intended for triremes; and it has a station for twenty ships. There lies in front of the city an island about seven stadia in circuit, joined by the canseway to the mainland, and making Cnidus in a manner two cities, for a large part of Cnidus is on the island which shelters hoth harhours." The island is now joined by a narrow isthmus to the mainland, and is called Cape Crio The remains of two moles which inclosed the south or larger harbour are still visible, as well as those of the city walls, and a multitude of other ruins, Leake says that "there is hardly any ruined Greek city in existence which contains specimens of Greek architecture in so many different branches. There are still to be seen remains of the city walls, of the closed ports, of several temples, Stow, artificial terraces for public and private buildings, of three theatres, one of which is 400 feet in diamcter, and of a great number of sepulchral monuments." Designs of the most important of these curious remains have been published by the Dilettanti Society. "The site of Cnidus," says Hamilton, "is covered with ruins in every direction, particularly on the north-east side of the harbour. To the south-west are the remains of an ancient quay, supported by cyclopean walls, and in some places cut out of the steep limestone rocks which rise ahruptly from the water's edge. The city is inclosed by two walls, one running east and west, the other almost north and south, and united at the summit of the hill to the north-east of the town; the former is partly cyclopean and partly pseudisodomous, but the style improves as it ascends. The northern part of the wall is very perfect, and contains two or three towers in a state of great preservation; it is also the best constructed, being probably of a later date and purely isodomous. . . The walls in the peninsula are also well preserved, containing a round tower of great beauty, at the extremity near the northern harbour." (Hamilton's 'Researches in Asia Minor.')
Strabo (xiv.) speaks of an observatory at Cnidus, and he mentions among the distinguished natives of the place, Eudoxus the mathematician, a contemporary of Plato; Ctesias, physician to Artaxerxes, who wrote ou Syrian and Persian history ; and the peripatctic Agatharchides, a friend of Julius Cæsar. He also says that Lipara, near Sicily, was a colony of Cnidus. He says nothing ahout the celebrated temple of Venus, said by some to have existed at Cnidus, hut Cicero mentions, among the numerous works of art seized by Verres, a marhle Veuus from Cnidus. ('In Verrem,' iv. 60.)

COBLENZ, a fortifed city in the Prussian Rheinland or RheinProvinz; capital of the administrative circle of Coblenz, and of the whole province, is situated in $50^{\circ} 2 l^{\prime}$ N. lat., $7^{\circ} 30^{\prime} \mathrm{E} . \operatorname{long}$.; 50 miles S.S.E. from Cologae, 300 miles S.W. from Berlin, and has a populatios of about 22,000 including the garrison. The city stands in a beautiful situation at the conflux of the Moselle and Rhine, whence the city obtained its ancient name Confluentes. The emperor Drusus erected, ou the right bank of the Moselle, a castle which subsequently came into the possession of the Fraukish monarchs. After the division of the monarchy among the sons of Lewis, in 843, Coblenz fell to the share of Lotharius, and was included in Lothringia, which province was alternately in the possession of the French and Germans till it was finally annexed to the Germanic empire by Henry I. Iu 1018 the emperor Henry II. gave this city to the Archbishop of Treves; since which period Cohlenz has remained attached to that archhishopric, though no longer among its temporalities. It was the occasional residenee of many of the Germau emperors, and it was here that Conrad of Hohenstaufen was elected emperor in 1150 .

Coblenz was anciently fortified with walls and ramparts, traces of which still exist, and this part retained, for many centuries after it had been considerably extended, the name of Old Town. The present fortifications connect the works on the left bauk of the Rhine with the citadel of Ehrenhreitstein on the right bank, and render Coblenz the hulwark of Prussia and Germauy ou the side of France. They form a fortified camp capable of containing $100,000 \mathrm{men}$, and are constructed on the united systems of Caruot and Montalembert. Tho approach from Cologne and Trèves is commauded by the fort Kaiser Franz, which is erected over the grave of Marceau and Hoche. The roads to Mayeuce and the Hunsdruck are swopt by the cannon of forts Alexander and Constautine, which also command the town and are erceted on the site of tho old Chartrcuse. The batteries of Chren breitstein and some others erected upon the neighbouring height command tho Rhine and the Nassau road.
Cohlcnz is very irregularly built, with narrow streets and old houses. In what is still denominated 'the Old Court' stood the Roman castle, which became subsequently the palaco of tho Frankish
mounaclas, tho German emperors, and the anchbishops of I'rirea In this part of the town in the chureh of St. Castor, built in the fork batween the two rivers, $1 t$ is surmountod hy fonr towers, and daten from AD. 886 . In this church the grandmons of Charlemagne met to divide the eupire betweeu them, and within ite walle in 1338 Edward 1il. of Fingland, when he Injd claim to the throne of France and songht the assistance of Gernmay, met the emperor lovis with other princen and sereral archbiahope In front of the chureb is the founLain erected hy the French in 1812, aud bearing an inseription to comuemorate the invasiou of luania. Undernenth is the addition - vn et appronvé mado ly Stu l'ricet, the liusajan cominandarat of Cobleny iu 1814. In the street facing the Mosclle bridga are the ancient town-hall and the castle of the Electorn of Treves, built iu 153S, and now converted luto a factory of japan-ware. loth of these adjoin the bridga: farther on are the Starom.Hans in which Prince Me!ternich was born, and the hospital which is under the execllent management of tho Sisters of Charity. Tho 'Clement,' or New 'own, which is rery handsome, was built by the last electoral prince, Clement Wencesinns of Metternich. In the new town is the modern palsce of the Electors, which has a long and handsome façade towards the llhine just abore the bridgo of boats: bnt the principal frout is towands the Great Square in which the military of the garrison are exercised. The French converted the building into barracks; it is now $n$ court-house. In the new town also are the casino or club-house, which is an elegant building with reading-rooms, ball-rooms, and gardens ; the former Jesuits' house, now the graminar school, unilerneath which are rast cellass. Coblenz contains sereral Roman Catholic and two Protestant churches, and one syasgogue: among the former the principal is the collegiate church of St. Castor already mentioned. The collegiato church of St. Florian, said to hare been founded by the empreas Melena, has been fitted up for Proteatant worship. The chapel of the uew palace, which is built in a style of noble simplicity and adorned with paintings, has been also fitted up for Protestant worship. The castle yard is planted with trees and lecoratod with a pyramid 60 feet iu height; the castle in the New Town has, since the French revolution, been converted into au hoapital and magaziues, dc. There are two bridges: one of stone, over the Monelle, 180 paces Jong, consisting of 14 arches, which was commenced in 1844 hy Archbishop Baldwin; the other of wood, built in 1819 across the Khine to the valley of Ehmobreitatcin, is 485 yarls in length, and rests on 33 pontoons The gymnasium, or granmar sehool, has a considerable revenue, and a fine library furmed ont of the remains of the monsastic libraries Among other instituthom in the town are a Catholic seminary, house of industry, savings bank, an orphan nylum, and various other charitable institutions. There is also a handsome theatre.
Coblemz is the residence of the governor of the Rhein-Provinz, the noat of the provincial administration, and of the Protestant cousistory of the Rhein-Provinz. It is the head-quarters of the Sth corps of the lonmeian army. It is a frse port, and carrios on a hrisk trado in colonial produce and other articlem up and down the Rhine, the Moscllc, and the Lahn. The exports consist of wine, miuernl taters, corn, iron, volcanie product (from the Fifel in the form of millstonen, ground lava to form tho Dutch subaqucous cement callod 'trass'), bark from the lifel and Ifunsdruck forests, huilding-tones, and putter's clay. The leading articles of manufacture are liuen, calico, japan-wary, furnitusc, and carriages. Many of the inhabitants are engaged in the culture of the vine. Cohlenz is said to surpass almoet every town on the Rhine in beaty of situation, and the views from the heights of Ehrenbreitstein, Pfaffendorf, and the Karthausenberg are peculiarly beautiful. Stenumers ply regularly to Cologne, Mayence, aud Treves. A railway is in course of construction froso Cologne to Wicmbaden, which passes a little to the cast of Cublcuz

The adminletrative division or circle of Coblenz has an area of 2320 equare milen, and had at the cud of 1819 a population of 502,924 , curnisting chlefy of Catholica and different sects of l'rotestanta, comprimed under the name of livangelicals, the former heing to the latter very nearly in the ratio of two to one [1hueiv-Provinz.]

There la amall village named Coulent ln the canton of Aargau iu Switzerland, aituated at the junction of the Aar and the Phiue. Some Soman antiquities have been found here, and there seems no doubt but it in alsonamol from the word 'Conflucutow' hy which the Roruans expreased the junction of two rivern.

COHOU1RG. [Caraba.]
COBUBS, the momt mouthem of the mmall Thuringian duchios, is Lounded by the territorien of \$chwarzburg, Meiningen, 1liklhurghausen, and Savaria; it lies botwoen $50^{\circ} g^{\prime}$ and $60^{\circ} 24^{\prime} \mathrm{N}$. lat., $10^{\circ}$ $30^{\prime}$ snd $11^{\circ} 15^{\prime}$ K. long., ineluding the newly acqulred territories of Königeberg and Sonneufeld. Its area is 222 nquare milem, and its popuIntion at the end of 1852 was 14,456 . It in componed of the valley of the Itz. which in borlemal on the north by the Thuringian Mountaine, and is trarermed by the rivera lta, Hodnch, Stciuach, Nasalach, Ianter, and others. The duchy of Clotha, which is inclosed hy Saxe Weimar, I'ruavis, llese Comel, and Schwarzburg, and has an area of 547 square miles, with population of 105,056 , in now united to the duchy of Cuburg ; and the wholo constitutee the duchy of siaceColvrg Gotha Cuturg belonged formerly to the counts of Henneberg; it came by marriage to the house of Saxony, wheuce it passed

Into the Ernestive liuc, and in 1 Ts5 to the branch of Sanlfeld. The prinelpality of Lichtenberg was aldod to it in 1816, and the duchy of Gotha (with the exception of some amall clintriets) ju 1820, ia consoquence of that house having hecume extinet by the death of 1)nke Frederick 1V., when it was masle over to the houso of Siuxe-CoburgSaalfeld, hy virtue of a family compact among the ducal-Saxon brasches, in cxchange for the duchy of Saalfold and several other dintricta. The principality of Lichtenberg, Whichs lies weat of the IRhine between the l'alatinate, Prusaia, and lBirkeufcld, was ceded to Prussia in 1834.

The majority of the inlahitauta are Lutherans: the Catholics enjoy the free exerciso of their religiun. The govemment of the united duchies is a constitutional monarehy; the miuistry consints of two sections, one for each duchy. The duchien have also separate judicial, mluinistratire, fuancin, aud police establishments, as well as distriet consistories for the diroction of Protestant worship. The right of citizenship is cujoyed by natives ouly, who are, all equal in the oje of the law, without regard to their religious profession. The uaited duchy of Saxo-Cohurg. Gotha is a state of the Germanic Confederation; it has one vote in the full assembly of the Diet, and is eonjunction with Saxc-Weimar, Saxe-Meiuingen, aud Saxe-Alteuburg, has the 12 th jlace in the Federative government.

The climate of Coburg is mild, especially in the fruitful valluy of the 1 tz. The agriculturnl products are timber and fuel, graiu, peas, beans, hops, regetables, \&ic. 1ron, copper, cobalt, coals (bnt none of them in large quautitien), limestone, kandstone, marble, alabaster, gypsum, porcelain earth, \&c, are found berc. The inhabitants are chiefly occupied in the manufacture of linea, woollens, and cotton, wooden toys, and the rearing of cattle. Tho articles of export are fatted cattle and grain; besides butter, leather, wood, wool, linen, and other manufactured goods.

Coburg, the capital of the duchy, is situated in a picturesque valley on the banks of the 147 , in $50^{\circ} 15^{\prime} \mathrm{N}$. lat., $10^{\circ} 50^{\prime} \mathrm{L}$. long., and hus about 10,000 iuhabitants. It is sumounded by walls, and with its long suhurbs is divided into nino quarters, which have two market. places. The town is far from being bandsome; the houses are small, the streets rongh, and iu many places overgrown with grass. The ducal palace of Ehrenburg is a very clegant residence, containing a fine banqucting room called the 'Hall of Giauts,' from the colosand enryatides which surrouud its walls; a library of 20,000 volnues; nud a collectiou of natural bistory, minerals, coins, and prints. I'he governmeut buildings are constructed iu the ltalian style. Amoug the other edifices may be named the towu-hall; five churches, of which St. Maurice's contaius the ducal ranlt and some good mounments; the arsenal, orphan asylum, a new theatre, a casing, threo hospitals, aud a workhousc. Thu gymnasium, founded in 1605 by Duke John Casimir, hence called 'Casimirianuu,' bas all the rights nnd privileges of a univeraity. There are besides two publie libraries, a collection of natural history, as observatory, with a normal school attached to it; a society of arta nud scieuces, \&ic. The uanufactures consist of woollens, cottons, linen, furniture, marquetry, buekles, gold and silver articles, chocolate, tools, \&c. T'bero aro also several dyo-houses, and a considerablo trade in wool, cloth, cottons, horse-hair, flour, Beeds, \&c. There are several pleasuregrounds round the town, as well as many delightful rides and walks-anong other places, to the ducal comitry seat, loscnau, which was au old lmronisl castle, and has been reatored in the gothic style. Near the townare innrble-polishing mills, and iron aud copper works. On a lofty hill in the vicinity, which commands a benutiful prospect, is the ancient cantle of Coburg, surrounded with a strong wall aud fire bastions. It contains many interesting remains of antiquity, arme, Armour, dc. It was for some time the reaidence of Luther; tho bedstend on which he slepth, and the pulpit from which he preached in the old chapel of the eastle are still shown. The castle is now partly converted into a yrison and house of correction. There are also, in the neighbourhood of Cohurg, the picturenque castles of Callenberg and Lauterberg; the lattor is iu ruins.

The other places worth naming in the duchy are Rodach, a town on the river of the eame name, with a ducal mansion, a church, rud about 1800 luhabitants; Somnenfeld, a market-town of nbout 000 inhabitauta; Kibniguberg on the Naslach, with a grammar school, and about 800 inhahitants ; and Neusdodf, at the foot of Monnt Mupp, with a ducal seat, about 2000 inhabitants, a tobacco-mauufuctory; hop-grounile, and some trade. [Gorma.]

CUCH1N, $n$ town in llindustan, on the western const of the peninsula, in $9^{\circ} 61^{\prime}$ N. lat., $70^{\circ} 18^{\prime} \mathrm{F}$. long., is the place where the first Enropear nettlement was formed is the Fiset Indics. In 1503 the Portugueno flech, under the conduct of Alfonso and Francisco Alhuquerque, obtained from the sovereign of Cochin perminsion to erect a fortres there in recompenso for the assistance they had given him in his ware with the Zamorin of Calicut. The eouutry in the naighbourhool being very fertile, the Portugucse carried ou an advantageous trade until the town was takon from them by the Dutch in 1003. The trade coutinued to flourish under the Dutch government. In the heginning of the war between Holland and England, in 1795, Cochin was takicn posemion of by the liritish, to whom it was finally ceded in 1S14. Since then itn trade has considerably dimiuished. The population is about 30,000 .

Cochin is the best port in the presidency of Madras, and the only port for ship-building, and there are no places tbroughout the whele extent of the western coast which afford shelter to large vessels except Bombay and Cochin. In this part of Hindustan is found a rery remarkable system of inland narigation called the Backwater. It is a kind of lake, or lagoon, which extends from Chowgaut ( $10^{\circ} 40^{\prime}$ ) on the north to near Trivandrum, the capital of Travancore ( $8^{\circ} 30^{\prime}$ ) on the south, a distance of 170 or 180 miles. An artificial continuation northward of this inland water-system is navigable for boats during the rains, from Chowgaut to Cotah, 16 miles south of Tellicherry, a farther distance of about 90 miles. The Backwater runs nearly parallel to the sca, sometimes at the distance of a few hundred yards, at others of 4 or 5 miles. Its breadth varien from 12 and 14 miles to 200 yards; its depth from many fathoms to a few feet. This Backwater receives the rivers which descend from the mountains that lie to the eastward. There are six channels of communication between the Dack water and the sea, but only one is narigable for ships, being that on the southern bank on which the town of Cochin is built. There is a bar at its mouth, but the depth of water on it is 17 or 18 feet at high-water of spring-tides. The anchorage without is good, and the gales during the south-west monsoon rarely blow with such violence as is experienced in tbis season in the harbour of Bombay. Within the bar the Backwater expands into a fine æestuary, 3, 4, and 6 miles wide, at lcast 12 miles long, and decp enough for the largest vessela. The narrow strip of land between the Backwater and the ses is sandy, but its lower tracts are thickly overgrowu with cocoa-nut palms, which yield a great quantity of fruit. The country east of the Backwater is low and level along its banks, and produces rich crops of rice. Farther inland it rises into low hills, partly covered with high forcst-trees and partly with grass; bnt the valleys between them are exceedingly fruitfnl. Cotton, hemp, oils, pepper, ginger, turmeric, cardamoms, betel-nut, copra (cocoa-nirt kernels cut into slices and dried for exportation), ivory, gold-dust, iron, and drugs aro extensively produced. Indigo grows spontaneously, and the cane, coffee, clove, nutmegs, pimento, and raw-silk succeed well. The hills are covered with forests, the timber cut from which is floated down the various small rivers which fall into the Backwater, and is theu casily conveyed to Cochin. Much timber is sent to Bombay, but hardly any vessels are built at Cochin for European merchants. Tbe Imaum of Muskat however has had nost of his vessels built there. A few country vessels are annually built. The trade of this place is still considerable. Luropeans rarely visit the port; but an active commerce is carried on between it and Bombay iu country vessels. The tradewith Arabia and the countries surrounding the Persian Gulf is more important. As these countries have no foresta, they receive from Cochin all the timber required for repairing their different craft. There is also some commerce carricd on with Singapore. In the vicinity of Cochin a nomber of Catholic and Indian Christians are found, and also many Jews. Cochin is the seat of a Iloman Catholic bishop, in whose diocese Ceylon is included. There are also Protestant missionary establishınents at Cochin, and several Enghish schools.

COCHIN-CHINA, called alse ANAM, is in that part of Eastern Asia which is nsually known as ludia witbout the Ganges, of wbich it forms the castern portion. It extends from $8^{\circ} 40^{\prime}$ to about $23^{\circ} \mathrm{N}$. lat., and from $102^{\circ}$ to $109^{\circ} 20^{\prime} \mathrm{E}$. long. Its length from north to south is about 980 miles, bnt in width it varies from 100 to 300 miles. Crawfurd assigns to it na area of 98,000 square miles; but Berghaus makes ita surfice about 140,000 square miles. On the W. it borders on the kingdom of Sinm, or Shan; on the N.W. on the unknown regions of Laus, or Lactho ; aud on the N. on the Chinese provinces of Yun-nan, Quang.si, and Quang-tun (Canton). To tbe east of it extends the sca, called by the Ctinese Nan-hai, or tbe Southern Sea, which here forms an extensive gnlf between the northers province of CochinChina and the island of Mai-nan, called the Gulf of Tonkin. To the south of Cochin-China extends the southern part of the China Sea. The northern part of the cosst is rocky, and is fringed by a great number of islands. Among these are a group of small reefs called the Triangles, and the dangerons Macclesfield shoals. Vessels running aground here have to dread net only the heavy swell of the sea, but also the fierce attacks of the marauding Cochin-Chinese, who sail up and down looking out for snch windfalls, falling upon and plundering the wreck without mercy. At $21^{\circ} \mathrm{N}$. lat., or near tbe mouth of the river Song-ca, and fartber to the south the sheres are low, aud partly sandy and swampy. For ncarly 400 milcs along this coast extend the Paracel shoals, which may be described as au overflewed continent, lying just beneath tbe surface of the water. Betweeu the shoals and the coast is left a narrow navigable passage, which is constantly uscd by vessels sailing in these seas. Near $17^{\circ} \mathrm{N}$. lat. commence a series of capes several hundred fect in elevation, between which large bays run deep into the land. This gencral character continucs to Cape James $\left\langle 10^{\circ} 17^{\prime}\right.$ N. lat.) Tbe const is lined with numerous small rocky islands and cliffs, but it contains safe and cxcellent hurbours. The remainder of the const from Cape James to the bonndary of Siam is low and mostly swampy, being formed by the alluvial dcposits of the river Maekhaun, or Cambojn.

Cape James is the southern extremity of an extensive mountain range, which as far as the parallel of Cape Padaran ( $11^{\circ} 20^{\prime}$ N. lat.) suas northeenst and tben about due uorth to $14^{\circ} \mathrm{N}$. lat., whence it
continues with a north-north-western ceurse to $16^{\circ} \mathrm{N}$. lat. Farther north the range is little known. It occupies perhaps a hundred miles in widtb, and seems to consist of a number of parallel ridges. The mountains in the range are of considerable height. A road, described as very difficult and dangerous, leads through the meuntainous district, forming a communication between the towns of Sai-gun and Phu-yen.

Several short offsets which branch off towards the sea cover the greatest part of the maritime districts between $10^{\circ} 20^{\prime}$ and $17^{\circ} \mathrm{N}$. lat.; some of them are 4000 feet above the sea. The range which, in about $17^{\circ} 30^{\prime}$, ferms the boundary between Cochin-China and Ton-kin contains a depression, furming a mountain pass, about 6 miles in width, which is shut in by a wall, traversed by an artificial road, which leads from Hue to Kncho. The lengtb of this road is estimated at 400 or 500 miles.
The boundary between Cochin-China and the Chinese province of Quang-si is partly formed by the river Ngaunan-kiang, and partly by a mountain range, which seems to be a lateral range of the $\mathbf{Y u}$-ling, a mountain system of Southern China.

The northern part of Cochin-China, which formerly constituted the separate kingdem of Tonkin, comprchends an extensive plain, surrounded, except where it borders on the Gulf of Tonkiu (between $19^{\circ} 30^{\prime}$ and $21^{\circ} \mathrm{N}$. lat.), by mountains, which increase in height as they recede from the sea. This plain appears to extend above 100 miles in length and width. Being very low, a great portion of it is annually inundated by the river Song-ca, which fertilises the soil, so that two or three crops of rice are annually cut. It is by far the most fertile and populous part of the country. The valleys which run upfar into the mountains are equally fertile: the greatest part of them may casily be irrigated, and the mountains themselves aro rich in metals. The Song-ca, or Saug-coy, the principal river of this country, rises in the mountain regiun of Yun-nau in China, in two branches-the Ho-ti-kiang and Li-sien-kiang-which run nearly parallel in a south-eastern direction till they enter Cochin-China, where they unite, and take the name of Seng-ca (Great River). Before this river enters the sea it divides into numerous branches, two of which arc navigable. The whole course of the river is estimated to be about 400 miles in length.
The country east of the mountain range, between $19^{\circ} 30^{\prime}$ and $15^{\circ}$ N. lat., consists of au alteruation of small plains and intervening mountain ridges. The elevations are in some places covcred with foreats. Cultivation extends a considerable height up the sides of many of the mountains. Most of the plains are irrigated and well cultivated. The rivers which traverse them have a short course, but are generally narigable for some milcs. In some places the plains are traversed by cauals.
The country which extends frem Cape Avarella to tbe neighbourhoud of Cape James is nountainous. The rocky masses approach so olose to the sca as to leave a lcvel tract along the beach only in a few places. In its numerous indentations a few narrow vallcys of small extent occasionally appear, mostly inhabited by fishermen. The interior of this part of the country is said to coutain much cultivated ground, and to have a numerous pepulation.

Tbat portion of Cochin-China which lies to the west of the mountaiu range constituted till lately the principal part of the independent kingdom of Camboja, or Cambedia The southern pertion, whirs is imperfectly known, consists, except near the boundary of Siam, of an immense plain, which appears to be formed of the alluvium of the great river by which it is traversed. The shores and the adjacent country, as far as the tide ascends, are covered with trees and bushes. About 30 miles from the sea tbe ground begins to be cultivated and is exceedingly fertile. Iu the interior there are it is said numerous fresh-water lakes and swamps.

Two large rivers traverse this plain. The Sai-gon, or Saung, which runs through its eastern porrion, has been navigated by European vessels as far up as tho town of Sai-gon, but farther nerthward its course is not known. Towards its mouth it sends off two or more branches, which join the eastern arm of the great river of Camboja. This river, called by the Birmaus Maekhaun, is said to send off in the upper part of its course various latemal brancles which fertilise the country through which they flow, and then reunite with the river. About 150 miles from its nouth is the ancient capital of Cauboja, Pontaipret, to which European vessels ascended in the 17 th century, but this navigation has been discoutinued. Sone distance below this town the river sends off to the west aud seuth-west numerous arms, which inclose and traverse an extensive delta, that stretches out into the sea with an acute angle. Most of these arms are navigable for large river-barges during the rainy season. 'Io make the navigation continuous through the whele year a canal was made from it in 1820 , whicb joins the principal river somo miles south of lanompeng, the modern capital of Camboja. The three principal mouths of the Maekhaun lie on the eastern side of the delta, and are all navigable for vessels of cousidcrable burden up to the capital of tbe country. The river Maekhaun is supposed to lave its source in the Chinese province of Yun-nan ; and it has been estimatcd that its entire course is about 1500 miles. It reaches Camboja through the Laos territory.
The climate of the plain of Camboja resemblcs that of Bengal. The rainy seasons last froin the end of May or the beginning of June to

September' The mountains interrupt the clouds brought ly the south-weat monsoon, and accordingly the dry season proraile in that pariol: the uortheast monsoon hringe min. The wet senson seta in at the end of October and coutinues until March. In the greatest summer-heat the thermometer never rises above $103^{\circ}$; in the greatest cold it never falls bolow $57^{\circ}$. In the countries on the shores of the Bay of Tonkin the south-west monsoon hrings the rain, and the wot meason begins iu May and terminntes in Angust. Tho heat is occanionally very excemive, and the cold in December, January, and February vary harp: the weather is oftell rendered unpleasant by heary fogs, es in Lower Bengal Typhons and hurrioanes rage with the utmont fury in the Gulf of Tonkin and on the adjacent coasts. They are commonly acoompanied with heavy and incessant raina. The country generally seems to have a very healthy climate for Fumpeans es well as for natives.
The iron mines of Tonkin are about six days' journey from Cachao, and the gold and silver mines about twelve daya jouracy, both in a western direction. Tho mines are worked by Chinese. CochinChina is suid to have tin, which howerer is not worked. Rice, the principal artiele of food, is very extensively cultivated in the plains of Tonkin mad Camboja. Indian corn, earth nuts (Arachis hypogua), and the Concoleulus batatas, are also cultivated. The sugar-cano is extensively coltivated on the coast south of $16^{\circ}$. The true cinnamon (Laurus Cinnamomwm) is probably indigenous; and though its bark in mueh thicker than that of Ceylon, it is preferrod by the Chinesa.
Cotton in cultivated overywhere, and exported to China. Silk is in Tonkin and Cochin-China a general object of attention with the peasantry. Tee, of a coarse kind, grown in the neighbourhood of the capital llué, is called llué tea.
The population of Cochin-China has been variously estimated at from sbout 5 zillions to 22 millions, but no reliable statement has been giren on this point.
The natives call the eastern part of their country Anam. They belong to the same race an the Chinese and Mongols. Their language is znonosyllabic, and the signification of the words is, in a great measure, regulated by their accentuation. But the Anamese language is totally different from the Chinese language. The Chinese charactera are only used in printing; for common purposes they use others. The inhabitants of Camboja, who call theraselves Kammer, constitnte a different nation; they extend on both sides of the river Maekhaun to $15^{\circ} \mathrm{N}$. let In mannere, laws, religion, and state of eivilieation, they bear a nearer resemblance to the Siamese than to the inhabitants of Cochin.China Proper.

On the monntain range live two independent nations. The Loye or Loi cetend from Cape James at least an far as $15^{\circ} \mathrm{N}$. lati. They once extended to the coast, and oceupied all Chinmpa, or Tsiompa (the distriet between Cape Avarella and Capo James), but laving been expelled from it, they retired into the mountain fastnesses. The Loyes are large muscular and well-formed tribe, with reddish complexions, slightly flattened noses, and long black hair. A shirt and trowsers with a kind of petticoat, occasionally faced with silk, form their costume. Their language differs essontially both from the Anamese and Cambojan. To the uorth of $15^{\circ} \mathrm{N}$. lat the interior distriets of the monntain range are ocenpied by another nation, called Hoi, which exteads over a tract of conntry lying between Laos and Cochin-China, about 120 miles in length, and from 20 to 30 mlles in breadth. The inluabitants of this district are said to be uncivilined but inoffenmive. The government of their king, who holds his petty court at Feneri, is very oppressive, and some crime is always snre to bo brought home to whoover is guilty of possessing any superior dogree of riehea. The people generally am in a state of semi-slavery. Their only covering la a cloth wrapped around their middle. The chief productionn of this part of the country ano a littlo cotton, indigo, aud inferior silk. An extensive fishery is carried on along the const.
The gorernment of Cochln-China in described as a hereditary mill.tary icopotima. Its administrative anthority is in the hands of six mandarina, and a mandarin of the first or military class is placed over ench provisee. The standling armay consists of about $40,000 \mathrm{men}$, bealdee the royal guardh, and 800 elephanta for war service. The naval force Ineludea about 200 gun loats, 100 galleyar and 500 venscls of noulter inize. The polltical division coincides nearly with tho hintorical divinion of the conntry, Anam, or the eastern portion, la divided lnto two provinceo-Tonkin the northern, and Coclin-China the noutbern. The bonndary-line between them, nt about $19^{\circ} \mathrm{N}$. Inth, is nearly the anme llse whleh separalod the ancient klngdom of Tonklu from Cochln. Chtan. That portion of Camboja whleh has beon unitod to Cochla-Chinn oummitutey a province by ltwelf.

1. Tonkh or Tonquin comprehends the znost northern portion of Anam, or the plain whlch extendm on both sifles of the river Song-en, and in boundel by the mountain rangen withln on all nleces. It produces aml exporti rice, cotton, andl nilk to a large estent its mountains aliound lo gold, nilver, and Iron. The eapital, Cachao, or kuicheo, callel by the nativa alno liak than, fo a largo town with 160,000 inhalifingte, situmted on tho bank of the Song-cr, about 80 or 90 mile from the sea. Its commeroe, emprocially wlth Chinh, ls conniderable. Hean is on the mane river, about 18 mile lower down; the largeat junkn come up to this place.
2. Cochin-Chins Proper coroprehend! the const from about $10^{\circ}$
N. Int, to the neighbourhoorl of Cape James. The natives distinguish it by the anme of Doug-troing or J)nag-trong (that is, the interlor or central country); and they call Toukin Dang-ngoai (the external eonntry). Its prineipsl producta aro sugar, silk, cimanmon, candamoms, lepper, sc. The harboure along this coast are numeroun, anfe, and spacious ; there le a considerahle number of amall towne. The capital is / M w, the metropolis of the whole country, a populous town with extensivo fortifoations, ercoted abont 85 yearm ago nNor Liuropeen modela. The works are about five miles in circumference. The town of Huv is intersected with canaln, which beaides affording facilities for conveyiug merchandise, are used by tho inhabitants for bathing in. Every family keeps a covered boat, which is usually adorned with a carred and gilded hoad. The canale when trareraed by these boats, whieh are painted with rivid colours, prement an animated scene. The best and most frequeuted harbour in Touran or llan; the housen in this town have a neat appearance, and considerable traflie is carrled on. The spacious bay contains good anehorago for ahipm. The lills around the town ano low and covered with bushes, interspersed with little rude altars, erected by the fishermen who frequeut the bay, on which to offer rice or hurn odoriferoun woods as a propitiation or thanksgiving to their deities. The houses iu the town are low, built chicfiy with bamboo, and thatched with rice-ntraw or rushes. Both meu and women wear long-sleeved gowns reaching to the feet. They wear caps and turbans but no shoes. The feet, and particularly the toes, are much used in working at boat-building and other occupations. To the wouth of Touran is the town of Paifo, with from 5000 to 6000 iuhahitants, mostly Chineso, who carry on an active trade with China. The large towns of Qui-nhon, Phu-jen, and Nhatrang aro not visited by Enropeana.
3. Camboja extends over nearly the whole of the ancientkingdom of Camboja, one prorince of it, Butabang, haring been unitod with Siam about 1809. On this occasion one of the claimants of the throne of Camboja applied to the Coehin-Chinese for help against the Siamese ; but hefore the armiea of Siam and Cochin-China met in battle it was agreed to divide the country into two portions. The Siarnese retained Batabang proviuce, and the remaiuder was united to Cochin-China or Anam. The Chinese name of this country is Kan-phu-tche, from whielh Camboja is derived. As far as this country is known, it in a lovel, formed by tho alluvia of its large rivers, and very fertilo and well cultivated. Its prineipal commercial productions are rice, arecanuts, betel, spices, gamboge, sandal-wood, sapan-wood, and ivory. There are several inon mines. Elephants and buffuloes are numerons. Deer abound in the forents, and horned cattle in the plains. There are large numbers of hoga, wild and tame; goats, haros, cranes, and all kinds of poultry. Sai-gun, situated on the Sai-gun River, nhout 50 miles from ita mouth, may be cousidered as its eapital, being the seat of the provincial governnient. Sai-gum consivts of oue street rumuing along the hrow of a hill to preserve it from the annual inundations of the river. Sai-guu is situated uear the eite of the metropolis of the ancient Thinee. It is said that extensive marble ruins have been found to the north-west of the modern city. Two Arabian travellere, who visited Caunboja in the 9 th century, report that the finest muslins in the world were manufactured there, and that the people worc garments woven so fine that they might bo drawn throngh a moderate sired ring. Pontaipret, or Camboja, on the Maekhaun, was anciently the capital, and a considerable town when visited by the Dutel in the 17 th century. Panompeng, or Calompe, was at a later period the capital, and is still the resillence of the nominal klug of Camboja; it iss in a populous and well-cultivnted conntry. Kang-kao, or Kiang-kong, about 2 miles from the mouth of the Kang-kao River, whieh forms a shallow port, has some commerce with Singapore and the countries inhabited by the Malays. A large part of its exports to Singaporo cousists of inhta.
The Cochin-Chinese have made some progress in most of the arts of civilised life. Barrow says that they excel in naval arehitecture, and that their row-galleys for plensure are remarkably fine vossele. They manufacture lackerware, coarso cotton and silk cloth, articles of filigree work, earthenware, and vessels of cast-lron. Firo-aruis aro largely imported from Europo.

Since the establishment of Singapore an intercourse has been catablished with that colony, carried on ohicfly by Chinese merelauts. The exports to Singapore $\ln 1814$ amounted to 170,606 dollars; the imports from Singapore were 220,418 dollars. The commerce with China ls la a great uncasure limited to the harbours of Cachno, Faifo, and Sal-gun, in Cochin-Chine, and to Canton, Amoy, Fu-toheou-foo, and Ning po, in China. Numerous junke are employed in this traflic. They expurt from Cochlu-Chins riee, cotton, ailk, eagle-wood, and apices ; they import tea, the finer kinds of cotton and silk goods, and chinn; aloo oplum, and linglish broadeloth. Fron siugapore ano imported lon, Are-nrna, opium, catochu, and terta japonica Some commercial intercourse ls also maintalned between Faifo aud Sai-gun and Bang-kok, the capital of Sinm. The junks engaged in this trade convey to llang-kolk silk, workell nud raw, mattings for sails, \&a, and tako in return iron, lobnceo, opiunt, and mome liuropenn goods. Among the artictes exported frous Cochln-Chius are edible birds'onesta and pearla. The king, it in anid, monopolises the legal trade, whlch in carricd on by means of sevcral large vonmels, nailing between CochinChina and Britinh Indis, Batavia, add Caston.

## COCKBURN ISLAND. [North Polar Countries.]

## COCKBURNSPATH. [BERWICKSHIRE.]

COCKENZIE. [HADDINGTONsHIRE.]
COCKERMOUTH, Cumberland, a parliamentary borough, a market-town, and the seat of a Poor-Law Union, in the parish of Brigham, ward of Allerdale above Derwent, and western division of the county; stands at the point of confluence of the rivers Cocker and Derwent, in $54^{\circ} 40^{\prime}$ N. lat., $3^{\circ} 20^{\prime} \mathrm{W}$. long., 25 miles S.W. from Carlisle by road. The population of the borough in 1851 was 7275. The borough sends two members to the Imperial Parliament. The living is a perpetual curacy in the archdeaconry of Richmond and diocese of Chester: this archdeaconry is to be hereafter transferred to the diocese of Carlisle. Cockermouth Poor-Law Union contains 47 parishes and townships, with an area of 106,756 acres, and a population in 1851 of 38,142 .

The name of the town is derived from its position on the river Cocker, at the point of its confluence with the Derwent. The Cocker flows from Buttermere-water, and after passing through Crnmmockwater, divides the town of Cockermouth into two parts which comraunicate by a stone bridge. The Derwent, after it has received the Cocker, is also crosscd by a handsomo bridge, erected in 1822, at a cost of 3000 . The ruins of the castle (which was formerly the baronial seat of the lords of Allerdale, and is now the property of the liarl of Egremont), stand on the brow of a bold eminence near the confluence of the rivers. The castle was occupied by the parliamentary army during the civil war in 1648 , and sustained a month's siege by the royalists. It is now habitable only in a small part. To the rorth of the town is a tumulus called Foot Hill, and to the west the rampart and ditch of a Roman camp. The town is pleasantly situated in an agricultural district, and has a promenade a mile in length on the banks of the Derwent, but the streets in some parts are narrow and confined. The houses are chiefly built of stone and roofed with slate; considerable improvements have been recently iutroduced. Tho town is well supplied with water, aud is lighted with gas.
Besides the episcopal church, there are places of worship for Wesleyan and Primitive Mcthodists, Independents, Quakers, and Roman Catholics. The Freo school, founded in 1676, has an income from endowment of about 121. a year, and had 41 scholars in 1851. There are a National school and six other public schools, a parochial public library, a subscription library, a savinge bank, and a dispensary. Tho court-house, or moot-hall, built about 1830, is the chief building for the transaction of public busiuess. A county court is held at Cockermouth, and quarter sessions are alternately held here and at Carlisle Cotton, linen, woollen fabrics, hats, hosiery, and paper aro manufactured; tanning is carried on. In the neighbourhood are extensive coal mines. A zarket is held on Mondays for corn and cattle; and on Saturdays for provisions. From May to Midsummer cattlc shows are held every alternato Wednesday. Fairs for horses and cattlo aro held on February 18th, and October 10 th ; and for hiring servants ou Whit-Monday and the Mondsy nest Martinmas Day. Cockermouth is connected by a railway of about 8 miles with Workington, whence other railways extend north to Carlisle and south to Furness.
(Lysons, Magna Britannia; Communication from Cockermouih.)
COEL. [AlLIGHUR.]
COETHEN. [ANHALT; KOETHEN.]
COGGESHALL, Essex, sometimes called Great Coggcshall, a market-town situated on the lcft bank of the river Blackwater, in the parish of Coggeshall and Withsm division of Lexden hundred, in $51^{\circ} 52^{\prime}$ N. lat., $0^{\circ} 41 \mathrm{~F}$. long., distant 15 miles N.E. by N. from Chelmsford, and 44 miles N.E. from London by roal. Kelvedon statlon of the Eastern Counties railway, which is 3 miles from Coggeshall, is $41 \%$ miles from London. The population of the town was 8484 in 1851 . The living is a vicarage in the archdeaconry of Colchester and diocese of Rochester.

By some antiquaries Coggeshall has been supposed to occupy tho site of the Roman station Canonium. An abbey for Cistercian monks was founded here $\ln 1142$ by King Stephen and his queen Maud. At one period the manufacture of woollen cloth was carried on in Coggeahall, and a white baize, called 'Coggeshall whites,' was in considerable repute. The town is situated partly on low ground adjoining the river, and partly on a cluster of hills rising from it. Many of the louses are well built, but the streets are rather irregularly laid out. The town is lighted with gis. The parisll church, dedicated to St. Peter, a spacious building in the perpendicular stylc, erected about 1400, has been recently in part repaired; at the west end is a square tower. The Independents, Baptists, Wesleyan Methodists, aud Quakers have places of worship. There are in Coggeshall an Endowed school founderl by Sir Rovert Hitcham, and counceted with Pembroke College, Cambridge : National, British, and Infant schools, a mechanics lnstitutc, and three almshousea. The silk manufacture is now tho principal manufacture of the place; the great factory is for silkthrowing; fine volvet is extensively manufactured; satins, French patent silk plush for hate, and patent gelatine are made, and also some worsted at one of tho old clothing mills. Some of tho females find employment in tambouring lace. Irou-founding, malting, and brewing are carrical on. A considcrablo quantity of gardeu-sceds is raised here for malc. Tho market is on Thuraday for corn and
provisions; occasionally live stock are sold. A small part of the abbey is still remaining in the hamlet of Little Coggeshall.
(Morant, Essex; Wright, Essex; Communication from Coggeshall.) COIMBATORE, a province situated in the rcgion of the Eastern Ghaut Mountains, in the south of India, about $11^{\circ} \mathrm{N} . \operatorname{lat}$; and bounded N. by Mysore, W. by Malabar, S. by Dindigul, and E. by Salem and Trichinopoli. The length of the province from north to south is 50 miles, and its breadth from east to west about 45 miles. The surface of the country varies exceedingly. Towards the south the level is not more than 400 or 500 feet above the sea, but it gradually rises towards the north, and even in what is considered the low country the level rises to 900 feet above the sea. About $11^{\circ} 35^{\prime}$ N. lat., the mountrins called the Eastern Ghauts occur ; the Kumbetarine Hill, in $11^{\circ} 35^{\prime} \mathrm{N}$. lat., $77^{\circ} 20^{\prime} \mathrm{E}$. loug., is reckoned to be 5548 feet above the level of the sea. Some summits of the Nilgherry Mountains, which are in the north-west part of the provincc, and unite the Eastern and Western Ghauts, are still higher; one of the peaks, called Moorchoorti Bet, is 8800 feet above the sea. The soil is generally dry, but in the south there is some marshy ground. The climate is considered healthy, and in particular the Nilgherry Mountains are resorted to by European residents for the recovery of their health. In these hills the mean tempcrature in April and May is $65^{\circ}$ Fahrenheit. During the cold season the thermometer sometimes sinks to freezing point, when the air is peculiarly clear and elastic. Coimbatore is watered by the rivers Bhavaui, Amaravati, and Cavery, the first and second of which fall into the Cavery; the Bhavani, at Bhavani-Kudal, 58 milcs N.E. from the town of Coimbatore, in $11^{\circ} 26^{\prime}$ N. lat., $77^{\circ} 44^{\prime}$ E. long., and tho Amaravati about 10 miles below the town of Caroor. These rivers are filled by both mousoons; by the south-west in June, July, and August, and by the north-cast in October, November, and December. During the last 40 years an improved system of administration has tended to develop the productive capabilities of the soil. In 1814-15 the government assessment was considered to be equal to one-third of the gross produce of the soil, and in 1825-26 it did not exceed one-fifth; the price of land during that time was doubled. The population of the province is about 800,000 . The principal places in the province, In addition to the capital Coimbatore, are Animalaya, Aravacourchy, Bharani-Kudal, Caroor, Daraporan, Erroad, Palachy, Satimangalum, and Sivaua Samudra. Animalaya is on the west side of the small river Alima, in $10^{\circ} 31^{\prime} \mathrm{N}$. lat., $77^{\circ} 1^{\prime}$ E. long. This town is the common thoroughfare between Malabar and the southern part of the Carnatic. A fort stands at a short dis. tance west of the town, and had fallen into decay, when, to provide materials for repairing it, Tippoo pulled down five large temples. The forests in tho neighbourbood contaill abundance of fine timber. Aravacourchy, the seat of Arava, so called from tho name of the founder, is situated in $10^{\circ} 41^{\prime}$ N. lnt., $77^{\circ} 54^{\prime} \mathrm{E}$. long. The town was dcatroyed towards the end of Hyder's reign by an English force under Coloncl Laing, but it has since becn rebuilt. The inhabitants mostly speak the Tamul language. Bhavani-Kiulal, at the confluence of the Bhavani and Cavery rivers, contains two celebrated temples, one dedicated to Vishnu, and the other to Siva; and is considered a place of great annctity by the Hindoos. Caroor, on tho north side of tho Amaravati River, in $10^{\circ} 53^{\prime} \mathrm{N}$. lat., $78^{\circ} 4^{\prime} \mathrm{E}$. long., a town of some trade, containing 1000 houses, was formerly a place of great commercial activity. Daraporam, or more properly Dharmapuram, is a populous town situated in an open country near the Amaravati, in $10^{\circ} 37^{\prime}$ N. lat., $77^{\circ} 35^{\prime}$ E. long. The streets are wide aud regularly laid out, and many of the houscs are spacious. Erroad was a very considerable place in Hyder's reign; during the invasiou of the country by the English under General Meadows, the town was in a great measure destroyed. It has sinco been made a military statiou. Palachy is a small but thriving town, situated in a well-cultivated country, in $10^{\circ} 39^{\prime}$ N. lat., $77^{\circ} 6^{\prime}$ E. long. Some coins of Augustus and Tiberius have been dug up in the vicinity. Satimangalum, in $11^{\circ} 31^{\prime}$ N. lat., $77^{\circ} 16^{\prime}$ E. long., contains a large fort, and is built in a straggling manner about the plain. There is here a spacious temple dedicated to Vishnu. This place is considered unhealthy, and the air is usually intensely bot. The island of Sivana Samudra, formed by the Cavery, is the site of the ancient Hindoo city of Gunga Raja; two cataracts are here formed by the Cavery, one ou its northern and the other on its southern arm. The southern gate of the wall by which the ancient city of Gunga Raja was surrounded may still bo secn, and a street about a milo in length may be traced. There are besides visible the ruins of several Hindoo temples, $\ln$ one of which is a colossal statue of Vishnu, but tho whole place is choked by jungle, and occupied by banyan and other forcst-trees. A considerable quantity of dry grain is raised in Coimbatore province ; cotton and sugar aro likewise cultivated, and weaving is carried on extensively. Tobacco, ealt, nitre, and live stock are among tho products of the country. The provinco was acquired by the Jritish from tho Raja of Mysore in 1799.
(Rennell, Memoir of a Map of Ilindustan; Buchanan, Journeys through Mysore, Canara, and Malabar; Parliamentary Papers.)
COIMBATO1RE, the capital of tho province, in $10^{\circ} 52^{\prime} \mathrm{N}$. lat., $77^{\circ} 5^{\prime}$ E. long., is a well-built town, containing about 2000 houses, being littlo more than half the number which it contained under tho goverument of Hyder Ali. 11 is son Tippoo sometimes resided at Coimbatore, where he built a mosquc. About two miles from tho
town, at a place called Peruru, is a celebrated templo, dedicated to Iswarn, and called Mail (high) Chitumbra, to distinguiah it from another Chitumbra near Pondicherry. The ldol is said to have placed itself here at a very remoto period, and sbout 3000 years ago the temple was built over lt by a raja of Madura. Thls building exhibits a profusion of Ilindoo omaments, but is deatituto of elegance, and the figures are not only rude but many of them indecent also. This temple was plundered of ite gold and jowela by Tippoo, who excepted it however from the general onder which he isened for tho destruction of all idolatrous buildings ; and although its splendour was then destroyed, the l3rabminical worahip has always beeu continued. The town was taken by the Engliah $\ln 1783$, bnt was restored at the peace in the following year. It was agnin taken by tho English in 1790, and rolakea by Tippoo's general, but was transferred with the province to the Britihh government in 1799, and hns since remnined in their possesaion. The travelling distance from Seringapatam is 122 milex, and from Madras 306 miles.
(Rennell, Memoir: Mill, Ifizory of Brilisk India; Buchanan, Jowrneys (hrowgh Myeore, dec)

COIMBRA, aity of Portugal, capital of the province of Beira, is nituated on the slope of a hill near the north bank of the Jondego, in $40^{\circ} 12^{\prime} \mathrm{N}$. lat., $8^{\circ} 25^{\prime} \mathrm{W}$. long., 115 miles N.N.E. from Lisbon. It is the see of a bishop, suffragan of the archbishop of Braga. The population is about 16,000 .

A substantial stono bridgo here croases the Mondego, a river which in summer is very shallow, but iu wiuter and in raing seasous is wide and rapid, so that it is only occasionally navigable for small craft and bonta. The harbour for Coimlorn is Figuira, 24 miles distant, st the mouth of the Mondego.

The city was formerly strongly fortifiod, but now is merely surrounded by old walle flauked by a few towers. The interior ls gloomy. The houses are moatly old, and the streots narrow, ill-paved, and dirty. There are seroral squares, with fountain well supplied with water, which is condncted to the city by an ancient aqneduct supported on twonty arches. Tho principal public buildings are-the cathedral, 8 parish churches, the University of Coimbra, a large liospital, n poorhouse, the convent of Santa Cruz, now occupied as a barracks, and other conrentual buildings in and around the city. The University of Coimbra in the onlyone in Portugal. It occupien the palace which formerly belonged to tho kings of Portugal. It was originally founded at Lisbon in 1290, was transferred to Coimbra in IS03, removed again to Linbon, and finally transferred to Coimbra in I527. It consists of 18 colleges, attonded by about I 400 students, and has a library of 30,000 volumes, occupying three largo halls. Theology is taught by 8 profenors, canon-law by 9, civil-law by 8 , medicine by 6 , mathematics by 4, and philosophy by 4. Thero is a botanical garden, a museum of natural history, a chemical laboratory, and an obserratory well furnished with instruments. The university is rich, and the professors well paid. The lectures are mostly grattutous. The Benedictine conveut has a library equal perhaps in number of volumes to that of the university, and containing works of more modern date. The manufacture are chiolly linen and woollen fabrics, cartheuware, and combe.

It is doubtful whether the Romans lind a town on or near the site of Colmbra. It secms to have beeu built by the Goths, from whom it pansed to the Moors. It was taken by IIenri, count of Burgundy, and afterwards count of J'ortugal, about the year 1100. His son, Alfonzo-llenrique, becamo the firat king of Portugal, and Coimbra became the capital of the kingdom, and so continued till about I500, when the court seems to hare been transferred to Lisbon.

The Immedlato neighbourhood of Coimbra is delightful, and filled with gardens and country-houses. The tract of country betweeu it and Condelxa, mouth of the Mondego, is styled 'the fruit-busket of I'ortugni.' The aplendid and extensive monastery of Santa Clars is situated with ita gandens upon a hill near the south bank of the Mondego. In the ammo direction, ont far from the convent of Santa Clarm, is the Quinta das Lagrimas (Villa of Tears), in a romantlc sequestered apot, where Donna-lnez do Cantro is reported to hare been muricred. (Camoen, 'Lusimlan.') North of Coimbra the country In mountalnous. The Serrn do ISusaco, an offeet from the Serra de Alcolo, le distant about 15 milea N . by E.

COIll $\%$, In Romansch Coira, In German Chur, on the site of the anclent Cwrin Rhertorn, the capital of the Swirs canton of Orisons, is situated $\ln 10^{\circ} 40^{\prime} \mathrm{N}$. lat., $9^{\circ} 85^{\prime}$ F. long., 60 miles S.E. from Zurich, is a ralley traverned by the Ilossar, whleb here divide into three arms, and after driving soveral corn and saw-mills, enters the Rhine about a milo below the town. It atands on uneveu gronnd, is surrounded by walls and ditchon, has narow and crooked strects, and is altingether a dull.fooking place. It position howerer on the great line of communlcation between Italy, Switzerland, and Western Germany give It a conuidersblo share in the trannit-trado between those countries. The cathedral chureh of St, Buciuh, part of which dates from the sth century, and the bishopi palace, a curious antique building, are situated in the hlghest pari of the town, and are the rasst
noteworthy of the publie buildings. liehlnd the palace is a ravine noteworthy of the public buildlags lehlnd the palace is a ravine lined with vineyands, beyont whlch in the Cnthollo memninary. The
other habitation In thif quarter of the town are occupled by Catholios; the quarter is luclosed by battlementod walls pierced by two
fortified gaten. Among the other edifices are the leformod church of St. Martin, distinguished by ita high towers, and the town-houso, which contalns the public library. Many of the privato houscs are bullt $\ln$ a cnrious antique fashion. The town lias Protestant and Catholic cantonal schools, and some mnnofneture of zine plates, edgetools, and shot Coire has givon titlo to a biahop since A.D. 152 , and the see is perhaps the oldost in Switzerland. A newspaper is published in the town in the IRomnnsch language, a descoudant of the Latin.

COLAPOOR, a mall dependent Mahratta state, situnted Tithin the province of Bejapore, in the region of the Weaterni Gliaut Mountalns, being partly below and partly within tho Ghautn. The trritory of the Colapoor Raja is so intermixed with that of the British, and of other Malaratta chiefs, that it would bo diffenlt to describo its boundaries. The stato of Colapoor wns founded by Sumbajee, the grandson of Sevajee. In 1728 Sumbajee was confedcrated with the Nizam, and accompanied his army to l'oona; aud iu 1781 a treaty was concluded betweeu the Peishwa ancl Sumbajee, by which the country betrcen the Kistna and Warma, and the Toombuddra was to belong to Sumbajec, with half of all conquegts south of the Toombuddra. The territory thus assigned to the raja of Colapoor was then partly in the actual possession of the Mogula, and partly of other chicfs called Dessyes who had set up for themselves. It was not until the subsequent reign of Madhoo llas, about the year 1762, that the whole was effectually brought under the rajai power. The Colnpoor territory became nfter this the constant sceue of war and turbulence, and a place of refugo for all the plunderers and pirates of neighbouring countries. Iu 1804 the rajn was at war with the Peishwa, and after a long struggle, in which the latter succoeded in capturing the chief places in the state, and in reducing the raja's government nearly to the point of extinction, the British government interfered for the establishment of peace, and procured the restitution of his towns. This occurred in 1812, after which the state of Colapoor enjoyed a long continuance of tranquillity from withont. In 1821 the raja was privately asmassinated in his palace, and was succeeded by a son of immature age, during whose long miuority the country fell into $n$ state of great disorder. Tho young raja, on taking the government into his own hands, carly lost the good eateem of lris subjects by his exactions and his degrading vices In I825, 1826, and 1827 the raja having committed aggressions in the territories of some Mahratta Jagheendars under the protection of the English, his territory was occupied by British troops, and the powers of govermmeut wero temporarily placed in the hands of a minister appointed by the gorernor of Bombay. In each of the years just mentioned a trenty was concluded with the raja, but these treaties were broken by hirn upon every occasion that prescuted itself. In 1829 a definitive treaty restricted the rajn from keepiug up a greater force than 400 horse and 800 foot soldiers; somo districts in which ho had committed oppreasions against the 7amindars were at this time taken from him: British garrisons were placed in the capital and in the fortress of P'unnalaghar at the maja's expense, aud a chicf mininter for tho future management of his govermment was to bo permauontly appointed by, and removeable solely at the pleasuro of, the Einglish government. The Colapoor territory, including its dependencies, iveludes an ares of 3445 squaro miles, aud a population of about half a million; the revenue of Colapoor is about 55,0001 a year; that of its dependencies may be stated thus: Bhowda, 5167 h ; Inchulkunjoe, 75001 . F Klagul, 72701 .; Vishalgur, 12,3112; aud 113 Surinjams or miuor dependencies, $63,168 \%$. The chlef towns are Colaroor, the capital, Colgong, Mulcapoor, and Paruellah.

COLAPUOR, the capital of the state of Colapoor, is situnted in $16^{\circ} 19^{\prime} \mathrm{N}$. latn, $i 1^{\circ} 25^{\prime} \mathrm{E}$. long., about 120 miles S . from Puona, is a ralley botween a curved raugo of hills, by which it is protected on three sides, the fourth side being protected by two hill-forts about 10 miles uorth-west from the town. These forts stand upon rocks about 300 feet above the level of tho valley, which present uatural perpendicular rauparts of basalt, from 30 feet to 00 feet high. The two forts ano connected together; one of thenu, called lunnalighur, covers a space 3 m miles in circumference, in which area aro several dwellings, lofty trees, gardens, and fine tauks. The works immediately connected with the town of Colapoor are not strong.

COLBLERG, or KOLBELGG, a towu and strong fortreas iu the Prussian province of P'ornerrnia, is situnted about 170 miles N.LE。 from Berlun, 26 miles W. from Cöslin, in $54^{\circ} 9^{\prime} \mathrm{N}^{\prime}$ lato, $15^{\circ} 34^{\prime}$ li. loug., and has about 8000 inhabitanta. It stands on the right bank of the Persante, which empties itself into the Baltio about a mile below the town, and at its mouth formn a harbour, which properly cousists of two dams, carried out from the banks of the river Into the sen, and protected by redoubta. Colberg containsa cathedral, several Lutheran clurebos, five hospritals, a workhouse, a house of correction, au exchange, a foundation in a nunnery for sereu daughters of uoble families aud for nine of citizens; an orphanasylum, a gymnasium, \&c. The lnhabitanta are engaged in the salmon, haddock, and lamprey fisheries, and in the mauufacturo of woolleu-cloth, anchors, malt, and spirita. Fresh water is supplied to the town from a distauce by admirable but vory expensive water-workn: the water, which is raised by a wheel to the helght of 40 foet, is conveged in pipes to orery part of the town.

Colherg was formerly one of the Hanse towns, and till 1812 the seat of a collegiate chapter. The modern fortificatious and outworks were eommenced in 1773 . It was taken after a siege of scveral weeks by Gustav Adolph in 1630; was besicged by the Rnssians in 1758, 1760 , and 1761 , and surrendered to them by capitulation on the 10 th Deccmber, in the last-mentioned year. The French invested it without success in 1807. It has a considerable trade, both inland and foreign, and a brisk woollen market. Its military strength is greatly increased by the swampy natnre of the country around it.
COLCHESTER, Esses, a muuicipal and parliamentary borongh, market-town, and the scat of a Poor-Law Union, is sitnated in $51^{\circ} 53^{\prime} \mathrm{N}$. lat., $0^{\circ} 53^{\prime} \mathrm{E}$. long. ; distant 22 miles N.F. by E. from Chelmsford, 51 miles N.E. by E. from London by road, and 514 miles ly the Eastern Counties railway. The population of the borough in 1551 was 19,443 . The borough is governed by 6 aldermen and 18 councillors, one of whom is mayor; and retums two members to the Imperial Parliameut. The livings are in the archdeaconry of Colchester and dioeese of Rochcater. Colchester Poor-Law Union, whieh is eo-extensive with the parliamentary borough, contains an area of 11,70 acres.

Colchester is generally supposed to be the Camalodnunm of the Iiomans. There aro few places in England where more Roman antiquities lave been found: Morant mentions 'bushels of coins' of Clau lins, Vespasian, Titus, Domitian, and their successors. The towu walls, the castle, many of the ehurehes, and other ancicut buildings are eliefly built of the Roman brick. Nnmerons vases, urus, and la ups both in bronze and in pottery, rings, bracelets, \&c., tesselated pavements, patere, and other Romau autiquitien have at various times been dug up within the walls and in the neighbonrhood. Ly the Britons it wiss called Caer Colon, and by the Saxons ColuoCeaster, from the Latin 'Castra,' and its sitnation on the river Colne. Coleleester was strougly fortified by Edward the Elder, and was at tho time of the Domesday Survey a plaec of eonsiderahle note. In 1183 the town had its first eharter from Richard I. Colchester appears to have sent members to I'arliament at even an earlier period than London. Iu the reign of Fidward III. the town eontributed five ships and 170 maines towneds the noval armanent raiscd to blockade Calais. Early in the civil wars the inhabitants of Colchester declared against the Royalists; and in 1048 the town enstained a inemorahle sicge. Having been obliged to surrender to the royal forces, the city was garrisoned by Sir Cluarles Lueas and Lord Goring. Fairfax soon arrived, and mmmoned Lord Goring to surrender, on whose rcfusal he procceded to stors tho city; after seven or eight hours' attaek ho ehanged his plans, and began a nost rigorons blockade. Tho Royalists held ont for eleven wceks, but the provisions of the place laving beon eonsumed, the garrison surreulcred at discretion. Sir Charlen Lucas, Sir Gcorge Iiale, and Sir Hernard Gascoigne were condemned to death, Gascoigne being a foreigner hal his sentenee remitted.

The ruins of the eld castle, St. John's Abbey, St. Potolpll's Priory, the Moot IIall, and the chnrelics, form the principal ancient and public bnildings of Colchester. Of tho walls by which the eity was surrourderl, which were one mile and three-quarters in circumference, soure detached portions exist. The remains of the castle stand upon an eminence and fom a parallelogram. The keep is in a good state of preservation, and its walls are 12 feet thick. The buildiug, which is a compund of flintstone and liomau brick, is so hard that repeated attempts to dennolish it for the sako of the materials havo proved unsuceessful.

St. John's Abluey was fomuded hy Jindo, dapifer or stewarl to llenry I., for anonks of the Beuedictine order. A handsome gatevay, of the later style of Finglish architecture, is all that now remains of this abbey. In St. Giles's churcl, arljoining the abbey, is a monnment erecterl to the menory of Sir C. Lneas and Sir Gicorgo Lislc. St, Botolph's l'riury, not far from St. John's, was founded by Enulph in the berinning of the 12 th century. The remains of the western front of its stately elurch are highly interesting. St. Botolph's parish ehnrch is a handsome modern erection, of white hriek, with a massive cinbattled tower: The charch of St. Jamen, erected prior to the time of Edward Il., lass a fine altarpicce representing the Adoration of the Shepherds. St. Peter's church is mentioned in Domesday Book as the only ehureli then in Colchester. St. Leonard's ehnrch is a large and conmodions structure. There are places of worship for Paptista, Independents, Wesleyan Methodists, and Unitariaus. The Free Grammar selool, fonnded in 1584, for whielı a new sehoolhonse has just becn huilt, has an income from endowment of about 1001 a year, and had 59 seholars in 1852. With the National sehool a Charity school has becu incorporated, and the united school has an attendance of npwards of 400 children, of whom more than 100 are elothed as well ns educated. Thoro aro also British, Infant, and loman Catholic sehools $A$ school endowed by a member of the Sucicty of Friends hes a lihmary attached. A library fonnded by Dr, fimmel llarsuct, arclabishep of York, is in the care of a literary sucicty which mects once a week in the castle. In CoIchester are a literary and plilosophical socicty, with musenm, a botanical and horticultural socicty, a mechanics institutc, and numerous religions aml benevolent associations.

The trown of Colclester it plenaaitly situnted close to the river UEON, DLV. VOI,. II.

Colne, over which there are three bridges. One of these, at the northern entrance to the town, is an elegant cast-iron structuro of three arches, erected at a cost of $1800 l$. The town is lighted with gas, well pared, and plentifnlly snpplied with water. The honses are generally well built. The site is cousidered healthy: there are good walks and pleasant views in the vicinity. Baize was formerly made in the town to a considerable extent, bnt this branch of industry has ceased. The silk manufactnre is carried on. There are also iron and brass-fonndries, machine-works, coach-works, rope and sail-works, breweries, and vinegar and other works. The oyster fishery is here an important branch of iudnstry. The river Colne is navigable to the Hythe, a suburb and the port of Colchester. The subjoined statement shows the extent of the shipping trade of the port for the ycar 1852 :-Tho nnmber and tonuage of vessels registcred as belonging to the port of Colchester on December 31 st , 1852, weresailing vessels nuder 50 tons 187, tonnage 3950 ; above 50 tous 65 tonnage 7156 ; and one steam ressel of 23 tons. The number and tomnage of vessels entered and cleared at the port during 1852 were as follows :-Coasting trade: inwards 657, tonnage 50,231; outwards 305, tonnage 13,866. Colonial and foreign trade: inwards 46, tonnago 2748 ; outwards 31, tonnage 2303.
Colehester has a plentiful supply of fish. The prineipal mniket for corn and eattle is on Satnrday: auother is held on Wednesday for poultry and fruit. Vegetables are extensively raised on tho neighbonring grounds. Screral annnal fairs are held. A connty court, quarter sessious, and meetings of justices are held in Colchester There is a savings hank in the town.
(Morant, Essex ; Wright, Essex.)
COLCHIS, a eountry of Asia, extending along the castern shomo of the Euxine Sea, from tho town of Trapezus, according to Strabo; or from the Phasis according to Ptolemæus. Pityus was the most southerm town in Colchis, and Dioseurias the most northern, the distance between the two, according to Arrian, being abont 350 stadia. It was bounded N. by the Caucasus, S. by Armeuin, E. hy lbcria, and W. by the Euxine. The name Colchis appears in the early legends of the Greeks as comected with the expeditiou of the Argonants, and the story of Jason and Medca.

The chief river of Colchis was the Phasis (now called Faz aud Rioni), which receiving the small streaus of the Glaueus and Hippus from the noighbonring mountains flows into the Luxinc Sea. Among the most important citics were I'ityus, the great mart of the distriet Ihasis, on the river of the same name, where the Argonauts are said to Liave landed; Aea, ou the Phasis; Cytx, or Cutatisium (now Kehitais or Kntaiz), the traditional birthplace of Medea; and Diozenrias, a sea port originally founded by a colony from Miletus, but nuder the Romans, who robuilt it on or near the old site, it was called Sebastopolis. Colchis was a very fertile district, and abonnded in timber (whieh was well adapted for ship-bnilding), in various kinds of fruits, and in hemp, flax, wax, pitch, and gold-dnst. The inhabitants were faned for their linen mauufactnres, which formed a eonsiderable artiele of export. The honey, which Strabo (p. 498, b) represents as bcing vory bitter, produced violent and even fatal effects on the Greeks who eat of it during the retreat of the Ten Thousand; it deprived them of theis senses, disabled them from standing upright, occasioned vomiting, \&e. hnt 'finally all rocovercd. (Xcnophon, 'Anab.,' iv. . 20.) The richness of the country in silver and gold mines was probably the cause of the Argonantic expedition. The pheasant (Plasiunce avis) derives its uame from its native plaee, the banks of the Phasis.

The Colchi were originally from Egypt, according to Herodotus (ii. 101), aud part of the army with which Scsostris invaled Scythia. The facts on which he founds lis opinion aro-similaity of physical features, of language, and of peenliar enstoms, such as circumeision. The curled hair and swarthy eomplexion, on which Herodotus relies in support of his position, seem however no longer to exist in Mingrelia. The Colehians were divided into numerous clans or tribes, settled ehicfly along the coast of the Euxine. The Machelones, Henischi, Zydreto, and Lazi lived south of Phasis ; north of it were the Apsidx, the Abasei (whose name remaius in Abbasia), the Samigie, and the Coraxi ; and the Coli, Melauchlæni, Geloni, and Suani along the Cancasus Monntains to the north aud west; and the Moschi among the Moschici Montes, an offset of the Caucasus to the sonth east of Colchis.
Colehis was governed hy kings when we first read of it. Helins is mentioned by Diodorus as king before the Argonantic expedition. Eetes is mentioned by Strabo (p. 45, $l$ ) as king at the timo of the oxpeditiou. Colchis was afterwards divided into several small kingdoms or states (Strabo, 45, d), and we hear nothing more of it till the time of Xenoplson, who ('Auabasis', v. C, 37) speaks of a son o1 grandson of Netes as reigning over the Thasiani. Tho Colehi were not then subjects of the Persian empirc, but were independent. (Xcn., 'Auab.' vii. 8, 25.) They opposed the Greeks in the retrent of the Ten Thousand. Mithridatos afterwards subdued Colchis, and the goverment was administered by profects, ono of whom, Moaplernes, wns Strabo's unclu. (Straho, p. 449, u.) Under tho early emperor's the fimily of Polcinon (son and snccessor of Pharnnees, sou of Mithridates) reignod over the Colchians. (Strabo, p. 499, a.) Under both tho western and eastern cmpires the llomaus oceupiel tho coast by numerous crstles and fuetories, so ns to command tho valuablo trudo
of the country. In the Gth cossury Colchin was commonly called Terra Lazica, from the Lazi, oue of the Colchian iriben.
Colchin seeus to linve comprised tho wholo of modern Mingrella, parts of Imeritia and Abbasia, and the narrow ntrij hetween the monntains and the sen east of Trehizond. In this latter district there is हtill a numerous and warlike poople called Lax, from whom the dietrict is sometlmes callal Laxistan, and the cosst-range, whlch divides it from the besin of the Choruk-nu, the Lazistan Mountains. [Armenil.]
COLDINGITAN. [BERWICKSUIRE]
COLDSTLIFAN. [BERWICKSMRE]
COLFAH. [AvaERIR]
COLI:FORD. [GLOUCESERRHIRE.]
COLEORTON. [LmCESTERSHIRE,
COLERAINP, commty of Londonderry, Ireland; partly in the pariah of Killoweu and barons of Coleraine, and partly in the parish of Coleraine and barony of tho northeest liberties of Coleraine; a sea-port and post-town, is muxicipal and parliamentary burough, and the neat of a Poor-Law Uuion; is distant 145 miles N. from Dublin. The population in 1851 was 5920 , exclusive of 312 inmates of the Union workhouse. Coleraine returns ono member to the Imperial Parliament. Tho paring, lighting, \&c, of the town are under the care of 21 town comminsioners. Coleraine Poor-Law Uuion comprises 20 electoral divisions, with an area of 112,366 acres, and a populatiou in 1851 of 43,021 .

Coleraine is nitunted on both banks of the river Bann, at a distance of 4 miles from the sea. The principal part of the town is on the right bank, and consists of a central squaro called the Diamond, with several leading ntreets diverging from it, The bridge connecting this portion of the town with the suburb of Killowen or Waterside on the left bank of the river is a stone structure of threo arches, 238 feet long and 32 feet in breadth, erected at a cost of $14,500 \mathrm{~L}$. There is a great thonoughfaro by this road between the northern parts of the counties of Antrim and Londonderry. The parish churches of Killowen aud Coleratro stand in the respective divimions on either side of the river. There are also two Roman Catholic chapels and six meeting-hounes of varjous denominations of Dissenters, an Endowed achool, a National Model seliool, and a sarlngs bank. The old courthouse and town-bnll stands in the centro of the Diamond. There is a new inarket-place with a commodious market-house. Tho town is lighted with gas. Vemsels of 200 tons burden can aseend the river to the quay; but the principal maritimo trade of Coleraine is conducted from the harbonr of Port Rush, 5 miles distant on the coast near the embouchure of the river. At Port Rush is a harbour formed by two piers of 800 feet and 650 feet in length, inclosing an area of 8 acres, with from 15 feet to 20 feet of water at the wharfs. The customs dnties of the Colernine district in 1851 amounted to 67331 . : the excise duties amounted to 37,2401 . Tho number and tonnage of vesscls belonging to the port in 1852 wero:-Under 50 tons 11, tonnage 259; above 50 tonn 1 , tonnage 76 . The entriea and clearances at the port in the coasting and crose-channel trade $\ln 1852$ were:-Sailing vessels, inwards 162 , tonnage 7145 ; outwards 20 , tonnage 716 : steam vessels, inwards 377 , tonnage 104,632; outwards 207, tonnago 57,087. In the foreign and colonial trade there eutcred 12 vessels of 2379 tons, and cleared 6 reasels of 1223 tons. Tho principal trade is tho maurfacturo and bleaching of linens aud the malmon-fishery. A fino descriptlon of lineu manufactured here is knonn as 'Coleraines.' The amnual salea of lineus aro ontlmated at 600,000 . The fisheries (of calmon and cel) are the property of the Irish Socicty, who farm them ont at an annual rent of $1200 \%$. Upwards of 300 persons aro employed as water-balliffis in tho protection of the Bann and its tributariea. Finirs are lickl on May 12th, July 5th, and Novemher 3rd; markets are lield on Jonday, Weduesday, Friday, and Saturday. There are tanneries, bleach-grouuda, payer-mills, and soap and candle worka. Quarter nowlons of the peace for the county of Loudonderry are lield liere In rotation; and petty sepaious fortuightly. Coleraine in the Prombterfan Church arrangenieut is the seat of a Presbytory of the Oeneral A membly, conmisting of 10 congregations.

Colomine is remarkablo in carly Irinh history as the place in which Patriek fouud a Chrintian biahop already located on his first progress through the morthern parte of Irelaud. A castle was built here in 1218 by Thoman Mae Uclitrod, a Scottinh adventurer. One of De Councy followom, called De Semilnll, almo erocted a castle very noon aRer the conquowh The prosent town stand on tho aite solected by the Irioh fociety in 1613. It was at first fortifiod by an earthen wall with beations. The place held out against the rebels ln 1041. In 1693 the whole cumpins of the port amounterl to only $18 \% .08 .8 \mathrm{fd}$. The neighbourhool fo rich nnd well cultivated, A fall of the Bann over a ledgo of rock 12 fect high, at the Cutt, abont a mile above the towa, alris cunmiderably to the pleturearuo interest of the environs.

COIFESIIILJ. [Wafwickshime.]
COLISNY: [A1s.]

COIJ, ISLASI). [A MOTLMAHRE]
COIJ.IN, properly KOLJIN , town in Mohemia, is situated on the Fliw, in $49^{\circ} 69^{\circ} \mathrm{S}$. lat., $15^{\circ} 10^{\circ} \mathrm{F}$. lngg., at a dimtance of 39 miles by milway 1. from Pragne, and contain mbout 6000 inhalitants. largo quantlice of garncta, fopazes, and carmelian are found in tho

Ficinity and poliwhed hore. In the neiglibourhood, between the enotle of Chotzernita aur tho villago of Ilanian, Marshall Dnum, the commaniler of the Austrian army, gnined a decisive vletory over F'rederick the Grent on the 18 th of June $1755^{\circ}$.
Colliuis a station on the railway from Vienna to Prague. It containa a grammar school, cotton and potash factories, a Capuchin monnstery, a church and a towu-hall, both in the gothle style, and a castle with grounds and a botanical garden attached to it. The town is well built, surrounded by walls, aud Anely placed upon an elovated rock, bencath which tho lilbe has a considcrablo fall

COLJ.ON. [Lourn.]
COLLONGES. [AIS.]
COLLUMIPTON, or CULLOMPTON, Dovonalire, a markot-town in the parish of Collumpton and hundred of IIayridgo, $\ln 50^{\circ} 51^{\prime}$ N. lat., $3^{\circ} 23^{\prime} \mathrm{W}$. long., is situated on the right bink of tho river Culm, a tributary of the Fixe; distant 10 d uniles $\mathrm{N} . \mathrm{F}$. by N. from Exeter, 160 milen W.S.W. from Londou by road, and 181 m mlles hy tho Great Nicstern and South Devon railwnys. The population in 1851 was $2 \% 05$. Collumpton is a town of some antiquity. The town is of considerablo size ; the main street, which forms a portion of the Excter and Tauntou road, is nbout a mile long. The parish chureh, a handsome edifice of tho 14 th century, was carefully restored in 1849. It hns a very rich screen. A chapel on tho south side erected in 1528 by John Lane, n clothier, is reinarkable for the sculpture on tho esterior, which represents the implements then used iu the making of cloth. The Indepeudents, Baptists, Wesleyan Methodists, and Uuitarians have places of worship in the town. Thero are a National school and a Mental Improvement society. The woollen manufacture, particularly that of scrge, is carried on to some cxtent in Collumpton. The market-day is Saturday; a monthly market receutly established is held on the first Saturdny of each month: fairs are held in May nad November. Petty sessious are held once a month.

COLMAR; the capital of the department of Haut-Rhin, in France, stands on the Lauch and the Fecht, both tributaries of the IIl, a feeder of the Rhine, at a distance of 352 mile L.S. E. from Paris by railway through Strasbourg, 40 miles by milway S. from Strasbourg, 49 miles N.N.W. from Bale, in $48^{\circ} 4^{\prime} 41^{\prime \prime} \mathrm{N}$. lat, $7^{\circ} 21^{\prime} 43^{\prime \prime}$ F. longe, and has 10,153 inhabitauts, including the whole commuue. In a struight line the distance from Colmar to Paris is ouly 250 uiles.

The town, which is beautifully situated in a plain near the foot of the Vonges Mountains, has well-built houses, but the strects aro ill laid out; they are however kept clean by manll streams from the Lauch and the Fecht. It is entered by three gates, those of Brisach, Bale, and Rouffac. The Place-dela-Cathedrale is the principal square, and in it the weekly market is held. Boulevards planted with trees suiround the town, snd there are several handsome promenades ous the south sido of the town, outside tho gate of Bale. The eathedral is the most remarkahle building; the tower is nscended by 303 steps, and on tho inside of its walls inscriptions iu Hcbrew, Greck, Latiu, and German recout the dreadful mrages of the plague of 1541. The other objecta worth notice are the court-housc, town-louse, collego (which has a lihrary of 36,000 volunces, and a collection of paiutings on wood by Martin Schön, Albert Dürer, and othera), the institution for deaf-mutes, hospital, theatre, musenm, and tho beautiful churcls of the Dominicans, in the nave of which the corn-market was not long ago held. The high court for the departments of Ilaut-1hin aud Bas-Rhin is held in the town, which has also tribunnls of first instance and of commerce.

Colmar is one of the principal seats of the cotton manufactures in France. The machinery of its unmerous factorica is chiolly movols by tho mountain-streans above named, hut stean is also largely omployed. All descripitious of cotton-goods, as well as cloth, hosiery, ribands, room-paper, aud leather, aro uanufactured. The town his also large cotton-printing and cotton-spiuning estahlishments; aud a brisk trade in corn, wiue, iron, groceries, \&c, Before A.D. 1220 Colmar wns a more villago. In that jear it was raised to the rank of a town. It was enlarged in 1282, and soon after was mado an imperial free town, and diaputed with Ensisheim tho precedeucy anong tho towns of Upper Alsaco. Iu 1552 it was surrounded with fortification, which wero conaidernbly augmental at a subsequent period. The Swoder took Colmar in 1632, Jouin XIV. took it in $167^{\circ} 3$ and razed tho fortificatlons. It wam united to France by the trenty of Ilyswick. Colmar wan formerly fucluded in the dioceso of Bale.
(Dictionnaire de la France: Annuaire pour l'An 1853.)
COLMALRS. [ALPEs, Bassiss.]
COLMONELL. [ATRGMRE.]
COLNBHOOKK. [HUCKiNOUAMSMRPE]
COLNE, Lancashiro, an ancient narket and manufacturing town In tho parish of Whalloy and hundred of Blackburn, is situated on an clevated ridge noar the river Calder, in $53^{\circ} 51^{\prime}$ N. lat., $2^{\circ} 9^{\prime}$ W. long.; dintant 35 miles S.E. by E. from Lanenster, 218 tullem N.N.W. frou Loudon by road, and 222 miles by the North.Wieatern and Enat Lancashire milway, The population of the town of Colne iu 1851 was 6644. The government of the town is in the hauds of tho county masiatrates. The liviugs are perpetual curacies in the archdeaconry and dioceso of Manchester.

Colno is a town of considerablo antiquity, although autiquarien are not agreed as to tho date of its origin. The town was known in tho
commencement of tbe 14 tb century as a seat of the woollen manufacture. At present cotton-spinning and the making of printed calicoes and mousselines de laine are the chief occupations of tbe place. Colne bas increased very much in the course of the present century. Several limestone and slate quarries and coal-pits are in the neigbbourbood. The Leeds and Liverpool Canal passes near the town. The cbureh is ancient; it has been scveral times repaired, the last time in 1815. Scveral district churches bavo been erected since 1835. Tbe Baptists, Independents, and Wesleyan and Primitive Metbodists bave places of worship in Colne. The Free Grammar scbool is of ancient foundation: at this school Archbishop Tillotson was in part educated. There are aeveral National schools, and a savings bank. A county court is held. Many interesting old mansions are in the neigbbourhood. The market-day is Wednesday. Fairs are held in March, May, and October for cattle, and in December chiefly for woollen and fancy goods; a fair for cattle is held also on the last Wednesday of every month.

COLOCZA (Kalocsa, Kalotscha), a town in Hungary, is situated in a swampy plain, on a small arm of the left bank of the Danube, near $40^{\circ} 32^{\prime} \mathrm{N}$. lat., $19^{\circ} 0^{\prime} \mathrm{E}$. long., and has about 6000 inhabitants. It is the seat of an archbishop. Tbe most striking buildings are the palace of the archbishop, whicb resembles a fortress, and containa a library of 30,000 volumes; and the eathedral churcb of tbe Annunciation. To the archbishoprio of Colocza is united the bishopric of Bacs, the metropolitan chapter of which has its seat also here. The town bas an arcbiepiscopal lyceum, with a theological seminary; a Piarist college, a gymnasium, and a grammar school. The library contains a Manuscript called tbe 'Coloczs Codex of Old German Poems,' supposed to bave been written in tbe latter part of the 15 th century. This valuable work is written and illuminated on beautiful parcbment, containa 336 pages, and comprises 15 poems, consisting in all of 54,000 verses. The inhabitants are cbiefly engaged in the breeding of horses and cattle, and in the Danube fishery. Steamors plying on tbe Danube stop opposite Kálocsa.

COLOGNE (Cöln and Kölı), an ancient and fortified city in Prussia, capital of the government or administrative circlo of Colognc, in the Rbein-Provinz, is siturted in $50^{\circ} 56!^{\prime}$ N. lat., $6^{\circ} 57^{\prime} 52^{\prime \prime}$ F. long., 212 miles by railway E. from Ostende, 390 miles E.N.E. from Berlin by railway througb Hanover and Magdeburg; and had in 1853, 100,000 inhabitants, including tbe garrison aud tho suburb of Deutz, on tbe right bank of the I bine. The city extends in a creacout-shape along the left bank of the Rbine. It is incloserl by a lofty wall about six mile in circuit, defended by 83 towers, and surrounded with ramparts and deep ditches. It has 24 gates on the land and watcr sides, and in front of tho 7 principal gates strong redoubts have been erected. Cologne occupics the site of tbe Oppidum Ubiorum, or chief town of the Ubii, a German nation (Tacitus, 'Ann.' i. 36). This town was a Roman station, and subsequeutly a colonin, under the name of Colonia Agrippina, or Agrippinensis, so called by the emperor Claudius in honour of his wife Agrippine, who was born here wbile her father Germanuicus commanded in these parts. Agrippine adorned it with an amphitbeatre, temples, aqueducts, \&c., the ruins of which may still be traced. It soon became a very large and important city, and the chief town of Germania Secnnda. Vitellius was at Colonia when he was proclaimed emperor. Trajan also, on the death of Nerva A.D. 98 , assumed tbe purple here. Colonia continued to bo the capital of Lower Rhenish Gaul till A.b. 330, about which time it was taken by the Franks; it was recovered however by Julian, about A.D. 356, and was then a strongly fortified place. The Franks took permanent possession of it in tho first balf of the 5 th century, and Childeric, Chlorlowig, and otbers of their kings resided in it. After a frequent cbange of musters it was annexed to the German empire in 870 . Some remains of tbe Roman walls are still seen, and the gate called Pfaffen Porto is supposed to be the Porta Claudia Many statucs and sarcoplagi have been fouud witlo the inscription C. C. A. A. Colonis Claudia Augusta Agrippinensium; and there are many traces of 1 Roman mads in the neigbbourbood. The old town of Cologne was that whicb was inclosed with walls by the Romans, and was called, till near tbe close of the 12th century, 'Civitas intra Coloniano.' About a.D. 1180 a new wall iuclosed the suburbs.

Cologne took part in somo of the many disputes which arose in tbe German empiro, athl was besieged by Menry V. for its attachment to bis father Henry IV.; and afterwards unsuccessfnlly by Philip of Swabia, for having proclaimed lis rival Otto IV. Iu 1349 the principal Jews of Cologne, anticipating tbo asme fearful pcrsecutions as in other places, sbnt themsclves up with their wives and cbildren, and set fire to tbeir louses; upon tbis the surviving Jews were compelled to leave the city, and though thoy subsequently obtained perminaion to return, they were again obliged to quit it in 1429.

Cologne was one of tbe most powerful and wealtby cities of tbe Iranseatic leagne. In the 13th century it could muster an armed force of $30,000 \mathrm{men}$, and its population amounted to 150,000 . When tbe IHanseatic leaguo engaged in a war with England in 1452, Cologne nided with England, ou which account it was formally excluded from tbe leaguo; but on the conclusion of peace by the treaty of Utrecht in 1474, it was re-admitted to this privilege upon the intercession of the emperor Frederick III. Daring the whole of this period the commeres of Cologne was extremely flourinbing. In the 11th century the

Colognese vessels carried Rhenish wines, corn, flour, malt, beer, hinen, and otber German produce to all countries lying on tbe German Ocean and the Baltic, to England, Franee, Spain, Portngal, Italy, Norway, Sweden, and Russia, and brought back the productions of those countries.

The trade of Cologne with England at this early period was very considerable, and King John conceded to the merchants of Cologne commercial privileges rarely granted to bis own subjects. Cologne had a large factory in Norway aud anotber in the Netberlands; and after 1259 all vessels navigating the Rhine were obliged to unload their cargoes at Cologne, wbence they were conveyed in its own ships. Tbe arts and sciences were equally flourisbing, partly it is supposed in cousequence of frequent intercourse with Italy; and its university, suppressed during tbe French occupation of the city, was one of tbe most famous in Germany. The specimens of its architecture, paintings on glass, sculptures, and pictures, which still exist, attest the perfection which its artists bad attained. Tbe manner in which the carnival is celebrated, and the amuscment of tbe puppet theatre, are proofs of a former close connection with Italy. Intcstine divisions, the expulsion of tho Jews, the public destruction of its looms, which compelled their owners to emigrate, and various other causos, hastened its decline. Anotber and perhaps a leading cause of the decline of this city was the closing of the navigation of the Rbine by the Dntch in the 16 th century. The restriction was removed in 1837, and Cologne, which is now a free port, trates directly with foreign countries, and sea-going ships are built in it. Cologne ceased to be a free town soon after tbo first Frencb revolution. Tbe French took tbe city, sbut up tbe monasteries, aud plundered several of the churches and collections in the tuwn, which they made tbe capital of the department of tbo Röer from 1801 to 1814. At tbe peace Cologne and its dependencies fell to Prussia.

Cologne is divided into four sections, and is built in a very irregular manner; the streets, many of which still retain their loman namea, are generally narrow, dark, and crooked, and paved with basalt. Of late years however many of tbe streets bave beeu widened and neatly paved, now bouses built and old ones repaired, so that the town is less dirty than it formerly was. A large portion of the area within the walls is now occupied by neglected fields and gardcns, the once well-tilled property of tbe conventual houses. It contains 25 churches, 8 chapels, a synagoguo, and many other public buildings. The Cathedral is tbe most maynificent monument of gothie architecture in tbe world. Tho name of the architact who furnisbed tho original plan (whicb still exists), is unknown, but the structure was begun in 1248 by Archbishop Conrad of Hochstedten. It is in the form of a cross, 500 feet in length and 200 feet in brealth; tbe roof rests on 100 columas, of which the four central ones are 30 feet in circumference. The only part bowever which was finished until the present century was the splendid cboir (wbich is 180 feet high), witb its surrounding cbapels and its superb paiuted glass windows. Of tbe two towers, which were intended to have been 500 feet in height, one was raised only half this elevation, and tbe otber not more than 21 feet. But by the munificence of tho Prussian government, and by means of subscriptious, the works have been pushed on witb vigour, especially since 1842 , and tbe body of this magnificent catbedral was solemuly opencd in presence of the Archduke Johann of Austria and the King of Prussia on tbe 15 th of August 1848 , tbe 600th anniversary of the foundation of the building. Tho cboir contains the tombs of Archbishop Conrad, its founder, and Mary de Medicis; and abounds in relics and curiosities, especially the chapel of the Three Kings, wbicb is richly adorned with gold and preeious stones. Among tbe other interesting cburcbes are those of St. Ursula, St. Columba, the Annunciation, St. Gereon, and St. Peter, which last eontains the Crucifixion of Peter painted by Rubens. The other buildings of note are-tbe ancient Carthusian convent, tho town-ball, the Gurzenich, whero tbe several diets of tbe German empire formerly met, the archicpisocpal palace, tho court-house, the excbango, theatre, museum, the Roman tower, \&c. Between Cologne and Deutz (which is included in the line of fortifications) is a bridge which rests on 39 poutoons, and is 1250 paces long. A bridge is we believe in course of construction between Cologne and Deutz, for the purpose of connecting the railways on each bank of tbe Rhine.

Cologne is the residence of an archbishop, and the seat of various public boards. It contaius two gymnasia; has several good libraries; collections of Roman autiquities, mauscripts, coins, natural bistory, \&c.; and a great number of educational establishments.

The manufactures of Cologne are cotton-yarns, cotton-goods, hosicry, woollens, silks, velvets, tobacco, brandy and spirits, Eau de Cologne, of which above a million bottles are annually exported, \&c. Being a free port, and having communication by railway witb Belginm and various parts of Germany, Cologne bas an important transit trado in home and foreign produce, which has greatly contributed to its present prosperity. In the vicinity of the city are several coal. mines, and abundance of a particularly fine sort of porcelain-eartb and potter's clay. Steamers ply regularly between Cologne and tbe towns along tbe Rbine.

Cologno gave title to a bishop from A.D. 314 to tho 8th contury, when the see was raised to an archbishoprie. In the 14tb century the archbishops were made Electors of the Germann empire; they
were fnther styled archehancellors of tho euppiro in Italy, and held the thinl rank anong episcopal lilectors The last elector of Cologno wne Maximilian, who died in $1 \mathrm{S01}$. . The electorato comprined n large lerritary on the left bank of the Ihhine, now includel in the Rheinl'rovive; a portion of the duchy of Westplalia, of which Aransbers was the capital, and tho county of Recklinghansen. The archbiahops of Cologne formerly resiled at lionn. [Boss.]

Tho govermuent or aleninistrative division of Colngiso comprises munea of 1532 aquare milea, and had at the end of 1849 a population of 497,330 , of whom about six-seventlis aro Catholics. [17atis. Provinic]

COLOMBIA in the name which was adopted by the northern countrien of sonth America in 1819, when New Grmada and Veuczuela united and entallished one centenl goverument for tho purpose of rosisting the Spanish porerntnent. In $18: 9$ Venczuela renouncerl the union, and constitutol itself a separate republic. After the resignation of Iolivar in 1830 it again joined New Gramada; but this ubion lanted only a chort time. In Noveuber 1831 a new separation took place, and Colombla was divided into the threo republics of licuador, New Gravada, and Vemfacerla.

COLOMBO, or COLU゙JBO, an episcopal city, the capital and scat of the l3ritish goverument in Ceylon, in sitmated on the western const of the island, in $6^{\circ} 59^{\circ} \mathrm{N}$. lah, $80^{\circ} 4^{\prime}$ 1j. long., 368 miles S.W. from Ilalras. The population, which is composed of Europeans, burghers, Malabara, Singhalese, and Moorz, besides some Malnys, Chinese, Parsees, Caffreer, and I'attangs, amounts to about 40,000 .
Tbe fort of Colombo is on a promontory, two-thirds of the extent of which is whsherl by tbo sea. It has a circuit of about a mile and a quarter, and is defended by eight principal bastions, four of which are townels the sea, and three face a lako and command the narrow approach from the town. Towarls the land the fort is surrounded with a deep moat, and a lake bordering on the glacis adde to the strength of ths place. On the sido of the sea, where the surf does not render a landing impracticable, every part is well commanded by tho batteries. Inside the fort aro several strnight and regular streets. The residence of the gorernor, calleal the 'Queen's house, is in Kingstreet; and behind it is tho lighthouso, a handsomo edifice, tho light of which is $9 \%$ fcet abore the level of the sem. The principal govern. ment offices and courts aro within the fort ; also au Kinglish eburch, a public library, a medical mnecum, an hospital, a lunatic asylum a well-arranged prison, besides hotels and numerous shope. A fine statue of Sir Fidward Baraes has been recently erected.

The lake before alluded to loing connected by canals with the Mutwal İiver, nlmost insulates tho town. In tho eentro of the lake is a pioco of land called Slave Inland, covered with cocoa-nut trees, and ensy of accesa from the town or fort by a stuall stone bridge. It is tho lead-quarters of the Ceylon Rifle reginent.

Colorabo has amall semicircular harbour admitting vessels not exceeding 200 tons Ships of larger burden anchor in the roads The town is regularly built, with several strects, tbe chiof of them running east and west, and tbo others at right angles to them. Tbe Louses are built of cahook, whito washed, and present a good appearsnce. Tho pittah, or black town, lion on tbe north side of the fort; it convints of two principal and several cross streete, some of which havo a row of trees on each side.

Among the public buildings aro the supreme courthouse, and the varinus public officen. There is also a library belonging to the lomghers, a small-pox hoppital, a inasonic hall, and a number of religious edificen. Trinity church was consecrated by the Bisbop of Cilombe in 1846. There are plaeen of worship belongiug to the Wrsleyan Methodints and Baptists, the Dutch Irotestants, and the lioman Cntholion. 'The Dutch chureh, crecterl in 1746, is a lofty cruciform building, stmaling in the centre of the town. A collego was cotablinhad lieve some years back ly tho Bishop of Colombo for trainlng uative clsrry, eatechisha, and sehoolmasters. There are alno the govorrment mulemy or colloge, nad several other nehools, a marlogs bank, and many religious nud benerolent institutions. The disees of Colombo includen the whole island. The Bishop of Coloubo las now an allomanco of 2000 l. a year from tho Eant ludia Coinpany.

The commerce, cxternal and intermal, which ls very oxtensive, has been toticel under Cnytus. The exports to liuropo are einnanen, pepper, coffee, cocon-nut oil, Illumbago, cordago, arrack, cardamoina, elephanta' tusk, deer horm, tortolnowhelln, ebony, satin-wood, ic.; nout the importh comime of artides of Kuropean manufactura. Thero are now at Colombo largo entablishments for erunhing the cocon-aut by neare power, and the mamufacture of cocon-nut oil, besides sereral natir promen The quantity of cocon-nut oil now exported to Linglad from Colornbo is vory great. At Colombo are fine chummon garden ; asd botween Colombo and Kandy is the governueut botanical garden.
The climate of Colombo, which is rery salubrious, has been spoken of under Cethox.


CULUB1B MAJOlS, ST., Cornwall, a market-town and the sent of a Poorliaw Inion, In the parislı of SL. Columb Major and hundred of I'yder, is situatod $\ln 50^{\circ} 24^{\prime} \mathrm{s}^{\prime}$. lak, $6^{\circ} 1^{\prime} \mathrm{W}$. loug., distant 12 mile
W. from lhodmin, and 216 uiles W.S.W. from London. Tho population of the jnarish was 2930 in 1851 ; of this number tho town prolably containa about ono-lalf. The living in a rectory in the archileaconry of Cornwall and diocese of Exeter. St. Coluanb I'oorIaw Union contains 16 parichos and townhlips, with nu area of i1,120 acres, and a population in 1851 of 17,300 .
St. Columb Major is a small town, but bcing placed on the slope of a hill which commands some intereating riews, the situation is juenmatst. Tho parish church is a spracioua eruciform ellifice, asul has in the interior somo curious apecimons of early workmanhip, and uumerous monuncuts. Tho living of SL Columb Major is tho richest beuefice iu Cornwall. The Wealoyan aud Calvinistic Methodistas lave places of worship in the town. The market-day is Thurnlay; in gummer there is also A market on Saturday. Fairs are hell on tho Thursday in mid-Lent and the Thursiay after November 13th. In this parish is an oxtcusiro circular cacaupment callexl Costle-an-linns.

COLUMIBLA, DISTRICT OF, the seat of the governueut of the United Statur, lies ou tho left side of the lotomae, nut is bounded on the N.E., N.W., and S.l亡. lyy the stato of Maryland ; the lotomas separntes it frou the state of Virginia on the W. and S.W. Until 1846 it occupied a square of 100 squaro railes; but iu that year tho portion of the district on tbe right sido of the lotomac was retroceded to Virginia, and tbe area of the district is now only 60 square miles. Tho total population in 1850 was 51,687 , including 9973 free coloured persons aud $308^{\circ}$ slaves. That part of the district which was on the right side of the Potomac was ceded by the state of Virginia, and that which is ou the left side of the same rircr, by the atate of Maryland, to the United Stntes, July 16,1790 , when it had been dotermined to eatablish the seat of the Foteral Government on tbe bank of the l'otomnc. Wrashington became the sent of tbe Federal Govertment in 1800. The goverament of the listrict is rested aolely in Congress. The inhabitants scud no represeutatiro to Congress, and hare no voice in tho election of federal officers.

The surface of tho district is diversified by slight clevations; the soil is rather light and poor. The Potomac receives hero a small alluent callal the Enstern lirancb, and by their junction a spacious harbour is formed for tbo largest vessels. The tide asceuds as far na Gcorgetown. Excellent coach-roals, railways, and canals afford every fncility for communication with the interior. Agriculture is chieffy directed to the supply of the city markets wilh regutables mul fruit; but wheat, rye, oath, and maizo are rained in considerable quantities. In 1850 thero Trero in tho district 16,267 acres of improved and 11,187 neres of unimproved lands, which together wero valuel at $1,730,460$ dollars. Tho nutuber of farms was 20t; the value of farming inplements aud machinery 40,320 dollars. Tho number of horses was 821 , nsses aud mules 57 , milch cows $\$ 13$, working oxen 104, other cattle 123, sheep 150, and swine 1035.
In manufactures a eapital of oue milliou dollars is iurested, and about 1000 persous aro employed. There are two iron works, a cotton and a woollen factory, and a large number of auall handicrnft estnblishments

The forcign commereo is incousiderable. Georgetown is the only port: most of the commeree of this part of tbe river is centrod in Alexandrin, which lies on the right bank of the Potomac, and was the chief port of Columbia until ceded to Virginia in 1816. Tho number of vesscls cutered at Georgetown in 1850 was nine, of the aggregnto burder of 1414 tons, and there clewred ten vessels of 1720 tons. The tomange of tho district amonnted to 17,010 toms. The stenm marine mensural 1949 tona.
The towus of Columbia are Wasmasatos ( $38^{\circ} 53^{\prime} \mathrm{N}$. Intm $77^{\circ} 1^{\prime}$ W. long.), the capital of the Uniterl Stntes, aud Georgetown.

Georgetoren, the port of Colurnbis, is separated from Washington by llock Croek. but tho towns are councted by everal bridges. The town is bnilt on uudulating ground, which rises abovo the Potomne and is bneked by hoights on which aro numerous lundsome villas: tho population in 1850 was 8366 . The town has beon much impured of late years, and is now a well-built place. It has soveral good jmilic buildiugs, one of the mast couspicuous of which is tho lloman Catholic Uui reatity, which has 100 atudenta, a musenm, and a librury of 21,000 volumen A squaro of five acres by the tiver side has a botanical garden in the centre, and on the sides the lioman Catholio bishopis pilace, a neat clapel, convent, and whools. There aro several churelice and nchools belonging to different seets, and neveral literary institutions. On the lieights is a cemetery with a neat gotbic chapel. In tho town are a cottou factory, a rolling-mill, and soveral flourinills. The commerce of the port has been notieed above. The Chesapeako and Ohlo Canal is hero carried across tho Potowac by a maguificent alueduct 1446 fcet long nud 36 feet above high-water mark. It is supported ly nine maneive granito piers: the cost of constmetion whe two uillion dollars. Georgetown ls connceted by canal and railway with all parta of the Uniou.
The judiciary of Columbin consists of $n$ cireuit court, presided over by a chief judgo with a malary of 2700 dollars, and two associate juilges with salarien of 2500 dollars each; a erimiual court, tho judge of which has a malary of 2000 dollars: and nn orphans' court, the judge of which has a salary of 1500 dollars.
CULUMDIA. [Cabonsia, Sultir.]

COLUMBIA RIVER is the largest of the American rivers which fall into the Pacific, running probably more than 800 milcs. Its numerous upper branches rise in the Rocky Mountains between $42^{\circ}$ and $51^{\circ} \mathrm{N}$. lat., and are at their source about 650 miles from tho Pacific in a straight line. The principal branch rises in a lake uear $50^{\circ} \mathrm{N}$. lat., and runs first in a north-north-western direction along the base of the Rocky Mountains; bnt in the neighbourhood of Monnt Brown (uear $52^{\circ} \mathrm{N}$. lat.) it suddeuly tnrns to the south, and coutinues in that direction through more than three degrees of latitudc till it meets another of its great branchea, the river Clarke, which also rises in tho Rocky Monntains near $45^{\circ} \mathrm{N}$. lat., and traverses more than three degrees of latitude in a north-western direction. At the point of junction the Columbia turns to the west, but by degrees declines again to the south, so that at its junction with the river Lewis or Saptin, which also rises in tho INocky Mountains, it has a complete southern eoursc. At their junction the widh of the Columbia is ahove 3000 fcet, and its level 1236 feet above the Pacific. Between the months of the Clarke LRiver and the Lewis, in its passnge through the Cascarle Monntains, occur the greatest impediments to navigation. Not far below the month of tho Clarke River are the Kettle Falls, 21 feet high; and above that of the Lcwis are other cataracts, where the descent in 1200 yards is 37 feet 8 inches, and where the rapids extend from three to four milcs. From the lowest of these rapids to the l'acific, a distance of 120 miles, the Columbin, though in many places nbatructed by sand-bars, is navigable for veasels drawing under 12 feet of water. Iu this part it is from ouo to three miles wide, cmbracing a number of islands, somo of which nre of considerable extent. It cmpties itself into the Pacific a little north of $46^{\circ}$. At its month it is seven miles wido, but from each of the opposite points, Cape Adams and Cape Disappointment, there cxtends a sand-bar which renders tho navigable channel very unrrow. Thronghout its conrse the Columbin receives a vast number of tributaries, some of which are considerable strcams. The Colnmbia forms tho boundary betwcen the United States territories of Onegon and Wasmingron. The Indian name of the river is Oregon.

## COLUMBUS. [Ouro, State of.]

COLVILLE: [Prince Enward's Island.]
COLYTON, Devonshire, a small market-town in the parish and lundred of Colyton, is sitnated on the little river Coly, a feeder of the Axe, in $50^{\circ} 44^{\prime} \mathrm{N}$. lat, $3^{\circ} 4^{\prime} \mathrm{W}$. long., distant 22 miles E . from Fixcter and 151 milem S.W. by W. from London. The population of the parish of Colyton, including the tithing of Colyford, in I851 was 2504. The living is a vicarage, with tho perpetual curacies of Moncton and Shute anncyed, in the archdcaconry and diocese of Exeter. Colyton is plensantly situated in a vale through which run the two emall rivers the Axe and the Coly. The honnes are bnilt uostly of fint and roofed with thatch. The church is a cruciform edifico in the perpendicular style. In the interior are a fine stone sereen and scmo interesting monuments. The Independents aud Unitarians have places of Eorship. There in an Endowed school for 25 boys. Tho parish of Colyton contains much good dairy land, and the inhabitants are chiefly employed in agricultnre. The market days aro Tuesday, Thuraday, and Saturday, and fairs for cattle are held on May 1st and November 30th. In the parish is the villago of Colyford, which is incorporated, and lass $n$ mayor, who reccires the profit of a large cattlo fair held annually. Near the town is Colcombe Castle, once the sent of tho Courtenays, earls of Devonshire, now converted into a farm-housc.

## COMANCE. [Vibgin Islands.]

COMBL MARTIN. [DEvoNsHIRE.]
COMBHELR [BMCRTPOOR.]
COMBRAILLES, a district in Lower Auvergne, in France. Its capital was Evaus. Combrailles now forms the enstern part of the department of Crense. [CuEuse.]

COMMAGE'NE, a small but rich and fertilo district in ancient Syria, was bounded N. by the Taurus, E. by tho Euphrates, W. by the Amanns Monntains, which divided it from Cilieia, and S. by the great wentern bend of the Enphraten, and Cyrrhestica-a country which lay between the sonthern part of Amanns Mountains and the Euphrates in its sonthern couree below Zengma. Commagene was ampxed to Syria under the Selcucidx: but in the disorders that followed upon tho diseonsions of Grypus and his brothers it recovered its independence, which it maintained for upwards of a century. During this period it was ruled by kings. Upon the death of Antiochus III. A.D. 17, the kingdom of Commagene wan reduced to a Roman provincc, but in A.v. 38 it was restored lyy Caligula to Antiochus IV., whose territorics were enlarged ly grants of a part of Cilicia, and afterwards of a part of Armenia, on account of his services under Corbulo in the I'arthiau War, A.d. 50. In A.D. 73 Antiochns was deposed on a charge of conspiring with the Parthians, and his kiugdom was finally reduced to the condition of a province.

The district of Cyrrhestica (no named from one of its chief towns Cyrrhus, ruins of which are seen at the village of Khoros, about 30 miles S.W. from Aintnb and near $37^{\circ}$ E. long.), was united by Constantine to Commagene: tho nuited territory which was called Eiphratensis was placed under a Presen, and had Hierapolis instead of Samomata for itm capital. Cyrrhentica was the sceno of the campaign betweon the Romans and Parthinas, which cuded in the nttor defcat
of tho latter under Pacorus, who was slain in the battle. The Romans were commanded by Pulilius Ventidius Bassus.

Commagene is now usnally considered part of Asia Minor. Cyrrhestica is included partly in the pashalic of Aleppo, and partly we believe in the pashalic of Marash.
The chief town was Samosati, a fortified place, which contained a rogal residcnce; it was the birthplace of Lucinn. The Zcugma, or one of tho great passes of the Enphrates, was in Commagene.

COMMENTRY. [Allier.]
COMMERCY. [Meuse, Department of.]
COMMINES. [l'landers, West; Nord.]
COMMINGES, a distriet of the former province of Gascogne, in France, which is now chiefly included in the departments of HauteGaroune and Ariege. Among the towns counprehended in this district were St.-Bertrand the capital, on tho Garonne, and Lombes, which was formerly of cpiscopal rank; St.-Girons, on tho Salat, and St.-Gaudens, oll the Garonnc.
COMO, a province of Austrian Italy, is bounded N. by the province of Valtellina, and the Swiss cantons of Crisous and Ticino, from which it is separated by sevcral offiscts of the Rhatian Alps; W. by the Lago Maggiore, which divides it from Piedmont, S. by the Milanese, and $\mathbf{E}$. by the province of Bergamo. The leugth of the provinco from Mount S. Giori, on the fronticrs of the Grisons, to the borders of the province of Milan, near Missaglia is about 40 miles. Its breadth is very irregular. Tho aren is 1090 square miles, and the population according to tho official returns of 1850 and 1851 was 423,206.
Tho east or larger division of the province incloses the whole leugth of the Lago di Como, the Lacus Lavius of the Romans, a fiuo picce of watcr, long, narrow, and tortuous, slut in between shores which are richly diversified by numerons promontories, gulfs, and little bays. Its most porthern extremity called Laghetto (or 'small lake') is joined to the other part by a narrow channel. At the junction of the Laghetto with the wide part of tho lake, the Adda, coming from Valtcllina, enters it on the cast side. The lake then extends nearly due south for 15 miles; after which it divides into two branches: one to the sonth-west, which is abont 18 miles in lcugth, retains the name of Lago di Como, the city of Como being at the extremity of it ; the other branch runs south-cast for 12 miles, and is called Lago di Lecco, from the town of Lecco. The Adda issnes out of the lake at Lecco. The breadtl of the lako is very unequal ; towards the middle, just above the separation of the two branches, it is about 3 milcs, but in most other places it is only between one and two miles. $\Lambda$ steamer plics betwcen tho city of Como and the several towns along the shores of the lake.
Two projections of the Rhetian Alps encompass tho basin of tho lake. One of theso procecding from the group of the Splugen rums parallel to the western shore, and divides it from the basin of tho Lake of Lugano, the level of which is more than 200 feet above that of the Lake of Como: the highest summit in this ridgc, called Monte S. Giori, or Iöri Berg, is abont 9000 fect alove the sen. The eastcrn ridge is an offset of the chain which divides Valtellina from Lombardy, and in Monte Legnone, to the north-east of the Lake of Como, rises to abont 9000 feet above the sea; it thence runs south, parallel to the eastern shore of the lake, dividing the province of Como from the Vall Brcubana, in the province of Bergamu. Theso two ridges sink lower and lower as they advance to the south, until at last both mergo into tho great plain of Lombardy. They send ont many offsets towards the lake, formiug transverse valleys, which aro drained by numerons streams that empty themselves into tho lakc. The neighbourhood of the Lake of Como is one of the most delightful regions of Italy, the climate being mild and genial, the soil productive iu fruits and regctables, and the conntry studded with thriving villages, with fine villas and mansions. Among the latter may bo uentioued tho Villa d'Este, in which Quecn Carolino of England long resided, and on the east bank, near the pretty village of Torno, the villa called Pliniann, on acconnt of the intermittent spring which Pliny the natnralist (ii. 103) describes, and which continues to exhibit tho สamo phenomena: these are described also, thongh with some discrepancy, by the younger Pliny (iv. 30). Ou the promontory which divides the two branches of Lecco nud Como, is Bellagio, where Pliny's seat, which he called 'Comsedia,' is believed by somo to have been, on account of the gay appearance of the landscape. His other villa, which he calls ' 'ragredia,' was probably at Lenno, on tho west bank, where the landscape is wild and stern. The most northern part of the provinco includes tho lower heights of the Alps, which are covered gencrally with forests of larch, fir, birch, oak, and chestnut; while the slopes and valleys are covered with pasture. Thesonthern declivitics of the mountains aro formed into terraccs, and cnltivated with great labonr. At Bellagio also is the Villa Melzi, once inhabited by the vice-president of tho Italian republic iu the first ycars of Bonaparte's dominion. Farther north on thic east bank is a fine cascadc, called Fiume di Latte, with a glass manufactory near it; next comes Varena, in a sheltercd warm sitnation, whero the olive, vine, sud orange and lemon trecs, and other southern plants are seeu thriving. Higher up on the same side is Bellano, at the entrance of the Val Sassina; a district subject to very cold winds from the Alpe. $\Lambda$ wild romantic spot in this neighbourhood, whero the stream Piovorua forms a cascade among
the rucke, la called L'Orrido di Bellano. Farther north is Colico, whence the high-road of the Stelvio began, but it is now continuod as far es Lecco. A branch road strikes off to the left near Culico, leading by Chiarenna to the pass of the Splugen. On the weat Hhore are Douaso, where the steam-boat from Como otops; Gravodona, a large village ( 3200 inbabitants), with the vast marble palace of the dukes d'Alvito; Dongo, with its iron mines and work; the cantle of Blumo, cut in the rock, where the Condottiere (ian Giacomo Medici of Milan, brother of Pope Pine IV., defended himeclf for eight monthn against all the foree of Francesco Sforza II., duke of Milan, whom ho obliged at last to grant him 35,000 gold sequilun, and a full amnesty, in 1582 Ncar 3luseo nre quarries of white marble, of which the cathedral of Como is built. Lower down are Crenna, IRezzonico (13hotionicum), and Menngio, another large villege, whence a romed leads over the monntaius to Porlewes, on the northextremity of the Lago di Lugano, which here protrudee into the province of Como.

In the triangle formed by the two south branches of the lele are two ranges of hills, one parallel to each branch, botlo mecting in the promontory on which Hellagio stands. Between these manges is the valley called Assina, in which the river Lambro, a feerler of the Po, has its source; here also are the town of Asso, the little lake of Sagrino, and the two villages of Castel Blarte and I'roserpio. At the south entrance of the valley stands the little town of lirbs, in the middle of a plain encircled by billa, the southernmost of which form the group known by the name of Colline di Brianza, which extend between the Lambro and the Adda, and on the borders of the two provinces of Como and Milan, to within a few miles of Monza. These are the nearest bills to Milan, and the favourite resort of the wealthy Milance in the summer and autumn. Anong them are many mansions, conntry-houses, gardens, and cheerful villages. This distriet produces excellent wine, of which that of Mlont' Urobio (a village which perpetuates the name of the Orobii, the most ancient inhabitants of this region) is the beet ; but it is not carefully enongh prepared to bo fit for exprotation. Here and in all the sonthern part of the province, extending from the Ailda to the upper valley of the Olone and the Lsgo Miggione, the culture of the white mulberry-tree and the rearing of ailk.worm form $\&$ most important branch of industry; aud nowhere is the jreparation of raw silk for manufacturing use better understworl then bere. In the envirous of the eity of Como there are great pineforents. The eypress flourimhes in mauy parta of the province. The roarls are good, sa they ore in all Austrian ltaly. There is a branch railrod frout Como to Milan through Monza.

The wentern part of the proviuce of Como consists of the distriet of Vareme and the east conat of the Lago Maggiore. larese in a buntling town with above 8000 inhabitants and meveral silk factorica. It standen near the littlo lake of V'arose, in a fine hilly country, where some of the beut silk in Lomberdy is prodnced. The lake is about five miles long and two milen wisle at its greatest breadth. This is another favourite Ilace of resort with the Milanese, and is full of handsome country-houses. On a steep hill north of Varese is the sanctuary of La Bladonna del Monte, to which the country people resort in the month of Septenber. A ruad leads from Varese to Laveno, whence hoats croas over the Lago Maggiore to Pallanza in liedmout. On the Como side of the lake in Luvimo, near the river Trean, an ontlet of the Lake of Lagano iuto the Lago Msgglore The rlistrict of Cuvio, or Valcurio, not far frum Luvino, has been drained of an extensive marsh. To the cant of Valcuvio, and separated from it by a range of hilla, is Viconago, on the west bank of the Lake of Lugano, which on this side tunches the province of Como, and where are lead nnines and works. Towerda the 3lilanese the hills grarlually sink, and the sunthern verge of the province of Como inerges into the great plain of Lomblardy. The districta of Tradate and Appiano are aituated at this enel.

The province of Como in well cultivated; lt produce corn, wine, fruit, and wilk The lake akrounds with fish, eapecially of the tront oprecien The people aro Industrious, and elenentary education is very widely difused arnong them. A grent number of young men from the mountain dintricti eunigrato in queat of employment; many follow the trale of masons and lapldarisa as in ancient times, when, under the Loolmrd Kluga, manter-mamons in Upper Italy were generally atyled 'sagistri Cobnaceni;' othern go to various countries as ped. lars, carryiug barometers, apectaclem, looking-glagees, do. which sre manufact uryl at Como.

The proviace of Como in divided into 26 districts and 528 communes. In each commune there is at least one elemontary school; and there are alro eeveral holiday schouk, charitable found ations, and prirate achools authorined by the geverminent. The aivil, erinionl, and conumercial courta for the whole province are held at Como.
Ihoiden the capilal, Coxn, which is noticed in the next article, there are hardy any phaes In the provluce rlewerving of apecinl notice. The villagee are numeroua, lont their propulation in seldom above 3000 , and in many cace it is not moneh as 1000 . The following however may be here given :- Lacco , ahont 17 miles ki from Como, at the point where the Adda energes from the Lagu di Lecoo, han abrout 5000 inhabitantn, who manufacture silt, cotton, and weollen stuffis. Mariano, 10 miles SK.F. from Como, has about 4000 inlabitanta

CUSIO, the capital of the provluce of Comoln Itely, is situeted at the mouth-went extremity of the lake of Come, murrounded by bill ou which
aro sereral old castlen, in $45^{\circ} 48^{\prime} \mathrm{N} . \operatorname{lnt}, 8^{\circ} 6^{\prime} \mathrm{F}$. long., 22 millea N . by W. from Mlilan, and has a population of 20,000 , including its nine anburbm. The railway to Milan (28 miles in length) commences at Camerlata, about a mile south of the town. I'le city of Como is surrounded by old walls Anaked with towers and pierced by Iufty gatoways, which are rewarkably fine speciuneas of the military architocture of the niddleagea. '1"he stroets are wide and regular, and the housos well built; a harbour in formod in the lake by two piern, each termlaating in a squaro parilion, the viow from which over the tranalucent Waters of the lake, and the bright cheorful scomory along its shores, is peculiarly intereating. The suburb of Vico, to the north of tho town, sboukds with pleasant walke and villas; annong the latter the Vills Odescalchi is the mont spleudid. The suburb called l3orgo di San Augustino is the manufacturing quarter of Como. Como gives titla to a bishop.

Among the twelve churches of the city, almost all of which are decoraterl with fine paintings, the cathedral is the most colebrated This very beautiful building was commenced in 1396 , but the cupola or dome was not completed till 1732. In a work so long in construction it might be expected that different atyles and tautes might be exlibited, but this is not the case ; the building belongs to the I talian gothic, and it is surpassed only by the Duomo of Milan and the Certom of I'avia The edifice was built cntirely by the voluntary contributions of the townspeople, and is a noble monument of their piety. The exterior is cased with white marble. '1'le pilasters and other portions of tlio fagade are eovered with eurious religious symbols in bas-relief-the fountain, the vine, the lily, the churel upon a hill. In the arch above the portal is ropresented the Adoration of the Magi in large bas-reliefs. IBut the most remarkable orwaments of the fsçado are statues of Pliny the Elder and his son, who ane claimed by the Comaschi as 'fellow citizens,' and are enthroned nuder ormomental cauopies. The lateral fronts are also richly and tastefully ornamented ; the doorweys perticularly are admired for the delicacy and fintish of thoir sculptmen end carring. The interior is spacious, and has a very imposing effect. It is lighted through stainel-glass windows. The groining of the rault is painted and gilt. The numerous altars and other parts of the building are adorned with veluable paintings. The baptistry is attributed to Bramante. The cathedral lats two fino organs. Adjoining the cathedral is the Broletto, or town-hall, which is constructed with red and white merble in altermate courses. This building, completed in 1215, consists of a loggin upon open pointed arches, with a floor ebove lighted througlı lerge, round-arched windows, the central one of which is projected, and from this spot the nembers of the municipality of Como used in the olden times to addrass the parliament or nesembled democracy. This building is surmonnted by a belfry tower.

Como has an inperial and royal lyceum, the front of which is adorned with busts of the wortlics of Como; it contains a good library, reading-roums, a collection of uatural history, a chemical laboratory, \&c., and is a handsome bnilding. There aro besides in tho city a gymansium, a diocesans school for theological studemis, - college for boarders ealled Gallio, aud an institution for female education under the direction of the nun of St. Francis de Sales. The church of S. Fedele is still older than the cathedral; both this chureh and that of S. Abondio, which contains the tombs of several bishops of Como, date from the time of the Lombard kings. Tliey are both remerkable for their rude ormaneutatiou-serpents, griftima, lions, \&c. The interiors of both have been somewhat moderaised. The palace of the Giovio fanily, called Aides Jovire, has a collection of runcieut inseriptions placed unkler its portico and round the court. The theatre in nlso a handsome building with a good fugate; it stands upon the site of the old castle, and euljoins the lycenm. On a hill ahove Camerlata, near the road to Milen, is the old tower Del Bamklello in which Napoleone della Torre, the popular chief and lord of Milau, belng defeaterl by hle rival Ottone Visconti in 127\%, was shut np in an iron cage, in which he clied after nhetren months' confine. inent. Como is the native country of the two Plays; of Inolo Giovio, and his far more worthy bruther IBenerletto Giovlo, the historins of Como, whose nonument is in the cathedral ; of I'inzzi, the astronomer ; of Pope Innocent XI. ; and of Aleasandro Volta, the great dincoverer in eluctricity, to whou astatne by Marchoni is ereeted in the Piazza Volte

Comum is maid to have been built by the Orobii, the oldest known Inhabitants of the country. It was afterwards ocoupied by the Gauls witlı the rent of Inanbrin. In the year a.c. 106 M. C. Marcellna, having defosted the Iboii and the lnanbrea, oceupied Comum. The [lace was afterwards ravaged by the lisetiana. C. I'ompeius Strabo, father of the great I'ompey, went a colony to Comum; nad Cowar is mid to have sent a fresh colony, among whom were 500 Grecks of distinguisher fanilics. It then abumed the name of Novum Comum. After the fall of the empire Como passed under the Gothes, Longolarels, and Frankn, and lecoarae at last an ixdependent municipal community. It was one of the chlef town of the Ghibelince In Lombardy, and as such quarrelled repeaterlly with the Milanese, who took it after a long siegc, and burnt it in 1127 . It was afterwards gradually rebuilt where it now manda

Come has several considerable manufnctories of cilks, cottons, woollens, and soar.

COMORN, or KOMORN, a royal free town and fortress in Hungary, is situated at the eastern extremity of the island of Schiitt, opposite the eflux of the Waag into the Danube, in $47^{\circ} 45^{\prime} \mathrm{N}$. lat., $18^{\circ} 8^{\prime}$ E. long., and has about 20,000 inhabitants. The town is irregularly huilt, and the streets are dark and narrow; but it is well situated for trade, which it carries on to a great extent in grain, honey, wine, timber, and fish. It contains four Roman Catholic churches, of which that of St. Andrew is of cousiderahle dimensions, two places of Protestant worship, a Greek church, and a synagogue; a councilhouse, town-hall, Roman Catholic and Protestant gymnasium, grammar school for the citizens, and an hospital. To the east of the town, and at the point where the Wasg and Danube form a junction, stands the maiden fortress of Comorn, which is defended by extensive works and têtes-de-pont on both banks of the Danube; it was founded by Mathias Corvinus, and has heen re-built and rendered one of the strongest places in Enrope by the additional fortifications erected since $1 \$ 05$. The towu itself is included within the modern defences. The Danube is crossed at this spot by a hridge of boats. Comorn became celebrated towards the close of the Huygarian insurrection for its defence against the Austrians. Its surrender or capitnlation to the Austrians on the 23 th of September, 1849, put an end to the insurrection.
COMORO ISLES, a group of four islands in the Mozambique Channel, between Africa and the north-west const of Madagascar. Comoro, the largest of them, is about 30 miles long, and 12 milcs broad. Fat bullocks, sheep, and goats are cheap; oranges, lemons, and plantains abundant. No spring-water is to be had on this island, which is seldom wlsited by Europeans. There is \& large town with a landing-place for boats on the east side of it. Mohilla, the smallest of the group, is about 30 miles S.E. hy S. from Comoro; it contains several villages, and ahundant supplies of watcr and provisions. The coast is dangerous on account of the reefs snd the surf; hut there are two tolerable anchorages. Mayolla, the most southern of the islands, is entirely surrounded with reefs; provisions and water can be had, but there is danger in attempting to land. This island lans been held by France siuce 1841. Johanna, or Anzouan, or Hinzuan is the best known of the group, having heen long frequented by European ships for the purpose of getting provisious on the outward royago to India. At the town of Machadou on the coast there is good anchorage; and water aud other provisions may be obtaiued. The island has 12,000 inhabitants, who trade iu slaves and the produce of the island with the coast of Arabia, from which they carry back Indian piece-goods and other commodities. Small fat bullocks, poultry, rice, yama, swoet potatocs, pine-apples, oranges, guavas, and other fruits are given to ships' crews in barter for red and blue cloth, apparel, naila, iron, razors, knives, beads, looking-glasses, muskcts, cutlasses, gunpowder, fliuta, \&c. The sultan of the ishnds resides at Machadou, which lias 3000 iuhabitants. The population of the islands is said to bo diminishing in consequence of the incursions of pirates from Madarascar, who carry tho people away iuto slavery. Tho group is of volcanic origin, and contains several peaked mouutains, one of which in Johanna is 6000 feet high. Eiscept on these summits tho soil is very fertile. (Sir W. Joues; Horsburg, Directory: Macgregor, Statistics; Balhi, Geographie.)
COMPIEGNE, a ehicf town of arrondisement in France, in the depertment of Oisc, is situated on the lcft bank of the river Oise, just below its junction with the Aisne, 36 miles E. from Beauvais, and has 8986 inhabitants, including the whole commune. It is a first class station on tho railroad from Paris to St.-Quentin, from which it is distant 65 and 46 miles respectively. The St.-Quentin liue leares the Northern-of-France railway at the Creil junction, 23 miles S.W. from Compierne. The town is ancient; most of the streets are ill. huilt; and there are few good houses except in the neighbourhood of the palace and the Ituo St.-Corneille. The churches of St.-Jacques and St-Antoine, and the town-houso are fine huildings, and remarkable for their sculptured decorations; the new theatre aud the bridge over the Oise are handsome structures. But the edifice which renders Compiegne emiucntly worthy of being visited is the magnificent palace huilt here by Louis XV., secording to the designs of the architect Gabriel. It is surroundcd by extensive gardens, rdjoining which is a forest contalning 37,000 acres. This palace was the residcuce of Charles IV. of Spain and his qucen, during the first part of their captivity in France. Here Napolcon and Maria Louisa, archduchess of Austria, first met on occasion of their marringe in 1810. The present emperor of France, Napoleou III., occasionally visits Compiègne. The palace has electro-telcgraphie communication with Paris Hosiory, cotton-yarn, and ropes are madc, and boats for the navigation of the Oise are huilt in the town. There is a considerable trade carried on in corn and wood. The town has a collcge, a tribunal of first instance, and a public librnry.

Compierne originated in a hunting seat called Palatium, crected and mich frequented by the early kings of France. Charles the Bald gave the town the uarne of Carlopolis, and founded there the abbey of St.-Corneille. Clothaire I. dicd hers in A.D. 561. A parliarnent was held in Compiegne in 757. Louis le Debonnaire here surrondered (830) to his son Lothaire. In 877 Louis le Bcgue was crowned at Compiegne, where ho also died and was huried. Carloman assembled the nobles of France at Compiegne in 884 to devise measures to check
the ravages of the Northmen; and at a parliament held here in 888 , composed of the bishops and grandees of Fiance, Eudes count of Paris was chosen king. Louis V., the last king of the second race, was crowned and died at Compiegne. At a geueral assembly convoked at Compiegne in 1022, Hugues, the eldest of the sons of Kobert, was raised to the crown in conjunction with his father. The town obtained a charter in 1322. In the wars hetween the Bourgignons aud the Armagnacs, Compiegne was seized hy the former; but they were forced to surrender in 1414 to Charles VI., who held it till 1417, wheu the English and the Bourgignons entered the town without resistance. The town afterwards opened its gates to Charles VII., who was hesieged in it hy the English. It was in a sally from Compiegne upon this occasion that Jeanne d'Arc was taken prisoner.

COMPLUTUM. [Alcalá de Henares.]
COMPOSTELLA. [Galicia.]
COMPTON, LONG. [WARWICKSHIRE.]
COMRIF. [Pertashine.]
COMTAT D'AVIGNON, LE, a county in France, which originally extended along the Rhône and the Durauce flom the city of Aviguon, which it included, to the town of Tarascon. A portion of this territory, subject to the Pope from 1348 to 1791 , comprised only the city of Aviguon, the village of Morieres, and the parish of Montfavet. The Comat d'Avignon in this restricted sense is now included in the department of Vancluse.

COMTAT VENAISSIN, LE, a small provinee in Provence, which hefore the first French revolution formed with the county of Aviguon an independent state, the sovereiguty of which was vested in the Popc. It took its name from Veuasque (Vindiscina), now a poor village but formerly an important town, which was its capital, aud gave title to a bishop till the 11 th century. This county formed part of the kingdom of Arles, and subsequently of the marquisate of Provencc. In 1225 it fell to the count of Toulouse, in whose family it remained till 1229, when Raymond VII. signed a treaty in Paris ccding all the territories ho possessed to the east of the Rhône to the Holy See. Gregory IX., then pope, renounced the grant in favour of the count ; hut Gregory X., after the estates of the couuts of Toulouso fell by succession to Philippe le Hsrdi, king of France, insisted upon the fulfilment of the treaty, and Philippe made over the tciritory in question to the Pope in April, 1274. By a decree of September 14, 1791, the county was re-united to France, aud it now forms abont two-thirds of the department of Vaucluse. From the time of Frauçois I. the inhabitants of the couuty were considered as Frenchmen.
The capital of the county whilst it was under the Holy See was Carpentras ; other towns were Valréas, Cavaillou, aud Vaison. Tho county was governcd by an officer called Recteur, who was assisted by a general asscmbly, which met every year at Carpentras. The Roman law and the Pspal constitutions were in force in the country whilst it was subject to the lope. [Vaucluse.]

CONCAN, NORTH AND SOUTH, a maritime district of Hindustau in the Bombay presidency, extending from the sea to tho Westeru Ghaut Mountains, which form its eastern boundary. Its leugth from north to sonth is about 220 milcs; its breadth in no part exceeds 50 miles, and on the avcrage is 35 miles. The entire srea is estimated at 12,270 square miles. The district includes many fertile places, which yield abuudant harvests of rice: sugar, spices, cocoa-nuts, and hemp are also produced; but the surface is in general very rough, and much intersected by stcep and roeky hills. The mountain rango is from 2000 to 4000 feet high, aud exceedingly abrupt on the wcst: the passes are numerous but steep, and very seldon practicable for carriages. The northem part of the chaiu of ghauts and that part of this district which lies at the base is inhabited chiefly hy Bheels. More to the south the country is iuhabited by Coolies, who are less predatory in their habits and altogether moro civilised than the Bheels. The Bheels live quictly when in the open country, but resume all their wildness in places that are strong either from hills or jungle. They are small of stature and black; they wear fow clothes, and are usually armed with bows and arrows.

The Northern Concan, which exteuds from the district of Surat on the north, or about $20^{\circ} 20^{\prime}$ to about $18^{\circ} 50^{\prime} \mathrm{N}$. lat., was cedcd to the British in 1817 ; and the Southern Concan, which extends farther in the same direction to about $16^{\circ} \mathrm{N}$. lat., was obtained partly hy cession aud partly hy conquest in 1817 aud 1818. A grcat part of the Northeru Concan was ouce held by the Portuguese, who divided the lands into large cstates. These cstates were given to liuropeans, whose opulence is proved hy the remains of many splendid public buildings and private dwellings which they erected, some of which are still standing iu places which are now mere wastes. The district is traversed by numerous mountain streams, but has no river of magnitude. It coutains along tho coast many small bays and harbours. The land and sea breezcs hlow altcrnatcly during the 24 hours. The Northern Coucan is divided into 46 perguunahs, containing 2111 villages. The Southorn Coucau comprises 47 jergunuahs and 2291 villages. The wholo population is estimated at lather moro than a milliou. Fivesixths of the inhabitauts are Hindoos. The ronds throughout the district are Iittle more than paths, excepting near tho sea-coast, where, at some of the more difficult aud precipitous placcs, steps of au easy ascent have been constructed, mostly at the exponse of private individuals.

CONCEIPCION. [Cumla]
CONCERTION HAY. [NEWFOLXDLAND.]
CONDF: [Calvados; Nord.]
CONDOM. [Gers]
CONDOMOIS, a distriet in the south of France, wan a if pondency according to some of Ciascogne, to othern of Guiemne. It was bounded N. by Agenoik, of which it origimally formed mart; S. by Armagnac; nod F. by the Lomague. The eapital was Condom: othor towns were Néme and Gabarret. Condomois now forma the most northern part of the departinent of Coms, the most nonthern part of Lot-et Gamane, and the most eastera part of Landos In Julins Casar's time the territory of Condomois was inhnbited by tho Nitobriges, and was ineluded in Aquitania From the llomnns it passed to tho Visigoths, and suleequently to the duke of Craveogne and Guicme. In the reigu of Charles Vill. it was united to the crown of France aloug with the Rovelelais and the rent of Guieme.
CONGLETON, Cheshire, a market-town, munieipal borongh, nud tho sent of a Poor-Law. Uniou, in the parish of Astbary and humired of Northwich, is situated in $5: 1^{\circ} 10^{\circ} \mathrm{N} .1 \mathrm{ta}, 2^{\circ} 11^{\prime} \mathrm{W}$. long., distant 33 uiles 15 fron Chester, 162 uiles N.W. hy N. from Londou hy road, and 170 miles by tho North-Weatern and North Stafiordahire milways. The population of tho town of Congleton in 1851 was 10,520 . Tho lorough is governed by 6 aldermen and 18 councillors, one of whon is mayor. The living is a perpetual enracy in the archdeacoury nand diocese of Chester. Congloton Poor-Law Union contains 32 parishes and townelips, with au nrea of 50,357 reres, rud a population in 1551 of 30,508 .

The town of Congletou is nbout a mile in length: many of the housen aro coustructed of timber frano-work rund plaster. The situation of the towu is extremely pietnresque ; it is embosoned in a icep valley ou the banks of tho river Dane, and is surromaded by fertilo fieded inclozal by well-tirebered hedgerows, which at a distanee give the appearance of a miniature forest. Numernis nansions ntand at tho west cul of the town, and havo ornamental gardens and shrubberies nttacherl. The guildhall is a commolions brick lunilding, erecten in 1504 on the site of tho old hall. The markothanll nuld nss zubly-room was erected in 1522 at the expense of Sir Li. Antrobus of Eaton Hall, Astbury. Some have supposed that the lomuns had a inilitary station at Congleton. In Domesdny Dook it appears to be written Cogleton. Frous ancicut burgh reconls it appenrs that bear-baiting was at one time a favonrito amusement with the inlasbilants.
There are threo churehes helonging to the listablishment. St. Peter'R, a plain building, neatly fitted up in the iutcrior, wab rebuilt in 1740 , with tho exception of tho tower, which was then repaired only, and lind a eloek placed iu it with funr dinls. St. Stepheu's, a neat briek edifice, will accominodate about 1000 pernous. St. Junca's is a new building in the style of the 13 th century. The Raptista, Independenta, Weeleyan, Primitive, aud New Connexion Methodistr, Unitarinns, and loman Cintholics have plaoes of worship. The Free Grammar achool, founded in 1590, had 30 echolars in 1851. There are several Natiounl nud Infant achoole, and schools eonuected with soms of the Dissenting chajelo. In the town are an Athopecum news. room and library, mad a savings bank. A county court amd petty sexions are held here.
The Macclesfold Canal jansees through Congluton. At ono period the chief mannfactures of Congleton wero gloven, und taggen leather laces calleal 'Congleton poiuts,' but for nearly a century the silk marnfacture has been tho principal oceupntion. The mahing of silt ribunde lins of late years grown into an important branels of induatry, In which females as well as males fiud cruployment. In the neighiLourhonl are nereral exteusivo coal-minca, The market-lay in Sitar rlay. Fairs aro lectd out the Thuralay beforo Slirove-tide, on May 12th, July 12 h , and November 22nd, for cattle, Yorkmiro woollen clotha, and peellery. The Congletan viaduet of the North Staffordmire mailWay, abont half a milo from the station, is a fino work of ten arelien, It is conat ructed of blao briek with stone Lautions nud stono parapect. The arelien are 50 feet in npan. Tho height from tho bed of the strenn tn the ralls is 114 feet; the length of the vinduct, cxelusire of the eminnkinente, in 231 feet

CONGO. This name, in ita most extennive application, ase explained under the worl sxGoLA, comprehends tho whole of the region lying nlong the weatern comst of Afria, which la uoro correctly dividud into the four klngiomn or diatricts of Lonngo, Congo Iroper, Angoln, and lhenguola. In thin Inrge and lonse nonke it extends from Cupe lanper Clonalro, in $0^{\circ} 14^{\prime \prime} \mathrm{S}$. lat., to Cepro Negro, in $15^{\circ} 10^{\prime} \mathrm{S}$. lat. Cougo, properly mosilel, however, at leant accurdiug to its inodenn limhls (fior fin ain to linvo lwern, moro exteuslvo formerly), dors not niretch to the morth begond the river Valre (otherwire ealled the Congon, $\ln$ about $6^{\circ} \mathrm{S}$. bat, which veprarntes it from loango, hor to tho mouth beyond the river Dando, lu $8^{\circ} 20^{\prime} \mathrm{S}$. lat, which pepmrates it from Augoln it is bellored to extend a conshdernblo distance into Hise interior, but wo have no distinet informatlon roapecting its lin. it in that direction, asxl they are probably not very defnitely inarked.

The first buropean who reached Congo was the l'ortuguemo navi gator, Diego Cam, who malo hin why thither from limmina in 1484. licgo rerlnited the country in 1490 , making hin vogage on that occasion fron I'ortugal. The fulluwing jear amother armanent artivel
from Portugal, under the command of Ray de Souza After thin the king of Cougo aud many of hin subjects made profeasions of Chrintinnity, and tho P'ortuguea forned considerable entablishments in tho country. It was in the course of the 1 th ceutury however that the most strenuous endea Yours wery madu in the work of converting the nntiver. Ample acoounta of the procealings of tho I'ortuguens minissionarios are giren in the 'Voynge' of Michel Angelo di Gattina and Dioninio Carli di l'inceuza, two Capuchin frinra, who sel out to join tho mianion in Congo io 1606; in that of (leronimo Merolla di Surrento, anothor Capuchin, who joinal the aamo minsion in 16S2; and in a work drawn up by Filippo l'igafetha from the jourrnals of 1)uarte Lopez, a l'ortuguese captrinin, about 15sy. Varioura informatim nbout tho country is given alno in l'urelha, llakluyt, and wher Einglish collections. IBut it may bo ndded, that nithough much has been written about Congo, not much is really known abont the country.

Aceonling to the ofl accounts, the native division of Conga is iutu the six proviuces of Bamla, Sogno (or Sunio), Sourli, l'nngio, laltah, and l'enda. The D'ortugucse howerer appear to havo divided the eountry into what they callen the metropolitan province of San Sisvador, the ducly of Banba, the cluchy of Sondi, tho marquiste of Pemba, and the county (or carl.loni) of Sogno, thas omitting altogether Pango and Batta, or compreheuding them under somo of tho other names. The l'ortugnese provinee of San Salvador is n part of the native province of I'emba, the marquisate of l'enba Deing tho remaiuder. It is placed along a portion of tho left hank of tho river Cuuge, immediatoly to the north-east of Sogno, which occupies the angle formed by the river and the sea-coast. In this provinee is tho capital, cnlled lanza Cougo, or 'ehief towu of Cougo.' The l'orthguose lansing established a settlement hero, gave the phace tho uame of San Salvadur. It is described as situated about 150 suiles from the sen, and about a third of that distance from the river, iu n hollow on the south-eart side of a lofty monntain, having on the summit a plain of about ton miles in circuit, which is covered with towns and villagen, The palace of the native sovercign and the Portuguese part of tho town ano each surrounded ly an inclosure of about a nile iu circumferenco; but the suburbs of the I'ortugnese town aro described as also of considerable extent. The principal ornameuts of San Salvador were -a cathedial and nine or ten other churchea, all built of stono, although, with the exeeption of that of tho Jesuits, roofed ouly with thatell. The religious cstablishunent consisted of a bishop and elapter, a Jesuits college, a couvent of Capuchins, sc. It appears however that eveu befirn the eud of the 17 th century the ravages of war lad almost ruined San Salvador, nud the uative sovereign lind trung fered his residence to nother place, called Lemba, in the province of hamba, and neaver the sen const.
The Congo liver was formerly smpposel to be tho ombouchure of the Niger; but long before this point was settled, tho somudeat geographers wero of a different opinion, although Captain I'vekerg expen dition (of which a 'Namatiro' was pullished in Lomlon in 1818), was modertaken with tho view of nseertaining the uather; nud in the official necount of tho voyage tho idcustity of the two rivers is clalsorately contended for" by a writer who declares that "tho hywothesin which makes tho Niger to pour its wates into the Gulf of lienin in entitled to very little atteation." Tho Congo is not properly called the Zaire, it scems, as Dirgo Cam was lud to suppose (that being inerely a word aigniffing any grent river), but the Moienzi liuzatli, which menns the river that awallows mpll ather rivers The ohl necomats represent the velocity with which it rushed into the gea to be se great that it preserves ilis strenus maffectel by the salt water for tweuty leagues or more. 'Dhis doseription Captuin Thekey foum renson to believe considerably exaggerater. $1 t$ had becu usually stated that tho Congo was always full of water: lut whon ho entered it, in the begiming of July, he foumd it from eight to eleven fet lower than tho point which from the marhs en the rocky banks it appeased tos have reacherl at other beasons. The tide also was rery perveptible at 140 miles un the river: The velocity of the enrent at the mouth of the river was fomm nowhero to execed $4 \frac{1}{2}$ or 5 hnots nn hour, and in many places it was not more than 2!. The ace onnts of some preceling nnvigators make it flow at the rate of six or seveu knots; and mo it very possibly may do when the elamel is more full of water: The depth however in tho middle of the streun here was very great, no bottom having been fonnd with a line of 160 fathoms; so that when tho river Is at high flooll the mase of water whieh it jours forth must los inmenso. Ita breadth for somo dintauce from tho een is not lems than five or aix miles; it is then diviled lyy a munber of ishands into several streams: at tho dintanee of 140 milos from the mouth tho "Nirrows " commence, and continuo for about 40 miles, chriug which it forecs its why letween two opposito barriers of stoop rooks, mot more than from 300 to 500 yards asunder. Mnuy ledgen of rocks stretely aeros thim part of the river, tho mout furunidable of which howerer, callenl tho Cirent Yellnha, or Catarnet, lias a fall of ouly ubout 30 feet in 300 yarle, and would be more appropriately designated by the term "Majin.". Above tho Narrows, which terminato at a place called Inga, the river expmuds in a brealth of two, three, and even feur miles. Tackey ancended it for abrout 100 miles bryoud this point, and ho was amured liy the nativen that after this thero was no inpledimeut to ite continued unvigution for a grent listance. Its direction,
according to their account, continued to be nearly in astraight line tomards tho north-east; and Tuckey appears to have felt convinced that it must have its source in some vast lake or chain of lakes several degrees to the north of the equator. Much surprise was experienced at finding that it did not receive the water of any other stream in the whole distance along which the survey extended. The old delineations of the river, it is to be observed, also represent it as without any tribntaries in this part of its course; but they make numerous rivers to flow into it higher up. Tho torrents that pour down in the rainy season however, through the ravines between the hills on both sides of it, probably bring it a considerable supply. Iu the lower part of its course the Congo spreads out into extensive swamps, which are covered with mangrove and palm-trees, as are also the islets by which it is here interrupted; above the swampy region, hills, nono of which much cxceed 2000 feet, rise at a short distance from the channel. Up to the great Yellala these hills are stony and nearly barren, and the rocks at the Narrows are composed of masses of inicaceous slate; but beyond this point the rocks are of limestone, and the country is described as fertile and beautiful. Even below this however, between the hills and the water, vegetation is in many psits very luxuriant, and numerons villages are to be seen both in the hollows and even on the flat summits of the mountains. The old maps make five or six smaller rivers fall into the sea between tho Congo and the Dando.

The climate is hot and unhealthy along the coast, but temperate and salubrious in the interior. The range of the thermometer in the period of a month during Captain Tuckey's survey, from about the middle of July to the middle of August, was never below $60^{\circ}$ during the night, nor above $80^{\circ}$ during the day; the common noon-day heat was $76^{\circ}$. Among the vegetable products (for many of which the patires must have been indebted to the Portuguese) are mandioc or cassara, yams, maize, sweet potatoes, pumpkins, millet, calnvanses, cabbagea, spinach, pepper, capsicurn, the sugar-cane, and tobacco. Of fruits they have the banana, the papaw, the orange, the lime, and the pine-apple, which last Captain Tuckey found growing in the open places at tho extreme point to which he penetrated. Wine is made from the juice of the palm-tree, which is described as an agreeable and a wholesome drink. Of domestic animals there are goats, hogs, fowls, ducks, and pigeons, as well as a few hairy sheep. There are also some horned cattle. Of wild animals, tho country abounds with elephants, leopards, lions, buffaloes, large monkoys, antelopes, wild hogs, \&c. Guinen fowl and red-legged partridges are abundant, large, and fine; and wild pigeons, of three or four species, very plentiful. Beesare in great numbers; the dea and the bug were the ouly insects that were found troublesome. The lower part of the river Congo abounds in different species of fish, which form an important part of the subsistence of the people; it also, especially above the Narrows, swarms with hippopotami and crocodiles.

The native sorereign of Congo resides at Danza Congo, six days' journey southward from the river. Under the king are the Chonoos. "The Chenooships," says Captain Tuckey, "improperly named kingdoms by Europeans, are hereditary fiefa, passing in the female line, that is, on the decease of the Chenoo the succession instead of passing to his son goes to his brother, or uterine uncle or cousiu." Of the inferior officers, the chief is the Mafook, or collector of the customs, who is generally qualified to act as an interpreter to the European visiters of the coast. These functionaries used to amass considerable wealth by giving their services as agents to the slave traders who formerly resorted to Congo. A place callod Embomma, on the north bank of the river, and about 50 miles from its mouth, was the great slave mart.

Tho natives of Congo cultivate regularly two crops of Indiau corn in the year. Rights of property are well understoorl among them. But their houses are mere huts constructed of a few posts stuck in the ground and interwoven with reeds; and they go naked, with the ezception of a small apron, generally of grass-matting, tied round their loins. They tattoo their bodies and file away the two upper front teeth. They seem to bc n tinid and unwarlike race, and both their inlolence and their sensuality arc extremc. Their women are their drudges in all kinds of laborious work, and, not excepting the sistera, daughters, and wives of the highest personages, are esgerly offered by them for a trifle to a white man of any grade. Their seuse of the whites being a race of beings altogether distinct from themselves seems to be complete. They scarcely appear to have gained a step towards civilisation by their intercourse with the Portugucse.

The language of Congo, which is a dinlect of that of Angola, Bengueln, and the other neighbonring districts, is (it is said) radically tho sams as that sproken by the natives of the east coast of Africa. This was first noticed by Mr. Marsden (author of the 'History of Sumatra,') and the statement is corroborated by the lists of Congo words collecterl by Captain Tuckey.

CONI, properly CUNEO, an aclministrative division of Piedmont, is bounded N. by the divisiou of Turin, E. by that of Alcssandria, S.E., S., and W. by the Apennines and the Maritimo Alps, which eeparate it from Genova, Nizza (Nice), and France. lts greatest lejigth from east to wust is 69 miles, from north to south 58 miles. Tho area in 2710 anare miles, and the population in 1848 amounted to $600,8 \% 2$. Tho surface presents mountain rirlges aplinging from the

Alps and Apennines, all converging to the basin of the Po, and inclosing valleys of great fertility, which yield corn, maize, wine, silk, pulse, hemp, and fruits. The white mulberry-tree is cultivated with great care and success for the rearing of silk-worms, which gives profitable employment to great numbers of the peasantry. The lower slopes of the mountains are covered with forests of chestnut; aud their higher parts afford abundaut summer pastures, on which great numbers of cattle are fed. Iron, lead, marble, slates, mineral salt, \&cc., are found.

The rivers are numerous. They are all tributaries of the Po, which, rising from the eastern side of Monte Viso, flows east to within a short distance of the town of Saluzzo ; it then turns north-east and enters the province of Torino or Turin. The Vraita flows east from the Maritime Alps as far as Castigliole, whence it turns north, and euters the Po ou the right bank, a little above Carmagnola. The Maira rises also in the Maritime Alps, and flows in a direction parallel to that of the Vraita, aud enters the Po about 2 miles nearer Carmagnola. The bext river to the south is the Stura, which flows parallel to the preceding as far as Fossano, where it turns north-north-east, and enters the Tanaro on the left bank near Cherasco; its principal aftluent is the Vermegnana or Gesso, which enters it on the right bank below Cuneo. The Tanaro, rising in the Maritime Alps a little east of the Col-di-Tende, flows nearly due north at a little distance west of an offshoot from the main chain as far as Cherasco, where it passes through a gap to the eastern side of the ridge, passing the towns of Alba and Asti ; from the latter it runs cast to a little below Alessandria, near which it receives from the Apennines the Belbo and the Bormida increased by the Orba from the right bank, aud then turning north-east enters the Po about 7 miles north of Marengo. From Asti the Tanaro is navigable for barges, but with some difficulty, owing to the rapidity of the stream at some points. A milway runs fiom Turin through Savigliano to Fossano in the administrative division of Cunco. The line will probably be continued to Cuneo.
Tho division of Cuneo consists of four provinces, which, with tho area, mandamenti, and population of cach, are as follows:-

| Provinces. | Area in sq. miles. | Mandamenti. | Population In 1848. |  |
| :--- | :---: | :---: | :---: | :---: |
| Cuneo | . | 1008 | 18 | 179,636 |
| Alba | . | 408 | 12 | 118,844 |
| Mondovi | $\therefore$. | 679 | 18 | 148,450 |
| Saluzzo | . | 620 | 14 | 153,912 |
| Total . | . | 2710 | 62 | 600,872 |

The Province of Cuneo contains 67 comuni, and occupies the southwestern portion of the division. The chief town is Cunco, which stands on the right bank of the Stura, 47 miles S . from Turin, and has, including the garrison, about 20,000 inhabitants. It is the seat of a bishop, and the residence of the intendant-general of the whole division ; is well built, and has a cathedral and several other churches, a royal college, town-hall, theatre, and public baths. It is a busy place, aud has cloth and silk factories, and a considerable trade iu the produco of the country by means of the canal joining the Stura and the Po, which runs from this town to Carmaguola The city was strongly fortified in 1800 ; its defences were dismantled by the French after the battlo of Marengo. It is still however inclosed by a wall. Busca, on the left bank of the Maira, stands at the foot of a hill, in a rich wine district, and has 9000 inhabitants. Boves, S . of Cunco, at the foot of mountains iu which iron mines and marble quarries are workod, has 8709 inhabitants. Caraglio, 6 miles W. from Cunco, has a college, some silk manufactures, and a population of 7000 . Chiusa, on tho left of the Pesio, a feeder of the T'anaro, has 5800 inhabitants, who manufacture silk and glass. Demone, a fortified town, 15 miles W.S. W. form Cuueo, on the left bank of the Stura, has a population of 6956, including the whole commuue. The town is defended by a strong fortress which commands the valley of the Stura and road to Frauco by the Col-d'Argentière. The fort was taken by tho French and Spaniards in 1744, and destroyed on their retreat from Cunco. It has been since rebuilt. Dronero, 10 miles W.N.W from Cuneo, on the Maira, which is here crossed by a handsome bridge, has a college, and a population of 7716. Fossano, on the left bank of the Stura, 15 miles N.N.E. from Cuneo, 37 S . by E. by railway from I'urin, is a wellbuilt town, with a royal collegc, a haudsome cathodral, silk factories, paper-mills, and tanneries. Tho town, which is inclosed by old walls, stands on a hill, the summit of which is surmounted by an old castle. The streets aro rather gloomy, the bouses being built over arcades, which form the footways. It is the scat of a bishop, and has 16,041 inhabitants, who trade in corn, liemp, and cattle. Limone, at the foot of the Col-di-Tende, and near the sourco of the Vermegnana, has 3500 inhabitants, who aro employed as guides, and in keeping in repair the terwaced rouds over the neighbouring mountains. Peveragno: population, 6080.
The Province of Allur, before described, occupies the north-eastern part of the division, sud contains 77 comuni. [ALba.]

The P'rorince of Mondori lics enst of that of Cuneo, south of Alba, and contains 71 comuni. Thbo chicf town, Mondori, stands on the Ellcro, a feeder of the Tranaro, 50 miles S.S.E. from Turiu, aud has 15,921 inhabitants. It is defended ly walls and a strong castle,
aEOG. DIV. VaI. II.
contains everal fino churchos, occlexinstical and royal collegea, and has manufactures of silks, woollens, leather, Iron, cotton, laper, anul lats. The town gives title to a biahop. The Freneh undur Napoleon horo rovted the Sandinians, April 22, 1700 ; and Marshal Suult macked the town lin 1709. Cherasco, a wrilled town at the confluence of the Stura and Tanaro, 30 milles S.S.F. frou Turin, has a colloge, two hospitals, and $\$ 823$ inhabitanta, who trade chielly ln wine aud silk. The town is well built and contains several fine buildings: it is quadrangular in form, and is supposed to occupy an anclent site. Fach of the principal streets termintes in a noble arch. Cherasco is supplies] with water by a canal, whioh driven the machinery of neveral sillfactorice. The neighbourhool of tho town in famons for its white truffer. The chief towns of the other mandaneuti hare populations under 5000

The Province of Calusso ocenpios the north-wentern part of the division, and contains 52 comuni. The capital, Seluzo, 81 miles from Turin, stands on the northern slope of a ridge that projects from Monte Viso, and separates the waters of the l'o from those of the Vralta It is a largo episcopal tomn, sud coutains an old castlo formerly belonging to the marquises of Salnzzo, but now used as a prison; handsome cathedral, sercral other churches, a royal college, an hospital, and 14,420 inhabitanta, who trade in the produce of the conntry, and raanufacture silk, leather, hats, linen, and iron. The part of the town built on the hill is walled; the lower town is opet. Saluzzo was the capital of the department of Sturn during the Freach occupatlon of ltaly. Racconigi, a pretty town near the confluence of the Grana and the Msirn, is situnted in the most fertile part of Piodmont, and has 10,102 inlanbitants. Here is the palace of tho Prince of Carignan, situnted in a fine park lancconigi is a station on the railroad to Fosmano, and is 23 miles distant from Turin. Savigliano, east of Saluzzo, and 32 miles $S$. from Turin, stands $\ln$ a fertile plain watered by the Mairn and other feeders of the Po, and has I 5,546 inhabitanta. It is a well-built town, and has a fine market-place, several handsome churehes (one of which is colleginte), two hospitals, and silk, linen, and eloth factories At the end of tho principal strect a trinmphal arch is erected in honour of the unarriage of Victor Amadcus with the princess Christine of France. This is a favourite place of residence with the provincial nobility and landed proprictore It is surrounded by old fortifications. There aro seversl other towns, but none of them Ihare a population exceeding 5000 .

CONE, LOUGH. [Maro.]
CONNABARA. [GALWAY.]
CONNAUCIIT, a province of Ireland, containing the counties of Galway, Mayo, Roscommon, Leitrim, and Sligo. It lies between $52^{\circ} 62^{\prime}$ and $54^{\circ} 25^{\prime} \mathrm{N}$. lat., $7^{\circ} 33^{\prime}$ and $10^{\circ} 15^{\prime} \mathrm{W}$. long. The latitude is about that of Yorkshire and Lincolnshiro; but from its proximity to the ocean the climate is much more moist and variable. It is bounted N. and W. by the Atiantic Ocean, E. by the river Shannon and the counties of Caran, Fernanagh, and Donegnl, and S. by the county of Clare, Clare, whlch is now annesed to Munster prorince, wea at one time a part of Connanght, to which indeed it would appear natirally to belong. The greatest length of Counaught, from Scariff on the borters of Clare on the south to Mullaghmore Head on those of Donegal on the north is 108 miles ; and its grestest breadth from the houndary of Leitrim on the north-east to Slyne llead on the sonth-west, iI 8 miles. The area comprises $4,392,043$ acres, of which 2,220,960 are amble, $1,806,002$ unenltimated, 48,840 in plantations, 3875 in towna, and 212,864 neren under water. In 1851 there were 712,204 acres under cropm, of which 350,807 acres were under corn, beans, and peas, 151,976 nndor potatoen, and 55,409 acres under other grean erope The population iu 184 I wn $\mathrm{I}, 418,859$; in 185I It was 1,012,000.

The inountain ranges are distributed round tho cosst. From their inland doclivitlem the province has a comparatively level surfince to the Shamon. Than river thus becomes the main drain of the intermodiate country. Its chief feoders in Comanght aro tho Suck and the (iara; the latter dimehargen tho whtera of lough Chara and Lough Key, and the former, a lnrge river, is unvignblo from its confinence with the Sbannon to Balliforan, a dlstance of about 20 miles. The streann wheh fluw to the neenn are mueh snore numerous, but the lody of water brought down by thein $\ln$ not so great. They take their rime ohiefly ln laten, whlch are dintributod throngh the mountain diatricta of Galwey natl Mnyo, Of thems Iougha Corrib, Mask, atal Carra diwelarge shoir nnitor waters mouthwanl by Galway; nad Iowgha Comn, Arrow, wnd Gilly northwarl by lallina, Ballasalare, and silign empectively. The river which fow westwand from tho lake of Conuanamanil Firrianarealiort mud mpidl In their course, and comparntivels inconaiderablo In the gquantlty of water; so that with reference to its rivers the provinco may ho rlivided generally into thme dintricta: that of the Rlannoon, that of the Inwin of lough Corrib, and that of the basin of lough Conn. The nelghbourhoot of Thallihauni in Minyo, about the centre of the province, format the mummillevel from which thes principal alapes diverge; and lines drawn from this point to Scarif on the sonth-oust, Sligo on the northash, and Weetport on the weat, will be found to inhris pretty nearly the bonndaties of ench.

The limantone field of Comnaught ie rery nearly co-extenaive with the low diatrict between the Shannon and the wentern olevations.

Tho mountain groupe that inclose this plain present towaris the inland feld eucecesive elevations of nandstone, clay-alete, granite, and quartz, corremponding pretty noarly with the development of the mamo strata ou the opposito vile of the inlaud. The limestoue field is very mach encumberid with tog, which in Irelnad is almost always founil to rest on limestone gravel. The remalncler of the province is more mountainous thau sny other dintrict of equal extent in Irelnnil ; no that Conuaught, in produce and populativa, in far behind the othor provincos.

Connanght was formerly a kinglom of the Irish I'entarchy. Its kings were of the moc of U'Connor, lt enjored a conparative inde. pendence until the yoar 1690 , when It was made shire-ground nnder the Ilth Ellz. c. 39, and diviled Into six coutien, namoly, thase above eummerated and Clare, which had formerly been part of ilunstor. In 1602 Claro was ro-mnexed to the latter prorince, yet so luto s. 1702 remained on the Connaught circuit In the various rebellions down to the end of the lith contury Comnaught wan the rofuge of tho fugitive and dinpossessed lrish. The lriah language in still very proralcnt ; and the condition of the poorer classes to this day attrsts the miserable circumstances which bronglit the population togethor. Employment is here moro difficult to be obtained than in any of the other provinces. The loss of the potato crop in 1840, and the diminishod valno as well as amount of agricultural producs consequent on that calamity, and ou the legislative changes lnduced by it, completed the ruin of great numbers of proprietors, and ellailed a wide-spread concurreat devastation among the occupying temantig. In the year $1547-8$ alone the total number of holdings ovicterl or thrown up by the occupies was 26,589 , or one-8isth of the entive number of holdings in the prorince.

The state of Connaught both physical and moral has bcen perhaps too genemily underrated, though it snust be admitted that as a whole it ia beneath the average state of the three other provinces of Irelanil. Niumerous projects liave been formed for the improvement of thim province and the development of its great resources. The inprovement of the uavigation of tho Shannon has given a continnous line of water-carriage along the oastern boundary of the province.

Perlaps the most useful of the mrions efforts made for the improrement of Connaught has been the introdnction or rerival of the culture of flax. The quantity grown in 1847 was $10,866 \mathrm{cwt}$; in 1851 it was 21,59 cwt. The system of farming lias been greatly improved in those districts which have prssed through the trausition attendant on the change of proprietary and occupants. The main resonreen of the province must however for a cousidemble periou continue to rest on the industry of the native race of small farmers.

CONNECTICUT, one of the United States of North America, is bounded S. by Long Island Sound, which separates it from Long Island; lis. by IRhodo leland; N. by Mnssachusetts ; and W. by the state of New York It lics between $41^{\circ}$ and $42^{\circ} 2^{\prime} \mathrm{N}$. lak, $71^{\circ} 40^{\prime}$ and $73^{\circ} 43^{\prime} \mathrm{W}$. long. The form of Conuecticut is nearly that of a parallelogram, which is about 85 miles long from cast to west, with a mean wilth of 60 miles from north to south. Tho area is 4674 square miles. The followlng table shows the lucrense of the population since 1810. T'he total population in-

| 1820 | " | 275,20: | " | \%014 | " | 87 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1830 | " | 297,675, | " | 8017 | " | 93 | " |
| 1840 | ," | 300,078, | " | 8104 | " | 17 | " |
| 1850 |  | 3i0,792, | " | 7486 | " | 0 | " |

The federal represeutative population in 1850 wns 870,792 , whel ontlited the state to send four representatives to Congress. To the Sennte, like all the other United States, Connecticut serikls tro membera.

Coust-line, Surface-Connecticut has a ses-cosst of about 95 miles along the Long Island Sound, which is indented by several good brrbours, of whleh New London, Stonington, New Haren, IBridgeport, and Norwich sre the chicf. The best of the harhourm is that of Now London, which is spacious, decp, and not liable to be frozon over in winter. Stonington and Brldgeport larboura are protected ly brenkwatern. The Sound admits of freo narigntion along the entire const of the state for shlps of the largest size. There aro lighthouses at the west मide of the entrance to the Thamea; at tho west sirle of tho entrance to the Counectlcut; on Faulkner's Inland, off Guildforl Harbour ; on a point at the enst sirlo of the entrance to Stonington Harbour; at Morganim Polnt, noar Mystic; on the north side of Fimher'm laland Sound; on live-Mile l'oint, at the enst sidle of tho catranco to New Haren IIsrbour ; on Stratford Polnt, at the entrance of Stratfond llarbour; nn liair. Weather Imland, at the entrance to Black lock Ilarbour, Vinlifichl ; on Normalk lsland, at the mouth of the Norwalk; on Great Chitain's Ialned; and on North Dumplin Island, In Fisher's lalmad Sound. Thero are also flonting lightships on Bartlctt's leef, ofl Now London, and on Eel-Cims Sheml.
The murface of the country is gencrally uneren, but there are no lofy mountains. The principal rangen of high ground, which are continuations of tho Masaschusetts mountain magea, rmm from north to mouth in the direction of the llousatonie and the Connecticut, the two princlpal rivers of tho ntate. The Green Mountain mugo terninato at ligh Rock, 2 milos N.W. from New llaven. Tho Lyme range on the east mide of Connecticut River separates the lower basin
of the Connecticut from the Thames. $\Lambda$ range of high land of moderate elevation, called the Middletown Mountains, or Mount Tom range, runs from Hartford on the Connecticut, past Middletown to East Rock, 870 feet high, north-east of New Haven, where it terminates. The Blue Hills in Southington, a part of this rangs, are said to be the loftiest in this statc, attaining as elevation of 1000 feet. The Housatonio Mountains ruu along the western margin of the state, on the west side of the Housatonio River.

Hydrography, Communications.-Ths rivers are generally anly navigable in their lower courges. The most important is the Connecticut, which rises in Lower Canada, about $45^{\circ} 20^{\prime} \mathrm{N}$. lat. Its general course is south by west, and then south-west to the point whers it breaks through one of the Appalachian ranges, and receiving the Passamsic, deacends over the Barnet Falls from the high valley in which it has hitherto flowed into a lower basin. From the junction of the Passamsic it continues as before to form the boundary between Now Hanpshire and Vermont till it enters Massachusette, through which state it flows, still in a generally southers course. It leares Masmachusetts abont 5 miles below Springfield. Its geueral southern conrse coutinues to Middletown in Counecticut, where it is deflected to the south-east by some high land, and continuing this direction it enters the Sound. The whols course of the river is probnbly not less than 400 niles. The Connecticut is in many respects a very remarkable river. Its general course, as already described, is nearly due south; though it receivcs numerous streams, they are comparatively of amall importance. The river basin above tho junction of the Passamsio is about 80 miles wide: below this point it widens to about 40 miles; the whols surface of the basin is calculated to be about 9300 square miles. The river generally flows in a deep and often narrow valley, borlered by high lands, which, where they rocede from tho river, lesve fine alluvial plains. One of these alluyial plains stretches uninterruptedly for 40 miles from a little above Middletown, in Connecticut, to South Hadley, in Massachusetts. The alluvial tracts on the river are exposed to dreadful inundationa. The river has a bar at its mouth, but it is navigable for vesgels drawing 10 feet of water to Mildletown, which is at the head of tide-water, and 36 miles from the Sound; vessels drawing $\uparrow \frac{1}{2}$ feet ascend to Hartford, 15 miles above Middletown. Though this river is much obstructed by rapids, falls, and shoals, it has been made nevigable, by means of canals and locks, for boats of considersble size to the mouth of Well's River in Vermont. The Tunxis, or Farmington, which has ita source on the Grecn Mountains in Maseachusette, is the principal tribntary of tho Connecticut in this state. The Jousatonic rises in Berkshire county, Massachusetts, in a fine plain 1000 feet above tho sea, and running a general southern course through a picturesque valley enters the Sound at Milford Point, after a conrse of about 120 miles. Large vesscls cannot enter it, but it has a aloop navigation for about 12 miles. The Thames, which is formed by the confluenee of the Quinnebaug and the Shetucket a little above Norwich, at which town it is swslled by the junction of the Yantie, has a navigable course of about 14 miles, and falls into the Sound at New London. The small streams which add so much to tho fertility of the country are rery numerous.

There is now no canal in the state of any length or consequence, the Farmington Canal having been filled up and converted into a railway.

The common roads are numerous and well kept. The railways running east and west through the state are the lines between New Haven and Worcester, in all about 126 milos, whicl together form a part of the sonthern main-trunk line, connecting New York and Boston; and tho Hartford, Providsnce, and Fislikill railway, of which little more than 50 miles are yet completed. The lines running north and pouth from the ports on the Sound are the Norwich and Worcester, nif miles, of which nbout 40 miles are in Connecticut; the New London, Willimautic, and Palmer, 66 miles ; tho New Haven, Hartford, and Springfield, 62 miles; the New IIaven and Northampton, on the hed of the old Farmington Canal, 45 miles; the Naugatuc, 57 miles; ths Ifonsatome (Bridgeport to Pittafield, 110 miles), 74 iniles completed; and the Danbury and Norwalk, 24 miles. Besides these there are several branches and small lines: the total length of railway completed in the state in October 1853 was 565 miles, and about 100 miles were in conrse of construction.

Geology, Mineralogy.-The prevalent rocks of the lill ranges are granitic, or hypogene; metamorphic limestones; and in a depressiou of the granitic rocks occur thin bedded strata of new ral-sandstone, whale, and conglomerate, with masses of trap intruded, the beds dipping to the eastwarl at angles varying from 5 to 50 degrees. The trinssic rocks, according to Sir Charles Lyell, must have been "forinerl in shallow water, and for the most part near the bhore, and some of the beds havo been from time to time raisod above the level of the water, and laid dry, while a newer meries, composed of similar sedimeat, wan forming." The red flags of thin-bedded aandstone src often ripple-marked; and "on some shales of the finest texture impressions of rain drops may be seen, and casts of them in the incumbent argillacoous andstones." But what has rendered this formation an object of mutual intercst to scientific men is the circumstance of the numerous impresnions and casts of the footsteps of a great varicty of birds and reptiles which walked over the strnta at the time when they were deposited. According to I'rofossor Hitchcock "the footprints of no lest than thirty-two species of bipeds and twelve of quadrupeds have
been already detected in these rocks. Thirty of these are believed to be thoss of birds, four of lizards, two of chelonians, and six of batrachisns. The tracks have been found iu more than tweuty places, scattered through an extent of nearly 80 miles from north to south, and they are repeated through a successiou of beds attaining at some points a thickness of more than 1000 feet, which may have been thousands of years in forming." (Lyell, 'Elements of Geology ;' Hitchcock, 'Mem. of American Academy,' New Ser., iii. 129.) No fossil bones, either of birds or reptiles, have as yet been met with in these rocks; the fossil fish are however numerons and very perfect : they belong to a peculiar type which has received the name of Ischypterus.
The minsral wealth of Connecticut is considerable. Iron ore is found at Salisbury, Kent, and other plsces, in great abundance, and of excellent quality. In copper ore this state is ons of the richest in the Uuion. The chisf mines are those of Bristol and Plymouth. According to Professor Silliman the Bristol vein extends for abovs 30 miles from Bristol southward as far as Hampstead, and if fully worked is capable of affording employment to 30,000 miners. The Plymouth mines are said to be equally rich. Copper is likewise found at Granby. Lead, zinc, plumbago, cobalt, and manganese are also met with. At Milford a very fine marble is obtained, and marbles of different kinds occur there and elsewhere. A freestone much in demand for building purposes is quarried in several parts of the state. The minsral springs at Stafford are much resorted to.

Climate, Soil, Agriculture-The climate is subject to sudden and extreme variations of heat and cold, espscially along the coast. With a change of wind a great alteration generally occurs in the weather. In the winter the north-west winds are very keen, the south winds are warmer and more genial.

The soil of Connecticut is only of a medium quality, more suitable for grazing purposes than the growth of wheat, except in the river valleys, some of which contain rich alluvia. In the valley of the Connecticut the soil varies from a hard stiff clay to a light sandy losm. In the eastern part of the state a warm, strong, fertile soil prevails, which is excellent for grasses. In the western part are many fertile districts. The north-western is more cold and sterile, but contains some good grazing districts. In the south the peach perfects its fruit. The farms are mostly small aud carefully cultiFated; but the fnrmers usually follow some manufacturing occupation during a part of the year.
In 1850 there were in the state $1,768,178$ acres of improved land, and 615,701 acres of uuimproved land, whieh together were ralued at $72,726,422$ dollars. The number of farms under cultivation was 22,445 . The total produce of the principal crops in 1850 waswheat, 41,762 bushels; rye, 600,893 bushels; maize, $1,935,843$ bushels ; oats, $1,158,738$ bushels; barley, 19,099 bushels; buckwheat, $229,297^{\prime}$ bushels ; potatoes, $2,689,725$ bushels; hay, 516,131 tons; clover-seed, 13,841 bushels; other grass-sced, 16,608 bushels; peas and beans, 19,090 bushels; tobacco, $1,267,624 \mathrm{lbs}$; maple sugar, $50,796 \mathrm{lbs}$; flax; $17,92 \mathrm{~S}$ lbs. ; wine, 4269 gallons. The value of orchard products was 175,118 dollars; of market-garden products, 196,874 dollars.
The number of horses in 1850 was 26,879 ; asses and mules, 49 ; milch cows, 85,461 ; working oxen, 46,988 ; other cattle, 80,226 ; sheep, 174,181 ; swine, 76,472 . The products of animals were thus returned:-Wool, $497,454 \mathrm{lbs}$. butter, $6,498,119 \mathrm{lhs}$; cheese, 5,363,277hs. Value of animals slaughtered during the year, 2,202,266 dollars. Silk cocoons, 328 lbs.; bees-wax and houey, 93,304 lbs.

Manufactures, Commerce, \&c.-Connecticut possesses considerable manufactures, but the manufacturing iudustry of the state is distributed jver a large number of small shops. The number of establishments in 1850 producing to the value of 500 dollars and upwards annually was 3913 , of which 128 were cotton factories, employiug 2708 males and 3478 females; 149 woollen mills, employing 2907 males and 2581 females; aud 91 iron-houses, of which 60 manufactured castings, employing 942 persous, 13 pig-iron, employing 148 persons, and 18 wrought-iron, employing 374 persons. There are also factories for the manufacture of steam-engines and locomotives, hardware, cutlery, fire-arms, gunpowder, paper, soap, candles, boots and shoes, and most of the ordinary articles of lome consumption; besides numerous flour, grist, and saw-mills, distilleries, breweries, tauneries, potteries, glass-houses, \&c.
The foreign commerco of tho stste is not largs. The exports in 1852 amounted to 506,174 dollars, the imports to 394,675 dollars, of which the value brought in foreign vessels was only 18,397 dollars. In tho sams year 65 vessels, of 9034 tons burden, waro built in the state. The amount of shipping owned in the state in 1850 was 113,085 tons, of which 31,028 tons were employsd in foreign eommerce, 11,483 tons in the whale-fishery, 5249 tons in cod-fishing, and 571 tous in macksrel-fishing; the remainder were chiefy cmployed in the coasting trade. The steam marine of tho statc, which is wholly employed in the coasting trade, amounted to 8455 tons.

Dirisions, Towns, de.-The state is divided into eight countiesFairfield, Hartford, Litchfield, Middlesex, Now Haven, New London, Tolland, sud Wyudham, which are subdivided into 148 townships. It contains 6 cities and 12 boroughs. The following are the cities,
all of which are port towns, and have daily commnnication by steambosts with New lork: the papulatiou is that of 1850 :-

Ilorfford, the capital of Hartford county, and one of the seats of the state legislature, is on the right bank, and 50 milem from the mouth of the Connecticus, at the head of the ship navigation, $41^{\circ} 45^{\prime}$ $\mathrm{N}, \operatorname{lnt}, 72^{\circ} 40^{\circ} \mathrm{W}$. long., 885 miles N.F. from Washington: popula. tion, 17,960. The city stauds on rising ground, is regularly laid ont, and is a mile long and threequarters of a mile wide. The principal public bnildinga aro tho stato-house, city-hall, custom-house, arsenal, markethouse, Trinity college, the Aworican asylum, the retreat for the insance, and Wadsworth athonreum. Some of the ehurches, of which there are $2 t$ belonging to the rarious sects, are handsome buildings. Benides Triulty college there are numeroun academies and schouls in the city. Hartiond in the centre of the state railway ${ }^{2}$ yetern, and carries ou a large trade with the Intorior. There are conviderable unanfactories of macbinery, fire-arms, boota and shoes, sc, and several large lumber gards. Eight newspaperm nad two magazines are puhlished in the city, and there is an extensive bookmelling buminess, The Anserican Asglum for the Deaf and Dumb was tho firnt eatablished, and is still the nost flourishing and iruportant anslum of the kind in the United States. The number of students in 1850 was 210 , of whom a large number were supported by other atates. The Retreat for the lnsane is another very inportant institution; it containcd 143 patients in 1850.

Nev Joren, the capital of New Haven county, and, alternately with Hartforl, the seat of the state legislature, stands at the hend of New Haven Bay, 4 miles from Long lsland Souncl, $41^{\circ} 18^{\prime}$ N. latu, $72^{\circ} 50^{\prime}$ W. longo, 160 miles be railway S.S.W. from Hartford: population, 22,539. The city is pleasantly situated, the streets are wido, rogularly laid, and genemily berdered with rows of fine elms. The ceutral square forms a sort of public park, planted with numerous rows of elms, and is snid to be the finest public ground in the United States, Iu this square are three fine churehes, the state-house, and the chief part of the bnildings of Yale college. Tbe city contains 22 churehes, Iale college (uext to Harvard college tho most important university in America), several scientific institutious, two popular lyceums, haring libraries and reading-rooms, uumerous academies and schools, several benevolent institutions, and two catensive cemeteries, in which several of the moro eminent Americans aro interred. The pnblic buildings are moslly of briek; tho houses in the older part of tho lown aro montly of wood, and surrounded by shrubberies or gardena The stato hospital, founded in 1832, is a substantial stone edifice, standing on an elevated site. Tbe now milway station is considered to be one of the finest structures of the kind iu the Unitod States. New llaven is the chief seat of the foreign commerce of the state, an well an of au extensive cuasting trade, and considerahle fisherien. The harbonr is npacions but shallow, and is gradunlly silting up. The tomnage belonging to the harbour in 1850 was 15,731 tons, of which 2568 tons were propelled by steam. There are considerable manu. fnotures, eapecinlly of carriages and clocks; ship-building jards, taxnerio, potterics, woollen-factories, hardware and cutlery works, lumber yanda, Acc. Four or five railways meet at New Ilaven, aud aford great facilitics for communication with all parts of the Union. Several newspapora and mouthly and quarterly magaziuen, as well as Professor Silliman's 'American Journal ofScience,' are published at New Haven.

Bridgeport, situated on an arm of Long lsland Sound, 78 miles S.W. frem Ilartford; population, 7538. The harbour is eligible for large stenm-bonts and coasting voascla. The manufactures are extensive. The city is ueat and regularly huilt, and contains several churches The llousatonic railway unites with the Stow York and New Ilaven railway at Bridgeport.

Midalletown, on the right bank of the Connecticnt, 14 miles S. from Hartorrl ; population 8701 ; is situated on geutly rising ground, the main wtreet in which aro all the principal buildings ruming parallel with the river, and the other 解reets at right angles with it. Some of tho pablio bulldinge are liandsome mtructures, and there nre good manaions in the higher part of the city and its vicinity. Middletown has conaidemblo mauufactures and an extensive coasting trade. In the viainity sro very productive lead aud sifver mines, nad inoxbauntible quarrion of felmpar, In much request for the manufacture of provelnin. The Welleyan University is a fine buildiug. Pnitways conuect the eity with llartford and other towns. Three newapapers are publiahed berc.

New London, on the right bank of the Thmmen, 3 miles abore Lont Irland South, 43 mllew S.Fis from Hartferd: popnlatiou, 8006 . The city contains the oounty buildinge, meven churchen, aud weveral acadomies and achoola. The barbour has a depth of 80 foet, and is the fincet in tho mata Now Iondon is the chief port for the consting and whaling trade of Connecticut. The tonnage of the port in 1850 was 40,485 tona The forcign trndo \& ebiedy with the Wont indice. The city las ample railway facilitice.

Nomcich stands on a very pletnresque site on the Thamen, at the junction of the Qulancbag and Yankic rivers, 30 milea Fis.j:. frem Hartiond : population, 10,265. It containa the usual county buildings, stown-ball, and oight churches Thero are numerous manufactorics of cotton and woollen goodn, peper, hardware, cutlery, dic, the rivers afording grent water-power. The celebrated Viuntle fallh are in the vicinity. Three mallways pas through the city.

The following are the twelre boroughs:- Danlumy, near the western bonler of the stato, $\$ 8 \mathrm{miles} \mathrm{S}$. W. from llartiond ; population 8964 ; pomesos good water-power, which works several mills. There are scven churches mad an acadomy in the town. Eesex, on the right bank of the Connoctleut, 7 miles from its mouth; population about 1200 ; has a considerable coasting trade, and carrich ou a good husiness in slip-bnilding, rope-making, dc. Guildford, a short distanco from Long Island Sound, 36 zilen S. frem Hartford; population 2050 ; is celebrated for the pleturemuo sceucry in its vicinity, and is much resorted to in the senson for sea bathing. Tho larbour is froqueated by coasting and fishing vesseln. Litchield, the capital of LitchGield county, ties betweeu the Nangatue and Shepaug river, 28 miles W. by S. frotn llartfond : population, $395 \%$. The town contains the usual county buildings, several churches, acadomies, and schook There aro coneiderable manufactories of woollons, paper, leathor, and iron, and numerous grint, fulling, and anw-milla. Great l'und covern an area of 900 acres, and is tho largest aheet of water in tho state. Vew Britain, 10 miles S.W. from Hartford; population 3028 ; has considorable manufactures of brass-ware and cutlery: the State Normal sehool is ustablished here Newonen, on the llousatonic milway, 11 miles S.W. from Hartiond; population 3358 ; stancls on high ground in the midat of a fertile district, and has several woollen and cotton factories, and grist and eaw-mills, tranerics, dc. Nornall;, on the Norwalk River, at its cutrance into Long lsland Sound, 63 uniles S.W. from Hartford ; population 4651 ; is a place of considerahle trade, aud has extensive factories of felt-cloth and carpets, hata, \&c., besides tannories, potterics, and grist and saw-ınills. Vessels drawing 6 feet of water ascend the river to N゙orwalk bridge. Som:hport, on tho right bank of the Mill River at its cutrance into Long lsland Souud, aud ou tho Now York aud New Haven railway, 60 miles S.S.W. from Hartford : population, 3184. The harbour, wich affords geod auchorage for vessels of 100 tons burden, is protected by au extensire breakwater constructed by the government of the United States. Stamford, on the Mill River, at its entrance into Long lsland Sonnd, and on the New York and New Haven railway: pepulation, 500t. The harbour admits vessels drawing 8 feet of water, aud a considerable coasting trado is carried on. There are also extonsive iron aud wire manufactories, Iumber-yarls, dc. Stonington, on Long Island Sound, near the southeastern extremity of the state, 51 miles S.E. from Hartford; population 5434 ; is a large well-huilt and husy town. The harbour, which is one of the best in the Sound, is protected by a breakwater built at the expense of the Uuited States governmeut, and has a lighthouse at its entrance. The shipping of the harbour in 1850 amounted to 19,913 ton $\%$ of which 4020 tons were ougaged in the coasting trade, 8861 tons in the whale fishery, and 2226 tons iu thu cod and mackerel fisherics. Beaides ship-building and other works of a maritime charncter, there are manufnctories of plaids and linseys. During the summer Stoniugton is a fashionable watering placo. The town has daily stean communication with Now Jork, and the Stonington railway connects it with auost parts of the Union. Ilaterbury, on the Naugatue, 25 miles S.W: frein Hartford: population 5137 ; is one of the busiest mannfacturing towns in the state. The factorios, for working which there are great facilities of water power, consist of very exteusive works for making pins, gilt and plated buttons, silvor and plated goods, hardware, India rubbur webbiug, de, ; there nre also rolling-mills and woolleu factorics. The towu is generally well built, and some of the churehes and schools aro said to be of a rather suporior arehitectural charncter. I'illimanlic, on the Willimautic River, 23 miles L\%. by S. from Hartford, contains several large cotton factories nad some payer and other zuills: three milways pass through the town.

Guverninent, Juliciary, Education, dec.- Fivery whito male citizen of the United Stater, 21 years of nge, who has resided 0 mouths in tho town, has a freehold of tho annual value of 7 dollarg, or has done military duty for one year, or has paid a state-lax withiu the year, and has n good moral character, may volo at all clectious on taiking the onth; and is cligille to any oflice unless it be especinlly excepted. The legislativo body, styled tho General Assembly, consiste of a Senate of 21 membere and a llome of liepreseutatives of 120 memberm, who aro chonen ammully by districts of equal population. The Gourral Assembly meets on altermato years at IIartford nod New Haven. The goveruor, whe with the comncil of state similarly elected forms the exccutivo, is almo elected for one year: he has in salary of 1100 dollnin.

The revenue from all nourecn for the year $1852-3$ was 150,050 del lars; the expenditure was 135,104 dollars. The ntato debt, chielly contingent, was $\$ 1,212$ dollars. The anilitia of tho atate is couprosed of $51,040 \mathrm{mcn}$, of whom 156 are comminaioued oftleers.
The julliciary consintio of a supreme nad emperior court, prosided over by a clilef justice with a salary of 1300 dollnrs, and 4 associate justices with salaries of 1250 dollars each, who hold their offices until 70 years of age; and of county courts, which have jurisdiction in civil actions where the matter In dispute exceeds 50 dollars: from the county courte there are appeals to tho suprerior court iu all cases where the daungen exceod 200 dollasm.

The mtate lins a seliool-fund derived from tho malo in 1795 of $2,500,000$ acres of land in the north-eastern part of Ohio. The fund amouuted In Septemberl852 to 2,040,482 dollars; the dividende from it amounted
to 143,693 dollars. The number of common school districts in 1852 was 1642 ; of children between the ages of 4 and 16 years, 96,382 ; attending school in wiuter, 54,100 ; average attendance, 55,100 . The state hss a Normal school at Hartford in which 200 pupils are instructed without cbsrge ; and schools or conventions for training teachers have been established in eacb county. A State Reform scbool for boys under 16 who have been convicted of offences punishable by imprisoument has been established at Mcriden, the grounds of which cover an area of 161 acres. There are several colleges and superior academical institutions in the state. Fale College is one of the oldest, and next to Harvard University the most important and the most nnmerously-attended institution of the kind in tbe United States. It has a staff of 35 professors and tutors, and in 1850 had 555 students, of whom 432 were students in the academical department, 38 iu theology, 26 in law, 38 in medicine, and 21 in philosophy and the arts. The buildings cover a large area, nnd contain a library of 53,000 volumes; the medical and theological libraries and schools; the finest geological and mineralcgical collection in the United States; the Turnbull gallery of paintings ; chapel, \&c. Trinity College is an Episcopal institntion: it hes 13 instructors and 79 students, and a library of 15,000 volnmes. The Wesleyan University at Middletown has 7 instructors, 106 stndents, and a library of 12,000 volumes. The Congregational Theological Institution at Hartford has 3 instructors, 17 students, and a library of 5000 volumes. In 1850 the Congregationalists bad 267 churches and 35,158 communicants ; the Baptists 111 chnrches and 16,230 communicants; the Episcopalians 9360 communicants; the Episcopal Methodists 148 ministers. The total number of newepapers and periodicals published in the state in 1850 was 51 , of which 30 were political and 21 religious, scientific, \&c.
(Colton, Statistical Gazetteer of the United States, 1853; American Almanac, 1854 ; Dsrby ; Haskel and Smith; Lyell, \&e.)
CONNOR, county Antrim, Ireland, a small village situated on the Gleuwhirry River in the barony of Antrim. Some six or seven centuries ago the village was a walled towu or city, and gave its name to the bishopric of Connor. It was a placo of some note in 1315, at the time of the invasion of Edward Bruce, by whom it was taken, after the defeat of the Euglish nnder Richard, earl of Ulster, before its walls. It is supposed to have gone to decay after the irruption of tbe expelled Irish in 1333. A large Presbyterian meetinghonso is now the chief object in the village.
The bishopric of Connor was founded by Aengue, the son of Nissa, usually known as Saint Macnish, who died in 514. In the 12th eeutury the diocesc was known indifferently as Connor and Dalnaraighe, or Dalaradia. In 1442 one John, being bishop of this diocese, prcvailed on Pope Eugene IV. to unite the sees of Down and Connor. By the 3 rd and 4 th Willian IV., c. 37 , sec. 121, the united bishopric of Dows and Connor has bccome augmented by the diocese of Uromore. The income of the united diocese is $4204 l$. per annuur.

CONQUES. [AUDE; AvEyron.]
CONSTANCE. [Constanz.]
CONSTANTIA. [CAPE OF Good Hope.]
CONSTANTINA (the Qosthanthynah of the Arabs), the capital of the French province of Constantina in Algiers, stands on a high rocky peninsula formed by the Rummel iu $36^{\circ} 22^{\prime}$ N. lat., $6^{\circ} 37^{\prime}$ E. long., at a distance of 185 miles E. by S. from the city of Algiers, and 45 miles due S. from the Mediterrancan. The peninsula is joined to the adjacent country by an isthmus on tho south-west side. Before the French conquest of the town it is said to have had upwards of 40,000 inhabitsnts; the population in 1847 exclusive of the garrison was about 21,000 , of whom nearly 2000 were Europeans. The city is surrounded by old walls and entered by four gates, the elegant struoture and aculptured decoratious of which prove them to be the work of the Romans. The interior of the town has nothing remarkable. The streets are narrow and ill laid ont. The houses are generally built of brick on stone foundations, low and without windows; and they have sloping roofs, a cincumatance that denotes a colder climate than that of the sea-coast where the honsen have flat roofs, to wbich the inhabitauts ascend in the evening to enjoy the cool breeze. There are a college, an hospital, and a citadel in the town, which has also manufactories of saddlery, harness, and otber leather goods, and trades in corn with Tunis, and in the products of Ccutial Africa witb the tribea to the southward.

Constantina occupies part of the site of the ancient Cirla, which was the capital of Niumidia, and the birthplace of tho Numidian kings Marinisea and Jugurths. Cirta was bnilt by architects from Carthage, and its name is a slight corruption of the Phœnician word for 'city.' Cirta was the residence of the kings of the Massylii, who had a splendid palace hero. In the reign of Micipsa, who enlarged and beantified tbe city, it could send forth an ariny of 10,000 cavalry and 20,000 infantry. Cirta was the strongcst fortress in all Numidia; it is frequently mentioned in the Punic, Jugurthan, and Civil wars. After the defeat and death of Jugurtha the ancient town passed witb tbe rest of Numidia into the hands of the Romans, who sent out a colony to Cirta, which tben got the name of Cirta Sitianorum, from the chiel, Sittius, to whom it was granted by Julius Casar. It continued under this name to be the chief town of Numidia Propria till the time of Constantine, from whom it was called Constantina In reccut times it was the residence of a Bey until its capture after a murderous
assault by tbe French under General Danrémont and the Duc de Nemours, October 13, 1837. Tbe city and its environs, especiaHy the plain on the south-west side, abound in ancient Romau remains. Among tbese are-the bridge across the Rummel, which is adorned with bas-reliefs, and still in good repair ; the four gates above mentioned; several sepulchral monuments; and numerous remains of cisterns, aqueducts, colnmns, and altars. The finest of the ancieut remains, a triumpbal arch, has been removed to I'aris. The extent of surface over which these remains are spread proves tbe ancient city to have been much larger than the modern one. All the Roman roads in Numidia converged upon Cirta. Below the bridge tbe Rummel turns nortbward, and flows for about a quarter of a mile in a subterranean berl, issuing from which it forms a large cascade. From the height above this point criminals and infidels were precipitated into tbe river during the sway of the Arabs. The ueigbbourhood of Coustantina is very fertile aud well cultivated.
(Sallustius, Bell. Jug.; Shaw, Travels in Barbary; Balbi, Gcographie.)

CONSTANTINOPLE (Stamboul), the capital of tbe Ottoman empire, is situated in $41^{\circ} 0^{\prime} \mathrm{N}$. lat., $28^{\circ} 59^{\prime} \mathrm{E}$. long., on the Enropean shore of the Sea of Marmara, and at tbe soutbern extremity of the Bosporus, which connects the Sea of Marmara with the Black Sea. [Bospones.] The population is variously estimated, for there is no official census: some make tbe inbabitants number only about 600,000 (whicb may perbaps be the population of the city exclusive of the suburbs) ; others estimate tbem at a million, composed of about 200 different tribes and races. Tbe following numbers are takeu from uotes of travellers who visited Constantinople iu 1852 aud 1853 :-A About 500,000 are Turks, 200,000 Armenians 60,000 Jews, 30,000 Greeks, and about 20,000 Eranks.

The gronud on which Constantiuople stands is fitted by nature for the site of a great commercial city, the connecting liuk between Europo and Asia. A gently-sloping promontory secured by narrow seas stretches out in a triangnlar form towards the Asiatic contineut, from which its extreme point is separated by so narrow a strait (the Bosporus) tbat ina quarter of an hour a boat may row from one contineut to the other. Indced Scutari, on the Asiatic coast immedistely opposite, is always considered as a suburb of tbe European capital. Just before the Bosporus enters the Sea of Marmara it makes a deep elbow or inlet on the European shore, flowing between the triangle of Constantinople proper and its European suburbs of Galata, Pera, \&c., and forming the magnificent port of the Golden Horn. [Byzantium.] The triangle which, allowing for many vacant spaces within the walls, is entirely covered by Constantinople is thus wasbed on the north by the deep waters of the port, and on the sonth-east by the Sea of Marmara. Tbe basc of tho triangle, or the ground immediately beyond the walls, which attaches it to the Enropean continent is au open elevated flat, with some slight inequalitics. The area of the triangle is occupied by gentle hills, wbich are highest towards the laud side and suburb of Eynb, and gradually dechiue to the Seraglio point, the apex of the triangle, sbelving off on each side to the Sea of Marmara and the port. As Rome was built ou seven hills so tbe fonnders of Constantiuople called these the Seveu Hills, tbough if tbe principaI cbain only were counted there would be less; and if the minor hills or spaces were included there would be inore than seven. The rilge of the first or most eastern hill is occupied by the buildingsand grounds of the Seraglio, behind which a little on the reverse of the hill the dome of Santa Sophia shows itself. The second hill is crowned by the bold and lofty dome of the Osmanieb mosque. The still loftier mosque of Solyman the Magnificent towers on tbe tbird hill; wbilst the aqueduct of the emperor Valens, the arcbes of which are of a considerable span, unites the summits of tbe third and fourth hills. On a fifth point, tho most elevated of the little cbain within the triangle, tbere is a slender lofty tower, built in 1828 , in wbich a guard is constantly kept to watch the breaking ont of fires, whicb are very frequent and destructive iu a city where all tbe private habitations are built almost eutirely of wood. The situation of Constantinople upon hills is the main cause, not only of its picturesquc beatiful appearauce, but of its general salnbrity. (Malignant fevers prevail it is true during the heat of summer, but chiefly among peoplo who expose themselves to tbe noouday sun.) It receives all tho breezes from the Bowporns, the Sea of Marmara, and the adjoining plains of Thrace; aud the dirt, for which its strects are proverbial, partially at least descends the hillsides to the port or the open sea, ju both of which it is carried off by a strong curreut. Tbe lower cdgc of the city, adjacent to the port, and tbe suburb of Galata (the Wapping of the T'urkish capital) on tbe opposite side of tho port are filthy places.
The form of the triaugle is somewhat irregular, tbe side on tbe Sea of Marmara, from the old stato prison called the Seven Towers to the Scraglio point, beiug considcrably the longest; its length cannot be much short of 5 miles. On this side the old walls and towers are in a very ruinous state, and on tbe side towarda the port tbey havo almost entirely disappeared. Bnt on the land side Constantinoplo presents a double line of strong and lofty stone walls (built in 447 during the rcign of Theodosins II.), which might be easily put in a state of complete repair, and which in their more dilapidated parts present such magnificeut and picturesque specimens of minral rnins an probably no other city can boast of. The length of this latter line
of wall, from the heal of the port to the Som of Marmara, near the Soven Towers, is about 4 miles. The walls are flanked at short interval by towors, whioh are mostly rectangulnr. Of the towers 120 sro now standing; there were 180 ln 1420 , secording to a plan then made by Bondalmonte, a Florentine. Besides tho double walln, whiols are almont entiro, and still retain their nnoient battloments, the outer ditch was fuced with wall which made a third rampart, but this in in purt destroyed, and seemanever to have been defended by towers. Tho iutorvals between tho walls are In many flaces chokel up with earth and masses of the ramparts which hnvo fallen under the shocks of war or of earthquake. Tho great ditch, wbich is about 30 foet brand, is partly eultivated and converted into kitchen gardeua

There are six gates on this (the land) side:-1. Pigro-Kaponssi (the Oblique Gate); 2. Filnone-Kapound (the Gate of Adrianople); 3. Top-Kapousel (the Cannon (inte), through which the conqueror Hohammed II made his public entry on tho capture of Constantigople; 4. Selirri-Kepouspi (the Gate of Selivrie); 5. Yent-Kapousai (the Now Ginte) ; 0. The (iate of the Seven Towers. The 'Golden Gate,' so celebrated by tbo Byzantino writers, has been sought for in vain, though a gate now wbolly blocked up, with two mean pillare supporting a low arch, is somelines shown to travellere for it. Near to the Top-Kapoussl, where Palreologun, the last of the Christinn emperors fell, is tho breach through which the Turkish beniegors pourel into tbe city: the wide rent, which has never been repairod, is now full of troes and shrubs.

A wnste, a etillness, and solitude, difficult to conceive near so great a capital, reign immolintely bejoud these walls, which are on lofty that from the road which passes under them the cye can scaroely catch a glimpse of the mosques and minarcts of the city. This melancholy aspect is heightened by seversl cencteries, with datk cypresses and wbite marhle tomba, that lie outside of the walla, A recent traveller (Br. Diekeus) asya, "Within gunshot beyond thin great city, with ite 600,000 inhabltants, there is uot a mad nor a hridge upion the most frequented ways; there is not a house, nor a garlen, nor a thriving tree. Look along the shores of the Boxporus. They are dewert. Searcely a plough stirs the land that unight ho ono of the largest corn-growing districts iu the world.

Not $a$ merchant'n-bark, with the crescent flying at its mast-head, anchors in the waters; not a loom is at work, not a wine-press; no manufactory plies its huny trade. . . Tho Turkn do nothing. Even the emnrt little ntenm-hont which still runs from the bridge at Stambonl to Injukderd is manned with Finglishnen, and our Caidjo (bontman) is a Greek." The boatmen howerer aro generally Turks.

Tho triangle on which Constantinople stands does not mueh exceed 18 miles in perimeter. The trehle walls and ditches on tho land side, the extensive gardens of the Seragtio, and other palaces, tho Inrgc court-yards of the roynl mosquen, the Hippordmomenad other vacant xpacer, matorially diminish tho extent covered with houses.

Witls the exception of the land wall, and the church of Santa Sophin, there docm not remnin much of the Byzantine mrchitccture; the greater part of the antiquities which wero scen ly Gyllins, by Spon, and other old travellen have disappeared. Thio fsct is, tho Turks, inntead of digcing in the quarry, have knocked down the Orecian lmikdings to use the materials in their own publio edificen, much th mosques, minarots, aud fountains, or to cut them up into tomb-stones.

The aite of Constantinople is one of the worst sites that could the selected on the score of water supply. On the Furopean side of the Bomporua thero in no mountatn at any remsonnble dietnaco to look to, no lakc, no river. But in the forent of Belgrade wear the Ilack Sea there aro gullegs and heads of valleyn, down the silee of which the water pours in great abuurlance during the rains. in each of thene valleys bendte, or reservirs, have beenformed by building dann acrons them, and thenee the water is conveyed by aqueducts to Conmantinople for the ure of the mosques and fountains. In tho hot seamen anpplementary aupply for privato use is lroneht by waterearrien from Scutari, for then three-fourthe of what dribbles chmugh tho equeducta are nbonrbed by the moseques, which are entleled to bo firnt mipplied. Under the city aro vast reservoire, which were onuatricted ly the lioman emporora, and kept full of water for the nupply of the city luring niegen, indeymendent of tho agneducta. Many of theno old eleterns still have waterju them. There is a vat woltermnean edifice of thim kind, the woof of which is sup, ported by $\$ 24$ column", each columa lreing ortuly formed of throe mumeatn yillars pincerl one on the top of the other. The Turks call It the palace of the 'shomandi and one pillara;' not that thin is tho proving number, lint lecanmo it in a favonrito number with all castern matlom. Though the cartl ham in part filled It up, it in ntill of grent dopth. This partleular one is dry; It in 210 foct long by 200 wide, and in nornpied by a unmiser of permona who ppin milk by hand. except to a fow Turks whows lionmen are situnterl above it, and who call it the 'Subterranean Palace,' may bo described an a suliterremenn lnke, extending unter soveral ntrecte, havlug on ouched ronf that corers and concenin It mpyproted on 330 marblo pllinna.

Tho Turks retnin the trandatel name fthey call it the At-Mcidan, or horme-courme) of the famed Hippodrome, the scene of the mamacre of the Jenizzaries; lont ill the ancient splendour of
the place line disappeared. It in now not a circum, but an ollong open spane, about 300 paces long hy 150 paces wide. It is partly flanked on obe side by the momquo of sultan Achmet, anul partly on the other by tho bigh dead walln uf a bnilding which was onoe an hoapital, hut recently userl as the sultan'a menngeric. At the upper end of the 11 ippodrome there is a granite obeliek of rather mean proportions, and partly covered with hieroglyphicn of poor workmanship; it ia called after Theodonius, though it is probable that emperor only removed it from another part of the city where it was eractod by Constantine, and sot it up hore, after it lisd been thrown down by an earthquaka. Near this ohelink is the fragment of the wraatlied column of bronze, which according to ny old tradition eupported the golden tripod of Delphi, ard was shattered by Molinmmed 11. with lim battlenico. It io now a poor mutilatel thing, with one end in the ground, abova which it doos nct rise more than if feot, and the other end open and nlunost flled with rubbirh. The marble pyramill of Constantine Porphyrogennetus, the Colosass Structilin of the old tonographers, doen not at presest fairly stand on the At-ncidan, though it le near it and visible from it: it has long beeu strinped of the plates of gilded bronze that once covered it; the shaft is hold togother by rude iron hoope, and hlackened by the many confingrations that have raged round it, It is now an unsightly object, about 90 feet in loight, and 83 feet iu circumference. Blost of tho great work of art which adorued the batha nad squares of Constantinople were destroyed by the Latin crusaderis The four bronze horsce of San Marco at Veniee are the only relio left of the great works of art tlant once adomed the city of Constantine.
The famous Sernglio, or palace of the eultars, occupies the most eastern part of the city, and with its various gardens, baths, mosqnes, government huildings, and groves of cypress corcrs a onace about thrce miles in circuit. It is separated from the reat of the cily by high walls cextending down to the Sea of Marmara, The inner inclosure or court of the Seraglio is ocoupied solely by the sultan and his harem. In the secoud court are the dirau, the treasury, imperinal ntables and kitchen, the hall of juetice, the araomal (which was formerly the church of Sh Irene), and the column of Thedbeine. Int the onter court are various state offees, tho mint, jufirmaries, de. A large massive range of buildings ocenpied as government oftices, mounted on a platform, ascended by a noble flight of stone steps, and ornamented by fine columis stands in the outer oonrt, aud contrasts strongly with the wooden kiosks nad tall minarots; it is situated close to the large gate entrance of the Soragho, from which it takes its anmo of the 'Sublime Porte,' which is also applied as a desigmation of the sultan's governmert.
Mauy of the mosques crected hy the Turks aro distinguished by grandeur and beanty. There are li chlof or imperial mosquen, dearly all Jofty, and magnificent in their general dimensions, and buift from base to dome, chicfiy of white anrble, alightly tingod with gmy. Some of these have two, some four, and one (that of Siultan Achinet) has cren six of those ligbt, thin, lofty, mrrowy, aul most graceful towcre called minarcts. Benides the innjerinl mosifucs, there are fo others, marying is nizo and beauty, but all considernble edifices ; and then 200 and moro emall mosques, which hare little minarets, often marle of wood, contiguous to them.
The mosque which lins been moat talked of, because it was aneiently a Christian temple, and whs supposed to have suggested to the Turks the grand dome or cupoln which predominatea in nll tho great mosques they huilt themsclves, is that of Santa Sophia, which in to the west of tho Seraglio. Santa Sophla in buitt in the furm of a Gruek cross, 209 foct in length by 143 feot In brealth between tho walls. It is nurmounted by a flattened dome 180 feet high nhove the parement, by several smaller cupolan, aud by four minnerets adiled by the Turk. In the interior are many largo colnmna, a floor of raricgated marble and magnificent bronze gates. The old Byzantino decorations have been marrod by Turkish inscriptions, and the grand effect of the interior is destmyed by the limpa, globes, and Inmignificant omnments hung up under the dome. Santa Sophin, origimally a Christinu cathedral, Was built ly the emperor Justiuinat (A.s), 531-8.) Sovernl of the Imperial mosques however in situntion, bolrlucas, and beaty far excol Santa Sophin, which externally in readered haleoum by the clumsy buttreasen that havo leen built againat it at different periodn to keep It frou falling. If the Turkn really copied tho dome from Santa Sophin they hare Improved on the original, which is comnparatively low and heavy, whint most of their cupolas aro lofty, light, aud clegant. This is particularly the cuse with tho mosque of the Sultan Achmet, which flank tho 11 ippodreme, and which may ho decmod altogether tho grandent edifico In Comatautinople. Among the other imperial mosquen may be named thowe of Solyman the Magnificeut, a masterpince of Siraccuic architecture ; of Mohamened Il., Bajazet II., Selim JII., Nustupha III., Dthman and Eyub, and the Valide moaque archers by the mother of Molammed IV. There are 36 Chriatian clurches and several symagogucs in the city. The collegee and hospltala, which aro generally nttached to or near tho great monques, offer no striklng architectural features, but nome of them are grand institutions of tho kind. The monque of Mohsmmed 1 V . in surrounted hy cight collogen, a house in which the pour are fed, an lompital, caravanserais, and hatlin, all surmounted hy cupolas corered with lead. Some of the detnched chapels or sepulchres
('turbés'), where sultans, viziers, and great personages repose, are handsome. The spacious barraeks erected by the late Sultan Mahmud for the Nizam, or troops of the line, may be reckoned among the public ornaments of the city and suhurhs. The government has established naval and military medical colleges, and numerous sehools, but the instruction giren in them is of a very confined and elementary character. The military hospital on the west side the city is a well-regulated estahlishment: there is also a plague hospital.
The puhlio baths, of which there are said to be upwards of 120 within the walls, with their very low and small and flat domes, do not contributo to the beauty of the city externally, though within many of them are exceedingly handsome and spacious. The public fountains are remarkable and numerous: some of them, with tbeir pure white marble façades, elaborate arabesque ornaments, and Chincse roofs, are most beautiful ubjects. The water is conveyed to Constantinople, as also to the suburbs of St. Dimitri, Pera, Galata, de. hy tho equeduct of the Sultan Mahmud, erected in 1732 , and by means of narrow subterranean aqueducts, and 'souterazi,' or hollow bydraulic pyramids, which latter are placed at certain inregular distances, and so coutrived as to overcome the iuequalities of surface presented by the country that intervenes between the beudts and the city. Within the walls tho lofty aqueduct of Velens still performs its duty, carrying the fluid neross a deep hollow.

Frora the sea Constantinople with its mosques, cupolas, and minarets, interspersed with dark cypressen, and with its port crowled with shipping, bas a very imposing and splendid appearance; but a stroll through the city soon dispels this illusion. With the exception of one very long street, which traverses the city nearly from the bigh walls of the Seraglio to the gate of Adrianople, the streets are namow, winding, filthy, and perilous from dogs and thieves; they diaplay no public buildings of any account, no tindo, no luxury, and are uncommonly dull and deserted. The houses are low, and mostly constructed with wood or rough stones. The 'gazeboo' or 'shah-nishins' (projecting windows) are latticed and closed like the windows of couvents; and many of the houses have no windows at all towards the street, but only a low, narrow, dingy door. All the life and activity of the interior of the city is concentrated in the bazanrs or bezestines. These are long wide cerridors, communicating with each other mostly in an iregular and striking mnmer; tbeir side walls are built of stone, and they are covered in with stone arehes or successions of domes, throngh which a subdued light is admitted. The dealers ars separated by nations or religions and by trades. As in most eastern towns, and formerly also in European towns, lersons who practise the samo trado or follow the same occupation live together in streets by thenselves. Tomards the evening the coffeo-houses, which are excessively numerous, though chiefly of mean appearance and dimensions, are much thronged by Turks, Arinenians, Grecks, and Jews, all smoking and indulging in tiny cups of coffee; which is generally drunk by the poorer classes, not only withont milk, but without sugar. The city proper comprises separato quarters for the Jews, Armenians, and Greeks. The Greek quarter called the 'Fanar' extends along the west shore of the Golden Horn, opposito Pera, and is connected with this suburb by a bridge of boats erected in 1837. The Turks leave commerce generally to the Armenians and Greeks, many of whom are very wealthy. The Jews of Constantinople are descendants of the Jews of Malaga and Granada, expolled from Spain in tbe 16th century; they still speak the Spanish langunge. The Turkish women in Galata and some otber parts of tho town are importunate heggars; the only male beggars
to be seen are Greeks and Dervishos. The city is badly lighted at night: tbere is a law enjoining its inhabitants to hang out a lamp on every fifth house, but it is very generally disregarded, as is also the law which commandsall persons going outafter dark to carry a lantern.

Tho commnnication between tho city and the opposite suburhs of Galata, Pera, and Tophna is kept up by means of caiques, or light fast wherries, tho constant passing and repassing of whieh give the port an animated appearance in tbe day-time. The imperial dockyard, tho arsenal, the artillery harmeks are all on the northern side of the Golden Horn, and tho elevated plateau of Pera is the residence of the foreigu ambassadors to the Porte, of the dragomans, Frank merchanta, \&c. An active communication is also kept up by the anmo means with Scutari, where caravana and trivellers are constantly arriving from various places in Asia Minor.

To an inhabitant of western Europo the number of dogs in Constantinoplo is a subject of astonishment. These animala are never domenticated but always live out of doors-wherever there is a dry mot in tbe filthy streets there they lio. They and the mats (which are numberless) are the only scavengers; they feed upon the offal thrown into the streets from butchers' shops and private houses, upou the earcasses of animala, and occasionally on the horlies washed out of tho sen upon tho sliore of tbe ljosporus, along which and in nome of the cemeteries they prowl in search of prey. They scem to have divided the city into wards, and no dog is allowed under pain of a desperatc worrying to trespass on his neighbour's territory. Tbey aro seldom knuwn to hite any person unless trodden upon. Hydrophobia in unknown in tho enst. Myriads of pigeons too are seen in the city, each mosque feeding a great number of these birds; and
in the harbour and along the Busporus vast numbers of gulls, puffu birds, ducks, herons, and other water-fowl are seen, fearless of man, as the Turks never molest much less kill them.

The port of the Golden Horn is safe, capacious, and beautiful ; but it has ons serious drawback which affects it as an emporium. During the summer, the Etesian or north wind blows unremittingly from the Black Sen down the Bosporus, the Sea of Marmara, and Straits of the Dardanelles, thus retarding the approach of all sailing vessels from the Mediterraneau and Egean to the capital. Sniling-vessels undertaking tho voyage upwards at that season are often detained two or eveu three months at Besica Bay or at Tenedos, on the coast of Truy, near the mouth of the Dardanelles, where whole fleets of wind-bound ships, laden with goods for the capital or the Black Sea, are frequently at auchor. This serious ohstacle can only be overcome by steamvessels. The first steamer that appeared on the Bosporus was an English boat, purchased by the Turkish government iu 1828. Now Austrian, Russian, French, and Englisb steamers ply regularly to Constantinople. The Golden Horn extends for uhout 5 miles from southeast to north-west between the eity and the suburbs of Pera, Galata, Tophana, Cassim Pasha, and St. Dimitri, and has a breath of from one to four furlongs, with depth enough for the largest ships. It is capable of holding 1000 sail and is generally full of mercantile and other ships, with a vast number of caïques, which ply between the city and the suburhs. In the suburb of Tershanna, which lies along the north shore of the Golden Horn, to the north of Galata, and west of Cassim Pasha, are the government arsenals and dockyards and the bagnio. The qunys of the harbour are good, and ships lie alongside. The suburbs just mentioned are the residence of foreiguers, and the priucipal commerce of Constantinople is carried on there. The present sultan has built a new palace in the Tophana suburb, which he inhabits in preference to the old palace at Seraglio Pont. The new structure is huilt of white marble, and has a nine effect rising from the water"s edge. There are also extensive cannon foundries in this suburb.
As a manufacturing town Coustantinople scarcely deserves mention; pipes and pipe-sticks, muslin handkerchiefs, costly saddlery, and horse-trappings are the principal articles produced. The foreign trade however is very considerable; it is ontirely in the bands of the Armeniaus, Greeks, and foreign merchants. The exports are made up of raw silk, opium, carpets, hides, wools, Angola goats' lair, boxwood, galls, hullion nad diminonds, yellow berries, madder, valonea, linseed, and bones. The imports comprise manu factures, colonial and other goods, not only for its own population but for a cunsiderable portion of both European and Asiatic Turkey. The chief articles of import are-corn, iron, timber, tallow, and furs, cbiefly from Russia; cotton stuffs and yarn, woollens, silks, coals, tin plates, tin, cutlery, jewellery, watches, paper, furniture, glass, drugs, and dye-stuffs, from western Europe ; comn and coffee from Eggpt (but considerahlo quantities of coffee from Brazil and the West Indies are imported in English aud American ships), wax, copper, drugs, gums, poreelain, rum, pepper, spices, \&c. ; sugar is imported partly from the East but chictly from the West Indies. The exports are always very much less than the imports. Between 5000 and 6000 ships euter and clear out of the port annually, but these numhers include many vessels on their way to or from the Black. Sea ports. Tbe uations principally engaged in the foreign maritime commerce of Constantinople are England, Greece, Austria, Russia, Italy, and the Ionian Islands. A considerable foreign trudo with Persia, Armeuia, and other eastern countries is carried on by caravans from the suburb of Scutari, which is built on the Asiatic shore of the Bosporus, oppusito the entrance of the Golden Horn.
Although the land in the immediate neighbourhood of Constantinople is neglected and desolate, there are many heautiful spots to the northward along the sbores of the Bosporus. Among these may bo mentioned Stenia, Therapia (the favourite resort of the Greeks in summer, and the sito of the summer palace of the French embassy), and Bujukderé, on the European shore; the last-mentioned is situated at the eastern extremity of a beautiful valley, and coutains many lovely gardens and the summer residences of most of the foreigu ambassadors. The vallcys and villages just named, and others in their neighbourhood, abound iu picturesque and beautiful scenery, neat cottages, and tbriving villages, situated among well-cultivaterl gardens. This elviable prosperity they owo to the immunities accorded to the foreign embassies, whereby they are exempted from the tyranny and extortions of the Pashas and Cadis, which have conterted the land about Stamboul generally into a desert. Nearly opposite Bujukderé, on the Asiatic shore, is Unkiar Skelessi, once a favourite resort with tho sultans, on the site of whose palace now stands a paper factory, built of whito marble, erected by Selim III. At the extremity of the valloy of Unkiar Skelessi is the Giant's Mouutain, or Juscha-Tagh, as it is called by the J'urks, who have a tradition that Juschn, or Joshua, was buricd on it. The Russian army in 1833 encamped on the Giant's Mountain and in the valley at its foot, and here the trcaty of Unkinr Skelessi was signed (June 26), whereby Turkey bound hemself to close the Dardarclles against the fleets of Englaud and France. Tho suburb of Scutari, which lias been merely mentioned in this article, is described under its proper head.

The Turks have ncver loaded trade with heavy duties or jealous prohibitions; their code cxtends immunitics and high cousideration
to merchants; but unfortunatoly thoso immutition aro not eujoyed by the consumers, or by sny class, and the culelrator of the suil is, or was till lately, the helplest viction of the extortion and tyranuy of the gorernmeut officers

A city stood hero in remote antiquity, the extont of which in proLably marked out by the prosent walls of the Seruglio. [Brzasitiux.] The prosent onlarged city was founded A.D. 328 , by the emperor Constantiue, hut the 11 th of May 330 in considered as the birthilay of the city. It took its name from Constantine, who enriehed it with treasirea of art taken from all parts of the lloman world. T'hough called the rival of Rome it could norer be compared to the Eternal City either in extent or population. The empire of the enst of which Cosistantinople was the capital, commenced with the reign of Arcadius, a 0.895 . In the anth year of the reign of Justininn the city wan almost entirely reduced to whes, in the memorable sedition of the Nike Justinian, who reigned from A.D. $52 \%$ to 565 , repaired the city, of which he is considered the second founder. The Persiaus, under Chosroes, maintainod a camp in sight of the city from 616 to 626 , and the Arars more than once during that period threatened Constantinople on the liurapean side of the Basporus. In the Intter sear the masterly campiniga of the emperor Heraclius delilivered the city. The Arabs for the first time besieged Constautineple A.D. 668-675, but baflled by the strength of the walls aud the strango effects of the Greek fire, tbey retired nfter losing $30,000 \mathrm{men}$. In the second siege, $710-\% 18$, they were again compelled to retreat. The IRussians attacked Constantinople in A.D. S65, again iu 904, a third time in 941, and a fourth time in 1043. In 1203 the Venctians, nader 'the blind old Dandolo,' and the Freach besieged, and in 1204 stormed aud pillaged the Imperial City, which then became the seat of the latin empire till 1261, when it was recorcred by the Greeks Tha Sultan Amurath II. hesieged Constantineple in 1422, but it was not till 1453 (May 29) that it was taken hy the Sultan Mohammed 11. Constantine XIII., the last of the Palseologi, fell in defence of the
 die than live').

CONSTANZ (Costnitz), the capital of the Baden See-Kreis, or Circle of the Lale, is situated on the southern shore of the Lake of Constauz, in $47^{\circ} 30^{\circ}$ N. lat., $9^{\circ} 10^{\prime} \mathrm{E}$. long., and has nbont 5000 inhabitants. It is fortified in theold style, with a high wall flanked by towers and a broad ditch, besides bastions on the western side aud the side of the lake. Kreuzlingen, one of its suburbs, separated from it by a ditch, is defended by two bastiona; and Petcrshauseu, which lies on the other sido of the ntrait that comnects the Bodensee and Untersee, is united to Constanz by a covered wooden bridge, on which tbere are grinding and sawing inilla In this last suburb is the castle of Fecershausen, a fortrese, the works of which have heen converted into pleasure-grounda There is a third suburb, called Paradise, in which John Husa and Jerome of I'mgue were burat. The most remarkable buildings in the towu are-the cathedral, which contains a magnificeut highaltar; the church of St. Stephen; the Kauflanus, or wart, once a Carthusiau monastery, built in 1398, whicb contains the hall where the council of Coustanz ast (1414-18) whiell asserted its right to elaim obedience even from the pope himself, deposed popes Benediet XIII. and Jolin XXIII., elccted Jartin V., and condemmed the tencts of Il use and Jerome of I'rague ; and the old Dominicaumonastery on the Island of Genf. Constanz is the seat of rarious official departments, and has a lyceum, symaasium, bospital, and Domiaican nuunery for the education of young females. In the 15 th century its population was above $25,00 \mathrm{U}$. The chief occupations are trade, fisherics and gavigation, the cultivation of vineyards nud gardens, brewing, and mome מanufactures of silk, cnlico, and watches. Stemners ply between Conatanz aud the different ports on the lake. Constanz is one of the oldent townm in Germany, nad wome think that it occupies the site of the ancient Chanodornm. It wns for a long time a free lmperial town. A trenty signed here in 14i4 botwecn tho emperor Sigimund aud the Swineconfederation put an end to the longstruggle betweou Auntria and Switzerlnud. Constanz loelonged to the crown of Austria from 1512 co 1810 , when it whe transforred to Buden by the trasty of Premhurg. 'Tho binsoprio of Constauz was suppressed in 1802 Constanz hin magnotic communication with Zurich.

CONSTA : $\%$ \% (Bodensee Contuitz), a large lake iu the nouth-west of Germany, on the confines of Iuvtrin, Bararia, Wiirtembers, Barlen, and Switzerland. It lies between $47^{\circ} 28^{\prime}$ nnd $47^{\circ} 45^{\prime} \mathrm{N}$. Int, $9^{\circ} 2^{\prime}$ and $g^{\circ} 44^{\prime}$ l. long. It is 1233 feet abore the level of the ren: its greaicat leugth, from liregenz to Hodmann, is about 15 miles; its grealent loreadth, between Moralinch and liriedrichshafon, is about 18 milos, and ith arcrage depth is 320 feet, tho greatest being 061 fect. The lake ie divided into the Ulper mad Iower Lakem, of which the UPpor, which is ly far the most considernble, extends from Bregenz to Combanz The Lower lake in mblivided into lanke \%ell, or Folleree (which io about bofoct deep, and contalns the fortilo inland of leichonsu, belonging to lablen), and the Lower Lako (Unternoe), turough which the lhize flowe. The merthernmost bight, wlich cuntains the inland of sheinau, almo belonging to landen, and the lnlaut of Lindau, in called Lake Borlmer, or the Ucberlingenme. The khine entern the inke at Rheineck and lowen jt at Stein. Alove 50 larger aud emaller atreame emply themselres Into Lake Conntauz. Uwing to its great deptli it is seldom frozen over, but this lins sometimes occurred.

It has on several occasions becu suhjoct to sudden rising of the waterm. In 1519 it rose four or five timen in ono hour upwands of 2 feot above ite orlinary level; in 1760 it rose in oue hour from 20 to 24 feet sbove tho onlianry lovel. There is a considerablo traffic ou the lake In corn, timber, cattlo, winc, fruit, \&c. About a dozen steambate ply betweon the several towns along its shores. Many kinds of aquatic and marah fowl froqnent Lake Constanz, and it coutains a great varicty of shell-finh and other fish, particularly trout, pike, carp, and sulmon (Salmo murana). Tho wine, called lakowine, grown along the lake, is rongh, lut becomes excellent when old. The Lanke of Coustanz and its curirons, preneut the most vnried and picturesque scenery in Germany. It is meutioned by ancient writers under the name of Lacus Brigantinus. The Helvctians lived to the south of the lake, the Rhaetians on the south-east, and the Vindelicinss on tho north. In ancient timos it was surrounded by dense foreaks, through which however the Romans carried a roal, traces of which still exint nt some distance from the northern shore. Tiberjus built a fleet on it in order to attack the Vindilici, whom he conquerod in a maval battle fought usar an island iu the lake, probably the island of Reichenas. (Strabo, vii. 292.)

Two railroads new terminate on the nerth shere of the lake, one at Lindau, which ruus through the Bavarjnn territory to Augaburg, and the other at Friedrichshafen, which traverses Wurtemberg ruaning through Bioberach and Ulm to Stuttgardt. EFlectro-telegraphic wires are laid down along botb these liness

## CONSUEGRA [Castilla-La-NUEVA.] <br> \section*{CONVEIRSANO. [Bart, T'eura Di.]}

CONWAY, more properly CONWY, or as it is sometimes called, ABER-CONWY (Conwy-Mouth), Caeraarvoushire, a market-town, municipal and parliamentary borough, and the seat of a l'oor-haw Union, in the parish of Conwsy aud hundred of Inaf, is situated near the month of the river Conway, on its left hank, in $53^{\circ} 10^{\prime} \mathrm{N}$. lat., $3^{\circ} 50^{\prime} \mathrm{W}$. Jong. ; distant 22 miles N.E. from Caernarreu, 223 miles N. W. from London by road, and 233$\}$ miles by the North Westera and Chester and Holyhead railways. The population of the borougb in 1851 was 2105 . Tho borough is geverned by a mayor and corporation and is a contrihutory borough to Cncrmarron in returning a nember to the Imperial Parlianent. The living is a ricarage in the archdeaconry and diocese of Bangor. Conway Poor-Law Union contains 15 parishes and townships, with an area of 35,196 acres, aud a population in $1 \$ 51$ of 11,616 .

Some antiquaries consider Coumay to be the sito of the Romau station Conovium; others place Conovium at $n$ village now ealled Caer-IRhun, 6 miles higher ap the river. Conwry Castlo was built by Edward 1. in 1253, for the purpose of keeping bis Welsh subjects in check In 1290 Edward was besieged here by tho Welsh, muder Madoc, and was reduced to great extrenity by famine, but he was at length relieved by the arrival of a fleot witb provisions. When Kichard 11. landed in Wales from Inelnad to attack Bolingbrole (arterwards Henry IV'.), on fiudiag tbo disaffection of his arny nnd nobles ho took shclter in Conway Castle, wleuce le was soon afterwards allured and delivered to his enemies. The parliament respected this noblo edifice when they dismantled mont of the other castles iu Walos but the roofs and floors were afterwarld removed by tho Earl of Cowway, to whom it was grantod after the leatoration. One of the towers hns a large breach in the lower part, caused by the iuhatitants nudernining it whilo digging for slates. The strengeli of the mesonry has kepot the upper part iu its place.

This fortress, one of the nohlest piles in Britain, is in for.n nearly a parallelogram, oxtending aloug the verge of a precipitous rock on tho south-cast sidu of the town: two of the sides aro within the walls of the town; the others are walsed, one by the Conway, which liere cxpand into an astuary, the other by a suall stream which flows iuto the Conway. The walls, whichare partly coverod with ivy, aro frum 12 to 15 fect in thicknens, flanked on ench of thetwo sides without the town by fonr rast circnlar embnttled towers with sleuder turrets rising from tbem. The grand cntrance was on tho west, towards ths town, but there win a comumaication with the river by a small adrnuced work and a narrow flight of steps cut out of the rock. The interior consiste of two courts; the npartments nre onls in a few ingtanecs traceable. The stato linll was about 130 foot in length, 32 feet broad, and 30 feet high. The roof was mpported by eight nrelses, some of whicls still remain. The mayor of Couway is constablo of tho castle.
Tho Lown ls still surrounded by its nneient walla, which mee strengthened at intorvala by 21 towers, bealden two towern to each of the three entrances. The streets of the town are unrow nul irregular, and many buildings aro in a ruinous condition. Of the houses a large proportion are conativchal chicfly of tiuber. One renarkable building, called the llas Mawr, or Great Mansion, is an olject of mueh interesto It in in tho Elizabethan stylc, and was erocted iu $15 \%$. The roons are profuecly ormamented with tigures, conta of arms, scrolla, dec., and monue are carved iu onk Devices of a similar deseription ormameut the exterior of the honse. From the turret a fine view of the town and vicinity ls obtained. The parisb churel, whichs stands near tho ecutro of tho town, oecupics tho site of the conventunl chnels of a Cintercian abbey, founded bere iu 1185 , by Llewelyn ap Jorwerth, prince of Wales. The church in a vencrable
and commodious edifice; the earliest parts, which sre in the gothic style, date from the beginning of the 14 th century. The Independents, and the Wesleyan and Calvinistic Methodists have places of worship in Conway. There are here National schools for boys and girls, and a parochial lending library.

In the river, about 100 yards from the rock on which the castle stands, is an insulated rock, eastward from which, for ahout half a mile, extend sands covered by the sea when the tide is up, hut dry, with tho exception of a narrow channel, at low water. When the improvement of the communication with Irelaud was under the direction of parliamentary commissioners, it was determined to throw a suspension-bridge from the castle rock to that in the river (between which rocks is a deep and rapid tideway), and to connect the latter with the eastern shore by au embankment across the sands. The works were begun in 1822 and finished in 1826 by Telford, the celebrated engineer. The amount of puhlic money voted for the construction of this bridge was $40,000 l$. The lengtil of the bridge, measured between the centres of the supporting towers, is 327 feet; the height of the underside of the roadway above the high water of spring tides, 15 feet; the embankment, which is of mouutain clay faced with stone, is 2015 feet in length, and averages 9 feet in height above the high water of spring tides, rising to 13 feet at the end next the bridge: the width of the base at the lighest part is 300 feet, the breath at the top 30 feet. The spring tides in the Conway rise 21 to 24 feet. Near this bridge is the wrought-iron tubular hridge, constructed in 1848 by Mr. Rohert Stephensom the engineer of the larger werk on the same principle, the Britannia bridge, over the Mcnai Strait. Both of these works form part of tho line of the Chester and Holyhead railway. The Conway tubular bridge cost 110,000 . The length of the tube is 400 feet. Its height above high-water mark is 18 feet. The lino of railway runs immediately under that portion of the castle wall on which is the hroken tower mentioued above.

The town and trade of Conway have been considerably improved sinco Telford built the suspension-bridge. Ship-building has been carried on to some extent, and several large vessels have been built. The harbour is convenicnt. Timber and slate are exported. The market-dry is Friday; fairs are held on March 26th, April 30th, June 20th, August 10th, September 16 th, Octoher 20th, and November 15 th. Conway is considered, as a place of residence, farourable to health. Numerous lodging-houses are here for the accommodation of visiters freqneuting the town for sea bathing during the eummer. Pearl oysters have been found in the river Conway, near the town.
(Parry, Cambrian Mirror; The Land We Live In, vol. iii.; Communication from Conway.)

COOCH BAIIAR, or COOCH BEHAR, a principality occupying the north-east extremity of the province of Bengal, and lying between $26^{\circ}$ and $26^{\circ} 30^{\circ} \mathrm{N}$. lat, and between $88^{\circ} 52^{\prime}$ and $89^{\circ} 52^{\prime}$ E. long. This principality, which once formed the western division of the ancient kingdom of Camroop, has long been in a state of absolute dependence on the English government. The revenuo is about $13,200 \mathrm{l}$. a year, of which one-half is paid to the British government in name of tribute. The extreme length of the principality from enst to weat is 60 miles, and ies mean hreadth about 22 miles; the area is 1364 square miles. The population of the principality is estimated at about 140,000 .
The distinctive name, Cooch, has been giveu in order to mark the difference between this principality and the province of Bahar. This name, Cooch, is derived from that given to the majority of the inhabitants. Many of the Cooch tribes have relinquished the practices of their ancestors and havo adopted the Brahminical faith; while others who inhabit the northern quarter of the principality, near to the fronticr of Bootan, continue rude and barharous in their habits. The southern parts of the principality are much improved by culture, and aro of considerable fertility; but in tho north the country is low and marnhy, and contains abundance of thick jungle. A considerable quantity of opium is produced, as well as indigo, and some cotton. Wheat is cultivated, and a little barley. Trade between the principality and the adjoining British territory is perfectly free, and the people have also commercial dealings with Asam and Bootan. The sovereign of this country is described in the Ayin Akbari as having heen a powerful chief, having Asam and the whole kingdom of Camroop under his sway, his territory being bounded F. by the Brahmapatra River, S. hy Gorhaghaut, W. hy Tirhoot, and N. by the Tibet Mountains. This country was conquered hy the Moguls ahout the year 1660. In 1772, wheu the East India Company had succeeded to the rights of the Mogul emperor, the raja of Cooch Bahar applied to the collector of Rungpoor for protection against the attacks of the Bootaners, hy whom he had been reduced to great extremities. The raja offered to pay an annual tribute to tho English, equal to onehalf of his revenuo, which offer heing accepted, a British force was deapatched to his assistance, and the Bootaners were made to retire precipicately. The tribute having fallen into arrear once and again, and at last in 1813 the affairs of the district having fallen into confusion, and the country being in a state of anarchy, a resident Fnclish commissioner was appointed by the Governor Generul. The raja was compelled to dimaiss his ministers, and to appoint others on the nomination of the English government, and a system of criminal
jurisprudence was established, which was administered through the agency of the British commissioner.
(Ayin-i-Akbari; Rennell, Memoir of a Map of Hindustan; Mill, History of British India.)
COOK. [Wales, NEw South.]
COOKHAM, Berkshire, a village, formerly a anarket-town, and the seat of a Poor-Law Uuion, iu the parish and hundred of Cookham, is situated on the right bank of the Thames, in $51^{\circ} 30^{\prime} \mathrm{N}$. lat., $0^{\circ} 42^{\prime}$ TY. long., distant 28 miles W. by N. from London. The living is a vicarage in the archdeaconry of Berks and diocese of Oxford. Cookham Poor-Law Union contains 7 parishes and townships, with an area of 30,430 acres, and a population in 1851 of 11,768. Further particulars respecting Cookham will be found under Berkshire.

COOKSTOWN, county of Tyrone, Ireland, a post-town and the seat of a Poor-Law Union, in tho parish of Derrylaran and barony of Dungranon, is situated in $54^{\circ} 39^{\prime} \mathrm{N}$. lst., $6^{\circ} 45^{\prime} \mathrm{WV}$. long., 109 milcs N . by W. from Dublin, and 14 miles $N$. from Dungannon. The population in 1851 was 2993 , exclusive of 296 persons in the Union workhouse. Cookstown Poor-Law Union comprises 16 clectoral divisious, with an area of 96,478 acres, and a population in 1851 of $38,740$.

The town consists of one very long and wide street, occupying the line of the lcading road from Armagh uorthward to Coleraine and Londonderry. A double row of trees gives the street tho character of a mall. The public buildings are a neat market-house, sessions courthouse, linen-hall, parish church, two Presbyterian meeting-houses, and the Union workhouse. There is a considerable trade in linens. Killymoon castle, in the vicinity, is a handsome edifice in the gothic style, from designs by Nash. The plantations which adorn the demesne give additional interest to the appearance of the town. The Ballinderry river runs through the Killymoon grounds.

COORG, or CADUGA, a small principality which occupies the eastern part of the mountaiu range called the Western Ghauts, and cxtends from the Tarnberacherry Pass, on the south, iu $11^{\circ} 25^{\prime}$ N. lat., $76^{\circ} 20^{\prime}$ E. loag., to the river Hennarutty, on the confines of Bedune, on the north, in $12^{\circ} 42^{\prime} \mathrm{N}$. lat. The greatest length is about 70 miles, and the mean breadth about 22 miles. It is bounded N. by Canara and Mysore, W. and S. by the province of Malahar, and E. by Mysorc.
The country presents a succession of hills and vallcys, enjoys a temperate climate, and has a fertile soil ; in many parts it is well cultivated, in others it is overrun with jungle, which is the resort of wild elcphants and many bensts of prey : some considerable forests also occur, and from these a good deal of sandal-vood is obtained. The Tungha sad Bhsdra, which after thcir junction are called the Toombuddra, and the Cavery, have their sources in the Coorg country. Rice is produced in sufficient abundance to allow of exportation to Mysore. Considerable quantities of cardamom-secds are raised and exported. There is abundance of excellent pasture, on which great numbers of cattle are reared. The manufactures of the country are confiucd to a coarso kind of blanket. Periapatam, in $12^{\circ} 22^{\prime} \mathrm{N}$. lat., $76^{\circ} 11^{\prime} \mathrm{E}$. long., was formerly the capital of the principality, but its proximity to the Mysore territory occasioned it to be abandoned in favour of Mercara, which is now the residence of the raja and the seat of his governmeut. This towu stands surrounded by an amphitheatre of hills, in $12^{\circ} 26^{\prime}$ N. lat., $75^{\circ} 30^{\prime}$ E. long. The fort is a peutagou, with towers and bastions; within this is the raja's palace, which is handsomely furnished in the European style. Coorg was eedcd to the British in full sovereignty in 1834. The raja of Coorg brought his daughter to England in 1853, for the purpose of having her instructed in the Christian religiou. She was received by the Queen, and the duty of superintending the young lady's educatiou was committed to a person approved by her Majesty. At the raja's request his daughter was haptised according to the mode of the Church of England.
COOTEHILL, county of Cavan, Ireland, a post-town aud the seat of a Poor-Law Union, in the parish of Drumgoou and barony of Tullaghgarvey, is situated in $54^{\circ} 5^{\prime} \mathrm{N}$. lat., $7^{\circ} 3^{\prime} \mathrm{W}$. long., 73 miles N.N.W. from Dubliq. The populatiou in 1851 was 2105, hesides 1101 iu the Union workhouse snd other public institutions. Cootehill Poor-Law Union comprises 19 electoral divisious, with an area of 105,848 acres, and a population in 1851 of $44,333$.

Cootehill lies on the road from Kingscourt to Clones, and has foul principal streets, which are wide and substantially huilt. It contains a neat church, besides chapels for Roman Catholics, Presbyterians, Methodists, Morsvians, and Quakers. There is lere a brisk trade iu linens, and a large market for agricultural produce. Tho town stands at the western extremity of a series of lakes which are navigahle for the greater part of the distance ( 7 miles) heuce to Ballybay. Tho neighbourhood is well cultivated, aud adorned with numcrons demesncs and mansions. Quarter sessions for the couuty are held at Cootehill. There are here a bridewell, a dispensary, aud a station of the constabulary force. $A$ fair is held on the second Friday in each month.
COPENIIAGEN (K'jöbenhavu, 'Merchants' Haveu'), the metropolis of the kingdom of Denmark, is situated partly on the east coast of the island of Sizoland, at tho woutheru extremity of the Souud, which is here ahout 14 miles broad, and partly on the northern coast of the small island of Amager or Amak, in $55^{\circ} 40^{\prime} \mathrm{N}$. lat., $12^{\circ} 34^{\prime} \mathrm{E}$. long., and had a population of 129,695 in 1850 . The city is about 8 miles in circumference; in this space are included the harbour and docks. It is divided into threo principal districts-the Old Town, or Aldstadt,

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the Sow Town, or Frederickstadt, and Chriatianamen on the inle of Amak. Theac thee quarters are surrounded by ramparte and ditcics, and defended by $2 f$ bestions, besides outworks, and towarle the sen on the nortb-enst by a very atrong citadd called Fredcriekshavn, whicb is a regular polygon, with fro bantions, and is joind to the city by an euplanade. Withont the wal' \& there aro three muburbe. The city is divided into 12 quarters, and contains 10 publie nquanes, 5 market-placen, 8 royal palacea, 8 panchfal aud several uthor churehes, a lioman Catholic chapel, 3 Asyagogues, 8 theatrem, eeveral horpitale, a foundling mylum, and 80 porhousea. Whth the exception of some of the public building the architeotnre of the city in entirely deroid of beauty. The houses aro built of hrick and atucco in the plainent and most uninteresting style. Neverthelean its smpect on emerging from tbe narrow entrance into the port, whioh in capable of containing 500 merchant vemels besides the whole Danish nary, Is grand and etriking. The eity la untered by four gates, one of which is on the lale of Amak. The rmparts of the town and citadel are planted with trees, and form pretty walks. The entrance to the harbour ls defended by the Trekroner battery.

The Aldstadt, the most western guarter, is separated from the Now Town by a caml and hy a street called Gothers Gade, which commences at the city walls a little enst of the Nortb Gate, and runs pearlp north and eoutb to the 'Strommer,' or channel that separates the islaud of Sceland from that of Amak. The Aldstadt is uuited to Christianahavn by a drawhridge near the exchange. It consiats for the most part of narrow winding stroets ; it comprises however the Castlo Istand, on which staud the Cbristianborg palace, the exchange, the bank, aud Thorwaldsen's museum. In this quarter also are the university and several of the finest churchos, and the Gammel and NyoTort, or Old and New Market-a large open space near tbo West Gate, on one side of whicb is the Raadhutus, a plain building, in whlch the conrts of jnstice are held. The royal palace of Christianborg, originally built hy Christinn V1. between 1782 and 1740 , was burnt down in 1795 , but hes been since rebuilt on a vast ecale. The principal façade in the Slot-Plades, or Palace-square, is remarkable chiefly for its great dinemsions and for the four bas-reliefi of Thorwaldsen orer the entmace, representing Minerva and Prometheus, Hercules and llebe, Jupiter and Nemesis, and SFsculapius and Hygeia. The Riddersal, or bowquetting-hall, in this palace is unequalled in Europe for the grandeur of its proportions. The spartunents ane decorated with paintingn, friezen, and eculpturce by Dawish artists, In the eutranceball is the Triumphal March of Alexander into Mabylon, by Thorwallect. In connection with the palace are royal gallerjes of paintings; the royal chapel; a supreme court of justice; a library, in which are 400,000 volumes and above 15,000 manuscripts; a valuahle collection of above 90,000 engravlngs; an arsenal, in which arms from the carliest period to the preaent time are arranged in chronological order; and a Museum of Northern Antiqultics, which contains rery pumerous apecimens beautifully arrauged in periods designated from the raaterial of which the autiquities are made-stone, flint, hronze, iron, de. On the north side of the palace stands the Thorwaldsen Museum (a hnadsome huildingsurnounted by a colossal statue of Fame), whicb contains cauts of all the works of that great master, and several mablo ntatues prescuted by hlm to him native city. The other remark ahte huildings in this quarter aro- Yor Frue Kirko (Our Lady's church), which was almost dootroyed during the bombardment of the city in 1807, hut has been since completely restored, and ormamented with masy of the works of Thorwaldsen, who was buried iu this church; the Helliggeistes Kirke (CLurch of the Iloly Glust) ; Trinity church, on the top of whowe singularly-constructed round tower (whicb is 115 fect high) au ubservatory is crected; and the University; Which was founded in 1478 lyy Christian I. Tbis university la atterdeal by about 1100 studente, and has a library of 100,000 volumen, which are kept in the upper part of Trinlky church, a collcetion of mnnuscripts relative to uorthern and lcelandic history, $n$ museum of northern antiquition, a botanical gardon, a cahinet of natural history, a theatre of anatomy, dc. In the Kongeu's Nye-Tory (King's New Market) an Irregular apace of great extent nearly in the centro of Copenhagen, abore twelro of tho principal streecs meet; In one of thenn, the Unerer Oade, are the best shope In the capital. On the south sinle of the Torv is the palace of Charlottenborg, a huge, desolnte Inoluing luilding, which wan giveu to tho Academy of Arts lu 1788: it coutalna a galiery of cants from the entlque. The grounds of the palace have Leeu onnverted Into $a$ botanical grarden. To the went of the palaee in the principal theatre. In the ceutre of the Torv in a colosal equestrian athtue of Chriating V., made of learl, and of little merit.
The New T'own is the mont eantern quarter of the city; the southern part of it, callerl Y'rederickntalt, is the fluest portion, hut the whole of It to laid out In lrowd and regular atreota, monue of whleh however aro unfinimbel. Here la the Cartle of llanenborg, In which are deposited tbe cruwn jewoln, a beantiful collectlon of oljeects of art, nrmas and contumes belonglug to Danish kinga, and a cahhet of coins and modals. Tho catlo garilcus, which are extenslre, nro cinbelifised with ntatues, and form a puhfic promeuale. The Cantle of 1 Rowenborg was erected in 1601, mome eny from a dewign by Inigo Jonen It In an liregular Sotbic atrncture, built of rul hrick, with a high pointed roof, and Hankel hy four towers. It originally etoot rithont the walls, and
wha fortided: its defencos have disappoared since the cxterssion of
the olty walla in 1609. The Riddersel, the mont spacious room in the matle, is lined with tapeatry representing the battles of Chrintian V: Fredericks Plade, one of the fineat open places In the Now Town, Is a circus divided lato four cqual portions hy four atreets which run through it. The circus in inelowed by four palaces, two of which aro inbabited by the king and the otharn by nembera of the royal family. In the centre of the circue is a molal oquestrinn statue of Frrederick V., mounted on a perlestal of whito Italian marhila Between the circum aml the citadel are the Almfudelig aud Frederick hompitale; the latter facos the Bred Gnde, In which are the IRoman Catholic chapel and the garrison oburch. The Fralerick church, whleh was commenced on a grand moale, has been long left in an unfinished State. Between the gardens of the cartlo of loseuborg and the city walls are exteusive ranges of harmoks ; and a little way outaide the enstern gato is the naval cemetery, in wbich is a monolithlo obelisk of Norwegian marhle, erected in honour of those who fell in defonce of the city on the 2nd of April, 1801.
The third division of Copenhagen Is Christianshavn, situnted on the island of Amager, and nnited to the town by two bridges. The narrow arm of the sea which separates Amager from Seeland forms an amirable harbour, whicb is the great naval station of Nenmark. In this quarter, which presente regular well-built atreeta and handsome equares, is Vor Frelsers Kirke (Our Savionr's church), the finest in Copenhagen, surmounted by a tower, 288 feet In height; and the warehouses of the Danish Fast India Company. In this direction aro situatod tho two smaller lslands, Fredoriks Holna and Nyo Holm, whleh aro united by a bridge, and coutain the stores, dockyand, slips, and arsenals of the Beet, de. On the island of Amager is the Amagor Torv, which is used as a bab and vegetablo market, and present an attractive sight; the Amagern (descendanta of a Dutch or Frisian colony, settled here in 1516 by Christian II.) retaining atill tbeir original F'ricaland costuma The Royal Museum of Natural llistory in the Stomn Gade containa extensive collections of shells and minerals; it is peculiarly rich in insects, comprising those of Brazil, the East Indies, the Caye of Good lope, and Europe. It possensea also a great variety of birds, fishes, and reptiles. Iu the miucralogical colloction is the famous Kongsberg mass of ailver, 6 feet long, 2 feet broad, and 8 inches thiek, as it was taken out of the Norwegiau uine. Outside the weat gate, ju the nuburb of Venterbro, is the Muerskabs Tbeater, the favourite theatre of the humhler classes; and near it the Tivoli gardens, the nost frahionable place of resort in summer. Near the west gate, also on the rond to the Roeskilde railway, is a column of Bormholme stone, called the 'Statue of liberty,' and erocted in 1788 in commenoration of the abolition of feudal servitude by Chriatian V11. On its wides are emhlematical bas-reliefs and inscriptions. About half a mile from the Weat gato is the Palace of Fredericksberg, situated upon an eminence which commands eplendid laud and eca views. The grounds aro laid out in the English style, and open to the public. A beautiful aveuue, shaded hy noble chestnuts and lime-treen, and about a mile Iu leugth, leads from the Vesterbro suhurh to the entrance of tbe park, and is liued on both piden with pretty villas and ten-gardens. Outside the north gate is the priacipal cemctery, which is laid out like a garden, and is a favourite walking place with the townspeople. To the north of the city $n$ road rums along the Sound, atfording vlows of the Swedish const and of the islo of Hvean, with the ruins of Tyeho Brahe's observatory, Uranionborg, upon it. On the land side aro many pretty villas and an oxtomaivo foreat, called Dyrhave, or Deerpark, wbich is mueh frequented hy the Danes ln sumpier.

Copenbagen is the seat of the metropolitan bishop of Denzark. It contains 22 hospitals, a naval hospital, and other benevolent lnatleu. tions for buman Infmition. Besides the librarion alroady namod the cily possesses the Classensche library in tho Arualio Gade, containing abore 40,000 volumes. Among the establishments for bigher olucar tion aro the Military lligh seliool and the Pulytechnio sebool. The principal learned socletios are the lloyal Acadouny, the Socioty for Promoting Northern llistory and Languages, a Society of Natiomal Economy, Societics for leolandio Litorature and for Northern Antigulties, and meveral reading cluhs, some of which have good libraries.
The chief nource of employnsent for the population of Copeuhagen in oommerce and uavigatiou, whlch are greatly promoted by tbe liant India Company and varions commercial msocintiona. In the harbour there in a depth of 17 or 18 foot, aud vensels load or unload alongaide the quayn. The auchorage in the roads ontaile the boom is also good and mafe. liy means of canals large elips reach the warebounem and the contre of the city. The harbour of Copenlagen in the station for the naval force of Deumark; in connection with the naval harbour are, n cannon foundry, naval arseual, and shipbuilding docks. Including the forcign, colouial, and coasting trade, about 4000 vessels of all sizes enter and elear out of the harbour aunually. The lmports comprise timber, pitch, and tar from Sweden and Norway; llax, hemp, masts, milcloth, and cordage from IVuain; coffee, augar, and other Vient India produce; tohacoo from Anerica; wlne and loraudy from Fravee ; onl, earthenware, Iron, steel, salt, and manufactured goods from Fingland. In the gear 1819 the importation of coffee munounterl to $9,510, \$ 11 \mathrm{lba}$; sugar, 19,1 个 $7,206 \mathrm{lbs}$; Cobacco, $1,944,156 \mathrm{lbs}$; wool, $802,706 \mathrm{lbs}$; train-oil, 10,580 casks ; fish-fnt, 1316 onsks. These artleles also euter into the exporta. The exports connist chiefly of agricultuml produco-corn, rapo-seed, oil-cake (of which 13,738 caaks
were exported in 1849), butter, cheese, beef, pork, horses, eattle, wool, hides, skins, bones, grain spirits, \&c. Copenhagen has a great number of spirit distilleries, several breweries, vinegar distilleries, sugar refineries, soap-hoilers' works, manufactories of tobacco, cloth, cotton goods, hata, gloves, linen, cordage, and silk; numerous tanneries, ironfoundries, \&c., and a royal china manufactory, in which the choicest of Thorwaldsen's designs are reproduced in bisque china. General trade has rather declined, principally in consequen of Altona being a free port, and of the high port charges at Copenhagen. A railroad, 15 miles in length, connects the city with Roeskilde. There is a railway also with electro-telegraphic wires to Elsinore.

Copenhagen was founded hy Bishop Axel in 1168, when it was only a poor hamlet of fishermen; hnt as a town Copenhagen dates only from the 13 th century, and as a city only since 1443 , when, having been much enlarged, it received municipal privileges and hecame the royal residence. Previously the capital of Denmark was Roeskilde. In the winter of I658-9 it successfully withstood a long siego by Charles XII. of Sweden. On the 2nd of April 180I Lord Nelson gained liere a great naval victory over the Danish fleet, the effect of which victory compelled Denmark to shandon the alliance with Napoleon against England. Copenhagen was bombarded hy the British army under Lord Cathcart in 1807, when vast injury was done to the city and a large uumber of the townspeople were killed. The city on this occasion capitulated, and all the ships and military stores were conveged to England, in order to prevent their being of service to Napoleon ln furtherance of his design of invading England.
The olimato is damp and unhealthy; the water is bad; and the mortality is said to he greater than in any other town in Derimark.

COPPERMINE RIVER is a river in North America, which falls into the Arctle Ocean. It rises in a rocky country, near $65^{\circ} \mathrm{N}$. lat., $112^{\circ} \mathrm{W}$. long., where a series of lakes unite and form the river. The river first runs nearly due north, until it has passed $66^{\circ} 30^{\prime} \mathrm{N}$. lat., when it turns west aud flows along the foot of a rocky hut not high chain of monntains. Ifaving attained $116^{\circ} 30^{\prime} \mathrm{W}$. long., it turns ahruptly north, and breaking through the mountains continues its course in a northern direction to its mouth, $65^{\circ} 50^{\prime} \mathrm{N}$. lat., and near $116^{\circ} \mathrm{W}$. long. Its whole course may be ahout 300 miles. It contains numorous rapids, but none which form insuperahle difficultios to canoes and boats which descend the river. The mouth of this river was the first place on the coast of the Arctic Sea of America which was visited by Europeank (Franklin and Richardson.)

COQUIMBO. [CHILI.]

## CORBRIDGE [NOBTHUMBERLAND.]

CORBY. [Lincolnsmire]
CORCYRA. [Ionias Islaxds.]
CORDOVA, or CORDOBA, a province of Spain included in the great territorinl division of Andalucia, is bounded N. by the modern province of Ciudad Real (La Mancha), N.W. hy the modern province of Padajoz in Esetrenndura, S.W. by the province of Sevilla, and E. by the province of Jaen. It is situated between $37^{\circ} 13^{\prime}$ and $38^{\circ} 37^{\prime}$ N. lat., $3^{\circ} 68^{\prime}$ and $5^{\circ} 35^{\prime} \mathrm{W}$. long. It is of a triangular form, each of the three sides being from 80 to 90 miles in length. The area is SI 60 square miles. The population in 1849 was 348,956 .

A general description of the provinces comprised in Andalucia is given under that head. [Axdalocia.] The mountain range of the Sierra. Morena extends from east to went across the uorthern part of the province of Cordova: the Montes de Granada extend into the southeri part, and there termlnate. The Guadalquivir flows from east-north-east to west-south-west across tho centre of the province, receiving on its northern bank, from the nouthern slopes of the Sierri Morena, the Rio de las Leguse, the Guadamellato, the Cuzua, the Ouadiata, and the Bembezar. From tho northern slopes of the Sierra Morena the Guadalmez and Guadaramilla flow to the Guadiana. The Guarlajoz is the only considerable river which enters the Cuadalquivir hy the southern bank.

Tonons. - The city of Cordova is the capital of the province. [CORnova.] Alcolea, 9 miles E.N.E. from Cordova, is a small town on the northern bank of the Guadalquivir, which is here crossed by a fine hringe of black marhle. Raena, 25 mlles S.E. from Cordova, occupies the side of a conical clevation, the summit of which is crowned by a castle once the property of Oonzalo de Cordova, the 'Oreat Captain.' The town has a good plaza, and contains two churches. Tho population in 1845 was I2,914. The neighbourhood is very fertile. Ahout nix miles northward a solitary farm-house marks the site of the Castrum Priscum of the Romans, a town of some note in ancient times. Many cinerary ums and other Roman antiquitics lave been rlog up in the vicinity, Cabra, 30 miles S.S.E. from Cordova, is a rich agricultural town, murrounded with gardens. It is a tortuous place, situated between two hills, but the streets on the level ground are handsome, and are cleansed by running water. The plaza is irregular, but striking. It has a college, and manufactures of hrickn, tilem, linen, and soap. The population in 1845 was 11,576 . Castro-del-Rin, 18 miles 8.F. from Cordova, contains threo or four churches, and has manufactures of wool and hemp. Populatiou 9000. FuenteOrejuna (Sheep-Well), 45 miles N.W. from Cordova, occupies the flat mummit and sides of a hill of considerable elevation on the Sierra Morena. The plaza, church, and somo of tho huildings are on the summit of the hill, but soost of the houses, which are of one story,
are on the sides of the lill, surrounded by gardeus and vineyards, and bounded hy walls and other defences, leaving the base of the hill entirely open. The wells which give name to the place are at the bottom of the hill, on the western side: population about 6000 . Hinojosa, 45 miles N.N.W. from Cordova, has wide streets, with very small houses, generally of one story, white-washed, and very clean and neat. Each house has a garden or small court. It is a Moorish town, aud has a population of about 8000 . Luscena, 33 miles S.E. from Cordova, and 3 miles S. from Cabra, is an agricultural town, chiefly inhahited by a rural population and provincial geutry. It is ill-paved, most of the houses are in a dilapidated state, and the kennels are in a filthy condition. It has manufactures of coarse cloths and pottery. The population in 1845 was 16,665 . Montilla, 20 miles S . from Cordova, is a well-huilt town on a hill-side. It contains two parish churches, and has manufactures of coarse linens and earthenware. There are also oil-mills, and the town is celehrated as having heen the hirthplace of Gonzalo de Cordova, the 'Great Captaiu,' aud for the wine made in the neighhourhood : the populatiou iu 1845 was 13,224. Montoro, 26 miles.E.N.E. from Cordova, stands on the south bank of the Guadalquivir, which almost encircles the town. There is here a good bridge over the rivel: The town is tolerably well-built, and has several fountains. There are manufactures of woollens and earthenware. The population in 1845 was 10,732 . Palma, 30 miles S.W. from Cordova, stands in a plain on the southern hank of the Guadalquivir, and near the mouth of the Jenil (Xenil). There are several oil-mills: population, 5500. Rambla, 23 miles S. from Cordova, and 6 miles W. from Montilla, stands on a hill, in a country very fertile in grain, wine, and oil. It has manufactures of woollens and of coarse pottery, especially the porous vessels for cooling water called 'alcarrazas.' Population, 9000.
(Ford, Handbook of Spain ; Widdrington, Spain and the Spainards in 1843; Murray, Cities and Wilds of Andalucia; Madoz, Diccionario de España.)

COIRDOVA, a city of Spain, capital of the province of Cordova, is situated on the right or northern hank of the Guadalquivir, in $37^{\circ}$ $62^{\prime} \mathrm{N} .1$ lato, $4^{\circ} 45^{\prime} \mathrm{W}$. long. ; 80 miles N.E. from Sevilla, and 180 miles S.S.W. from Madrid. The population iu 1845 was 41,976 . The bridge which here erosses the Ouadalquivir was originally built by the Itomans, and the foundations are Roman, but the bridge itself, formed of 16 stone arches, and was constructed by the Moors. The city stands on a gentle declivity, and is sheltered to the north and north-east hy the summits and ridges of the Sierra Morena. It is inclosed by high walls flauked by square towers, and was formerly entered by several gates, most of which are now walled up. The walle and towers were built by the Moors on Roman foundations, and inclose a large area, much of which is now occupied hy gardens or by ruins, and there is one large plaza surrounded by handsome houses. The rest of the city is a mass of narrow streets and alleys, very gloomy, and by no means clean. The public huildings consist of the cathedral, 13 parish churches, many convents, most of which are now applied to secular uses, a bishop's palace with fine gardens, a palace of the Moorish sovereigns now converted into stahles for a royal stud of horses, a city-hall, a lyceum, three coileges, a theatre, and several hospitals.

The Cathedral of Cordova is one of the most extraordinary pices of worship in the world. It was originally a Moorish mosque, founded by Abd-el-Rahman I. in 786, and completed by his son Hixam in 784. The shape is quadrangular, the leugth being 394 feet from east to west, and 356 feet from north to south. The exterior is castellated and gloomy, with square buttress-towers, and with a belfrytower similar to the Giralda of the cathedral of Sevilla; and there is a court adjoining it, now called the Patio de los Naranjos (Court of the Oranges), which is also similar to the one which adjoins the cathedral of Sevilla, but larger: it is 430 feet long by 210 feet wide, and has colonnades on three sides with fountains in the centre, and is planterl with orange-trees and cypresses. The interior of the cathedral presents at first sight somewhat the appearance of a marhle grove, the roof, which is only 35 feet high, being supported by a vast number of slender pillars, delicately wrought, with Corinthian capitals, and shafts of various-ooloured inarbles, and of jasper, porphyry, and other materials, so arranged as to form 29 aisles from east to west and 19 from north to south. The pillars were obtained from Christian churches in different parts of the world where the Moslems lad made conquests. The number of pillars is said to have been originaily 1200 , but a great many of them wero taken away when the Christians, in order to convert the mosque into a cathedral, cleared an open space for a choir, and constructed a dome. The number of pillars still remaining is upwards of 850 . The choir was begun iu 1523, and completed in 1593. There are a number of chapels at the sides of the cathedral, of which the most interesting is the Capilla de la Villa Viciosa, originally the Maskuralh, or seat of the kalif, now generally called hy tho Spaniards the Zancarron, which namo lias reference to the heel-hone of the foot of Mahomet having heen shown hero as a relic. The streets of Cordova seem now to be almost deserted. It was always celebrated for its silversmiths, who came origizally from Damascus, and some of the profession still continuo to work in tho chased filigree style. The peculiar leather called from the town Cordovan (Cordwain) was once celebrated, but the Moors carricd theil
iudewtry to Marocco, and their leather has aince assumed that name. Dupont, the French general, entered the city in June 1808 without reaistance, yet he not only plundered the catheriral, the churehen, and other public buildings, hut mamacred the people. The Alaueda, or public wall, is outride the walle; It in not imach frequentert.

Corlora was the Cordube of the Komans. It was one of the chief cities of llispania, and appeare to have been a Roman colony from ita frat foundation in R.C. 132. It was regarded as the capilal of Beturin, or the country between the Betia (Gualalquivir) and the Anas (Quadiana). Numerous coins of the city are extant, hat most of the other antiquities have been destmyed. It was the birthplace of the two Senecat and of the poet Lucan. Abel-el-Rnhman I. obtained posesaion of Cordova in 556, mul assumed the titlo of kalif, making Condora the capital of his kalifato, and it so continued till 1086, when it was converted into one of the small Moorish kingdoms of Andalucia [AvDalecia.] lu 1234 it was taken hy Feruando III. of Castilla, and is anirl to have theu contained 300,000 inhabitants.
(Ford, Ilandbool of Spain: Borrow, Bible in Spain.)
CORDOVA, the most important next to Buenos Ayres of the provinces of the Argentine Confederation, South America, comprehends the Sierra de Cordove and the surrounding hilly country, with some adjacent plains. It in divided ou the N.E. N., and X.W. hy the Gran Saliua from Santiago, Catamarca, and IRioja, aud ou the W. hy a travesia, or desert country overgrown with stunted prickly trees, from San Juan. A sterile and thinly inhahited country lies ou the southeast between it and San Luis. On the south it extends to the Pampas of Buenos Ayres. The low sterile tract in which the rivers Segundo and Primero are lost, and the Laguna Salados de los Porongos ls aitunted, separatem it on the east from Santa Fé. It has a population rariously estimated at fiom 65,000 to 90,000 . Cordova is much more fertile than the countries which surround it. Nnmerous rivers descend from the Sierra de Cordova, hut all are lost in the desert, ex cept the Rio Tercero, which, during part of the ycar, filds its way to the Carcaranal, which falls into the Paraná near Santo Espiritu below Santa I'E. This river would be navigable for six or eight montha in the year, but for two small rapids, which bowever might easily be removed. The valleys within the Cordova Mountains, and those which extend along their sides, have a fertile soil, and maize and fruits are raised there in abundance, but the plains, as well as the declivitics of the mountaius, are only fit for pasture. Cattle aud sheep constitute the principal wealth of the repuhlic. Hides iu large numbers and wool are exported to Buenos Ayres. At preseut the produce of this province is all sent to Buenos Ayres, hut when steam marigation is establinhed on the Parana, the commercial intercourse will probably be largely carried on through Santa Fis. The province is ruled hy a governor, assisted by a junta occasionally convoked; but the authority of the governor is in effect almost unlimited.

Cordora, the capital, is situated in $31^{\circ} 26^{\prime} \mathrm{S}$. lat.; it is huilt on the banks of the Rio Primero, in a narrow valley considcrably depressed below the gencral surface of the country. This situation is in many reapects disadvantagcous, but it is thus sheltered from the north and south winds, which blowing alternately on the higher grounds produce wadden changes in the atmosphere which are injurious to bealth. The town contains about 15,000 inhahitants. The strects are regularly laid out, and the houses are built of brick, aud better than in other fowns in the interior; most of them have balconies. Iu the centre of the town is a spacious squaro, on one side of which is a neat town-hall, and on the other a fine cathedral. There are also ten other well-huilt churches of old date and chielly Moorish in style; and one modern church crocted in a very costly manuer. The Univenity erected hy the Jesuitm is ou a scale of great magnitude, covering an area of 4 acres. In former times it was famous, being the principal college (the Colegio Maximo) of the order in this part of the world. It contained aleo a very importaut library, which ou the expulaion of the Jenuits was sent to Buenos Ayres. The univeraity in atill malntained, but is now hardly better than a provincial college. There are two nunneries and two convents of Dominians and Fran. cimeans A fine public promemade occupies a considerable space; it includes a muspo mhect of water of about 4 acres aupplied by a runnligg atream, whlch is murrounded by walks, well shaded by trees, and han in the centre a lantern-haped teinple. The Segundo which watern the town is in summer a ahallow atream, bnt in winter becomes a decp and ride river; to preserve the town from the effects of itn overflow atrong wall has been bullt, get destructive floods still mometimes oceur. Cordova was formerly the depht of the European merchandive lutended to bo seat to Peru, hut this brauch of comuserce no louger exfith. There in a nint in the town. The only manufneture is that of leather. There are no fonclgners lu the town and scarcely any in the province of Conlova Religious tolcration is unknown. Alla Gracin, a neat town near the bse of tho Sierra de Cordova, contains nearly 3000 inkabitantan.

CO1:18A la a large peainanla on the enutern const of Asia, whoso novercign is tributary to the enjperors of China and Japan, but otherwise independent. The perimnuln in aurrounded Es by the Sea of Japmin, s. by the Strait of Corea (whleh divldes it from the Japaneso inlazk of Kion-piou), and W. by the Hoenghal, or lellow Sea, which neparates $1 t$ from China proper. It extende from wouth to morth from $31^{\circ}$ to $40^{\circ} \mathrm{N}$. lat., or about 420 miles ; but the countries north of the
penimsula as far as $43^{\circ}$ aro aloo subject to the sovereign of Corea, no that the whole conntry from mouth to north may he 630 uniles. Ita width, lyimg between $124^{\circ}$ and $184^{\circ}$ Lis longe, varics from 100 to 200 milea. Its aroa may be abont 40,000 square niles, or about the same as the area of Grear Britaln.

Corea appours to be a very mountaincu country. On its northern boundary in the Chang-pe-shan, a high mountain range partly covered with anow, which scparates the Coreans from their northern neighbours, the Mandchoo. From this chain another branches off in a south-wouth-east direction, which traverses tho whole of the yeninsula as far as the Struit of Corea Its lighont part is near the shores of the Sea of Japan, towards which it dencends with great mpidity. The numerous offects to the west, which are less elevated and steep, contain between them large and well-cultivatod valleys.
The largest rivers occur in the northern part of the country, where the Thumen-liang rising in the centre of the Chaug-je-shan Mountains runs north-east, and towards its mouth cast, to the Sea of Japan. Its banks though fertile are uninhabited. A belt of laud 15 lengucs in width along the porthern border of the peninsula, in which direce tion aloue it is joined to the mainland, is left uncultivated aud uninhabited in consequence of the mistrustful policy of the government, which has loug condemned this country to a system of exclusion from all external influence. The inhospitahlo const that bounds the country in all other directions, and the jealous vigilance of the muthorities, keep the population cooped up as it were iu a prison. The Yalu-kiang rises uear the source of the Thumen-kiang, and rum first west, then south. According to the Chinese geooraphers it falls into the Hoang-hai hy twelve months. It ls and to he uarigable for junks 35 miles, and for barges about 180 miles.

The coasts of Corea aro high and bold. There are few islands along the eastern shores, except in Hroughton's I asy ( $39^{\circ} 30^{\prime} \mathrm{N}$. lat.), where they are numerous. In the Strait of Corea, and hetween the island of Quelpaerts and the southern coast, are uunerous islands and rocks. Betwcen $34^{\circ}$ and $35^{\circ} \mathrm{N}$. lat., $125^{\circ}$ and $126^{\circ} \mathrm{N}$. long., Captain Maxwell found the sea literally dotted with islands and rocks, which he called the Cerean Archipelago, and the most south-wentern group Amherst Islea. Farther north ( $38^{\circ}$ N. lat. $)$ is another group called James Hall's Archipelago. These islands are rocky and high, hut geucrally inhabited. They aro rarely inore thau three or four miles in length. The largest, the island of Quelpaerts, south of the peninsula, is about 60 miles in circuit, and in the ccutre a penk riscs upwards of 6000 feet mbove the sea.

Corca is a very cold country. For four months the uorthern rivers are covered with ice, and barley ouly is cultivated along their bauks. On the castern coasta fogs are irequeut.
The productions of Coren include rice, whest, millet, cotton, silk, hemp, ginseug, and tobacco. Cottou and silk are manufactured and supply articles for exportation.
ilorses and cattle aro plentiful ou the mountain pastures. The former, which are small, aro exported to Chius. In the northern districts the sahle and other animals give fur. The royal tiger, which is a native of the couutry; is coverod with a longer aud closer hair than in Jengal. Ou the eastern coast whales are nuuerous. Gold, silver, iron, salt, and conls are noticed in the Chinese geography as ohtained in Corea.

The inhahitants, who are of the Mougol race, resemble the Chivese and Japaneac, hut they are taller and stouter. They apeak a lauguago differeut from the Chimese and Manchoo, though it contaius many Chinese words. They have also a different mode of writing it, though the Chincso characters are in general use among tho upper classes. Iu manner and civilisation they much resemble the Chinese; they are likowise Buddhists, with the exception of a small uumber who have boen convertod to Christianity by French missieuaries, who visit the country in disguise aud at the risk of their lives. Educatiou in highly valued, esjecially minong the upper classes. They soem to have a rich literature of their own, but their language is very imperfectly known in liurope. The mamber of inhabitants is estimated at ten millions.

The sorereign of Corea sonds an embassy with a trihute to the emperor of Chima cvery fourth year. 'The election of tho king aud his more important acts must be ratified by the emperor. The king. dom is divaded into cight provinces.
King-ki-fac, the capital, which is a fow miles north of a considerable river, llan-kiang, appears to be a largo place, and is asid to possess a considerable lihrary. The name of the town is properly Kin-phu. The mouth of tho river Tslng-kiaug (between $34^{\circ}$ and $3^{\circ}$ ), on the western coast, is sald to have a very Rpacious harbour. Fuhan, accordiug to the Chinese geogrnphy, called by I3rough ton Chosan or Thosan, is a bay at tho south eastern extremity of the penimmala, opposite the Japanese island of T'su-nima, at the inuermost recens of which the town of King-tsheou is built, which carrics ou an actlvetrade with Japau, aud la the only place to which the Jajauces are jermitted to conuc. In industry the Coreans mainly excel in the mamfacture of cotton cloth and cotton paper, both of which are brought hin grat quautities to l'cking. They have attained consider. able skill in working Irou, sus swords are sent, with other articles, to tho emperor of Chima a tribute.

Furopens are uet permitted to remain even a fev days on uny
pant of the coast. The commerce of the country is limited to China aud Jspan. Commercisl intercourse between China and Corea is carrice ou not by sea but by means of the narrow road which leads along the coast to the town of Fang-hoan, in Leao-tong. As the district from being uninhabited has become the haunt of numberless ferocious animals, the passage is much dreaded by travellers. Commerce therefore is principally carried on in winter, when the shallow Hoang-hai is covered with iee along its shores, which are more farourable to the transport of goods than the bad mountain roads. Besides the above-mentioned manufactured goods, gold, silver, iron, rice, fruits, oil, and some other articles are brought by this road to Peking. The commerce between Corea and Japan is limited to that betrvecn the island of Trn-sima and the Bay of Chosan, and is carried on by Japanese merchants, who have their warehouses at each place. They import sapan-wood, pepper, alum, and the skins of decr, buffaloes, and goats, with the manufactured articles of Japan and those brought by the Dutch from Europe; they take in return the manufactures of Corea and a few other articles, especially ginseng.
(Broughton; Maxwell, in Ellis's Journal of Lord Amhersi's Embasey; Basil Hall; Ritter, Asien.)
CORFE CASTLE, Dorsetshire, a small town, formerly a borough and market-town, in tho parish and hundred of Corfe Castle, is situated about the centre of the isle or peninsula of Purbeck, in $50^{\circ} 38^{\prime}$ N. latt, $2^{\circ} 3^{\prime} \mathrm{W}$. long. ; distant 24 miles E.S.E. from Dorchestcr, and 116 miles S.W. from London by road. Wareham station of the South-Western railway, which is 5 miles from Corfe Castle, is distant 126 miles from London. The population of the parish of Corfe Castle in 1851 was 1966. The living is a rectory, with the curacy of Kingston anuczed, in the archdeaconry of Dorset and diocese of Salisbury.
The town of Corfe Castle consists of two streets; the houses are built of atone nnd roofed with tiles. The castle which gives name to the town was probably built in the 10th century by King Edgar. It is situated on a high hill. Portions of the structure are in the Norman style. Its stateliness and the strength of its position made it in former times a fortress of great importance. It was sometimes the residence of the West Saxon princes. Here King Edward the Martyr was assassinated by his step-mother, Elfrida (A.D. 978 or 981). King John in his war with the barous deposited his regalia in this castle for security; aud Edward II. when he fell into the hauds of his enemies, was for a time imprisoned within its walls. In the great civil war Corfe Csstle was stoutly defended for the king by Lady Bankes, wife of Lord Chief Justice Sir John Bankes, the owner of it, with the assistance of her friends and retainers, and of a governor sent from the king's army. It however fell into the hands of the psrliamentary forces by treachery in February 1645-6, and was by order of the Parliament dismantled. The ruins are extensive, and from their elevated situation form a very striking object. The castle is separated from tho town by a ditch, now dry, which is crossed by a bridge of four very marrow high arches.
The parish church is a largo and very ancient fabric, with many portions of Norman and carly English architceture: it has an embattled and piunacled tower of the 14 th centary, a large porch, and two buildings, one on cach side of tho church, which were formerly chapels, but are now applied to other purposes. The church was much dsmaged in the great ciril wsr when the castle was attacked, A.D. 1646. Modern repairs and alterations have to a considerable extent destroyed the uniformity of the frilding. Kingston chapel, in the parish of Corfe Castle, was handsomely rebuilt by the late Earl of Eildon. The Indepcudents have a large and well-bnilt chapel in the town. There are here National and British schools.

Corfe Castlo was a borough by prescription previous to the reign of Flizabeth, who bestowed on it a chartcr. The borough first sent representatives to the House of Commons in the reign of Queen Elizabeth. It was disfranchised by the Reform Act of 1832. Some of the inhabitants are engaged in the marble and stone quarrics in the ncighbourhood. The principal occupation is that of raising clay for the potteries.

## (Communication from Corfe Castle.)

CORFINIUM, [Abrczzo.]
CORFU. [IoNIAK Islands.]
comigliano. [Calabria.]
CORINTH (Kס́pıOos), a city of ancicnt Greece, the capital of a small but wealthy and powerful district, was situated upon the isthmus which connects the northern part of Greece with the Peloponnesus. The Corinthian territory (Corinthia) was bounded N. by the Crisean Bay, N.E. by Megaris, F. by the Saronic Day, S. by Argolis, and W. by the territories of Sicyon. Tho Phcenicians appear to have early formed a settlement on the Acrocorinthus. The city was built upon a level rock to the north of a stecp and high mountaiu called the Acrocorinthus, which served as a citadel, and was included within the wall. (Stralio, Casanb., p. ${ }^{379 .)}$ Corinth land two ports; the nearer, lechæum, nn the Crissean Bay, was connected with the city by two parallel walls of 12 atadia in length each, which were partially destroyed by the Lacedzmonians s.c. 343. (Xenophon, 'Hellen.,' iv. 4, ${ }^{\text {s 13.) }}$ ) This harbour, which Colonel Leake conceives to have becu for tho most part artificial, is now nearly filled up; nll that remains of it is a logoon near the supposed site. (Leake's 'Morca,' iii., p. 234.) The
other port, Cenchrex, on the Saronic Bay, does not appear to have been connected with the city; it was however a more considerable place than Lechæum, and coutained several temples. (Pausan., ii. 2.) A few miles to the north of Ceuchrex was a small bay called Scho. nus. Here was the narrowest part of the isthmus, and a kind of canal called the Diholcus, of which there are still some remains, was carried from the harbour of Schcenus to the eastern extremity of Port Lechæum, and ships were run ashore at one of these points and dragged to the other sea. This work existed in the time of Aristophanes ('Thesmopho1.,' 645); but in the Peloponnesian war it appears that they had a method of transferring naval operations from the Criseau to the Saronic Bay without dragging their ships across the isthmus. (Thucyd., ii. 93.) A little to the south of the Diholcus was a wall, which was always guarded when any danger threatened the Peloponnesus.

The old name of Corinth was Ephyra; and under this name it was one of the seats of the Æolian race. Even in the time of Homer it was called 'the wealthy' (' Iliad,' ii. 570) ; an epithet which it acquired, sccording to Thucydides (i. 13), from the commercial spirit of its inhabitants, occasioned by the favourable situation of the town, which threw all the inland carrying trade of Greece into its power; while the difficulty of wenthering Cape Maleæ. (which was proverbial) made it the emporium of most of the trade between Asia and Italy. (Strabo, p. 378.)

About thirty years after the Dorian invasion of the Peloponnesus (that is, about 1074 b.c.), Ephyra fell into the power of Aletes, the son of Hippotes, a Heracleid, who had slain a soothsayer on the passago from Naupsctus, and had been compelled to separate himself and his followers from the army of the Dorians. The city then assumed the name of Corinth, or the Corinth of Jupiter (Müller, 'Dorians,' i. 5, §8) ; and the Æoliau inhabitants became a subject class, though not altogether deprived of their civic rights. The desceudants of Aletes ruled Corinth for five generations with royal power; but at length a rigid oligarchy was substituted for the monarchical form of government, and the power was vested in prytanes chosen annually from the powerful Heracleid clan of the Bacchiadæ. The members of this clan intermarried only with one another, and consequently kept aloof from all immediate intercourse with their fellow-citizens, whom besides they did not treat with much forbearance. In the year b.c. 657, Cypselus, an opulcnt citizen of Asolian descent, putting himself at the head of the lower orders, overthrew the oligarchy without much difficulty, and assumed the sovereign power. Although he taxed and oppressed the Dorian caste so much that many of them were obliged to emigrate, he seems to have possessed the full confidence of the great mass of the citizens, and always reigned without a body-guard. His son Periander, who succeeded to his authority, occupies a very prominent place in the ancient history of Greece. He was much more despotic than his predccessor ; he had a bodyguard of 300 men, and trampled at pleasure upon the rights of his countrymen. His reputation for wisdom (by which we must understand that practical wisdom which consists in governing men) procured him a place among the soven sages of Greece. Upon his death in B.c. 583, his power devolved npon his nephew Psammetichus, the son of Gordias, who after three years was deposed by the Lacedæmonians. The former aristocraticsl form of constitution was then restored, but doubtless it was less exnlusive than tho hereditary oligarchy of the Bacchiadæ, and Corinth remained au oligarchical state till the beginning of the 4 th century b.c. In the Peloponnesian war, which was in some measure brought about by them, the Corinthians were staunch supporters of the Lacedæmouians, and the bitterest enemies of Athens. About b.c. 394 a democratieal fsctionendeavoured to overthrow the aristocracy, and to unite Corinth with Argos, but without any permsnent success. (Xenoph. 'Hellen.,' iv. 4.) Timophanes re-established the monarchical form of governmeut by means of the mercenaries whom he commanded; but he was soon removed by his own brother Timoleon by aseassination. (Aristot., 'Polit.,' $\nabla .6$; Corn. Nepos., 'Timol.,' c. i.; Plutarch, 'Timol.,' iv.) Like the other states of Greece, Corinth felt the influence of the Macedonian power, and was garrisoned by Macedonians under Antigonus, but liberated by Aratus. (Pausan., ji. 8, §4.) The Corinthians took the lead in, the Achæan confedcracy, and were at first allies of the Ifomans (Pausan., vii. 8, § 3); but at last the temptations held out by the wealth of the place, and the iusults which the Corinthians had offered to tho Roman embassy (Strabo, p. 381), led to the plunder and destruction of the town by L. Mummius, in B.O. 146, according to an express decrec of tho Roman senate. All the males were slain; the women and childreu were sold as shaves; and after the Romsu soldiers had pillaged this tho richest city in all Greece, it was at a signal given set on fire and reduccd to ashes. (Liv., 'Jepit.' liii.) Many works of art were destroyed, but some of the finest pictures and statues were removed to Rome. (Strabo, p. 381.) Corinth was restored by Julius Cenar about 100 years after its couquest by Mummius, and peopled with freednen, who enjoyed the privileges of a Colonia. It soon roso again to be a populous and prosperous city, and when St. Paul visited it 100 years after it had been rebuilt by Jnlius Cæsar, it was the residence of the Proconsul of Achæe. Two of the epistles of St. Paul are addressed to the flourishing Christian church which he founded iu Corinth. When Pausanias visited Corinth in the 2nd contury of our era, thero were still many fiuo buildings and other monuments of the
former ploudour of the city. (Pauman., ii. 1, 8 \%.) There now remama of ancient Corinth soven columns of a Dorio temple, probmbly the oldent exinting apecinou of that atgle, an amphithentre, and wome IRoman brickwork on the nortbern side of the bamar of the modern town.
The oolonies of Corinth Fere very 1 umerous; with the exception of the coleny that founded rotidren on the comet of Chalcialice, thoy were all sont out from Lechamm, and confined to the seas west of the fethmus (Muller, 'Dorians,' $1.0,8 \%$.) Tho most colehrated wero Syrecuse and Concyra.

Its wealth and the confluence of merchants from all parts faroured overything whicls uninistered to the gratification of the senses; and both architecture and the other fine arta were, according to the testimony of the ancionti, suocen fnlly cultivated in this wealthy omporium. (Pindar, 'Olympo; xiii. 25-31.) The citizens were addictod to luxury and nensual indulgance. The patron goddess of the city was A phrodite, who had a spleudid temple on tho Acrocorinthus, whero mone than a thoumad fomales under tho namo of Ilioroduli, or tomploslaves, were kept for the eorvice of strangers an a regular part of tho worship of the goddess. In 110 other part of Greece is this inatitution of Ilienoduli fonud to have oxisted : it wan most probahly eotahlished hy the Phoenicinns. The courtesnns of Corinth were no exorbitant in their demands and ohtained such high sums as often to ruin the merchants who visited the city. This circnmstance gave rise to an ancient proverb. (Strabo, viii. 378 ; Horat., 'Ep.' I., x vii. 36.)

The only fertile part of the Corinthian territory was the plain between the city and Sieyon, which partly belonged to the latter. The rocky wides of the monntains, and the stony and sandy plain of the lathmus, were unsuited for growing corn. The fountain Poirene, on the Acrocorinthus, wes celobrated hy the poets (Strabo, p. 379); hut in the time of Hadrian the inhabitants were so little satisfied with the springs in the lown, that they induced the omperor to supply them With water from the Stymphalus hy means of an aqueduct 20 miles long. Corinth is now a small town of 2000 inhabitants, who carry on a emall export trade in dried fruits, whent, oil, honey, and wax from the port in the Bay of Corinth or Gulf of Lepanto. The modern mume of the town, Crortho, is a corruption of the ancient name of the city. (Leake, 'Moren,' iii. 262.) The territory of Corinth united with Argolis, now forma nome or department of the kingdom of Greece. The total popnlation of the nome in 1852 was $105,248$.

According to the fable, Bellerophon caught the winged horse, Pegasus, while drinking at the fountain of Peirene. Pegasus appears on the woins of Corinth and come of it coloniea.


Coins of Corinth.
Rritioh Muserm, Actual Stzo. Sitrer. Weight, old coin, 131 gralne; the other, 133 gralno.
Tha lahmue of Corinth is a rocky sterile plain. On the northorn side of it rise the mountains anclently called Gerancia, and oxtending acrom the Isthmus from wea to sen. The mountains to the sonth of the Isthraus were called Oncion, which extend to the Saronlo Gulf cantwerl; bat the Acrocorinthus, an offset from it (soparated from it however by a ravlue), does not reach the sea on the weatern sidn There in a level narrow space between the foot of tho mountain sull the med which wan croned by the long walls of the Lecheurn. liesiles the ravine already meutioned, the only other pase hy which Corintli could bo reached wan along the shore at Ceuchres. Thus the long walls of the lechapum, the Acrocorinthus with itn citadel, and the walln of Cenchres eomplotoly commanled the ouly three peases which led from the Isthmus to the I'eloponneank In the mountains to the notb there were three promen the mont celebrated of which, shore of the Stromio Onlf, and bore the name of the Scyronian shore of the Saromio Gnlf, and bure the name of the Scyronian
llock. llocka.
CORK, a maritime onunty of the province of Munater, and the largeat county in Ireland, lies between $61^{\circ} 21^{\prime}$ and $52^{\circ} 13^{\prime} \mathrm{N}$. lath, and
$7^{\circ} 43^{\prime}$ and $10^{\circ} 15^{\prime} \mathrm{W}$. Iong. It greatort length from ${ }^{\circ}$ ouphal ou the $7^{\prime \prime} 43^{\prime}$ and $10^{\circ} 15^{\prime} \mathrm{W}$. Iong. It greatont length from Youglisl ou the east to the mouth of the Kenmare lliver on the went, in 110 milen ; and ite greatest brealth from the Old liend of Kinaale upon tho south
to Charleville on tha sorth, is 70 milos It in bounded N , by the
countios of Limerlek and Tipperary, Fin by the onunty of Waterforl, S. hy tho Atlantio Ocean, aui W. by the county of Kiorry. 'Ilso arcm comprinen $1.546,833$ acres, of which $1,308,85^{\circ}$ are arable, 465,889 uncultivatel, 52,180 in plantationa, 6515 in towns, and 12,867 under water. The indentations of the consh from Youghal to Kenmane give a comet-line of about 200 uiles. The population of the county, exduaive of the city of Cork, in I841 wan TF3,398; in I 851 it whs $668,158$.

Sweface Jiydragmaphy, Communications. - The chief mountain groups in Cork county may be oonsidered me offeete of the main ridge which separaten Cork from Kerry. This ridge, the southern extremity of which eeparntes Bantry Bay from the river of liemmare, runa north-morth-east nnd south-nouth-west, anel on the side towards Cork monds off uumerous lateral clovations. Of these the two chief aro the rangen worth and south of the valley of the Lee, which river divides the county into two nearly equal portions. The southern ridge ramning through the peninnula between Bantry Bay and the sestuary of the Kenmane River, is distinguished by the nsmes of the Qlengarifl, Cala, and Slieve Minkisk, among Which the most colebratod summita are tho Sugarioaf, and IIungry Hill, with its magnifioeut cascade. The northern and most extensive rango cousists of the almost continuous groups of the Muskerry, Boggra, aud Nagles Mountaius, and atretches in a uniform direction from the kerry boundary ou one side of the county, to within a few miles of the horders of Witerfurd on the other. The priucipal elevation in this line in Cahirbarna, 2234 feet, near the houndary of Kerry. The Shehy group, which forms the southern boundary of the basin of the Lee, runs is much shorter dis tance from the main ridge; but the upland country of kinalmeaky, into which it subsides, prolongs the elevation iu a line parallel to the direotion of the Boggra range across the entire extent of the county, from Dummanway on the west to the high grounds above Cork and Pasaage on the east. Shehy Mountain las an elevation of 1769 fuot North and wouth of this central valley are the districts which furm tho basins of the Blackwater and the Bandon; the former included between the mountains of Limerick and Tipperary, and the Iloggra groups; and the latter between the Shely range and those elovations which rise southward towards the sea-comst. These threo principal vallegs are nearly symmetrically situated, aud their reapeetive rivera run very nearly parallel to one another. The bogs and waste lands lie among the mountain group described; the remainder of the county is well tilled and productive, particularly along the banke and between the embouchures of the rivers

Beginning from the east, the harbour of Ioughal has a tolerable anchorage iu six fathoms water without the har, where vensels may wait the tide, which given 20 fect of water on the bar at neaps Three leagues south is a good anchorage and fishing-grouncl, in 5 to 12 fathoms water at Ring I'oint. From this the const is rocky, with the exception of the extensive strand of Ballycotton Bay, to the entrance of Cork harbour four leaguen farther west. Thas barbour is so commodious, says Simlth, that it will adruit the largest ressel at any time of the tide without striking sail, and has a land-locked anchorage in 10 fathoms water in some places, and in 7 fathoms Water within n cahle's length of the shore On the shoalest part of the bar are 30 feet of water at ehh-tide. From this westwayd to Kinsale harbour the coast is rocky and dangerous. The harbour of Kinsale has $\$ 0$ feet of water on the bar, and anchorage withiu ln 7 fathoms; but it is not so onpracious as that of Cork. There is also good auchomge in any depth of water on both sides of the promontory to the west called the Old Hend of Kineale. The Bay of Courtmacaherry, next weit, is fit for vesoels of 200 tons, but exponed. Clonakilty harbour is encumbered with a har, on which are only 2 fathoms water at full sea, and ressels ombayed here are in comsider alle danger. The harbour of Glandore lass is to 30 foet of water in its chsunel, aurl a land-lockerl-anchorage Castlehaven Creek has bafe anchorage In 14 feet, and Baltimore llay pretty good in 6 futhoms. Baltimore is situated on the enatern side of au extensive bay, bounded on the east by Cape Clear Island, and on the weat by Mizen Hewl; it contains the several minor bays of Baltiwore, lRonring Water, Crookhaven and Innisherkin, in all of which nuerchant vessels uay find anchorage. Weat from Mizen Ilead the Ihay of Duanmans ruas Inland 12 milen is a north-oast direction, with 10 to 30 fathoms of water throughout, and no har. Bantry lay is 40 fathoms deep at the month, 26 miles loug, aud from 3 to 5 miles broad. Bear Ialand at its entrance protcets it from tho south-weaterly awell, anel affurla the land-locked enchorago of IBervhaven in 10 to 10 fathoms water, for an unlinaited uumber of rensels. Farther up Whiddy Island incloses the minor bays of Bantry and Glengarif, the latter much celebrated for the magnificenco of its sconery: it in onlculated that ail the shipping of Europe conld ride seouro in thin aohlo harbour. The boundary of the county runs through the mountainous poninsula stretching betweon Bantry May and the sentuary of the Kicuraare Iliver. On the monthern thoro is the town aud bay of Castlotown, southowost from Which about 7 mile on the worthern shore is the lay of Ballyclongan near the copper-mines of Allihais. At the point of the peninsula is Dursey Island, arocky apot, about $3 \leqslant$ milos long hy 1 mile hrown.

Facilities for watercarrisge are confined to the cosst : the inland nevigation of the landon in very lnoonsiderable; that portiun of the Blackwater which is navigable lies in the county of Waterford; aud the trafte between Cork and the son in more a harbour than a river
navigation. The only lakes in the county are two small but very picturesque sheets of water, near the source of the Lee, and some pools on the coast.

The great Southern and Western railway was completed in 1850. The total length of the line from Dnblin to Cork is $164 \frac{5}{8}$ miles. The line is carried nearly parallel with the old mail-coach road to Limerick by the valley which separates the Nagles Mountains from the Boggra range. The Cork and Bandon railway gives a line of railway oommunication of 20 miles from Cork in the direction of the great harbours in the southeast of the county. [Bandon.] The Cork, Blackrock and Passage railway, $7 \frac{1}{2}$ miles in length, connects the city of Cork on the eastern side with the suburban districts adjoiuing the harbour and naval depôt at Queenstown. The prineipal mail-coaoh routes have been superseded by the completion of the Great Southern and Western railway. The old road to Dublin, carried over the eastern flank of the Nagles Mountains by Rathcormack, unites the valleys of the Lee and the Blackwater from Cork to Formoy. The rond from Cork to Mallow, carried over the western flauk of the same range, forms another line of communication between these valloys, and is used as the post-line to Limerick. Westward from Mallow to Millstreet, a distance of nearly 18 miles, the range of the Boggra Mountains formed an impassable barrier, until in 1823 permission was granted by government to make a road through the centre of this group at an expense of about 10,0001 ., one-half to be levied by county presentiments, and the other half to be defrayed out of the Consolidated Fund. The construction of this road aaved the inhabitants of the valley of the Blackwater a distance of fully 20 miles Irish on every journey to and from the Cork market. It also supplies an easy means of transit for fuel to the low oountries, both north and south. Before this rood was opened the only means of procuring fucl from the upland bogs was on the backs of small horses, or of men and romen. Other new roads have been made at the public expenne within tho connty in the neighbourhoods of Clonakilty, Handon, Skibbereen, and Courtmacsherry. A road from Castlo Island in the county of Kerry, eastward, meets the new Boggra-road at its terminus on the Black water, by which a comununioation is opened between Castle Island-and Mallow, shortening the distance from Castle Island to Cork by 22 miles. Another line connects this road with the post-lino from Cork to Killarney, affording Killarney a direct communication throngh Mallow with Waterford. These two roads wero completed in 1839, and are together 43 miles in length. A road has also been construeted by the Board of Works from Glengariff to Kentare. The ridge of mountain over which this road is carried is very precipitous towards Olengariff, and the ascent resembles on a amall acale somo of the great passes of the Alps.

Climate, Geology, dec. -The climate is moist but genial in tho south and enst. The aunual averago of ralu at Cork is about $38 \cdot 26$ inches. The wind blows between sonth and north-west for more than threefourths of the year. The clay-ilate and sandstonc formation occupy the central aron of the county, extending from Kerry to Waterfori. Belta of carboniferous limestone occupy the vales of the Blackwater, the lower Lee, and the Bandon rivers. The Boggra and Nagles ranges consist of sandstone, which rock prevails throughout the district watered by the Lee. South of the Lee the slate-clay, on which tho sandstone reste, crops out in lougitudinal strata that havo a uniform direction from north-north-east to south-south-west, and a prevalent dip to the south-east. This rock, varying from the hardest grit to clayey rubble, constitutes the whole of the southern portion of the county from the muath of the Lee to the mountains of Bear and Bantry, where its elevations attain an altitude of above 2000 feet. Among these are some peaks of quartz formation, of whlch the most remarkable is the Sugarloaf, which rises over the Bay of Glengariff. The veins which occupy many of the fissures of this rock abonnd in ores of iron, copper, lead, and manganese. The district north of the Black water is included partly in an extension of the central limestone plain, but chiefly in the Munster coal-field, whleh occapies an area of about 400 square miles in the north-west part of the county, forming a portion of the wild district above referred to. The coal of the district of the Blackwater is anthracite, or blind coal. The chief workiugs are at Clonbannon and Dromagh. There is abundance of iron-ore which conld be made productive if conl could be had for smelting. While the county was well wooded iron works were carried on to a considerable extent. The principnl copper mines of Ireland are situated at Allihais, at the extremlty of the mountainous peninmula which separates Bantry Bay from Keneare River. Theso mines give employment to about 1000 men . The ore contains from 55 to 65 per cent. of copper, and is valucd at $8 l$. per ton. Specimeus of asbentos have been found in the adjoining district of Berehaven. The soil of the coal district is cold, stiff, and moory. In the north-east and generally thronghout the county wherever limestone abounds, it is warm and frinble. Along the valley of the Lec is a red, crumbly, and heavy soil, which requires considerable manuring with lime or sea-sand. Throughout the schistose formations, south of the valley of the Lec, the earth is generally dry and sandy, requiring much manure to make it bear corn. Marl, fullers' earth, and clay for brickkilns and potteries, aro found in considerable abundance. The best cultivated parts of the county are the easteru portions of the basins of the Blackwater and the Lee, and the low district included between
their embouchures. The system of agriculture in these districts is good. There is a large resident proprietary, and every evidence of wealth and comfort.

Divisions, Towons, de.-Cork county is divided into two ridings, for the purpose of holding general sessions of the peace. The baronies into which the county is divided are as follows:-East RidingBarrotts, Barrymore, Clondons and Clangibbon, Cork, Duhallow Fermoy, Imokilly, Kerryourrihy, Kinalea, Kinnatalloon, part of Muskerry East, Orrery and Kilmore, Kinsale, and Youghal Liberties. West Riding-Bantry, Bear, Carbery East and West, Courceys, Ibane and Barryroe, Kinalmeaky, Muskerry West and part of Muskerry East. The following towns are described in separate artieles :Bandon, Bantry, Castletown Berenaven, Clonakilty, Cork, Dunanway, Fermot, Kanturk, Kinsale, Macroom, Mallow, Mideeton, Millstreet, Mitceelotoifx, Queenstown, Skibbereen, Skull, and Youghal. These are all, with the exception of Qneeustown, the seats of Poor-Law Unious. Crofne and Ross, which give title to a bishop, are also separately described. Of places of minor importance we select the following for a brief notice here, giving in each case the population retnrned in the Census of 1851 :-
Ballincollig, population 789, situated on the Bride River, 6 miles W. from Cork city on the road to Macroom, is rather a military and police depôt than a village. Here are extensive gunpowder mills, formerly couducted by tha government, but now by a private company. There are large barracks for artillery and police. The headquarters of the police for the province of Munster are at Ballincollig. The village is very well built, and mauy of the houses are of the better class. The ueighbourhood is thickly studded with villa residences. About a mile west from the village are the ruins of Ballincollig castle, said to have beeu built in the reign of Edward III. The remains of the square koep and an inclosed bawn or space formerly defended by fortitications, stand on a limestone rock rising out of the plain. Ballintemple, population 473, about one mile and a half E. from Cork, is noticeable as the sito of a church erected by the Knights Templars in 1392. The churchyard is still used for interinente, although the church has disappeared. Ballyelough, population 432, about 3 miles N.W. from Mallow, contains some good houses, and has a neat and pleasing appearance. In the neighbourhood are Mount North, the seat of lord Lisle, and Lohort castle, the seat of the Percevals, earls of Egmont. The remains of Ballyclough castle stand a little way from the village. Ballycotion, populatiou 603, situated at the moith of a rivulet on the west shore of Ballycottou May, 6 miles S. by E. from Castlemartyr, is inhabited chiefly by Gishermen. There is here a station of the coast guard. Ballycotton Islande, at the southern headland of the bay, are frequentod by great numbers of sea-fowl. Ballyhouly, population 419, abont 10 miles N. by E. from Cork, pleasantly situated on the left bauk of the Blackwator, contains a church, a lloman Catholic chapel, and two schools. The neighbonring district is well cultivated and presents sotee good scenery. Convamore house, the fine seat of the Earl of Listowel, is in the immediate viciuity. The remains of Ballyhooly oastle, formerly one of the chief fortifed residences of the Roehes, with the parish church, and the remains of an old chureh, occupy the summit of a rock near the villsge. A fair is held on August 26 th. Ballynacorra, population 823, is on the Midleton River, about a prile from the town of Midleton, of whioh it is the port. Extensive warehouses aro here for storing grain and other agricultural produce, of which large shipments are made. The neighbouring district is fruitful, and has a pleasant appearance. Blachrock, population 460 , besides 1186 inmates of the county jail, is situated on a peninsula which projects into the Lee River, about 3 miles E. from the city of Cork, of which Blackrock is properly a suburb. Numerous villa resideuces are clustered together in this village and its viciuity. The publio buildings includo the parish church, a Roman Catholic chapel, an Ursuline nonastery, and Blackrock castle, originally built in the reign of James I., as a round tower to protect the river, and repaired and enlarged in 1722 by the corporation of Cork. Buttevant, population 1531, is 137 miles S.W. from Dublin by the Great Southern and Western railway, on which it is a station, aud 8 miles N.E. from Mallow on the River Awbeg. It was formerly a walled town, and a place of considerable ecclosiastical and feudal spleudour. Two of the ancient castles remain, together with the ruins of tho abbey fnely situated on an eminence over the Awbeg. The Roman Catholic church is a handsome edifice of hewn limestone in the later Linglish style. A barrack for infantry covers an aroa of 23 acres. There are here a fever hospital and a dispensary. Petty sessions are held. There are fairs in March, Jnly, October, and November. Carrigaline, population 602 about 7 miles S.E. from Cork, at tho embouchure of the Awnbuee River into an inlet of Cork harbonr, although now an insignificant village was iuteuded by its founder, the first Earl of Cork, to compete with Cork city, a project which way stopped by the rebellion and the earl's denth. Near the church, which is a neat gothio strueture, aro some pieturesque ruins of Carrigaline Castle. There are large flourinills here. Petty sessions are held. A fever hospital of the Cork Uuion district iy maintained in the villago. Fairs are held on Whit-Monday, August 12th, and November Sth. Carrigtohill, population 885, about 10 miles E. from Cork, ou the road to Waterford has a small church, a Roman Catholio ohapol, and several schools. Iu
the vicinity are some remuins of cincular entrenchmenth, aud nurnerous subternnean chambers or cellans. Fairn aro held here in March, Mar, Augunt, September, and November. IArry'a Court, formerly called Cautle Cloydubh, a lony building in the aquare form, wno originally erected in the 13 th contury, and was a placo of conaderable strength. In 1590 it was ect fire to by the then proprictor, Lord Barry, to provent it falling Into tho hands of Captain, aftorwards Sir Walter Raleigh, who had ondern to scize the castla. It lias been repalred within the last few yeans, and is now inhabited. Castelyons, population 478 , sbout 4 miles S . by E. from Fermoy, contains some remains of a Dominican friary. The linen manufacture is carricd on. There are here a church and a Roman Catholic chapel. Six fairs are beld in the course of the year. Castlemariyr, population 1800, about 5 milee IV from Midloton, once a parliamentary borough, is now only \& village, but has a neat appearance. In the vicinity the Earl of Shannon' demeano of Castlemartyr, with the ruins of its ancient cantlo, its plain modern mansion, and its cxtensivo plantations, add much to the interest of the scenery. There are also numerous rilla reaidences in tho nolghbourbood. There are a fever hospital and a dispenary. Tho market-honse belongs to the Earl of Shannou. Fairs aro held on May 2nd and October 2nd. Castletownroche, popnlation 233 , pleasantly situated on tho Awbeg, 6 miles bolow Doneraile, and 1 mile above the junction of the Awbeg with the Blackwater, 147 miles S. W. from Dublin by way of Buttevant, is a remarkably pictureeque village. The ancient castle of the Lorde Roche, from which it derives its name, stands on a rock rising abruptly from the river, and forms a conspicuous object in the surrounding landscape. It has been modernised, and is still inhabited. Petty sessions are held here, and fairs on May 25th, July 25th, and December 12 th . Edmund Burke attended the village school when a boy, his father being a reaident in the neighbourhood. Castletoensend, population 570 , a bathing village, pleasantly situated on the westera shore of Castleharen, about 4 miles S.E. by E. from Skibbereen. The customhouse for the port of Baltimore is at Castletownsend, and there is a station of the const gunrd. The parish church atands within tho demene of Castletownsend, adjoining the village. Charleville, population 2660, beaidea 2274 in the workhouse, hospital, and bridewell, 1291 miles S.W. from Dublin by the Great Southern and Western ralvay, on which it has a station, is a well situated, compact, thriving town. The principal street extends about a mile along the old mail-coach road from Cork to Limerick, and is wide and neatly buill. The Roman Catholic chapel is large and handsome. The town, which is situated in tho midst of a rich tillage country, owes its origin to Lond Broghill, son of tho fimt Earl of Cork, who founded it as a parely Protestant borough. The great majority of the iuhabitauts wre now IRoman Catholica. Charleville formerly sent two members to the Irish Parliament, but wan disfranchised at the tione of the Union. The smanufacture of blankets and leather is carriod on to a small extent. l'etty seasions are held. Thore are a station of tho constabulary, a bridewell, a dispensary, and a fever hospital. Fairs aro hold on October 10th and November 12th. Churchtown, population 249, reduced from 633 in 1841, situated mirlway between Buttevant and Doneraile, about 142 miles S.W. from Dublin, is a large, neat village, with a handsomo church. It in tho property of the Eiarl of Egmont, who takes his title from a townland in this parish. This part of the county of Cork abounds in military and ecclesiastical remnins. [Kanturk.] Clorse, which gives title to a bishop, is described in a separate article Courtmacaherry, population 526 , nbout 6 miles E. from Clonkilty, situnted on the south shore just within tho entrance of Courtmacaherry Bay, is the station of a fishery and possesses some trade. A good deal of corn is exported. Near the village is Courtmacaherry llouse, the marine villa of the Earl of Shannon. There is here station of the coast-gunrd. Doneraile, population 1856, situated on the Awbeg, abont 142 miles S.W. from Dublin, is a nent, anall town, formerly the residence of the Lords Presidont of Munster. It contains a church, a lloman Catholic chapel, a small convent, and a courthouse. l'etty semaions aro held here. J'airs aro held on August 12 th and November 12th. Doneraile town gives titlo to the family of St. Leger. The ruins of Kilcolcman Castle, the reaidence of tho poot Spenser, stand about 2 miles north of the town in a some. what bleak mituation on the declivity of the hill of Ballyorra, Recent inventigation has shown that Speneer' wifo was one of the St. Leger family ('l'mocedings of the Royal Irish Academy; 1850.) Douglas, population 75s, about 2 mllea from Cork, but regarded as a nuburb of that city, in aituated at the head of an lulet of Cork harbour. It lian a mall-cloth manufectory and a ropowork. Jumeroun handsome villea adorn the rleluity. filanwort, populatlon 869 , is a largo village, sbout 4 milen N.W. from Formoy, vituated on the Funcheon liver, an affluent of the Blackwater, whlch runs nearly parallel to the Awbeg. It wan at one time a corporato town of somo importance. Near the village are the remalng of a castle which appears to have been of considerable trength. A Domlnican monastery formerly atood here. Besiden the parish church, whleh is an old buildiug, there are a chapel for Koman Catholice and several schools. Six fnirs are held in the course of the year. Innichannon, popuLation 520 , suated on the left bank of the rircr Buadon,
about 4 milen X.E. from Landon, wan fornerly a place of about 4 miles N.E. from Landon, wan formerly a place of
lmportance, but in now a mero villsge, with a mall trade in
linen. By the Bandon river veasele can come up to Iunishannon from Kinsalo harbour. Petty masions are held monthly, and fairs oa May 29th and October 3nd. A dimpenmary of the Bandor Poor-Law Union is stationed here. Rildorrery, populution 497, a small posttown, aituated near the right bank of the Funchoon lirer, \& miles W. ly S. from Mitchelstown. There are hero a lioman Catholic chapel and a dippensary of the Mitchelstown Poor-Law Union. Polly sensons aro hold monthly, and faim in May, June, September, anl Norember. Kilcorth, population 1185, about 2 milow N.N.E. from Fermoy, is situated near the left bank of the F'uncheon River, at the base of the Kilworth Monntains, on the rom from Clogheen to fermoy, in a favourable situntiou for manufacturea; but the great water-power here available has hitherto been only applied to flax-dreaning on a small scale. The town consists chicfly of ono long atreet, which contains several good dwellings. Besides the parish church, which is ancicnt, there is a Roman Catholic chapel. The market-house is a neat building. Tho river is crossed here by a bridge of six arches. There aro some corn-mills. Screral finumansions are in the ricinity. Fairs are held six timob in the year. Liscarrol, population 531, a mile west from Churchtown, is a poor village witls the remains of a noblo castle. Tho erection of the castlo is ascribed to King John. It forms a quadrangle of 240 fect by 120 feet, and was flanked by four circular and two quadrangular towera. Sir Philip l'erceval, the ancestor of the Egmont family, surrounded it with a fosse and covered-way in 1641. l'etty scasions are held here, sad there are fairs on May lstand 31st, August 31st, and November 29th. Monkstown, popnlation 4St, situated abont a mile S. from Passage, on the west shore of Cork harbour, opposito Qucenstown, is an agreeable bathing place, containing acveral good residences. The parish church is a neat urorlern ellifice, with a tower and spire. On an olevated site near the town wtaud the ruins of Monkstown Castle, erected by Eustace Gould iu 1630. The name of the town was derived from a Benedictino monastory, founded here in the 14th century. Fairs are held in March, May, August, ancl November, Necmariel, population 1265, besides 556 in an auxiliary workhouse of the Kanturk Poor-Law Union, situated ou tho river Allua, about 4 miles N.W. from lianturk, is, an its uamo implies, a market-town. It consists chiefly of two streets, containing several good dwelling-houses. In the town are the parish church, a Toman Catholio chapel, several schools, a fover hospital, and a dispensary. John lhilpot Curran was a native of N゙cwmarket, and received his oarlicse instructions at a small school iu the town. Fairs are held on Juno Sth, September 8th, October 10th, and November 21st. 7'assage, population $2855^{\circ}$, about 6 miles E.S. E. from Cork, is pleanantly situated on the west side of Cork harbour, opposite Great Island. There are hore dockyands. A church, a Roman Catholic chapel, and a Wesleyan Methodist chapel are in the town. l'etty sessionsare held here. I'anage in much frequented as a bathing place, and there are uumerous villas in the vicinity. Rathcormach; population 271 , about 14 miles N.N.E. from Cork, on tho left bank of the Bride IRirer, consists chiely of oue strcet. Besides the parieh church there aro here a Roman Catholio chapel, a chapel for Methodists, several schools, a sessious-house, and a fever liospital. Petty sessions are held monthly, and fairs ou August 12 th and October 29 th. Ratheormack had a charter of 33 Charles $11 .$, conferring the power to send mombers to l'arliament. Ross, or Rosso Carbery, which gives title to a bishop, is described separately. Timoleague, population 393, ubout 4 miles E.N.E. from Clonakilty, at the mouth of tho sestuary of the Arrigadeen liver, is chicßy to be uoticed for the remains of its once famous abbey, said to lavo been founded in the 14 th century. Thero are also some vestiges of an old castle. Petty scasions are held monthly, and fairs four times in the year. IVatcrgrasshill, population 651, about 9 miles N.E. by N. from Cork, is situated on the summit of the lofty tract of country which rises betwecu the valley of the Loe and that of the Blackwater. The ground in the vicinity of the town is the highest under cultivation in the district. The gencral appearanco of tho surrounding district is bleak and barren. The town contains a small Episcopal chapel, a lioman Catholio chapel, and a dispensary. I'hitegate, population 1228, about 5 miles S.W.from Cloyne, in situated on the east sido of Cork larbonr. Many of tho inhabitanta are employed in fishing. In the neighbourhoud are several good mansions. Carlisle Fort, one of two fortifications by whlch Cork harbour is defended, stands near the village. There is herc astation of the const-guard.

Indualry. - The linen and woollenmanufact ures at oue time flourished in several towns of thin county. Of late conaiderable eflorts have been made to rovive the linen manufncture. The growth of flax has been cxtenaively promoted. Scutehing-mills havo been put up in various parts of the county, and an establishmeat was opened a few jrars ago at Drimolenguo, near Skibbercon, for stcepling tho flax by an improved procesm. The cultivation of green crops hat been considerably extended in consequenco of the potato failuro; and the condition of tl:o southern distriets of tho county ham been raterially improved. Tho Eehcries along the coast are important. Tho head-quarters of the various fishery districts are Youghal, Qucenstown, Kinfale, Skibbereen, and Castlctown. Theso districts comprise in all 383 miles of maritime boundarics, eroploying about 5000 registered fishing vessela, and about 25,000 men and boys.

Before tho coming of tho Englinh, Cork was a separate kingdom, of which the princes were the Mac-Carthys. The sucient kingdom of

Cork included, besides the present county, a considerable tract in Kerry and Limerick. In 1172 Dermod Mac-Carthy, king of Cork, swore fealty to King Henry II., but broke his engagements, and the kingdom thus forfeited was bestowed by King Henry in 1177 on Robert Fitz-Stephen and Milo de Cogan. The city of Cork, with the cantred adjoining, was reserved to the king. Fitz-Gerald, the eighth earl of Desmond, a descendant of De Cogan, found himself in possession of almost the entire kingdom of Cork; bnt assuming to himself the right of levying separate exactions on the king's subjects, after the Irish manner, he was attainted of treason and beheaded at Drogheda, 15 th February 1467. Gerald, the fifteenth and last carl, possessed territory to an amount almost unerampled in the history of private property in Ireland. His estates extended upwards of 150 miles throughout the counties of Waterford, Cork, Kerry, and Limerick, and comprehended an area of 574,628 acres, according to the rough estimate of those times, the calculation seeming to have reference only to profitable land. When Simnel and Warbeck endeavoured to engage the English people in favour of their pretensions, many of the Irish nobility who were of English descent left their estates in Ireland in order to render assistance. While they were absent in Fingland the Irish retnrned from their fortresses and overran the new plantations.

On the breaking out of the northern rebelliou in Elizabeth's time, Cork was considered the fittest place for an attompt in faronr of the Catholic cause under the auspices of King Philip of Spain, to whom the country had been offered by Pope Gregory XIII. The principal Iriah agent in bringing about the invasion was James Fitz-Maurice, the brother of the fifteenth earl. The war which ensued was predatory and sanguinary on both sides, and lasted till November 1583, when the Earl of Desmond, after losing all his castles, and being driven to lurk for months together in the woods, was put to death by one Kelly. "The forfeited estates were divided into seigniories, and granted to English adventurers. Upwards of 20,000 acres fell to Sir Walter Ralcigh, who had been active in the suppression of the rebellion. In 1602 Sir Walter IRaleigh conveyed his proportion in Cork and Waterford for a small sum to Sir Richard Boyle, afterwards earl of Cork. On the breaking out of tho rebellion of 1641 the English weregenerally successful in retaining the walled towns and castles. Lord Castlehaven had some successes on the other side in 1645, taking Mitchelstown, Lisearrol, Mallow, Doneraile, and various castles north of the Blackwater in this county; but these places did not long remain in his hands. Two important engagements took place in the county in 1642 and 1647, in both of which the Irish were defented. About 1657 Lord Broghill began to agitate the question of the restoration, which event he was mainly instrumental in bringing about in 1660 ; he was subsequently created Lord Orrery, and advanced to the presidency of Munster. During the war of the Revolution this couty was again the theatro of a desultory but sanguiuary scries of couflicts between the native Irish of the rural districts and the militia of British descent.

Tho antiquities of Cork county are chiefly military, and comprise nome of the finest buillings of tho kind in Ireland. The castle of Kanturk, built by M'Donogh, Prince of Duhallow, is a quadrangle of 120 foet by 80 fcet, and about 70 fect in height. Lohort castle, built in King John's reign, is a massive keep 80 feet high. Liscarrol castle, of the same date, is already noticed. Blarney castle, built by Cormack M'Carthy in 1443, is still a fine ruin, though only onefourth of the original building is now standing: the walls are 18 feet thick, and the great tower 90 feet high. The other castles still standing in the county aro very numerous, and of great historical interest.

Cork connty lies within the dioceses of Cork, Cloyne, Russ, and, to a small extent, in Ardfert and Aghadoe. Cork is the assize-town. The county jail, about three-quarters of a mile from the city, is considered the most perfect institutiou of the kind in Ircland. There are 18 bridewells in the other principal towns. Quarter sessions for the east riding are held at Cork, Fermoy, Kanturk, Kinsale, Mallow, Midleton, and Youghal; for the west riding at Bandon, Bantry, Clonakilty, Macroom, and Skibbercen. The county infirmary and lunatic asylum are at Cork: there are fever hospitals at Cork and 15 other towns, and 71 dispensaries in the county. Cork city is the head-quarters of the Cork military district: thero are 17 barrack stations in the county. A convict extablishment commenced in 1817 is maintained on Spiko Island. Tho constabulary force numbers in all 647, including officers; in the east riding there are 12 districts with 79 stations; the west riding has 8 districts and 50 stations. The east riding has 12 , and the west riding 33 stations of the coast-guard, including in all 29 officers and 246 men. In 1851 there were three ravings banks in the county-at Cork, F'ermoy, and Youghal. Tho amount owing to depositors on November 20th, 1851, was 303,728l. 14s. 7 d .

Tlise connty was represented in the Irish Parlinment by 26 members, of whom two were roturned by the county, two by the city of Cork, and two each by the boroughs of Kinsale, Youghal, Ianclon, Mallow, Doneraile, Ratheormack, Midleton, Charleville, Castlemartyr, Baltimore, and Clonakilty. With the exception of Cork, Jandon, Mallow, Kimale, and Youghal, these loroughs, at the time of the Union, lont their privilege of representation. The reprowentation is the Imperial I'arlianent is now coufiued to two members
for the county at large, two for Cork eity, and one for each of the boroughs of Youghal, Bandon, Mallow, and Kinsale.
(Smith, History of the County of Cork; Cox, IIistory of IJelond; Ordnance Surrey Map; Thom, Irish Almanac.)

CORK, Ireland, a municipal and parhamentary borongh, an episcopal city, a county in itself, and the seat of a Poor-Law Union, is situated in $51^{\circ} 53^{\prime} \mathrm{N}$. lat., $8^{\circ} 20^{\prime} \mathrm{W}$. long., distant 166 miles S.W. from Dublin by the Great Southern and Western railway. The population of the municipal borough in 1851 was 85,745 , besides 4277 in the workhouse and other public institutions. The borough is governed by 16 aldermen and 48 councillors, one of whom is mayor; and returns two members to the Imperial Parhament. The public works are under the care of various bodies of commissioners. Cork Poor-Law Union comprises 28 electoral divisions, with an area of 169,828 acres, and a population in 1851 of 167,450 .

The city is situated ou the river Lec, about 7 miles above tho expansion of that river which forms the land-locked harbour of Cork. The central part occupies the enstern half of au island about two miles in length and half a mile in breadth at the widest part, formed by the north and south channels of the Lee. The remainder of tho city is built on the declivities of the river banks; the northern section extending to the distance of akout a mile northward with a steep ascent along the leading road to Mallow, and the southern lying along a gentle slope parallel with the river. The name of the city (Corcagh) indicates the marshy nature of the site on which it is built. The city is lighted with gas, and well supphed with water. Among the public buildings in the insular part of the city are the custoinhouse, the commercial buildings, the county club-house, and the chamber of cominerce. The city and county court-house, erected in 1835, at a cost of 22,000 l, has an octostyle Corinthiau portico, surmounted by colossal cmblematic figures of Justice, Law, and Merey. The columns, whiclı are 30 feet high and advanced 20 feet iu front of the building, rise from a platform 7 feet above the level of the street.
From the island a fine approach to the eity is afforded throngly Great George-street and along the Western-road. In the northern part of the city are the city jail, and extensive barracks. The church of St. Anne Shandon stands on the ascent of the bill, and as its tower rises 170 feet high, it makes a conspicuous appearance. On the south side of the river are the corn exchange, tho lunatic asylum, the cathedral, the Quecir's college, and the county jail. The cathedral is a plain oblong building, almost wholly of modern erection. A pointed doorway, and the tower, which is surmounted by an octagonal spire, are tho principal portions of the old building remaining. The diocesan library stands to the east of tho cathedral. On the west is the episcopal palace, and to the west of this, on a bold sito overlooking the gardens and promenades of Mardyke, from which it is separated by the south channel of tho Lee, stands the Queen's college. The northern front, extending 300 feet, oxhibits a bold eleration in the later Enghish style. An cutrance tower, 70 feet high, and an examination hall, advanced beyond the line of the façade, are conspicuous features. The interior quadrangle is cloistered on two sides. The material of the building is gray limestone. Both branches of the river, with the exception of a portion of tho southern channcl, are quayed throughout the whole extent of the city. The river is crossed by nine bridges, of which the prineipal are St. Patrick's bridge, of three arehes, leading to St. Patrick'sstreet from tho northern side of the river, and Anglesey bridge, of cast metal, opposite the corn exchange, with a drawbridge to admit vessels to the upper quays of the south branch of the river. A tract of 240 acres has recently been reclaimed from the bod of the river, and laid out in walks and carriage drives as a city park.
Besides the cathedral there are in Cork six parish churches and two chapels of ease, three Roman Catholic parochial chapels, four monasteries, and two nuaneries, each having a chapel attached; two chapels for Presbyterians, four for Methodists, two for Baptists, one for Independents, and one for Quakers. Of the Romau Catholic places of worship, tho most spacious is the united parish chapel of St. Mary's and St. Anne's, Shandon, which serves as the cathedral of the diocese. It is extermally a plain building in the later English stylc, but very richly decorated in the interior. Brickfield chapel of caso is a handsome edifice in the Grecian style, with an elogant portico of eiglit columns of gray marble, and a Corinthian cupola surmountod by figures of ethe Apostles. St. Mary's chapel, on Pope's Quay, in the northern division of the city, has an Ionic portico of six columns. The Roman Catholic chapel on Charlotte's Quay, adjoining the South Mall, erected a few years back by the very Rev. Theobald Mathew, the celebrated advocato of Temperance, is a rich and striking specimeu of the pointed gothic, built in gray limestone. The frout has an open portico of three lofty arches, with a sereen of rich tracery in the contre arch, forming a porch. Tho building consists of a nave and aisles, with flying buttresses. The spire and tower, which are of light and graceful proportions, rise to a height of 200 feet. The cost of tho building exceeded $20,000 \mathrm{l}$, to which Mr. Mathew contributed 10,000l.
The literary and scientific institutions are, besides the Queen's College, the Royal Cork Institution, incorporated in 1807, for "diffusing the knowledge and facilitating tho general introduction of improvements in arth and inanufactures, especially in agriculture;"
the Cork Library Socioty; tho Mechanics Institute ; the A griculturnl, Hortiouftural, nud Cuvierian sucieties; and an Art.Union. The Cork Institutiou is established in the old custom-house, a large brick building on the northern branch of the river, where there is a library, an observatory, a museum of plysical and experimetal philosophy, and a gnllery of casta from the antique. Tho cants in the museurs of tho institutiou were oricinally presented by Kiug George IV. to the Cork Society of Arta. This society was for a time eminently successful, and numbers among its former pupils some of the most distinguished artists of the dry in painting nad sculpture, for which arts the Cork youthe areconsilered to poanese a naturnl genius. The former botanical gardens attached to the Cork Institutiou, situated on the south-erstern vutskirts of the city, near the workhouse, wero purehanod by the very Rev. Mr. Mathew, ant lasve been converted iuto a cometery on the plan of that of P'ero la Chaise at I'aria.

Of the claritable institutions the principal until the new Poor Law supersedel it was the Foundling hospital, originally intended as a workhouse. The hospital derived its income from a tax of one shilling per ton on all conls that camo into the harbour. This impost is wow abolished. Skiddy's almshouses, Bertridge's charity, the BlueCoat hospital, and Green-Cont hospital, aro charitable foundations in which relief is extended volcly to Protestants. There aro also two infirmarion and a Fever howpital, two Lying-in hospitals, two Houses of lefuge for destitute females, a general dispensary, and a uumber of minor charities and bencroleut institutions. A sum of 30,000 . was lu 1 S33 bequeathed by a Mr. Lapp for the support of the aged I'rotestant poor of the city.

The river banks from a distanco of sereral miles above the city to Cork Harbour, are richly planted and studded with villas. The sceuery from Cork to Passage by the river is particularly fine, the banks on both sides being continuously occupied with the omnmental planting and pleasure-grounds of a scries of villa residences. Blackrock Castle, a picturesque tower used by the corporation of Cork as conservators of the river, and serving as a lighthouse, is situated about four miles below the city on the southern bank of the river, and is surrounded by scenery of great luxurisnce. Below Blackrock Poiut the Lee forms a sheet of water called Lough Mahou, which is crossed at its narrowest part by a forry betwoen Paseage and Grest Island, and three miles farther south expands into the noble land-locked harbour of Cork. The northern portion of the basin of which Cork Harbour proper forms only a portiou, is occupied by Little Islaud, lonty Islaud, aud Great Island, separated from oue auother and (on all side but the south) from tho mainland by narrow sestuaries. The expause of deep water included botwoen Great Island and the southern shore of the basin is from 2 to 31 miles from north to south by from 2 to 6 miles from cast to wesh. Tho entrance from the sea is 2 miles long aud threequarters of a milo broad, aud is defended by Carlisle fort at the easters entrance and Cauden fort at the western entrance. Spile Island, Rocky I aland, and llawlbowline Island lie ou the western side of the harbour, and are occupied respectively by a conrict depot and strovg fortifications, a powder magazine, aud naval and ordusuce Hores and warchouses. Un the south side of Great Island, overlooking the luner harbour, is Cove, now Queenstown. Hero is anlimited anchorago for the largest ships. [QuEEsstows.] Within the last few yenrs great improvemeuts have been anade iu the narigation of the river, aud vessels of 600 tons can now unload at the quaja Belonging to the port aro 110 pilots, who are uuder the care of tho harbour comuissioners. The number aud tonnage of vessels registered as belonging to the port on December 31 st 1852 wore:-Under 50 tons, 160 sailiug vessels, tonnage 3072 ; above 50 tous 232, tonnago 41,608 : stoam vossels, uuder 50 tons $\%$, tounage 214 ; above 50 tons 16 , tonnage $46 \%$. The number nad tonnage of vessels which cutered and cleared at tho port during 1852 were:-Contwiee, sailing venocle, inwards 1070 , tonnago $135,65 \%$; outwhrds 1266 , tounage 84,405 : steam vensels, inwards 249 , tonnago 100,012 ; outward 255 , tonnage 102,145 . Colonia, iuwards 53 venols, lonnage 14,388; outwards 75 , tomuago 19,536 . Foreign, inwards, British vemels 202, tonnago 39,675 ; forcign vessels 162 , tonnage 87,939 : outwarde, British vosmels 62 , tomuage 12,491 ; foroign vensels 142 , tonnage 33,608 .

The nehool of St. Ilarr is supponed to hare first drmwn inhabitauts to the locelity. The city walle were built by the Dane in the Dth century, and afterwards repaired by King John. About 1620 Cork was counted the fourth city of I reland, being inferior both to Waterford and Linerick. In 1690 is endured a siego conducted by the Dulie of Marlborough, wlith a force of about 10,000 foot and 1200 horse, against whleh lt held out for fivo days The city has hacreased greatly since the beginning of the lart century. The inland was formerly internoctenl ly numerou camals, whlch havo been arched over from time to tiroe, and now form tho principal morlem atreeta. The Grand Farade wa then formed in 1780 ; l'atriekertreet in like innaner in 1783; and Nilestreet In 1\%05. The South Mall, the best strect In Curk, and Selmonis l'lace, had a sinllarorigin. The fusular appenranca of the central part of the city is thus in great ruensure romoved.

The enlargement of the city lue bem sccompanled by the grariual drainlng and rechiming of the erljoining marshem Theso limprovements were chiefly effectol alxut $1 \% 20-30$. The appenance of the city in somewhat marral by the practico of weather-slating the
strect frouta of many of the housea Tho stono generally employed in buildiug is clay-alnto of a dark colour.

A considerable amount of trade is carriod on in Cork. The chiof import trade is that of timber, of whleh the aunual avernge is 15,000 tom, The principal articles of export are bacon, butter, corn, live stock, provinions, und linen. Cork butter holds a very high clannactur in the market, chiefly owing, it is said, to the superior cooprerage uf tho caaks. Manufactures of glase, metal cnstings, gloves, leather, and woollen cloth are carried on. There are nunnerous and very extennive distilleries aud broweries, and a largo manufacture of flour ineal. The forcign aud eolonial trade is principally with Portugal, the Meditermaean, the Baltic, and Canads Tho amount of custous duties in 1851 was 236,531 . The city is the assize town for tho county of Cork and is on the Muuster circuit.

The sec of Cork is in the arehdiocese of Dublin and Cashel. The chapter consists of a dean, chanter, chancellor, treasurer; archileacon, and 12 prebendarjes. The dioceso stretches ncross the cential district of the county of Cork, and includes the connty of the city. It oxtends in leugth, from aast to west if miles, and from sorth to south 16 miles it contains 83 parishes, constituting $\tilde{7} 7$ beneficer The foundation of the see is ascribed to St 13arr, about the begiuning of the 7th century. It became uuited to Cloyne about 1104, aud su continuod till 1586, when together with Cloyuo it was annexed to the diocese of Ross. In 1678 , these dioceses were ngain divided, Cork and loss going togother, aud Cloyne forming a scplarato dioceso. By the Act 3 rd and 4 th Wm. IV. c. 3 \%, called the Church Temporalitics Act, theso sees ngaiu became united, and the iucome of tho bishop was fixed at $2408 \%$ per annum.
(Ordnance Surcey Map; Smith, IFistory of the Counly of Cork; Lewis, Topographical Dicionary: Thom, Irish Almanac.)
COIRNOUAILLES, a county in lasse-Bretagne, in France, of which Quimper-Coreutin was the capital. It comprised the diocesses of Quimper aud St-Pol-de-Leou, and is now divided among the dopartments of COtes-du-Nord, limistere, and Slorbihan. In the time of Julius Cxsar this district was inhabited by the Curiosoliti and the Osismil. The name souso derive from 'Cornu Gallize' (extrenrity of Gaul), others from the Euglish 'Cornwall,' whence they say a number of the ancient Britons emigrated to this part of Bretagne.

CORNUS, [AVEYRON]
CORNWALL, an English county, forming the south-west extremity of the island of Great bitain. The form of the couuty approaches that of a right-angled triangle, of which a lino about 70 miles lugg, drawn east-north-east aud west-south-west from Pculeo Point at the entrance of Ilymouth Sound to the land's Find, mny bo reganded as the base; nuother line 42 miles long, drawn north-north-west aud south-south-enst from l'cnlee Point to tho north-east corver of the county as the perpendicular; and a line 81 milos loug drawn uorth. cast and south-went from the last-meutioned point to tho Land's End as tho hypothcuuse. Cornwall lics between $49^{\circ} 56^{\prime}$ nud $50^{\circ} 50^{\prime} \mathrm{N}$. Int, $4^{\circ} 7^{\prime}$ nud $5^{\circ} 42^{\prime} \mathrm{W}$. long. Tho area of the county, exoluaivo of tho Scilly Isles, is 1365 squaro miles, beiug rather less thau the area of the triangle above described. The populatiou of Coruwall, includiug the Scilly Islands, was $355,55 \mathrm{~S}$ in 1851 , being 259 persous to a square mile, tho gencral average for Euglaud and Wales being 307 persous to a square nile.
The only eounty with which Cormwall is conterminous is Deronshire, which bounds it E.N.E. ; on all other sides it is surronuled by the ocean. Tho north-west const is high and rocky. Tracing it frout the border of Devonshire it ruus south by west, and forms two very slaallow bays (Bude Bay aud Widemouth Bay), succeoded lyy tho licadlands Dazard Point, Castlo Point, Penkenuer Point, and Carubeak. From Carmbenk tho coast runs wouth-west and forms several headlands, Tintagel llead being the priucipal ; aud several small bays as far ns Peutire and Stepper Points, near the mouth of the river Alas or Caucl, tho entrance of which forms the haven of Padstow. A few miles W.S.W. from these is Trevose Ilead, the most prominent headlaud on this sido of the county: thin is succeeded by Coustantine, Watergate, and Towau bays, Towan Ilead, Fistal, Crnntock, and Holywell bays, l'enlale Point, Liggor or I'crrus May, and St, Ives Bry, Gurmard's llead, Capo Coruwall, Polpry and Peden-Mena. Due Points, the lant of which is less thau a mile from tho Laad's lind. The geuernl direction of the conat from 'Irevonc Ilcad to Cape Corawall is southawest; from Capo Curnwall to the laud's Find due south. Along this side of tho county are scnitered neveral islets aud insulaterl rocks, but nothing that is wortly of notico. Orf the Land's End aro tho Scilly Ishads, a uunerons and not unimportaut group. [SCLLLY IsLANDB,]
Tho const fron Laud's lind to Mlyutouth Sound is marked by bolder promontories aud deoper bays, and han moro frecpuent iutorvals of low aud shelvlug beach. Froun the Laud's lind to Moust's Bay the const forms a line conrex to tho ocean, uroken by a uuuber of Amall heallands with jutervening coves. Mouut's lhay takes its name from Sh. Michacl's Mlount, a romaikablo insulated rock oplrasite the town of Jlarazions, and couuectod whth the mainland by a causeway over the sauds; Cuddan Point forms tho castern boundary of the bay. From Cuddan l'oint the cosst runs southerast to the Lizaril, the most southern poist of England: and thence turning northeast forms tho headhands of Inuis Head, Black Ilead, Chymala Point,

Dranna Point, Nare Point, Rosemullion Head, and Pendennis Point, which last two form the extremities of Falmouth Bay. Between Nare Point and Rosemullion Head is the wide astuary of the Helford River. Between Pendennis Point and Zono or St. Anne's Point (the next important headland) is the wide esstuary of the Fal, known by the name of Carrick Road, of which Falmouth harbour and St. Mawes harbour are branches. From Zone Point the coast still runs northeast to Greber Head, forming Gerrans, Verryan, Mevagissey, St. Austell, and St. Blazey bays, with the intervening headlands Pennare Poiut, Dodman or Deadman Point ( 379 feet high), Chapel Point, and the Black Head. From Greber Head the coast runs east to the Rane Head and Penlee Point (which is tho entrance of Plymouth Sound), forming Looe and Whitesand bays. The rocks and islets along this const are too unimportant to require notiee.

Launceston, which has commonly been considered as the county town, is on the eastern border of the county; but Bodmin, which has a better title, is more central : it is about 210 miles W.S.W. from Londou in a direct line, or 234 miles by the road through Salisbury and Exeter.
Surface, Hydrography, Communica:ions, de. -From the eentral part of Cornwall, which is the highest, the land slopes towards the sea on each side. The whole surface of the county is irregular. The great post-roads pass over the central high ground, from which, being for the most part waste moorland, travellers are led to form a more unfarourable opinion of the soil than, taken altogether, it deserves; for in many parts it is pleasingly diversified by hill and dalo; some of the valleys are beautifnlly pictnresque, presenting corn and meadow laud, wood, and water. On the north coast the land is generally high with short narrow valleys; on the south coast the valleys are wider. The central ridge approaches, on the border of Devonshire, the north-western coast; the streams that flow from its south-east side have eonsequently a longer course, and are the nost considerable in the county. The height of some of the hills is considerable, but they have not generally striking or pieturesque forms, exeept where they extond down to the coast and furm abrupt headlands, as at Tintagel, Cape Cornwall, and the Land's End. The elevations which rise above 800 feet are:-Brown Willy, at the souree of tho river Fowey, 1368 feet; Rough Tor, near Camelford, 1296 feet; Sharppoint Tor, 1200 feet; Trewartha Tor, 1050 feet; Mennaclew Down, 1124 feet; Temple Tor, near Temple, 900 fcet ; Tober Tor, near the Jamaica Inn, 1127 feet, and several others of nearly equal height belong to the range of which Brown Willy is the highest point; Caradon Hill, north of Liskeard, 1208 feet; Kit Hill, on Hiugaton Down, near Callington, 1067 feet; Hensbarrow Down, north-west of St. Austell, 1034 feet; Cadon Darrow, near Tintagel, 1011 feet; Carnmarth, southeast of Redruth, 849 feet; Carnmenelez, CarnMenelis, or Carnbonellis, south of Redruth, 822 feet ; and Carnminnis, south-went of St. Ives, 805 feet.
The principal rivers of Cornwall are the Tamer, with its tributaries; the Fawey, or Fowey; the Ful; the Alan; the Seaton; the Looo; the Hel, or lIelford; and the Heyl. The Tamer rises by Moorwinstow, in the moors which form the north-east point of the county and extend into Devonshire, and flows south-south-east into Plymouth Sound, forming almost throughout its entire course the boundary between Cornwall and Devonshirc. It has some small tributaries called the Deer, the Claw, the Werington, the Attery, the Lyd, and tho Iuny. Delow the jnnetion of the Inny the course of the Tamer, hitherto tolerably straight, becomes more sinuous, especially where it skirts the baso of Ilingston Down. The bed of the river then widens and it becomes an sestuary, or tide-water. Near its mouth it receives the Tavy from Dartmoor forest, and the Lynher or St. German's River from the downs between Launceston and Bodmin. The whole course of the Tamer in about 59 miles; it is tidal for about 19 miles. The Pawey, or Powey, riscs on the east side of Brown Willy, to the right of the high road from Launceston to Bodmin. It flows south-southcast for neveral miles, aud then turning westward receives on the right the rivers St. Neot's and Warleggan, besides a number of brooks: it then turns south, and passing Lostwithiel falls into the nea at the borough of Fowey. It is not navigable above the point to where the tide flows. Its whole length is about 30 miles; the tide flows about 6 miles up-formerly it flowed higher. The 4 lan, or Camel (that is, the Crooked River) rises near Davidstow, about 3 miles N.N.E. from Camelford, and flows south by west past Camelford, afterwards to the south-weat, then north-west to Padstow, a little below which it falls into the Bristol Channel hetween Pentire Point and Trevose Ilead, on the north-west coast. Its whole course is about 29 milen, of which about 8 miles are navigable. The mouth of the Camel forms a harbour for ships of 200 tons. The Fal rises in Tregoss Moor, near the high road from Lodmin to Truro, and flows south or south by west to Grampound and Tregony, receiving in its course the water of a number of brooks. From Tregony it fiows south-west 5 or 6 miles into the Mopus lioml, formed by the waters of St. Clement's Creek, which rises near St. Michael or St. Mitchell and flows south by west, and of the rivers St. Allon, Kenwin, and another, which meet at Truro just before they join St. Clement's Creek. From its junction with the Mopus Road the Fal flows southward into Carrick or Carrog Itoad, where it is joined by a river from the neighbourhood of liodrutl. Falmouth liarbour is an inlet of Carrick Road on the west side ; St. Mawcs Harbour is another inlet on the enst lload. The
whole course of the Fal is about 20 miles, of which nearly half is tide water: Carrick Road, with its inlets, is reckoned one of the finest harbours in Great Britain. The Seaton and the Looe are two small rivers rising uot far from Liskeard and flowing south iuto the sea; the Seaton ou the east and the Looe on the west of the town of Liskeard. The Seaton, which is the longer of the two, is rather more than 10 uniles long. The Looe, which falls into the sea between the towns of East Looe and West Looe, is joined near its outfall by the Black Looe. The tide flows for a short distance up both these streams. Another river of nearly similar name (the Loo) whieh runs by Helstou, forms a lake or pool immediately below that town. The Mel, or Helford, is a small river, remarkable only for its large æstuary, which penetrates about 4 or 5 miles inland, nearly half the length of the river. The mouth of the Hel is betweeu Naro Point and Rosemullion Point, near Falmouth. The river Heyl, which falls into St. Ives' Bay, is about as long as the Hel, and has also a large æstuary. The astuary of the Hel forms a haven for vessels of 200 tons; that of the Heyl, owing to a bar at the mouth, is aecessible only to sloops of not more thau 100 tons burden.

Cornwall has three navigablo canals. The Bude and Holsworthy Canal, part of the course of which is in this county, runs eastward from Bude Haven to near the ehannel of the Tamer, from which point the Bude and Launceston Canal branches off to the south-south-east to Launceston. The ehief object of these canals is to facilitate the introduction of Welsh coal, and the carrying of shelly sand from the coast to the interior to be used as manure. The Liskeard and Looe Canal runs south from Liskeard to the æstuary of the river Looe, and is designed to facilitate tho transport of timber, coal, manure, and the mineral products of the distriet.
The mail road from London to Falmouth passes over a considerable part of the county, entering it by Poulston bridge, over the Tamer, not far from Launceston, and running south-west by Launceston, Bodınin, and Truro. Here, and farther south, several branch roads strike off and afterwards re-unite with the main road, which proceeds to the Land's End. Another road from London by Exeter and Tavistock crosses tho Tamer at New bridge, and runs south-west by Callington, Liskeard, and Lostwithiel, St. Austcll, and Grampound, to Truro. The mail-coach roads are very good.

Geology, Mineralogy, dc.--The rocks which predominate in Cornwall are among the lowest in the arrangement of the strata of our island, and belong to the primitive and transition classes. The high land which oeeupies the centre of this peninsular county, and extends from betweem Launceston and Bodmin on the north-east to the Laud's End on the south-west, is composed of granite, whieh in several extensive districts rises to the surface. Oecnsional veins or shoots from this granite formation penetrate northward and southward into the superincumbent strata; but they do not geuerally exteud far from the principal masses of granite; they are frequently insulated. The granite of Cornwall contains numerous metallic veins, both of copper and tin. It is liable to decomposition, to which cause is ascribed the existence of a tract of loose white kaolin or porcelain carth, some miles in extent, near St. Stephen's, betweeu Bodmin and Grampound, and on the south side of the granite range: this kaolin is sent to Worecstershire for use in the poreelain manufacture. The decomposition of granite has probably formed those singular phenomena which were once generally regarded as Druidical relics, the Logan Stone, Cheese-wring, \&o. St. Miehael's Mount, in Mount's Bry, is chiefly composed of granite split into irregular masses. Granite is termed by the Cornish miners "grouan."

The rock commonly reposing on the granite is the 'killas' of the miner, the grauwacke of the geologists. (De la. Beche.) Grauwacke, indecd, forms the principal roek of Cornwall. On the south or southeast side of tho granite formation, the strata dip south-east at an angle of about 70 degrees: ou the opposite side of the granite forma. tion the dip is nearly north-east. The killas is traversed by veins or dykes of granitic and felspar porphyry, termed by the miners 'Elvan.' These dykes (or channels in the language of the miners) are rarely found in the granite; thcir general direction on the surfaee is, according to Mr. Greenough's Geologieal Map, and the Geological Map of the Ordnaneo Survey, north-east and south-west; they vary from a few fathoms to 50 and even 80 fathoms in thiekness; and in some cascs are continuous through a long tract of country. The metallic vcins, both of tin and copper, commonly pass through them, but are for the most part narrower wheu in the Elvan than when in the superincumbent and subjacent rocks, Roofing-slate is quarried in the killas formation near Tintagel Head. The metallic veins which contain copper or tin, or both, run usually east and west, and penetrate both the granite and elay-slate; those which contain lead, silver, cobalt, or antimony, run north and south, with little exception, and are believed to be always in the clay-slate.

The Lizard Head is composed of mica-slate, which however occupies a very limited area; the neighbouring country is composed of hormblende and diallago rocks, but ehiefly of serpentine. Near the Lizard are veins of soap-stone, which, when first raised, is so soft that it may be kneaded like dough, but becomes friable after being exposed to the air ; it is used in the manufncture of porcelain. The serpentine incloses and passes into asbestos, and small quantities of native copper have been found in it.
the Cork library Socioty; the Moclanics Iumtituto ; the Agricultural, Horticutural, aud Cluvierian mocietien ; and an Art.Uniou. The Cork Institntion is established In the old custom-house, a largo brick building on the northern branch of the river, where tbere is a library, an obeervatory, muscum of physical and experimeutal philosoply, and a gallery of casts from the antlque. The casts in the inuseum of the institution were originally presented by King Georgo IV. to the Cork Society of Arts Thi society was for a time ominently succeasful, and numbers among its former pupila some of the most distinguished artists of the day in paiuting and sculpture. for which arts the Cork youths are considered to possess a natural geninm. The former botanical gandens attsched to the Cork Institution, situated on the sonth-eastern ontakirte of the city, near the workhoune, were purehased by the very IRev. Mr. Mathow, and have been courerted into a cemetery on the plan of that of Pere la Chaise at Paria.

Of the claritable institutions the principal until the now l'oor Law superseded it was the Foundling hospital, originally intended as a worthonne The hospital derived its income from a tax of one shilling per ton on all conls that enmo into the harbour. This impost is now abolinhod. Skiddy's almshouses, Bertridge's charity, the BlueCont hompital, and Creen-Coat hompital, are charitable foundations in which relicf is oxtended molely to Protestants. There aro also two infirmaries and a Fever bospital, two Lying-in hospitals, two Houses of 13efuge for destitute females, a general dispensary, and a number of minor charities and benevolent institutions. A sum of $30,000 \%$. was In 1833 boqueathed by a Mr. Lapp for the support of the aged Irolestant poor of the city.

The river banks from a distance of several miles above the city to Cork Ilarbour, are richly planted and studded with villas. The scenery from Cork to Passage by the river is particularly fine, the banks on both sidea being continuonsly occupicd with the ornamental planting and pleasure-grounds of a series of villa residences Blackrock Castle, a picturesque tower used by the corporation of Cork as conservators of the river, and serving an a lighthouse, is situnted about four miles below the city on the sonthern hank of the river, and is surrounded by sceuery of great luxuriance. Below Blackrock Point the Lee form a sheet of water called Lough Mahom, which is cronsed at its narrowest part by a ferry between Paspage and Great Island, and three miles farther south expands into the noble land-locked harbour of Cork Thenorthern portion of the basin of which Cork llarbour pruper forms only a portion, is occupled by Littlo Islaud, Foaty Island, and Great Island, separated from one another and (on all sides but tho south) from the mainland by narrow nestuaries. The expanse of deep water lacinded botween Orent Island and the southern shore of tho basin is from 2 to 34 miles from north to sonth by from 2 to 6 milem from cast to west. The entrance from the sea is 2 miles long and threo-quartors of a mile broad, and is defended by Carlisle fort at the eastern cntrance and Cainden fort at the western eutrance. Spike Island, IVucky lsland, and Ifawlbowline leland lie ou the western side of the harbour, and are occupied reapectively by a convict depót and strong fortifications, a powder magnaine, and maval and orduance store and warehonses. On the south side of Grent laland, overlooking the inner harbour, is Cove, now Queenstown. Here is unlinited anchorage for the largent ships. [Queesstows.] Within the last few years great improvements have been made in the mivigation of the river, and vessels of 600 tous can now nnload at the quays. Belonging to the port aro 140 pilots, who are uuder the care of the harbour commiasioners. The number and tonnage of vessels registerel as belonging to the port on Decenuber 31st 1852 were:-Under 50 tons, 160 sailing vessels, tomange 3072 ; above 50 tons 232, tonnage 11,008: stcam vassels, under 50 tons 7 , tonnage 214 ; above 50 tons 16, tonasge $46 \%$. The number and tonnage of veachs which entered and cleared at the port during 1852 were:-Contwise, mailing reasels, inwards 1670 , tonnago 135,657 ; outwards 1266 , tonuage 84,465 : steam veesels, iuwards 249 , tonnage 100,042; outwards 255, tonnage 102,145. Colonial, inwards 53 vessels, tonnago 14,885 ; outwards 75 , tonnage 19,536 . Forelgn, inwand, British romels' 202, tonuage 39,675 ; forcigu vessels 162, tonnage 37,933 : outward, British vessels 62 , tounage 12,104 ; foroign Tenseln 142, tonnage 33,608.
Tho achool of Sit Marr is suppowed to have first drawn inhabitants to the locality. The city walls were built by the Dnnes in the Dth century, and afterwardn repairod by King John. About 1620 Cork was connted the fourth city of Ireland, being inferior both to Waterford and Limerick. In 1050 it endured a ajego conducted by the Duke of Marlborough, with a force of about 10,000 foot and 1200 horse, against which it held out for five daym. The city has lucreasod greatly since the beginning of the lart century. The island was formerly intersecterl iy nuteroun canale, which have been arched over from tine to time, and now form the principal motern etroeta. The Grand Parmie whe thue formed ln 1780; latrick-ntreet In like inanner in 1783 ; and Nile-strcet in 1795. The South Mall, the beat street in Cork, and dieloon'n llace, had animilar origin. The innular appearance of the central part of the city is thun in great meamure removed.

The enlargement of the city han been sccompanied by the sradual draining and rechiming of the mljolning marahes Thew lipmovements were chiefly effectod alwut 1720-30. The appearance of the city is somophat marred by the practico of weather-slatiug the
strect fronts of many of the houses. The etone geaerally employed in building is clay-slato of a dark colour.

A considerablo anonnt of trade is carried on in Cork. The ehiof Import trule is that of timhor, of which the manal averngo is 15,000 touk The principal articles of export are lucon, buttor, corn, live stock, provinions, and limen. Cork bnttur holds a very high chameter in the market, chicfly owing, it is maid, to the saperior cooperage of the caalka, Manufncturew of glana, metal castinga, gloves, leather, and woollen cloth are carriod on. Thene are numeroun and very extensive distilleries nud broweries, and a large manufacture of flour mena. The foreign and colonial trade is priucipally with Portugnt, the Mfediterranean, the Baltic, and Canada. The amonnt of customs dution in 1851 was 236,531l. The city is the assize town for the county of Cork and is on the JInuster circuit.

The see of Cork is in the arehdiocese of Dublin and Cashcl. The chapter consists of a deun, chanter, chaucellor, treasurer, archaleacon, and 12 prebendaries. The diocese stretches acrose the central district of the county of Cork, and includes the county of the city. It oxtends in length, from eant to wont it miles, and from noith to souch 16 miles. It contains S 3 parishes, coustituting $7 \%$ benofices. The foundation of the soe is ascribed to St. Barr, about tho beginning of the 7th century. It became united to Cloyne about 1464, and no continued till 15S6, when together with Cloyne it was annexed to the diocese of Ross. In 1078, these diocesen were ngain divided, Cork and Ross going together, aud Cloyue forming a separate dioceso. $13 y$ the Act 3 rd and 4 th Wm. IV. c. 37 , called the Church Temporalities Act, theso sees again became united, and the income of the bishop was fixed at $2498 l$ per annum.
(Ordnance Sureey Map; Smith, Mistory of the Counly of Cork, Lewis, Topographical Dictionary; Thom, Irish Almanac.)

COILNOUAILLES, a county in Basse-Bretagne, iu France, of which Quimper-Corentin was tho capital. It comprised the dioceses of Quimper and St.-Pol-de-Ieon, and is now divided among the departments of Cotes-du-Nord, Finistere, and Morbilan. In the timo of Julius Cæsar this district was inhabited by the Curiosoliti nud the Osismii. The name some derive from 'Comu Galliee' (extnemity of Gaul), others from the English 'Cornwall,' whence they say a number of the ancient Britons emigrated to this part of Bretague.

CORNUS. [AVEYRO\%.]
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The coast from Land's End to Plynouth Sound is marked by bolder promontories and deeper bays, aul hos more freynent intorvalis of low and shelving beach. From the Laud's liud to Mount's Bay the const fomma line convex to the occan, broken by a number of stanll headlands with intervening coves. Mount's liay takes its name from Sh. Michael's Monnt, a remarkable insulated rock opposite the town of Marazion, and connectel with the mainland by a causewny over the sands; Cuddan loiut forms the castom boumlary of the bay. l'rou Culdsu loiut the const runs sontheast w the Lizark, the most nonthern point of England: and thence turviug north-east forms the headlands of Innis Ilcad, Black Ilead, Chynals Ioint,

Dranna Point，Nare Point，Rosemullion Head，and Pendeunis Point， which last two form the extremities of Falmouth Bay．Between Nare Point and Rosemulliou Head is tho wide xestuary of the Helford liver．Between Pendennis Point aud Zone or St．Anue＇s Point（the next important headland）is the wide æ⿰㇇⿰亅⿱丿丶土灬tuary of the Fal，known by the nam̀ne of Carriek Road，of which Falmouth harbour and St．Mawes harbour are branches．From Zone Point the coast still runs north－ east to Greber IIead，forming Gerrans，Verryan，Mevagissey，St． Austell，and St．Blazey bays，with the intervening headlands Pennare Point，Dodman or Deadman Point（ 379 feet high），Chapel Point，and the Black Head．From Greber Head the coast runs east to the lame Ilead and Penlee Point（which is the entrance of Plymouth Sound）， forming Looe and Whitesand bays．The rocks and islets along this const are too unimportant to require notiee．
Launceston，which has commonly been considered as the county town，is on the eastern border of the county ；but Bodmin，which has a better title，is more central ：it is about 210 miles W．S．W．from London in a direct line，or 234 miles by the road through Salisbury and Exeter．
Surface， $11 y d r o g r a p h y$, Communications，dic．－From the central part of Cornwall，which is the highest，the land slopes towards the sea on each side．The wholc surface of the county is irregular．The great post－roads pass over the central high ground，from which，being for the most part waste moorland，travellers are led to form a more unfarourable opinion of the soil than，taken altogether，it deserves； for in many parts it is pleasingly diversified by hill and dale；some of the valleys are beautifully picturesque，presenting eorn and mea－ dow land，wood，and water．On the north coast the land is generally high with short narrow valleys；on the south const the valleys are wider．The central ridge approaches，on the border of Devonshire， the north－western coast；tho streams that flow from its south－east sido havo consequently a longer course，and are the nost considerable in the county．Tho height of some of tho hills is considerable，but thoy have not generally striking or picturesque forms，exeept where they extend down to the coast and form abrupt headlands，as at Tintagel，Cape Cornwall，and the Land＇s End．The elerations which rise abovo 800 feet are ：－Brown Willy，at the source of the river Fowey， 1368 feet；Rough Tor，near Camelford， 1296 feet；Sharp－ point Tor， 1200 feet；Trewartha Tor， 1050 feet；Mennaclew Down， 1124 feet；Temple Tor，near Temple， 900 feet；Tober Tor，near the Jamaica Inn， 1127 feet，and several others of nearly equal height belong to tho range of which Brown Willy is the highest point； Caradon Hill，north of Liskeard， 1208 feet；Kit IIill，on Hingston Down，near Callington， 1067 feet；Hensbarrow Down，north－west of $\mathrm{S}_{\mathrm{S}}$. Austell， 1034 feet；Cadon Barrow，near Tintagel， 1011 feet； Carnmarth，south－east of Redruth， 849 feet；Carnmenelez，Carn－ Monelis，or Carnbonellis，south of ledruth， 822 feet；and Carnminnis， south－west of St．I ves， 805 feet．
The principal rivers of Corawall are the Tamer，with its tributaries； the Fawey，or Fowoy；the Fal；the Alan；the Seaton；the Looe；the Hel，or Helford；and the Heyl．The Tancer rises by Moorwinstow， in the moors which form the north－east point of the county and ex－ tend into Devonshire，and flows sonth toouth－east into Ilymouth Sound， forming almost throughout its entiro course the boundary between Cornwall and Devonshire．It has some small tributaries called the Deer，tho Claw，the Werington，the Attery，the Lyd，and the Inny． Delow the junctiou of the Inny tho eourse of the Tamer，hitherto tolerably straight，becomes more sinuous，espoeially where it skirts the base of Ilingston Down．Tho bed of the river then widens and it becomes an æestuary，or tide－water．Near its mouth it receives the Tavy from Dartmoor forest，and the Lynher or St．German＇s River from the downs betwcen Launceston and Bodmin．The whole course of the Tamer is about 59 miles；it is tidal for about 19 miles．The Paxcy，or Powey，rises on tho east side of Brown Willy，to the right of the ligh road from Launceston to Bodmin．It flows south－south－ east for several miles，and then turning westward receives on the right the rivers St．Neot＇s and Warleggan，besides a number of brooks ：it then turns south，and passiug Lostrvithiel falls into the sea at the borough of Fowey．It is not navigable above the point to where the tide flows．Its whole length is about 30 miles ；the tide flows about 6 milos up－formerly it flowed higher．The Alan，or Cumel（that is，the Crooked River）rises near Davidstow，about 3 miles N．N．E．from Camelford，and fows south by west past Camelford，after－ wards to the sonth－west，then north－west to Padstow，a little below which it falls into the Dristol Channel between Pentire Point and Trevose Head，on the north－west coast．Its whole course is about 29 miles，of which about 8 miles are navigable．The mouth of the Camel furms a harbour for ships of 200 tons．The Fal rises in Tregoss Moor， near the ligh road from Lodmin to Truro，and flows south or south by west to Crmppound and Tregony，receiving in its course tho water of a number of bronks．From Tregony it flows sonth－west 5 or 6 niles into the Mopus liond，formed by the waters of St．Clemeut＇s Creek， which rines near St．Michael or St．Mitehell and flows south by west， and of the rivers St．Allon，Kenwin，and another，which meet at Truro just before they join St．Clement＇s Creek．From its junction with the Mopus Road the Fal flows southward into Carriek or Carreg liond，where it is joined by a river from tho neighbourhood of 1Redrutli．Falmouth Harbour in an inlet of Carrick Road on the west aido ；St．Mawcs Harbour is another iulet on tho enst lioad．Tho
whole course of the Fal is about 20 miles，of which uearly half is tide water．Carrick Road，with its inlets，is reekoned oue of the finest harbours in Great Britain．The Seaton and the Looe are two small rivers rising uot far from Liskeard and flowing south into the sen； the Seaton on the east and the Looe on the west of the town of Liskeard．The Seaton，which is the longer of the two，is rather more than 10 miles long．The Looe，which falls into the sea between the towns of East Looe and West Looe，is joined uear its outfall by the Black Looe．The tide flows for a short distance up both these streams． Another river of nearly similar name（the $I \sim o$ ）which runs by Helston， forms a lake or pool immediately below that town．The Hel，or Helford，is a small river，remarkable only for its large æstuary，whieh penetrates about 4 or 5 miles inland，nearly half the length of the river．The mouth of the Hel is between Nare Point and Rosemulliou Point，near Falmouth．The river Heyl，which falls into St．Ivcs＇Ray， is about as long as the Hel，and has also a large astuary．The restuary of the Hel forms a haven for vessels of 200 tons；that of the Heyl，owing to a bar at the mouth，is accessible only to sloops of not more thau 100 tons burden．

Cornwall has three narigable canals．The Bude and Holsworthy Canal，part of the course of whieh is in this county，runs eastward from Bude Haren to near the channel of the Tamer，from which point the Bude and Launceston Canal branches off to the south－south－east to Launceston．The ehief object of these canals is to facilitate the introduction of Welsh coal，and the carrying of shelly sand froin the coast to the interior to be used as manure．The Liskeard and Looe Canal runs south from Liskeard to the æstuary of the river Looe， and is designed to facilitate the transport of timber，coal，manure， and the mineral products of the district．
The mail road from London to Falmouth passes over a considerable part of the county，entering it by Poulstou bridge，over the Tamer， not far from Launceston，and running south－west by Launceston， Bodmin，and Truro．Here，and farther south，several brauch roads strike off and afterwards re－unite with the main road，which proceeds to the Land＇s End．Another road from London by Exeter and Tavistock crosses the Tamer at New bridge，and runs south－west by Callington，Liskcard，and Lostwithiel，St．Austell，and Grampound，to Truro．The mail－coach roads are very good．

Geology，Mineralogy，\＆c．－The rocks which predominate in Cornwall are among the lowest in the arrangement of the strata of our island， and belong to the primitive and transition elasses．The high land which occupies the centre of this peninsular couuty，aud extends from between Launceston and Bodmin on the north－east to the Laud＇s End on the south－west，is composed of granite，which iu several extensive districts rises to tho surface．Oecesioual veins or＂shoots from this granite formation penetrate northward and southward into the superincumbent strata；but they do not generally exteud far from the principal masses of granite；they are frequently insulated． The granite of Coruwall contains numerous metallic veins，both of copper and tin．It is liable to decomposition，to which eause is aseribed the existeuce of a tract of loose white kaolin or porcelain earth，some miles in extent，near St．Stephen＇s，between Bodmin and Grampound，and on the south side of the granite rango ：this kaolin is sent to Worcestershire for use in the porcelain manufacture．The decomposition of granite has probably formed those singular pheuo－ mena which were once generally regarded as Druidical relics，the Logan Stone，Cheese－wring，\＆c．St．Miehael＇s Mount，in Mount＇s Bay， is chieffy composed of granite split into irregular masses．Granite is termed by the Cornish miners＇grouan．

The rock commonly reposing on the granite is the＇killas＇of the miner，the grauwacke of the geologists．（De la Beehe．）Grauwacke， indeed，forms the principal roek of Cornwall．On the south or south－ east side of the granite formation，the strata dip south－east at an angle of about 70 degrees：on the opposite side of the granite forma－ tion the dip is nearly north－east．The killas is traversed by veins or dykes of granitic and felspar porphyry，termed by the miners＇Elvan．＇ These dykes（or channels in the language of the miners）are rarely found in the granite；their general direction on the surface is， according to Mr．Greenough＇s Geological Map，and the Geological Map of the Ordnanee Survey，north－east and south－west ；they vary from a few fathoms to 50 and even 80 fathoms in thickness；and in some cases are continuous through a long tract of country．The metallie veins，both of tin and copper，commonly pass through them，but are for the most part narrower wheu in the Elvan than when in the superincumbent and subjacent rocks．Roofing－slate is quarried in the killas formation near Tintagel Head．The metallic veins which contain copper or tin，or both，run usually east and west，and penetrate both the grauito and elay－slate；those which contain lead，silver，cobalt，or antimony，run north and south，with little exception，and are believed to bo always iu the clay－slate．

Tho Lizard liead is composed of mica－slate，which however occupies a very limited area；the neighbouring country is composed of hornblendo and diallage roeks，but ehielly of serpentiue．Noar the Lizard aro veins of soap－stone，whieh，when first raised，is so soft that it may be kneaded like dough，but beeomes friable after being exposcd to the air ；it is used in the mauufacturo of poreelain．The serpeutino incloses and passes into asbestos，and small quantities of native coppor have beon found in it．

Thin beds of limentone arv found in Cornwall, alernuting with Killas, or grauwacko it in of alno colour, and contains veins of enlcareous spar. Trappeau rocks aro aseociated in mall quantities with the grauwacke, and also with the carbonaccous rocks, which form the norti-enstern extremity of the countr. Coppor and tin aro the most important minerals of Cornwall. The extent of the metalliferous veins as well an tho deptly to which they extend are unknown: no miner has yet seen the end or battom of a vein. Thelr width varies mueh, from the thickneas of a sheel of paper to 50 feet; but they aro umually from 1 to $\$$ feet in thleknen. The ores of copper or tin do not often occur together in the ramo roin at nay great depth. If tin be discovered firg, it sometimes disappears, after sinking 100 feet more, and is succeeted by copper; in others, thin is found to the depth of 1000 fect beneath the surface, nlmost without a trace of copper; if copper be firat diweovered, it is very rarely if ever succeeded by tin. It is seldom that either ore is found nearer to the surface than 80 or 100 foct. If a copper rein mects one of tin, it usumbly passes through it, and heares it ont of its course. The reins not metalliferous usually pass through the tin and copper velns, or lodes, as they are termed : these non-metalliferous veins have their conrec usually north and month.
The copper and tin mines, excepting some mines chielly of tin near Callington, are south-west of the rivera Alan and Fowey. Tho chicf mining district extends from St. Agnes on the north const by Rodruth to the neighbourhood of Ilelston and Marszion; and some unines are worked west of Marazion. St. Austell is in the centre of another but less extensive mining district near the south coast.
The lend mines of Cornwall are uot numerous, though the ore has been discovered in many parta of the county. Silver ores have beeu ohtained from eoveral minen in Coruwall, chiefy in lodes or cross courses in the grauwacke. In Herland mine, near Gwinucar, silver had in 1839 been mised to the value of 80001 .; at Dalcoath mine to about 2000 .; while at Wheale Dueliy, near Callington, which is new हranite, snd at the 10 fathom level, a course of nilver ores nccompanied ly native silver ocenred for 3 fathoms in length, yiclding about 200f. per fathom. (Do la Beche.) Gold has been found in the tin ntreams. Iron oro is also oltained, nud shipped to Wales. Zine, antimony, cobalt, and armenic are procurel, as well as somo other of the memi-metals. Freeatone of different qualities is quarried.

The quantity of copper ore sold at tho public ticketings during 17 jears, $1533 \cdot 49$, amonnted to $2,499,782$ tons of 21 cwt , computed to yield in all 195,193 tons of fine copper; the total value in money being reckoned at $11,450,600$ l. These figures give a yearly avcrage of 14\%,046 tons ore, $11,51 \%$ tons fine copper, and $850,385 \mathrm{~L}$ in money valuc. The average per centage of copper obtained during the whole period was it ; the highest avemge was $8 \frac{3}{1}$ in 1849 ; the lowest whe 716 in 1842. The ore is purehased by eight firms in Sonth Wales; one house, that of Willinans and Co., purchased in 1849 ore to the amount of 35,126 tons, and the value of 204,7481 . The total amonut of lead oro raised in Cornwall during the year 1843 was 10,494 tons; from which the quantity of lead emelted was 6614 tons.

In smmming up his notice of the mineml produce of the district, Sir II. T. De la Boche obnerves, "If we estimate the value of the metals annually raised in Great Britain nnd Ireland at nbont $10,59 \%, 000 \%$, and conider that of this sum the iron amounts to $8,000,0001$., the value of the remaining metals would be $2,597,000 \mathrm{l}$., of which Comwall and Devon wonld furnish about $1,340,0001$., or more than one half, leaving $1,257,000 l$. for the value of all the metaln, with the exception of iron, raised ln other parts of the united kingdom. The two great metallio prorincts of this district aro copper aud tin; of the former it yielde one-thirl, and of the latter nine-tenths of the whole muply of copper and tin fumbinhed by tho British Islands and all the conntries of the continent of Furope."
(De in Beche, 'Ileport on the Geology of Cornwail, Deron,' \&c.; - Trannactions of Ceological Socicty;' 'I'ranatactionn of Gcological Society of Corawall;' IRome, 'Treatime oll Primary Gcology ;' Orlnauce Survey; Greenongh, and Soclety for Diffusion of Useful Knowledgo Geological Mapm)

Climate, SSil.-Cornwall being situated between two sens, is moro subject to rariations of weather than ninat other countics ; the mountaine attracting the clouds, chargerd with mointure, which the prevalent went wibln bring from the Atlantio From thln cause, the inarvest Ia not io general wo early on in the more Inland countios, which are in a more northern latitude by two or threo degrees. The soll of the mountainoun districta is extromely haren and nuproductive; hut in a few of the vale a tolenbly rieh soll is fouud, well adapted to the growth of corn, roots, anl artifcial grasee. The nubstmtum of the whole county being rocky, and alate belig the predominating rock, the surface comint chlefly of an argillaceous earth produced by the decompnation of alate, mixel with various portious of vegetahle
matter acenmulated in tho courso of ages The mil in loose and matter ecenmulated in the course of ages. The moil ln loose and prons. The mont fertio landa aro found from Eudelilon to Sh Coloming, on the north cciant, in the penlumula which termlnates in the lizand l'olut, tho neighbourlicorl of Iburyan abrl St. German'm, tho lands near the Fowoy, unl a great part of the hundred of Stration.

The moil and climate of Comwall are peculiarly farourable to the growth of potatoes, of which two ahnndant crops are sometimen pro-
duced in one seanon, an early crop taken up in June, and accond ln

October. The principal cattlo in Comwall are of the Devombire hreed. The old Corninh breod, which was a small black mountain treed, is nearly extinct, as are likewine the mall Cornish sheef: they havo been supersedell by hetter broels

The county is rather baro of treea Many proprictors however have plantol on a large scalo; aud some forest-trees rear their luado on many eminences, to the great improvement of the face of the conntrs.

In the miniug districts the land is uaturally barren; but many spots are cultivated hy the mincrs, to whom small patches of harren soil have been let at a low rent, on condition of their building habltation for thesuselves nad familion.

Divisions, Touns, dec.-Cornwall was formerly divided Into seven hnndreds-Conarton, Fawiton, Pawton, Rialton, Stratton, Tibesta or Tibesterna, and Winneton or WInnenton. There are now nine hunKlreds: Stratton hundred and East bundred, on the cast along the bank of the Tamer; Lesnewth and West hundreda, to tho west of these; Trigg lundred, to the west of Leenewth; Pyder and Powder hundreds, west of Trigg and West hnndreds; and Penwith and Kerrier at the westeru end of the county.

The number of parishes in the connty is about 205. The number of market towns is 36 , namely :-Sit. Agnee, St. Austeli, St. 13lazey, Bodmis, Boscastle, Bossiney, Calingtou, Camborne, Camkiforn, St. Colemn Mason, St. Daye, Falsootr, Fowey, St. Garanans, Grampound, Helston, St. Ivea, Launceston, Liskeard, liant Looe, West Looc, Lostwinimill, Marazios, St. Mawce, Movagiaser, 1'adstow, Penrys, Prenzancr, Polperro, Redrutn, Saltash, Stratton, Tregony, Tnuro, Tywardreath, Wadebridge. The places printed in small capitals are noticed in distinct articles; tho remainder, with the small sea-port town of Inale, and a few of the more important villages, we notice here; tho pepulation is that of 1851.
St. Agnes, on the north-west coast, 26 miles W.S.W. from lhorlmin, population of the parish 0674, being a decreaso since 1841 of 1081, occasioned by the less prosperons state of the mines and by emigmtion. St. Agnes is a small town, in a district which contnins numerous minea Tho markct is hcid on Thursday. Thero is a harbour at Trevenaunce, in this parish; the pilchard fishery has been estahlished here since the beginning of the present century. There aro Disscuting places of worship, and a Free school. Opie, the painter, was bom at St. Agues. St. Agnes Beacon is on a pyramidal hill near the town, 621 feet aboro the level of tho sea; it is formed out of an ancient cairn or tumulus, and was used as a beacon during tho alarm of invasion in the beginning of the present century.

St. Blazey, auciently called Landreth, 9 miles S. from Borlmin: population of the parish 3570. The town has increased of late in consequence of tho prosperous state of the mines in the vicinity. St. Blazey was iu 1845 made a perpetual curncy. The chureh has been rebuift. There aro in the town places of worship for Dissenters, and a National school. The puhlio buildings aro a markct-house and a post-office. Near St. Blazey is the Treffrey vinduct, a remarkable granite structure, erected at the cost of the late Mr. Treffrey, currying across the valley of Carmiers a railway and a strean for mining purposes The stream flows in a passage under the roadway.
Iloscastle (which name is a corruption of Bottreus Castle) is situated on a stcep hill on the nortb-west coast, not far from Tintagel Head, 19 miles N. by W. from Bodsnin : population of the parishes In which the town is situated, Formbury 379 , and Minster 479. Boscastlo is a poor littlo place, but in a very romartio situation. It has a weekly market. There is a pier, to which vessels come with coals. Tho harbour is very much exposed to boisterous neas. Near the market-place are the remains of an ancient churel or chapel. During summer the Boscastle fishermen capture munerous seals.
Callington, population of the parish 2146 , is 22 miles is. from Bodmlin. Tho situation of the town is low and unpleasant, nt the foot of Hingston Down; the huildings, wlth the exception of the church, aro inean and unimportant; the housce aro chiefly armanged in one hrond street. The chureh was erected or relunilt nbout the middle of the 1fth contury, hy Nicholns de Asheton or Asalicton, one of the justices of the King's Bench, who was huried here. In the churehynrd is an ancient sculptured cross. Thero aro places of worship for Dinsenters. A market is held on Wedncadays for corn and pruvisiona Several extensive mulnes are worked in the neighbourhood. Callington was the last town in Cormwall admitted to the right of sending nembers to l'arliament, not having acquired that privilege till 1555. It was disfranchised by tho leform Act of 1832. Kit Hill ( 1007 fect blgh), which rises imniediately abovo Calliugton, affords from its summit one of the finest vlews in the west of Fingland.
Camborne, population of the town 654t, is 23 miles S.W. from Podmin, in the midst of the mining dlstricts. The town is neatly built. The chureh is a fine eppeclmeu of the granito churches of this connty, built in tho perpendicular English stgle; it has a tower, and contaius a carred pulpit of wood, and an altar-picee of Sienua marble. Therc are places of worahip for different ciases of Methodists. The market, entablished in 1802, in conviderahle; it is hold on Snturday ; the market-house was built by Lord Do Dunstanville.
Si. Dayc, popuiation of the prarish of Gwemmap, In which the town is siturted, 10.465 , is 26 milen N.W. from Bodmin, and about 2 miles
E. N.E. from Redruth. It a ppears to have falleu much in to decay: of late jears it has recovered, owing to the extension of mining operations. There was formerly a chapel, which is said to have been much resorted to hy pilgrims in former daye, and from the resort of thesc pilgrims arose a market, which was afterwards given up. The market now held on Saturdays for butchers' meat and other provisions, was cstablished some years since for the benefit of the miners. A new chapel was consecrated at St. Daye in 1828. There is near St. Daye a curious amphitheatre of rude construction, called Gwennap Pit, supposed to have been of British origin; it was selected by Wesley as a place for public preaching, and iz still used by his followers at some of their anniversaries.
Fowey, population of the parish 1606, is on the right hank of the river Fowey, near its mouth, about 11 miles S. by E. from Bodinin. The scenery around this town is very picturesque. The rocks about Polruan, on the opposite side of the river, rise to a considerable height, and are broken into rude cliffs and bold promoutories. At the mouth of the haven are the ruing of two square stone forts or blockhouses, one on each side, built in the reign of Edward IV. to protect the entrance. The harbour is commodious; it is now defeuded by two modern batteries, and by a fort called St. Catherine, which was bnilt in the reign of Henry VIII. The towa is built in a very straggling manner, the houses extend a considerable way along the haven, and the streets are so narrow and full of augles as to be almost impassable for carriages. Most of the huildings are of stone. The church is a spacious and lofty fahric of the perpendicular style. $\Lambda$ chapel called St. Catherine's Chapel, which gave name to St. Catherine's Hill, existec̉ here in Leland's time. There is a spacious markethouse with a town-hall over it. A puhlic walk overlooks the town and harbonr. The chief business of Fowey consists in catching and curing pilchards, in which many vessels are employed. Fowey is a corporate town ; the corporation consists of a mayor, recorder, eight aldcrmen, and a town-clerk. This town sent members to Parliament from the time of Qneen 1:lizabeth; it was disfranchised by the Reform Act of 1832. There is a market ou Saturday. There are two Free schools, and an almshouse for eight poor widows. The harbour is safe, and has excellent anchorage. The townsmen of Fowey acquired walth ly feats of war and piracy in tho wars of Edward I. and III., and Heury V., and thcir wealth cnabled them to increase tho commerce of the town to a great extent. Fowey furnished 47 ships to the fleet of Edward III. before Calais, being more than any other port in Figland, and $7 T 0 \mathrm{mcu}$, a number second only to the number furnislied by the port of Ynrmouth. Tho French burnt the town in 1457. When peace was mado hetween England and France in the time of 1:dward IV., the Fowoy men still kept up hostilities, for which the king ordered their fleet to ho confiscated. Fowey also distinguished itself against the Armada in 1588, and the fact is recorded hy a painting in the church. Place House, the seat of the Treffrey family, is at Fowey.
Girampound, population of the township 588, is 17 miles N.W. hy N. from Bodmin. The river Fal flows through the town, the greater part of which is to the east of that river, and consists of one mnin street on the dcclivity of a hill. A small chapel of ense and a granite cross are in the town. The market, which is small, is held on Satnrday. Grampound is a corporation by prescription. It sent memhers to Parliament from the rcign of Edward VI. nntil 1821, when it was disfranchised for bribcry.
IIayle, population retarned with the parishes of Phillack and St. Frth, in which it is situated, is a small town and port on the shore of the inner hasin of St. Ives' Bay, about 5 miles S.E. from St. Ives. The principal object of interest is the iron-foundry, in which are cast cylinders of the largest size, not only for the mines in Cornwall bnt also for exportation. A large work of this kind was sent several years ago from Hayle to Holland, for the drainage of the Haarlem lake. There was formerly at Hayle \& 'coppcr-house,' in which extensive smelting operations were carricd on, but it is now found to be a chaper method to carry the oro to Swansea to be amclted in the vicinity of coal-mines. Vessels of 200 tons burden can now enter the port of Hayle, in consequence of the erection of a break water, hy which the sand has heen prevented from filling up the harbour. Three steamers sail weekly between Hayle and Bristol,
East Looe, popnlation of the chapelry 970 , is on the left bank of the river Looe, which here falls into the sea, ahout 18 miles S.E. from Bodmin. It is built on a flat piece of ground hetween the river Looe and the sea, and is described as a labyrinth of short narrow dirty alloya, above which rises the low emhattled tower of a little chapel of ease. On the land side rises a high stecp hill. On the height ahove the town are numerons gardens, in which throughout the year the myrtle and tho geranium flourish in the open air. East Love is united with West Looe on the opposite side of the river hy a bridge 141 yards long, but only 6 fect 2 inches wide. The inhabitants are chicfly enyaged in tho pilchard fishery. The harbour admits vessels of 100 tons, and is protected hy a battcry. There is a market on Satarday. The town was incorporated by Qucen Elizabeth, and returneif members to Parliament from the time of Elizabcth to the pasing of the Ifcforu Act of 1832, by which it was disfranchised. There is an Endowed Free school for teaching mathematics, especinlly those lranchem connected with navigatiou. East Looo united with

Fowey in sendiug a member to a council of trade held at Westminster in the reign of Edward I., and furnished 20 vessels and 315 men to the fleet of Edward III.

West Looc, population 746, is separated from East Looe by the River Looe. A chapel at West Looe dedicated to St, Nicholas has been converted into a guildhall. The market has been long discontinued. This place was incorporated by Queeu Elizabeth; the corporntion consists of 12 burgesses, including the mayor. It sent members to Parliament from the time of Edward VI., but was disfranchised hy the Reform Act of $\mathbf{1 8 3 2}$. Opposite the Looes is St . George's, or Looe Island, about 14 acres in extent; beyond it are some rocks, known as Rennie's Rocks; a rock between the island and the mainland is called Midmain.
St. Mawes, population of the parish of St. Jnst 1557, is situated on an arm of the Carrick Road, about 30 miles S.S.W. from Bodmin. It is a wretched little place, consisting of one street at the base of a hill near the sea, and containing a few houses inhabited by fishermen and pilots. There is here a chapel built by the marquis (now duke) of Buckingham, in 1812. A castle built by Henry VIII., nearly at the same time as Pendennis Castlc, on the other side of the roadstead, hut much inferior to it in size, is now used as a residence for the licutenant-governor. The inarket on Friday is very small. St. Mawes returued two members to parliament from 1562 up to the passing of the Reform Act of 1332, by which it was disfranchised.
Mevagisey, population of the parish 2022 (a decrcase of 288 since 1841 is ascribed to the ravages of cholera in 1849 and to a decline in trade), on the coast of the channel, on Mevagiseey Bay, 17 miles S.S.W. from Bodmin. The inhabitants are chiefly dependent on the pilchard fishery. Ships of 100 tous may ride securely in the pool or basiu of Mevagissey. The market, which is held by prescription, is on Saturday. So alarmed were the fishermen by tho ravages of cholera in 1849, that they took their families in their boats to Fowey Haven. Ou this occasion the houses and streets of Mevagissey received the advantage of a thorough cleansing.

Padstow, population of the parish 2224, at tho mouth of the river Alan, or Camel, which here forms a wide restuary, is 15 miles N.E. from Bodmin. The town is iu a vale, adorned with gardens on cach side, and the beauty of the situatiou is iucreased by the æstuary, Which, when the tide is up, presents a clear expanse of water apparently land-locked by the granite cliffs which form the banks. The harbour is the best on the northern coast of Cornwall, and, though the entranco is much ohstructed by sand, is capable of receiving vessels of great hurden. The streets are in general narrow, and many of the huildings antiquated; but the town has heen much improved within tho last half century by the erection of many nsw houses; the general roofing is a fine blue slate. There are an exccllent pier, a custom-house, several quays and shipwrights' yards, and a workhouse, with a school-room over it. A steam-vessel plies between Padstow and Bristol. The church, which is in the pcrpendicular style, has been lately repaired and fitted with stained glass windows. It contains a curious old font. In the time of Leland the town carried ou a considerable trade with Ireland and Wales; the chief imports now are coals and iron from Wales, timber from Norway, and various goods froma Bristol; corn, malt, and block-tin are exported. The market is on Saturday. There are here a small Endowed school, and day schools, established by voluntary subscription. The place appears to have had anciently the name of Adelstowe or Aldestowc, and iu tho Cornish language Lodenek.

Polperro, population of the town about 800 , is on the coast between Plymouth and Fowey, about I6 miles S.E. from Bodmin. The situation of this little town is singularly romantic, the houses heing on the side of two steep rocky hills, forming a very narrow valley, through which tiere runs a small river. The harbour will accommodate vessels of 150 tons; it is protected by a double pier. An exteusive hook and line fishery is carried on; thers is also a pilchard fishery; and some trade is carried on in coals, limestone, and grain. The market is hold weekly on Friday. There are in the town Endowed Charity schools for boys and girls.

Saltash, population of the chapelry 1621, on tho right bank of the Tamer, a little ahove its junction with the Lynher, 29 miles E.S.E. from Bodmin, is built on the ascent of a stcep hill, the summit of which is crowned by a chapcl of ease and the town or mayoralty hall. Beneath the town-hall is an open market-place. The principal strect is at right angles to the river: a large proportion of the houses are of stone quarried in the rock on which the town stands, intermingled with others huilt of hrick. Some of the houses are fronted with plaster, othors with slate. Saltash is now chiefly inhahited by fishermen. Some trade is carried on in malt. The market is on Saturday. Besides the chapel of ease, there are Dissenting mecting-houses, and a Free school. Saltash was mado a free borongh in the reign of John or IIenry III. The borough sent two memhers to parliament from the time of Edward VI. ; it was disfranchised by the Reform Act of 1832.
Tregony, population of the parish of Tregony St. Jamee, in which the horough is situated, 846. The boundaries of the town extcnd into the adjoining parishes. Tregony is mituated on the left bank of the river Fal, 18 miles N.N.W. from Bodmin; it was formerly of some consequence, but it gradually decayed as Truro iucreased in importance. The houses are chicfly arranged in ono long strect on the sido
of a hill aloping down to the Fal, oser which there is a bridge. The parioh church of Cuby is in the upper part of the fown. The market is on Nituriay. Firom the timo of Queell V:lizabeth two mombers were returned to parliament from Trugony until the borough was diefnunohinod by tho lieform Aet of 1832 . Tregony is considenel to have been a Roman station, Cenium or Volubs.

Tynandreath, popnlation of the jarislı 3257 , situated ahout 5 miles S. hy W. from Lostwithiel, lises incrensed considembly within the last 30 years in consequence of the uccess of mining operations. A Benedietine priory formerly existed herc. Bowides the pariah ehureh, thene are a National echool, a post-officc, and a market-house.

Wealebrige, population about 850 , is situated at the head of the astuary and on buets aiden of the river Camel or Alan, about 6 miles N.W. from Borlmin, and 299 mile W.S.W. from London. The river Alnn is bercerosed hy bridge of 17 arehes, which was erected in the time of Edwand IV., chiefly through the exertions of the then vicar of Figloblanyle, who also leftan annnity to keep it in repair. In the towa are a Iroprictary Episcopal chapel, chapels fer Wesleyan and Asnociation Methodists and Independerts, National schools, a library, and a mariugs bank. The market is held on Friday; falrs are leld on Mey 12th, Juno 22nd, and October 10th. A railway from Wislebridge to Ibodmin affords facilitics for conveying the produce of tho copper and iron mines for shipment at Wadehridge, and for carrying to the interior the imports receired at the port, as well as sea-end to be used ns manure. Some corn is exported; the river is navigabic for vessels of 150 tons hurden.

The following are amoug the more important villages, with tho population in 1851, and a few other particulars:-
Bude, written also Budcharen, and Budeham, population of the parish of Stratton, in which it is situnted, 1696 , is a small bathing village on the north-west coast, 14 miles N.W. hy N. from Launceston. It is much frequented in summer. The fermation of the canal from Bude to Launceston, commenced in 1819, has been productive of much advantage to the district. The canal has its outlet here iuto a shallew bay, in which a great accumnlation of sand constantly takes place. At low water the farmers remove the sand in immense quantitien to be used for manure. As much as 4000 horso loads has been carried off in one day. The carringe of sand to the inland parts of the county forma a considerable part of the traffic on the canal. From the henviest sens the bay is sheltered hy an embankmeut. In Bude village is the residence of Mr. Gurney, the inveutor of the Bude light. Killhampton, formerly written Kilhamland, population of the prarish 1221 , ds near the border of the county, 16 miles N. hy W. from Launceston. The catensive reservoir of the Bude Canal is partly in this parish. The pariah church, an ancient structure, is said to be one of the finest in Cornwall. The south doorway is remarkahle for its ourious mouldings and numorous grotesque hends. In the church in a haudsonne monuraent to Sir Bevillo Grenville. The Rev. James Ilervey, whem curnte of this parish, wrote here his "Meditations among the Tombs' Landercednacl, population of the parish 430, 50 milen S. WV. hy S. from Bodmin. In this parish, which is the most moutherly in England, the Lizard Point is situated. The church has a Norman doorway and inscribed front in good proservation. An ancient cross constructed of granite stands between the church and Lland Point. On the coast are some magnificent carcras and bold and picturesque elifs. Millmook, fropulation of the parish of Maker, in which it is nituated, 2322, forms with Dodhrook in Devon ono town. There is here a new district chapel. A portreeve is clected annually. From the mminit of Maker tower an extensive and beautiful prospect in olitained. Morvinstore, population of the parish 1094, is situated on the cosat, in the most northerly parish of the county. The church, which is a good-nized huilding, stands near the shoro; ite slte commande an cytensive sea-view. The cliffs liere rise to the lisight of 420 feet; the const is dangerous for veaneln St. Neot, populatlon of the parinh 1628 , is 4 milos N.W. from Liskcard. The parish church contains some very fine specimens of stained glase, is reatoring whleh the late Rev. 16. G. Grylls of Helston laid out upwards of 2000t. The church was built in $14 \$ 0$ : it is 116 feat long hy 55 feet hrowl. It ham tower, whlch in 71 feet high. At the period of the Domenday Survey there whs a college here call od Neotutow. Dozmare l'vol, an inlant Jake of about $n$ inile in circumference, 890 feet above the mes, in situatel on the moors at the northern cxtremity of tho parish of SL Sieot This pool la regarded with superstitious fear by the oountry poople, who have many legende renpecting it. By a trench cul through a marnh at the wenterm end of the pool, ita waters now find their way to the river Fowey. Near the lake is a remasut of antiquity callad the Four 11 olo Crose, on the line of roml from loolinin to Launconton. It is docayed and imperfect, two holes ouly now remaining. Thin is suppowed to be one of the oldent croses in Cornwall. P'erransabuloe, or l'erran in tise Sands, population of the porbh $\$ 114$, about 20 milen S . W. from Iformin, is chicfly remarkable for the moce ive eagulphment in the sands of two of its churches. In 1885 the remains of the original parinh church, supposed to lave been embedded in the mand wince the gth century, were discovered, and a mpace around the bulliling eleared. It is small, and of rude cunstruction: it ha been named St. l'erran's Oratory. About a mile and a half from the present parish church is an amphlthoatre, called l'erran's Ibound, whiels bas seven rangen of seate, and is apparently
capahle of accommoulating about 2000 persons. Here it is supponed important moetiugs werc held, or games and plays performed for tho atnumanent of the Cornioh inhabitants in sucient times. During summer the village of l'erran Porth is frequented ly mumerous visiters. Sroleclimelond, population of the parish 2596 , is 6 milus S. by li. froun Launceston. The parisls church is a fino old gothio huilding, and has a tower with 8 bells. Cider is made liere. The mines are in a flourinhing conditiou. In this parislı is Kit or Kito Hill, the summit of Hingston Down, 10G7 foot above the sea, one of the stations of the Trigonometrical Surrey. On Kit llill the Parlia ment of Tiuners, hoth of Devon and Cornwall, used to assemhle in ancient times once in seven years. Torpeint, population of the prrish of Antony 3201, a villago of moderis origin, at the southeoustern angle of the county. By a steam-bridgo, plying every quarter of su hour during the day, communication is kept up with Devonjort on the oppoaite side of the Tamer, distant about a mile. A chapel of ease wrs opened here in 1820.

Divisions for Ecclesiastical and Leyal Purposes.-Cornwali was anciently a diocese hy itself; tho see nppeara to have heen originally fixed at St. German's and thence remóved to Bodnin, where it coutinued until it was united with the of Crediton. Out of this union rose the see of Exeter, in the diocese of which Cornwall is now included. The limits of the county nearly coincide with those of the archdeaconry of Corawall. The 'Census of Religious Worahip' in 1851 gives the following return in reference to the county of Coru-wall:-Places of worship-Wesleyan Methodist, 412; Charch of Fngland, 265; Bible Christian, 182; Wesleyan Association, 03 ; Primitive Methodist, 38; Independent 37; Baptist, 25; Seciety of Friends, 12; Moman Catholics, 7 ; Wesleyan Reformers, 6; others, 27 ; total nnumber, 1104. The total number of sittiugs provided was 262,911. By the Poor. Law Commissionera the county is divided into 13 Unions: St. Austell, Bodmin, Camelford, St. Columh Mnjor, Falmouth, St. Germans, Helston, Launcestou, Liskeard, Ienzance, Redruth, Stratton, and Truro. These Uuions include 223 parishen and townships with an area of $\$ 36,092$ acres, and a population in 1851 of 353,965 ; but the boundaries of the Unions are not strietly co-extensive with those of the county. Cormwall is in the western circuit. The assizen and quarter sessions are held at Bodmin. The county jail is at Bodnin, and another older county jail at Launceston, which is used at the assizes.

This county is however under a peculiar juriadiction, which requires notice here-that of the Duke of Cormwall. The duchy of Comwall was crented in $1337^{\circ}$ in favour of Pilward the Black Prince, and settled hy Aet of Jarliament ou the eldest son of the king of Englaud. The duko enjoyed large revennes, arising from the lorl. ship of castles, boroughs, and manors, granted to him in Corawall aud Devonshire; the profits arising from the coinage of tiu, and various other sources. The annual revenue on the average of the three years subsequent to tho deatl of the Black Prince was 2493l. Ts. 31d.; the cleas revenue in the 15 th year of 1lenry Vill. amounted to $10,095 l$. 11e. $9\{d$.; in the 4th year of Queen Lilizabeth, in 1602 , it had fallen to 4569 l .12 s .2 2 d ; and at the publicatlon of Messrs. Lysens' 'Magna Britannin' (1814), the gross amount was estimated at $22,000 \mathrm{l}$, of which 8500 l arosc from the tin-duty in the county of Cornwall, and 3500 l from the rents of manors, fines, \&c. in the same county: the sources from which the remainder was derived are uot mentioned. The tin-duty hefore the war of 1743 had heen 14,000 . per annum. By an Aet passed in the 1st and 2ud of Vic. cap. 120, in lieu of tho old coinage dutien, a customs duty of 158 . the ewt. for tin, and 10 l for every 100 l . value of tin-oro is imposed.
The immediate goverument of the county whe early vested in the Duke of Cornwall, who has still his chancellor, attornoy-geueral, aud molicitongencral, and his court of exchequer. He also appoints the slerifia The mining-trade is uuder the aeparate juriadiction of the Stannary Courts ; tho Lord Warilen of the Stannaries, and the ViceWarden, are at the lical of thin juriadiction, with a final appeal to the duke and bis council. The four Stannary Courts aro Foy More, Blackmore, Tywarmhaile, and l'enwith and Kerrier.

An Act was parsed in the Cth and Tth Wm. IV. cap. 106, entitled 'An Act for the better and more expeditions Administratien of Justice in the Stannaries of Coruwall, and for enlarging the Jurimliction and improsiug the Practice and Proceedings in the Courts of the Stannarics. $13 y$ nection 4 of this Act, the equitable jurisdictiou of the Vice-Wrrdon is extended to all matters connected with the working of lemal, copper, or other metal or metallic minerals within the county of Cornwall. 13y nection 6, the Stannary Courts are consolidated, and are to he lield bofore the Vice-lVarden, who in to have tho mame authority that the stewards had. Other sections appoint the VicoWarden's Court to bo a Court of lecorl, and to be held at Truro. By the 2nd and 3rd Victoria, cap. 58, a Stanmary Court's duty of one farthing in the pound sterling was imposed on tin and tin-orc.
Prerious to the Reform Aet Cornwall liad tho largest share in the parlinmentary representation of all the Eioglish counties: up to 1821 it lad scat forty-four membern, namely; two for the county, and two each for 21 horoughs, none of them of any great importance, and some of them utterly insignificant. The county was represented in Parliameut at the time of the firat nummons of Edward 1., and in the latter part of that monarch's reign it returned two knights of the
shire, and representatives for six boroughs: to these were added seven others in the reign of Edward VI.; two in the reigu of Mary; and six in that of Elizabeth. By the Reform Act the couuty was formed into two divisions, each returning two members : and various ehanges were made in the representation of the boroughs, making the number of members sent by the county only fourteen.
Natural Curiosities.-The granite rocks of Cornwall present in different places an appearance so singular, that they havo been mistaken for the efforts of human art in its earliest and rudest stage. The Checsewring occupies the highest ridge of a hill north of Liskeard, one of the hills which gradually decline from Brown Willy and Rough Tor, the highest parts of the eounty. The summits of all these hills are covered with granite cairns in different states of ruin, and their sides are strewed with boul lers which have fallen from thent. The Cheesewring is a pile apparently consisting of five stones piled one on the other, of which the upper ones are so much the largest as to overhang on all sides the lower ones, which form their base. The collective height of the whole pile is abont 20 feet. The formation of this group is ascribed by Dr. M'Culloch solely to natural causes. It is, in fact, the vestige of a much larger mase, the lateral parts of which have falleu away, not being so well poised as the singular part which yet remains. The granite of Cornwall is in general split by fissures, which tend for the most part to the horizontal or perpendicular ; and by these fissures it is divided into cubical or prismatic masses. Where the rock rises above the surface, the influence of the atmosphere causes a gradual decay, by which first the angles formed by the fissures with the external face of the rock become rounded, then the surfaces in contact become separated, the masses originally angular acquire a curvilinear outline; and if the eentre of gravity of the whole mass be high and far removed from the perpendicular of the fulcrum, the upper parts of the mass fall down, aud, by the continnance of the disintegration, acquire the spheroidal form which the granito boulders often exhibit. If however tho ceutre of gravity be in the perpendicular of the fulcrum, the manss retains its position, as in the case of the Cheesewring, or produces the phenomenon that will be next described.
The Logging (or, as it is commonly written, Logan) Stones are stones which are poised on a fulcrum, and which rock, when moved by an adequate force. The most remarkable of these Logging Stones is near the Land's End, on a peninsula of granito jutting out 200 yards into the sea, the isthmus still exhibiting some remains of the ancient fortification of Castle Treryn. The granite which forms this peninsuln is split by perpendicular and horizontal fissures into a heap of cubical or prismatie masses. The whole mass varies in height from 50 to 80 or 100 feet; it presents on almost every side a perpendicular face to the sea, and is divided into four summits, on wue of which, ncar the eentre of the promontory, the stone in question lies. Tho general figure of the stone is irregular; its lower surface is not quite flat, but swells out into a slight protuberance, on which the rock is poised. It rests on a surfaco so inclined, that it seems as if a small alteration in its position would cause it to slide along the plain into the sea : for it is within two or three feet of the edge of the precipice. The stone is 17 feet in length, and above 32 feet in circumference near the middle, and is estimated to weigh nearly 66 tons. The vibration is only in one direction, and that nearly at right angles to the length. A force of a very few pounds is sufficicut to bring it into a state of vibration, even the wind blowing on its western surface, which is exposed, produces this effect in a sensible degree. The vibration continues a few seconds. There is another Logging Stone at St. Just, and a third at Sithney, which has been thrown down; but this near the Land's End is the largest. This was displaced in a frolic a few yearn since, but was restored, though with great difficulty:
On the horizontal surface of the granite the action of water has formed excavations with rounded bottoms, oecasionally circular in their ontline, and as regularly spheroidal as if shaped with a turninglathe. They are of various depths, and sometimes communicate with each other. The surface of 'the rock basin quoit' at Carr-brea is honeycombed by these hollows. In the parish of Constantine are two very singalar monuments. One is a hugo stone resembling an inverted cup or mortar, but not hollow, so regularly formed as to present the appearanco of art. It is 30 feet in girth and 11 feet high, according to Dr. Borlase. The other monument is a vast stone perched on the points of two rocks, so that a man may creep under it; it is 33 fect long from north to south, which is its greatest dimension ; the breadth from east to weat is $18 \frac{1}{2}$ feet, and tho thickness or vertical dimensiou is $14 \frac{1}{1}$ feet ; the circumference is computed to be 97 feet, and the girtl about 60 feet; it is estimated to weigh at least 750 tons. Tho top is honeycombed by rock basins similar to the rock bain quoit at Carn-brea. There are iu Cornwall and the Scilly Inles other stones similarly supported; they are commonly designated by the name 'Tol-men,' that is, hole of stone. (Borlasc, 'Antiquities of Cornwall.')
The cairns on Carn-brea Hill, near Redruth, and the Roche Rocks, a little to tho left of the roal from Bodmin to Truro, arc of tho Celtic jeriod; they are formed of granite, and owe much of their picturnsure form to natural caunes.

History and Antiquilies.-Boforc aud at the time of the Romans
invasion, Cornwall was probably included in the territory of the two tribes, the Damnonii and the Carnabii. Ptolemæus mentions only the former of these, whom he terms Dumnonii ; and they scem to have occupied the south-enstern part, comprehending all the Channel eoast. The Carnabii are not we believe uoticed by any writer except Richard of Cirencester, who considers that they gave to the county the name which it had in the Latin of the middle ages, Cornubia. It is howevcr more probable that the district gave name to the people, and that both Carnabii and Cornubia coutain the Celtic root kern or corn, signifying a horn. The second part of the modern designation of Cornwall is derived from the Saxon Wealas, a name giveu to the Britons, some of whom, on the Saxou invasion, retired into the western part of the island, and maintained a long atruggle for their national independence.
At an early period this part of the island was frequented by the Phænicians of Gadeira (Cadiz), who came hither to procure tin, lead, and skine, but especially the first; in return for which they gave salt, earthenware, and eopper goods. (Strabo, lib. iii. 175). It was probably from these Phonicians that the western extremity of Britain, with the Scilly Islands, obtained the name of the Cassiterides ('tin islands'), from a root which, in some of the oriental tongues, as well as in Greek, denotes tin. The Greeks appear to have had some knowledge of those parts of the island where tin was wrought, bcfore the time of the Roman conquest.

To this remote period we may refer some of the rude stoue monuments which are still numerous in this part of the islaud; and to which are generally ascribed a Celtic origin. Rough blocks or obelisks standing in pairs, aud supposed to be momorials of the dead, are found at Dryft, in the parish of Sancreet, between Penzance and the Land's End, and at Trewren, in Madderu parish, uear Penzance. There are two stones at Bolleit in St. Buryan or Burian (also near the Land's End) which aro a furlong apart, one 12 feet, the other 15 feet high. On the dowus between Wadebridge and St. Columb are nine rude stoue blocks or pillars placed in liue, bearing north-east and south-west, and called the Nine Maids. The circles of stones are numerous in this county, and are generally known by the name of Dawns Men, that is, the stone dance. Boskednan circle, in the parish of Gulval and Boscawen- An in St. Buryan, are forincd of stones placed at some distauce from cach other. Boscawen-ûn lias a stone in the centre fixed in the ground, but leaning far forward. Other eircles are formed by stones not erect, but placed near each other, so as to form a kind of fence: such as Zenor Circle, between St. Ives and Cape Cornwall, and Kerris Roundago, near Penzance, an oval inclosure, with four stone pillars at one end, marking out a quadrangular space. All these are in the western part of tho county. Near Liskeard are three circles, very near each other, formed by erect stones placed at some distance; several of the stones have beeu carried away, and others overthrown. This monument is locally named 'the Hurlers,' from a popular superstition in the district. It Botallack, in St. Just parish, near Cape Cornwall, are several stouo eircles intersecting each other: and on the hill Carn-Menelez in tho parish of Wendrou, between Redruth and Helstou, is a stone circle, having in the middle of it a natural rock of four masses piled on each other after the manner of the Cheesewring. There are also in Cornwall several circles, which Dr. Borlase supposes to have bepu devoted to the purposes of an amphitheatre. They are called 'plân an guare, 'the plain of sport or pastime.' But some of these, at least, are more probably encampments than amphitheatres.

Various other antiquities may be noticed hcre as having probably had a British origin, though of uncertain date. There are several barrows, or tumuli, composed some of loose stones, others of earth, and others of stones and earth mingled. Some of these, on being opened, have been fouud to contain sepulchral urns; others in tho Scilly Isles, have an outer ring or edge of large stones, and within a cavity formed by stone walls, with flat stones at the top, and the cavity eovered with the mound of loose stones or earth. Thero are also several cromlechs, the top stones of which are in Cornwall called 'quoits.' The quoit of Lanyon Cromlech is 19 feet long aud 47 feet in circumference; its thickness varies, being in some parts as much as 2 feet; it is raised so high that a man can sit on horseback under it. It has four upright stones, but one is too short to give it any support.
Among the smaller relics of antiquity may be mentioned tho sepulchral urns dug up from some of the barrows; celts of both brass and stone; spear-heads and broken pieces of copper swords ; lumps of fine copper, evidently designed for melting; and a considerable number of gold coins found in 1749 uear Carn-brea Hill, in the neighbourhood of Redruth.

There are also in Cornwall several artificial caves or subterranean galleries, formed by walls of upright stones, with other stones laid across; some of the galleries extend 30 feet or even 60 fect in length. The upright stoncs, or obelisks, with inscriptions iu the Roman character, and in the Latiu tonguo, must be referred to a period subsequent to the Roman invasion; and from their iuscriptions or symbols, several must havo been postenior to the introduction of the Christian religion. Other antiquities of liritish origin we must pass over.

Tho period at whicli Cornwall fell uuder the power of tho Romans is not known. Dr. Borlaso ascribes tho conquest to Agricola; Dr. Stillingfleet to Vcspasiau. As however noue of the loman historians
who have reoorded the affaiss of Britain notico the conquent of Cornwall, or of the tribes inhabiting it it is probable that it was not signalised by any great exploita Some of the older antiquaries deaied that Comwall ever came ander the Roman dominien; hut apart from the improbebility of the rich mines of this county encaplag the notlee, or being defended from the power of that people, the quantity of Roman coime and other Roman remains found in Cornwall shows that Cornwall shared in the general sulijection of South Britain.

The geography of Cornwall during the Roman period is very obscure. Ptolemseus notices the headlands of Antiventroum, or Bolerium, euppeed to be the Land's End; and Ocrinum, or Damnonium, suppow to be the Llzard : and Richand of Cirencester mentions also the liame Head. Ptolemmun mentions the restuaries of the river Tamnrus, which the name enables us to identify with the Tamer, and the Cenion, probably the Fal, which has the moat remarkable restuary weat of the Tamer. Of the towus of the Damnonii, mentioned by l'tolemeus, Volubs, or Voliba, bas been fixed at Tregony, or Grampound, or perhaps at Wolvedon, where is a camp, probably Roman, on the Fal (the nause of which lias been supposed to bo iucorporated in the wond Vol-uba), and at Lostwithiel, or elsewhere on the Fowey. Uxela, which some have fixel at Lostwithiel, is more generally regarded now su having boen in Somersetshire. Tamaro, fixed by Horsley at Saltash, ia by others removed iuto Devonshiro to Tamerton. To these towns, all mentioued by Ptolemmer, we may add on the authority of Richard, Cenia, whose name seems to comect it with the Fal, the Cenion of Ptolemaus, but which is nevertheless fixed by some at Condurra, on the river Hel, or Helford, where are the remains of a Roman camp ; Mnsidum, or Musidunum, which is fixed near Stratton; and Ilalanginm, supposed to be Carn-brea. Two if not three Homan roads enter Cornwall from Deronslure. Ove was the continuation of the great road which ran westward from Isca Dumniorum, or Fxeter, and it ls mid may be traced on the downs west of Liskeard; it is conjecturel to havo proceeded westward by Lostwithiel, St. Austell, and Grampound (or Tregony) to Bossens, where is a Roman camp, near the river Ifeyl, which falls into St. Ires' Bay, and thence to Marazion, or rather to St. Michacl's Mount, the premumed letis of Diodorus The other road came frum the north of Devon to Stratton, and is conjectured to have led towards Bude Haven, which was probably then a large and more important harbour. The existence of a third Roman road is doubtfill. A road, probably British, the direction of which is markel by the occurrence of tumuli, runs from the Landi's End, near Redruth, Michel or St. Michael'm, nud St. Columb, towards Stratton. Beaides the [laces above mentioned, Launceston has been sipposed to be a Roman station. Cornwall was incladed in Britanmia Prima.

Upon the departure of the Romans Cornwall recovered its independence, which it maintained for a long time against the invading Saron. The famous Arthur, wlose history has been mo distorted by fable as to cant a doubt over his existence, is geucrally repnted to have been a native of this county.

The continued and resistles pressure of the Saxons having driven Fertwanl those Dritons who refused to bear the yoke of the invinders, Cornwall and Devonshiro became the place of refuge to many. It way probably about this time that part of the suporabundant population thus compresed into the extremity of the island took refuge in Brotagne, already colonised by thelr conntrymen, and gave to a Jistrict there (Cornouailles) the name of the country they lad left The Coraish Britons and those of Wales appear to have recognised one supreme anthority until the midalle of the Th century, when Cadwaladyr, the last Eritish sovereign, abdicated his throse, and went to linme, whero he died. Upon his denth, A.d. 680, Ivor, son of Alain, king of Bretsgnc, was scut by him father with a powerful feet to obtain the crown, and inct at first with considorable success, defesting the West Saxons, aud obtitining posecssion of Cornwall, Devonshire, and somemetshire: he win however afterwards driven from the inland by the Weat Saxon King Kentwin. From this period till the reign of Figbert the Britons were exposed to the constant hontility of the Baxona. Durlng the reigu of Eghert's succemsors little is known of the bintory of Cornwall until we come to the tiue of Athelntan, by whom the whole country, lucluding the Scilly Isles, wan redncerl and incorporated wlth the now consolidated king doun of Ingland From thim time the Irevineial bletory of Cornwall offers lithe to inkerest the reader for many cenlurien. Some ravages of the Ihnes and some intentine commotious are the ouly memorable cvents. The attompt of flenry De la Pomeny to meize St. Mielinci"s Monnt In owler to eupport the rebellion of I'rince Joln against his brother licharal l. in noticed under Marazion.

Of the obscare and troubled period over which our historical notlce extends Cornwall retains zany memorialn in the campm and earthworkn, which aro noro numerous in this county than iu any other. Thees are for the mot part nearly round or oval, a form which induces us to rofer them to any other than a IRoman origin. They ponibly were formed during the sovero and protractod atrugglen of the Comilh Pritons with the Auglo-Saxons In many placom of the coant a minall promontory or portion of the cliff in inclosed by a rampuath, or vallurn, runaing from one edge of the cliff to the other, and strengthened on the land-nile by a diteh. Theac, If nituntion bo any clue to their origin, may bo areribed to the llanes. The spaco
incloned in considerable ; in one ense (in the yarish of St. Gorran, near Movagissey) it nmounts to 100 acros Our space forbidn a description of thene work, and a inero catalogue would be useless

The mins of catles and of monastic establithmente belong to a later period than the earth-workm; lut in these Comwall is not remarkably rich. On tho hills are ronsains of rude circular buildings called castles, the walls of which wero formed of dry atones not joined with any counent: these unust bo referred to an early period; Dr. Borlnso consider tbem to bs of Davish origin. In the narrow part of the county weat of Mount's Bay and St. Iven' Bay there are no less than seven of these castles, one of which, Chun Castle, connists of an oval ivelosure surrounded by a wall, which Borlase estimaten to have beeu originally 15 feet high, or rather inore; 8 feet thiek at the preseut top, but thicker at the foundation; outaicle of this is a ditch 30 fect wille; aud ontrido of this an onter wall, probably 10 feet high, and about 5 fect thick. The cutrance, made intricato for the purpose of defence, is inclosed by walls ruauing from the outer wall, on one side of the entrance quite to tha inner wall, rud ou the other to within three feet of it: two other walls running from the outer to the inner wall serte with the entrance to divide the diteh into three parts. Round the outer wall in a ditel. The space inclosed by the inuer wall is I 25 feet from cast to weat, aud I 10 feet from uorth to south ; it is divided juto several compartments ranged round the inside of the wall. There is a well in the inclosure.
Of castles intended for residence as well as defence may be mentioned Karn-brd, or Carn-brea Castle, on Carn-brea Ilill, near the Land's Lud. This is very suall, scarcely 60 feet long by 10 foet wide, built upon a lodge of rock, whoso onereu surface has caused great diversity in the level of the rooms upon the ground floer. Carn-brea IIill ahounds with antiquities: there is an aleient camp of irregular form, some cairns, aud other antiquities of rongh stone. Tintagel Castle has beeu already noticed. [Bossaver.] Fur Launceston Castle, see Launceston.
Trematon Castle is on an eminence over the river Lymber, in the parish of St. Stopliens, and not far from Saltaslı. It han a base-court gurrounded by an cmbattled wall of irregular form, following the shape of the bill on which it stands, and pierced with loop-holes, The keep is on an artificial mound, at the north-enst coruer of the basecourt, about 30 feet high : the walls of the keep are 30 fect high and Io feet thick: it is nearly oval, aud its inner dimensious are 66 feet by 52 feet. It has no windows in the outer wall. In the time of William Rufus this castle was held by the Valletort fawily. In the Cornish rebellion in 1549 (reigu of Edward VI.) Trematon Cumtle was defonded for a while against the rehels by Sir Richand Greavillo.
Of Restormel Castle, in the parish of Lanlivery, near Lostwithiel, the only part now remaining is the .kcep, a building of largo dintensions: it is on a steep mound formed out of a rocky hill, and has a decp ditch. The inclosure of the keep in an exact circle of IIO feet diamoter within; it has walls Io feet thick at the top: from the prescut floor of the gronnd-rooms to the top of the parapet is 316 feet. The castles of Fowey, St. Mawes, and l'endennis are notlood clsewbere.
There are few remains of monastic buildings in Cornwall. The ehureh of St. German's priory is described under St. Germans. Monastic remains on St. Michael's Mount lave beeu rcpaired and converted into a dwelling-house. [Marazion.] Of the uionastory of St. Benet, year Laniret, there are considerable remains. The tower of the chureb is also standing. The chapel of St. Lawreaces Hospital, near Bodmln, remains. Morwinstow chureh, in the northern extremity of the couuty, and Kilhampton or Kilkhampton ehurch, near Stratton, are very aucient, being wholly or chiclly of Norman architeeture. Sheviok chureh, near St. German's, has some portions of early English and other portions of decorated English architecture.

In the war of the Roses the Cornish men seem to have taken the lancasterian sldo, induced mainly hy the influence of Sir Hugh Courtonay of Boconnoe and Sir John Arundell of Lanhorne: they were present in the field at Towkosbury, and it was in their country (at Sh Miclasel's Mount) that the Varl of Oxford, oue of the Lancresterinu lenders, sought to make a ataud after that fatal day. In the roigu of Inenry VII. (1495), they rowe in rebellion on ocension of a tax loviod to dofray the expease of a war with Scotland. In 1497 tho Cornishmen were again in arms to support Perkln Warkeck, but the flight of that pretender caunod the failure of the atteupt. The change of the religious institutions of the county lerl to the change of the common laugunge of Cornwall ; the poople, for the most part of British descent, with comparatively few Saxons settlod among them, bad retained a languagu of their own, a dialect of the Celtic. The introduction of the Einglish church pervice paved the way for the grulual decline of the Corninh dinlect. In the reign of Charles I. some aged poople near I'cnrya wero quito igoorant of the Englislı language. In the early part of the lant century the Cornish wan still spoken by the fishermen and market women near the extreme nouthers poiut of the county. At prowent this ancient tongue is the atudy of the scholar and Antiquary alonv. A few manuscripta in it are extant; the mont remarkable of which are some interluden partly written in the 15 th century.
In 1595 I'enzance aud oue or two places near it were hurnt ly the Spanianla.

In the great civil war of Charlez I. and his parliament the Cornish men seem to have been on the whole in favour of the king. They distinguished themselves on the royalist sids at the battls of Lansdowns and ths siege of Bristol in 1643; and the king in reward of their loyalty wrote them a letter of thanks, which lis ordcred to be printed and published, and a copy to be read in every church and chapel in the county. In July 1614 the Earl of Essex marched into Cornwall at ths head of the parliamentary forees and took possession of Lannceston, Saltash, Dodmin, Lostwithiel, and Fowey; but being followel by the royal army under the king in person was forced to retreat to Fowey with his infantry, his cavalry having previously got clear off. From Fowey Lord Essex escaped with some other persons to Plymouth ; but his infantry, 6000 in number, under Major-General Skippon, were forced to capitulate on September 2ud. In the autumn and winter of 1645 Charles II., then Prince of Wales, spent soms time in Cornwall: in March 1646 he emharked at Pendeunis Castle for the Scilly Isles upon the approach of the Parliamentarians under Fairfax, who, after defeating Lord Hopton at Torrington, entered Cornwall, forced the rojalist cavalry to surrender, and acquired possession of the whole county. The royalist army had been disorganised by the disputes of their leaders. Pendennis Castle, one of the lant places in Eugland which held ont for ths king, surrendered in August 1646. The Scilly Islands had some time before been seized by the victorious party, and Prince Charles forced to flee, first to $J$ Jrsey, and afterwards to France. In 1648 an attempt to raiss forces for ths king was defeated by Sir Hardress Waller. The Dutch made two attempts on the Cornish coast in the war between them and the Commonwealth', vut wers defeaterl in both. Since this period ths local bistory of Cornwall presents little that is of general interest.

Cornwall is msinly a mining county. In 1851 the county possessed ninc savings banks, at Bormin, Falmouth, Helston, Launceston, Liskearl, Penzance, Redruth, Truro, and Wadebridge. Ths total amount owing to depositors on the 20 th of November 185 I was 503,760l. 3s. 3d.
COLZOMAN'DEL COAST, originally Cholomandala, or, accordiug to Mnjor Rennell, the Sora Mandalnm of Ptolsmæus, is the sea-hoard of tho westeru sido of ths Bay of Bengal, extending from Point Calinere on ths south, in $10^{\circ} 18^{\circ} \mathrm{N}$. Int. and $79^{\circ} 56^{\prime} \mathrm{E}$. loug., to the mouth of the Kistnah on the north, in $15^{\circ} 45^{\prime} \mathrm{N}$. Int and $30^{\circ} 53^{\prime} \mathrm{E}$. long. Along ths coast from south to north aro Ningore, Trauquebar, Cuddalore, londicherry, Madras, and Nellors; but throughout its whole extent, about 350 miles, forming part of, tho sea-hoard of ths Carnatic, the const does not afford any secure port or harbour, and owing to the prsvalcuce of ths surf it is difficult to effect a landing except by means of boats constmicted for ths purpose.

CORON (Koroni), a town in the Mores, on the west coast of the Unlf of Knlamata (called also Gnlf of Koroni), the ancient Messenian Gnlf. It appears to stand at or near ths sits of the ancieut Colonides, while ths town of Corons, of which Pausanias speaks as Laving been huilt by the Messenians when they were restored to their country hy the help of the Thebsna, would sesm by the description which that anthor gives of its locality to have stood farther north on the same coast, near the spot where the village of Petalidhi now stands. Leake however makes Koroni oecupy the site of Asino; Coloniles he places at Kastélia, where are some ruins of ancient buildings; while the French commission places it on the Bay of Phocnicus to the northwest of Cape Gallo, the ancient Acritas. The present Coron is a place of some trade, and exports oil and silk, which are produced in the neighbouring district.
The town contains a large castle in tolerably good repair, in which the Turkish inhahitants used to reside before the Greck revolution, the Greck population then occupying the suburb called Varusi. The roadstead is open and exposed to the south winds, but the bottom of the shore being soft sand, vessels driven upon it often escape without much damage. The town stands on a promontory surrounded by a fertile plain, which is divided from the district of Modon, on the west coast of the Morea, by a barren ridge which runs north and south through the peninsula to Cape Gallo. (Leake's 'Morea,' vol. i.)
CORRİZ.E, an inland department of France, deriving its name from the river Correze, which falls into the Vezere, a tribntary of the great river Dordogne. It extends between $44^{\circ} 55^{\prime}$ and $45^{\circ} 44^{\prime} \mathrm{N}$. lat., $1^{\circ} 13^{\prime}$ and $2^{\circ} 22^{\prime} \mathrm{F}$. long. ; and is hounded N. by the departments of Hante-Vienne nnd Creuse, $1:$. by thoso of Puy-de-Dôme and Cantal, S. by the department of Lot, and W. by that of Dordogne. The department is of irregular forms its greatest length from north-east to soutl-went is 64 miles, from east to west 51 miles. Its superficial extent is 2205 squmre miles; its population according to the census of 1851 was 320,864 , which gives 141.66 to tho quare mile, being 33.05 below the average per square mile for the whole of France.

This department is formed out of Bas-Limousin, and consists of two region of highlands and lowlauds The district that forms the enst and north of tho department, comprising the arroudissement of Usal and the greater part of that of Tulle, is called La Montagns (the Highlands), from its leing covered with the Auvergne Mountains or Monntains of Limonsin, as they are called, which soparate the watern that flow to the Loire from those that feed the Dordogne. Numerous offsets from the Monutains of Limousin run in a sontherly
and sonth-west direction iuto ths interior of the department. These regions present caverns, ravines, torrents, cascades, high plains, and wild, bare, and barren summits, which riss in some places to the height of 4000 feet abovs the sea, aud ars covered with snow for sevsral months in ths year. The lower slopes ars clothsd with forests in which the chestnut thrives in farourable situations; the high plains and valleys producs some good pasture; hut ths general character of this portion of the department is extreme sterility, ths shallow, cold, and hungry soils yiclding but scanty crops of rye, oats, buckwhent, hemp, and flax. Neither grapes nor auy other fruits ripen thoroughly except walnuts, and they are of a small size.

The south and south-west of the department, called Le Pays Bas, or the Lowlauds, has a richer soil and a denser population. Here the vine and other fruit-trees generally flourish, and iu addition to ths cereal grains before mentioned, wheat, barley, and maizs nre produced. Horned cattls are reared in considerable numbers in the lowlands, sheep and goats ou ths mountain pastures. Among the wild animals are the wild boar, the wolf, and ths fox; reptiles are very numerous, and among them several varieties of the adder. Birds, both native and migratory, exist iu great numbers and variety. Throughout ths whole department the climate is cold and damp; fogs ars almost always hovering ovor ths courses of the uumerous rivers and the saturated soil of the lowlands; the nights eveu in the middle of summer are cool, and white frosts are very common. The habitations of the peasantry ars for the most part wretched iu the extreme.

In cousequence of the extrems humidity of the elimats the surfaco of the department, except when covered with snow, presents everywhere au agreeable verdurs not very common in France. The Fauna of the department is extremely rich in grasses of different kinds, in odoriferous and umbelliferous plants, and in mosses, lichens, and fuugi. Among forest-trees ths priucipal species are chestnut, walnut, and in dry situations the oak. Ths fruit of the chestnut enters largely into the food of the people. The phenomenou of the spontaneous carbouisation of the chestnut-tree is uot rare in this department. Horned cattle ars generally used in tho plough throughout ths lowlands, where a good unmber of cattlo are fatted for ths Paris and other markets. Ths stock cattle of the dspartment are recrnited by importations from the departments to ths southward, as the offspring of ths native breeds soon degenerates. Sheep, ou the coutrary, improvs in quality on ths pastures of the department.

The Dordogns and its feeder ths Chavauon form the eastern boundary of the department for a considerable way, separatiug it from those of Pny-dc-Dômo and Cantal. The Dordogns crosses tho south-eastern angls of the department, aud enters that of Lot near the point where it is joiued hy the Cere from the left hank. Its principal feeders within this department are the Diegs, the Troussonne, the Lazdge, the Doustre, and the Loyre, all of whicli rise in the north-enst of ths department and fall in on ths right bauk. [Dondogne.] The Correze, from which ths department is named, rises in ths mountains near Meymac, and, flowing south-west past Tulle and Brives, euters tha Vezcre on its left bauk near the westarn boundary of the departmeut. The Vezele drains the north and northwest of the department; it rises near Chavagnes in the arrondissement of Ussel, and ruus south-west past Treignac, Uzerche, aud Larche, near which it enters the department of Dordogne; here continuing in the same direction, it passes Montignac, a fsw miles south-west of which it falls iuto tho Dordogne on the right hauk. The MauteFezere, a feeder of ths Isle, rises in the west of the department nenr Lubersac. None of these rivers is navigable within this departmeut. The department is crossed by 5 state and 5 departmental roads,

The dopartment is rich in mincrals, espscially in coal, iron, lead, granite of different colours, porphyry, alahaster, \&c.; but of this wealth little advantage is taken from want of facilities for trausport. The iron and coal raised are chiefly used in ths departmeut. Fire-arms, leather, glass, bricks, coarse woollens, wax-candles, and nut-oil are the principal articles of industrial produce. A great number of fairs are held in tho year, at which, besides the articles named, cattlc, horses, mules, linen yarn, chestnuts, \&c., are sold.
The whole surface of ths department contains $1,449,624$ acres. Of this area 302,566 acres are under various crops, 384,000 are capable of cultivation, 180,561 consist of natural grass-land, 406,082 of heaths and moors, 90,366 of woods and forests, and 37,569 acres are under vineyards, which yield $5,566,000$ gallons of inferior wine yearly.
The department is divided into 3 arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Communes. | Population in 1831. |
| :---: | :---: | :---: | :---: |
| 1. Tulle . | 12 | 118 | 138,111 |
| 2. Brives | 10 | 101 | 116,640 |
| 3. Obsel . | 7 | 74 | 66,113 |
| Total | 29 | 293 | 320,864 |

1. In the first arrondissement the chiof town is Tulle, which stands on the Correze at a distance of 291 miles S. from Paris, in $45^{\circ} 16^{\prime}$ N . lat., $1^{\circ} 46^{\prime} \mathrm{E}$. long., and has 10,748 iuhabitants, ineluding the Nholo conmune. The lown, which is bnilt on the slope of a hill, is
ancient and ill faid ont: the houses ase in general old and ugly, but some are remarkable for their gothie etrneture and sculptured orna. menta. The most important buildingu sue the cathodral, the courthouse, the departmental prison, aud the theatre. The town is the seat of a bishop, has trihunals of first instance and of comzeree, eoclesisatioal and communal collegen, and a pretty promenade aloug tho Correse, which is hero joined ly the Solane, and is orossed by several bridges Tulle is a place of mome manufacturing industry, and has a good trado in catlle and agricultural produce; but it is chiefly noted as the contro of a manufacture of firo-wros, which gires employment to sbore 1000 workmen in the tom and neighbouring districta On the hill above the town there is a high square tower said to be of Roman countruction, and near the tower is the publio cemotery. Argentat, a thriving commune and to wn on the right bank of the Dordogne, which is here erossed by a sunpension-bridge, has 3197 inhabitants, who trede with Bordenux in oak staves, corn, charcoal, and coal rained in the neighbouring mines. Treignac, on the ieft bank of the Vezere, has an anoient castle, a colloge, and some trade in wool, wax, cattle, sheep, to The population, including the whole commune, excecis 3000. The manufactures are hats, stockings, and woollen yarn. About two miles above the town the Vezere, issuing from a narrow rocky defile, descends to a level 100 fcet lower at a siuglo bound. l'zerche, a pretty town farther down tho Vezere, ocoupies a very picturesque site, and has a college and, including the commune, 3237 inhablauts. The houses are well built, covered with slates, and many of them are decorated with turrets.
2. In the second arrondissement the chief town is Brives-la-Gaillarde, which struads in a fertile valley on the left bank of the Corrèze, 19 miles S.W. from Tulle, and has 8418 inhabitante, including the commune. A circalar arenue, formed of elms and bondered with pretty house built of cut stone, surrounds the town, the interior of which disappoints the expectation thus raised, as the streets are narrow and irregular ; but the houses in genoral are woll and substantially buit. The best buildings are the college, the church of St. Martin, the hospital (a honse built during the English ocetpration of this part of France, which is decorated within and without with curious gothic sculptures), and the Belvedere Tower, from which there is a fuoviow of the town, the valley of the Corrèze, the vineyards, snd wooded slopes of the vicinity. The town has an ecclesiastical semivary, trades in timber, wise, chestuute, violet inustard, trufles, turkcys, wool, cattle, piga, \&c., and has manufactures of cotton-yaru, nut-oil, and waxcaudice. Coal-minem are worked near the town.

Of the other towns we gire the following, with the population of the cotamunem in which they stand:-Alassac, 9 miles $N$. from 13rives, population 4200, chiefly engmged in tillage and the culture of the vine. Beaulieu, on the right of the Dordogue, has 2518 inltabitants, and an old church which is decorated with very remarkable weulptures. Shonsenac, 6 miles N. from Prives, is prettily situated among vineyarls and plantations of walnut, chestnut, and poplar trees: population 3250 , employed in agricnltare and in the alatequarries near the town. Jowillac, on tho western border of the depmetment and near the lead-mines: population 2455 . Inberaac, wewr tho Ifato-V ezere: population 8768 . Pompadour, a small village neur Lubereac, is noted for its cantle, which was bestowed by Louis XV. on one of his mistresses, who took her title of marchioness from it. Meysac, 12 milew 8 . from Brives, has 2591 inhabitanta, who raise great quantitios of walnuts. A little west of Maynsao is the village of Twrenne, commanded hy an ancient castle which belouged to the dukes of Aquitaine, the ancestors of Marshal Turenne, who took his title of duke from it. Jigeois, 8 miles from Brives, has paper-mills and 2508 inlubitante, including the whole commune.
3. In the third srondissement the chiof town, Eisel, in situated among mountalne between the Diege and the Sarsonne, which unite and fall into the Dordogne ceer liort. It has a tribunal of first Instnnce, a college, and 4238 inhabltants, who manufacture coare woollens, cansmes, nalls, and leather, and trado in hemp, skiur, wax, taliow, timber, onk stavee, ace Bort, a commune and town on the right Lank of the Dordogne, has 2367 lnhahitants; near this piace Is a hill called Orgues-de-Bort, whileh In composed of enormous bamaltic columbar. Meymac, in a protty valioy 10 miles W, from Uasel, has an hoopital, an aucieut ohurch, and 3830 lnbabitante, inciuding the whole communa Neuric, 13 miles W. from Unsol : popilation 2918.

The department forus the see of the biahop of Tulle, is undar the jnriadiction of the ligh Court of Limogea, but an asalze court is held in Tnila. It la included in the 21 nt Milltary Divislon, of which Limogem is incei nquarters.
(Dictionnaire de la Frawce; Statintinue de In France; Annuaire pour
An 1858.) CAn 1858.)

CORH1B, LOLGH. [Qar.wat.]
COBRILETE:S, one of the Riverine provinces of the Argentino Confederntion, Sonth America, comprohends the northern portion of the peninenla formed by the rivers I'arandand Uruguny; the southern prortion of the penlnmula being occupled by the province of Entre llios The propulation is sbont 35,000 .
The conthern and eatern parte of the province are soneewhat hilly, but the remaining and by far the greater part is iow. Abont lialf the nirface is covered whth tlmbertrees, such of the wood being available for house and whlp-buldaing. Some thoumand square mile
aro oovered with palm-trees, which aro used for a great number of purposea. In the northern part of the province is the Laguna libera, which is in fnot a root merah overflowed daring the periodion rising of the d'arani. It feerle all or nearly all the rivern whloh rise in the interior of the prorince and fall into the Parand ou the one mide or the Uruguay on the other. 'The soil of Corrientes is generaliy sandy, but produces excellont crops Cotton, tobscco, rice, sugar, indigo, and other tropisal productions \$ouriah, yel littio atteutiou in giren to them, partly owing to the sountiness of the population and partly to the general dialike of tho poasautry for agricultural occupations. Besides the articles moutioned abore, maize and burley, arnow-root, melons, sweet potatoes, and various tropical fruits ars raised. The eugar-cano is at present only grown in onder to extract molasses for distilling; the sugar consumed in the province is imported from Brazil. All kinds of crops suffor at times from visita. tions of enormous swarms of ants and locusta, which entirely derastate the district in which they appear. The chief employmente of the Inha. bitants are the rearing of cattlo and horses, there being a considerable extent of good pasture iand; ehoep howerer do not thrive very well Largo numbers of hides are exported. Mechanical pursuite are entirely neglected. The province is well adapted for commerce, there being on the l'arand four places which serve as good ports, and three on the Uruguay. The opening of thene rivers will donbtlees prove of great beuefit to Corrientes, but the traffic cau ouly be fairly developed when the rivers are navigated hy stearn-pessels. The inhnbitants are for the most part a mixed race of Indians and Spauish, and of indolout habits. The language eqroken, according to Mr. Woodbine Parish, is "more Guarini than Spanish." There are exceedingly few forcigners in either the capital or the country prarta of the prorinee. Most of the peasantry possess 10 or 50 mares, 30 or 40 cows, and from 100 to 200 eheep. The women are of more industrious habits than the men. They do a good deal of the agricultural lsbour, as plougho ing, hoeing and attending to the cropa, aud reaping ; mako choese for sale as well as home consumption; act as shepherds; and spiu and wearo both cotton and woolion clotls for sumuer and winter gar. ments.
The goverument is alusost entirely iu the lands of a govarnor, who is elected by the Congreas for a term of thrco years. ''lio Congres consists of 15 deputies,-one from each of the 14 departmenta, except that of the capital, which returas two deputios. The revome is derived chiefly from customs duties, and the church property which was seized by government during the civil wars. The arny consinta in time of pesco of 1000 men, hut during war all malea between the ages of 14 and 60 ave liablo to serve. Indeed during the late war with Buenoe A yres a reservo corps was formod of 900 or 1000 womeu mounted on horseback, who are said to have propul of great service in eome engagements with the army of Rosas, As was mentioned under Argestisie Confederatios, Corrienton took a iendiug part in the revolt of the other provinces againat the supremncy of Buenos Ayren, and ontered into the cngagements with foreign powers which led to the downfall of Rosas. The main incitement to these mensures on the part of Corricutes was the determinatlon of Rosas to enforce the closing of the Parand and Uruguay against all forcign vessels; and Corricutes made tho opening of the navigation of theso rivers a iending object in ali negotiations. The war betweon Bucuos Ayres aud the other provinces under Generai Urquiza, the govemor of Corrientes, still continues (Fobruary 1854), but there appears to ho a growiug desire on both sidos to bring it to a friendly termination.
Corrientes, the capital, population about 5000 , is situated in $27^{\circ} 27^{\prime}$ S. lat., $58^{\circ} 50^{\circ} \mathrm{W}$. long., below the confluence of the lito Parana with the P'araguny; and stands on a considerable elevation. It is rather a wellbuilt town, but coutains few buildings of any consequence. The situation of the town is admirably adapted for commeroinl purposes, affording on the ove hand every facility for inland intercourso; and on the other for carrying on the export and import trade with Buenos Ayres and with foreign states by the navigation of the I'arank Santa Lucia, also on the Parand, $29^{\circ} \mathrm{S}$. lat., $58^{\circ} 55^{\prime} \mathrm{W}$. long., is the next inportant town in tho propinco. It las some trade, but contains less than 3000 inliahitante.
The Miamiones, which, according to the treaty between Brazil and Buonon Ayren, in 182s, was to constitute au independent republic, extend enstward from Corrieutos, between the Parana and Paraguny to the confincs of Brazil. This fortile trnot, which was very populous under the sway of the Jennits, is now filied with dopopulatod ruins, It contrined only about a thousand inlabitants iu 1825 ; many of thom perinhed in the followlng war and othors emigrated, and it in now almoot ontireiy depopulated.

CORIROFiN, county of Clare, Ireland, a market-town and the soat of a P'oor-Law Union, in the parish of Kilneboy and barony of Inchiquin, is situnted on samall stream which unites the lake of Tarlon and Inchiquin, in $52^{\circ} 56^{\prime} \mathrm{N}$. lat., $9^{\circ} 4^{\prime} \mathrm{W}$. loug., distaut 7 miles N.N.W. from Einnis, and 119 milen W.S.W. from Dulalin. The population of the town of Corrofin in 1851 was 894, besides 255 in the workhouse. Corrofin Poor.Law Union comprises uine olectoml divisions, with en ares of 61,386 acres, and a popplation in 1851 of 9852 . Correfin is pleassntly situated in the plain between the hille of Inchiquin and Burren. From Tadon Lake a series of lakes and counecting streams runs north-zorth-east towards Kilmaeduagh.

The town contains a dispensary, and a station of the constahulary force. Petty sessions are held here, and there are tro yearly fairs. Iu the vicinity are the ruins of a castle, formerly the residence of the O'Briens.

## CORSEUL. [Càtea-DU-NORD.]

CORSHAM, Wiltshire, a decayed market-town in the parish of Corsham and hundred of Chippenham, is situated in $51^{\circ} 25^{\prime} \mathrm{N}$. lat., $2^{\circ} 10^{\prime}$ W. long., distant 14 miles N.W. from Devizes, 97 miles W. by S. from London by road, and 984 miles by the Great Western railway. The population of the parish of Corsham in 1851 was 3172. The living is a vicarage in tho archdeaconry of Bristol and dioceso of Gloucester and Bristol. The town of Corsham consists chiefly of one street of considerablo length; the houses are bnilt of stone. Near the centre of this street is a market-house erected in 1784. The parish church, dedicated to St. Bartholomew, is an ancient structure of mixed atyles, and consiats of a nave and chancel, with a tower and spire. The Independents and Baptists have places of worship. There are a Free school, a British school, almshouses, and seversl parochial charities. Previous to the general introduction of machinery into the woollen manufacture, spinning and weaving were carried on to a considerahle extent in Corsham. The population is now chiefy engaged in agriculture. Fairs are held March 7th and Septemher 4 th for cattle.
COISSICA, or as tho French call it, Corse, an island in the Meditcrranenu, about 180 miles E. from France, of which it forms a department, extends between $41^{\circ} 21^{\prime} 4^{\prime \prime}$ and $43^{\circ} 41^{\prime} 7^{\prime \prime}$ N. lat., $8^{\circ} 32^{\prime} 10^{\prime \prime}$ and $9^{\circ} 33^{\prime} 26^{\prime}$ E. long. The northern part of tho island consists of a mountainous projection, only 9 miles broad at its widest part, 23 miles in length, and terminating in Cape Corso (the ancient Saored Promontory). From this point to the Strait of Bonifacio, the southern boundary of Corsica, the whole length of the island is 116 miles; its greatest breadth is 52 miles. The area is 3377 square miles, and the population in 1851 was 236,253 , which gives 69.94 to the square mile.
A great number of small islands are scattered round the coast, the most important of which are Girajlin and Finocchiarolo on the north; Capraja, belonging to the king of Sardinia, on the north-east; l'IsleRousse or Isola Rossa, Gargalo, and les Ilcs Sanguinaires on the west; les Iles Cervicales and Toro on the esst; and Razzoli, Maddalena, Santa Maria, Caprera, Sparagi, and Budelli in tho Strait of Bonifacio.
The western coast is high, and indented by numerous gulfs and bays, many of which afford excellent harbours, though they are comparatively useless owing to the difficulty of communication with the intcrior. The principal hays on this coast are those of Porto, Sagone, Ajaccio, and Propriano; tho ehief harhours on the west coast are Santa Fiorenza, or St.-Florent, Isola Rosea (Ile-Rousse), Calvi, and A jaccio. The eastern const is low, and presents a eontinuous line, hroken only towards the north by the shore-lako of Biguglia, and near the southern extremity hy the fino harbour of Porto Vecchio and the Gulf of Santa Manza. The low grounds along the east coast are unhealthy, hut the greater part of the island is free from malaria. The best harbours are those of Bastia, Santa Manza, and Porto Vecchio (the ancicnt Portns Syracusanus). Here and there, in picturesque situations along the sea-shore, are seen a great number of towers, which were erected during the Genoese occupation of the island, and served to give notice hy firc-siganls of the approach of tho Barbary cruisers, to whoso incursions the island was in former times greatly exposed. On the south side of the island is the harbour and town of Bonifacio, which gives name to tho strait hetween Corsica and Sardinia. The interior of the island presente a mass of mountains, hroken hy abrupt gorgen, and inclosing many beautiful valleys, through each of which a torrent or a rapid hrook hurries along; steep frowning precipices reechoing the roar of the watera struggling past their base; and extensive forests, which present in their native luxnriance a rich contrast with the bare and rocky heights that here and there spring up above the general elevation of the ranges.

The principal mountain chain, the ramifications of which cover the grenter part of the surface of the island, runs due south from Cap Corso to ahout $42^{\circ} 37^{\prime} \mathrm{N}$. lat. ; it then turns west as far as Monte Grosso, which attains the height of 6500 feet ahove the sea. From this point it again runs south under the name of the Monti-di-Frontogna to. the summit of Paglia-Orha, which is 8697 feet high; hence it turns south-east as far as the pass of Foce-di-Verde, near $42^{\circ}$ N. lat, having passed its culminating point in Monte Rotondo (the ancient Mons Aureus), which reaches to the height of 9068 feet. From Foce-di. Verde its course is due south to its termination in the Strait of Bonifacio. The mountains of Corsica are composed chiefly of limeatone, hut the crystallised rocks, granite, porphyry, sienite, serpentine, \&c. appear in tho main chain and on tho west eoast. The mmmits are covered with snow for several months in the year. From this chain nnmerous rapid rivers run in all directions to the sca: tho principal of them are tho Golo and tho Tavignano, hoth of which rise in the group of Monte Rotondo, and fowing eastward enter the sen, the former near the mains of the ancient Mariann, the latter near those of Aleria; the Valinco, Talavo, Prumelli, Gravona, Liamone, and Valinco rise on the western side of this mountain chain, and flow wentward to the sea. The forests, which clothc the mountain sides, conslat chielly of oak, larch, heech, chestnut, pinc, cork, turpentinetrec, wild olive, dec. The vast extent of these forests and tho magnitude and excellence of the timber which they produco, has been cele-
hrated from very remote ages. But notwithstanding this adrantage and the abundance of harbours on the west and south coasts, the rugged nature of the surface of the island rendered Corsica iu ancient as it still does in modern times one of the wildest and lcast civilised portions of southern Europe. The higher part of the mountains produces pasture, in which aromatic plants abound; and on the very crest of the chain lakes are found well stocked with fish. On the mountaiu pastures during the summer the herdsmen feed their sheep, goats, and pigs, resting at uight in some of the numerous caverns in the rocks. The climate is excellent, the temperatnre varying of course with the elevation; and the air, except in a few marshy districts on the east coast, is pure and healthy: on an average 237 days in the year are fine and clear, 18 are rainy, and 110 cloudy. The prevailing winds are the south-east and south-west, which sometimes blow with great violence. The cold in winter on the highlands is of course intense,
The surface of the island comprises $2,161,610$ acres, of which 8514 are planted with olives, 24,427 with vines, 68,322 with chestnuts, 355,837 are under corn cultivation, 1090 are artificial meadows 572,603 are covered with rooks and forests, 515,606 are natural grass land not susceptihle of cultivation, and 14,551 are covered with waters. The remainder of the surface is overgrown with a deuse tangled underwood, eonsisting of arhutus, cistus, laurel, myrtle, heath, hroom, \&c., and forming an almost impenetrable cover, called hy the natives maquis, which is easily removed by burning hut if the land thus cleared he not kept in constant cultivatiou, it soon returns to its former state. The soil, except iu the lower valleys where it is alluvial, is stony but fertile. Wheat, maize, and barley are the chief cereal grains. The yearly produce of wine is $6,600,000$ gallons, some of whioh, especially that of Cap Corso, is of good quality, but in general it is carelessly made, ripe and unripe grapes being put indiscriminately into tho wine-press. Of chestnuta, an important article of food, the produce is enormous. The chestnut tree is one of the most magnificent vegetable productions of the island. The mul berry is cultivated for tho production of silk. The cotton-shrub, sugar-cane, indigo, tobacco, and madder are grown. The orange, citron, fig, almond, pomegranate, date-palm, and other fruit-trees flourish, and their produce is largely exported. The chestnuts and walnuts of the island are of the best quality and of the largest size The forests abound in wild bees, and was and honey are now as in ancient times important exports of the island. In ancient times the honey of Corsica was notorious for its bitter taste, owing to the bees (it is said) fceding on the box-trees, which rendered it unpalatable to strangers. The longevity of the inhabitants in ancient times was attributed to tho abundant use of honey as an article of food.

Mules are the principal beasts of burden; horses and asses are small. Cows do not thrive, owing either to neglect or the nature of the pastnrage; they give little milk, and their flesh is bad. Sheep and goats are very numerous, and are much prized for the delicacy of their flesh. The sheep are hlack, and generally have four, sometimes six, horns. Tho shepherds' dogs and stag and boar-hounds of the island are of very superior breed. Pigs are very numeruus. Among the wild animals are foxes, wild boars, deer, hares. Partridges, woodcocks, snipes, guinearfowl, pheasants, quails, \&c. are very abundant. Eagles, vultures, and other birds of prey haunt the mountain summits. Reptiles are numerous; but tho only venomous animal in the island is a black spider called malmignate, the bite of which is said to be mortal. Great quantities of tunny, pilchards, anchovy, and other fish are taken along the coast, and sent to the markets of Florcnee, Naples, and Genoa

Tron, lead, antimony, hlack mangauese, granito varying iu colour from gray to red, porphyry, white marble, limestone, jasper, emerald, amianthus, \&c. are found; but for the reasons stated above this mineral woalth lies comparatively useless. The granite of Corsica is of very finc quality. The Romans quarried it for architectural purposes, and ohtained their chief supplies from the little islets a few milcs from Bonifacio. There are several hot and cold mineral springs. Of manufacturing industry there is little. A little iron is manufactured from ore brought from the island of Elba, for no mines are worked hy the Corsicans. The island has several oil and flour-mills, tauneries, and brick-works, two establishments for the manufacture of soap, and one for making glass. These articles, together with turnery, pitch and tar, and bad cheese, are almost the only industrial products. Tho commerce consists of the agricultural produce, and brandy, olive-oil, dried fruits, wax, salt fish, coral, ship-timber, myrtle-leaves, orangeflowers, lichen, tanned hidcs, goat-skins, deals, \&c. No fairs are held in the island.

The island is divided into 5 arrondissoments, which, with thoir suhdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Communcs. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Ajaceio | 12 | 72 | 55,008 |
| 2. Bastia | 20 | 93 | 70,288 |
| 3. Sartenc . | 8 | 46 | 29,735 |
| 4. Calvi . | C | 34 | 24,390 |
| 5. Corté | -13 | 110 | 56,830 |
| Total . | 61 | 355 | 230,251 |

Toneas-- The chicf towns are thoso which gire uames to the sevemal arrondiasements. Of these Ajnccio aud Hastia hare been slready nuticed. [Asaccio; Bastia.]

Sarine, or Sartena, the seat of a triburual of first imstunce, is situaterl in the zouthern part of the island on a hill-ridge between the ralleys of the Valineo and the Ortulo, and has, including the whole comnune, 3233 inhabitauts. It is aurmunded by old ruined wall, and contains nany well-built houses. The land in the neighbourhood is very fertile iu com, cheatnuts, oil, and wine.

Bonijacio, fortified sea-port town ou the south coast of the island, gives name to the Strait of Bonifacio, which divides Sardinia from Corsica. The narrowest part of the strait, between Longosardo in Sardinia and the southerumost point of Coreica, is about seren miles seroes. At the enst entrance of the strait aro sevcral clusters of islande Sear the Corsican const is the island of Carallo; and between thst nud Maddalcua on the Sardinian side is Santa Maria, with neveral other islets nad rocke, which make the Mediterrancan railors in genemal avoid passing through the strait. The land on both sides of the strait in mountainous. The town is built on a level rocky peninsula in the strait $1 \$ 0$ feet above the sca, 20 miles $S$.from Sartena, 45 miles S. from Ajaccio, and lias 3135 inhabitants, including the whole communc. It originated in a fortress built by a Pisan uoblesnau named Bonificio in 830 . The Gonoese seized the fort in 1195, and thus gained a footing on the island. The town aud fortifications are reached from the suburb built aloug the port by a very stcep asceut. It is badly supplied with water. The harbour is formed by a natuml inlet of the sea, sheltered by the limestone rocks on which the town is built, as by a mole; the entrance for about 500 yards is open to the south-west; it then runs from west to east for about 1400 yards with a mean width of 150 yards. The principal buildings are the chnrches of Santa Maria Maggiore, erected by the Piaans, and richly decorated with marhle and porphyry; the church of San Domenico, a gothic structure, formerly belonging to the Templars, and erected in 1313; the church of San Francesco, which dates from the close of the 14th ceutury; the fine barracks built by the Freuch gorcrament in $17 \% 5$; and the arsenal, which is the largest in the island. The neighbourhood of the town is rery fertile in corn, fruit, and pasture. In the islands in the stmit are seen the granite quasries worked by the Romans, who seem to have neglected the wines of the island. The force of the sea has formed many large and beautifnl caverms near the town.

Porto lecchio, a small fortifed eea-port town of about 2000 iuhabitnnts, is situated at the head of a wide decp bny, which forms one of the finest and mafeat harbours in Europe. Tho bay is everywhere of great depth, aud affords room enough for tho largest flceta During the summer and autionn Porto Vecchio is an unhealthy place; the malarin from the marsly district round it forces the inhabitants temporarily to tlesert it for the healthy lighlands. A good deal of salt in made at naltworks near Porto Vecchio.

Culci, a small place on the west coast important for its fortifications, is situated on a peainsular rock at the head of the Bay of Calri, iu $12^{\circ} 34^{\prime} 7^{\circ} \mathrm{N}$. lat., $8^{\circ} 45^{\prime} 53^{\circ} \mathrm{F}$. long. : population 1746 . The rock is occupied with a strong citadel which commands the harbour, but is itself within cannon reach of a hill called Mozzello, on which there is a monll fort The citadel and the part of the town adjacent to it are surrounded by strong walls built of blocks of granite. The rest of the town is built along the shore. The harbour of Calvi is deep and well sheltered. The town was always faithfnl to the Genocse during their occupation of the island. The lingliah took Calvi after a stout resistance in 1794, hut it was recovered by the Corsicans in the following year. The old palace of the Genoese governors is now converted iuto barracks. The trade of Calri lins decayed greatly, its commerce being transforred to Irola Rossa, or lle-Rousse (as the French call it), which in sitnated a fow miles to the north-cast of Calvi, and is namel from tho red granite rock of which tho island is composod, and whlch abounds along thls coast. In the IGth contury the Genocse jolned the rock to Corsica hy a bridge, and erected a tower upon it for the defence of the const against the Moorish corsairs. In 1760, when the Genocio held only tho const towns and tho Corsicans were masters of the interior of the Inland, I'ascal Paoli erected some buildinge on the Isola Rosam, in orler to carry on trade and to hare communicatlons with foreign conntries. The place soon increased and becane the chief cmporiun for this part of the inland. The french murronnded the town with wnlla, nud built a mole to givo gromer cecurity to the harbour, which in decp cnougli for the largent remola: population, 1500 . Algojula, a mmall place on the const betwoen Calri and Inola Rossa, way formerly the residence of the Genoes governor of the province of Balague, which included the north-went of the island.

Corte, formerly the '1ntriot' capital of Corsica, is an ill-built fortified town nearly in the ceutre of the inland, a fow iniles north-east of Monte Rotondo. It etands on the left bank of the Tavignano at it junction with another mountaln stream, the Keatonica, and has a tribuual of commerce and above 4000 inhabilauta, including the whole commune The cown is built on the eastern alope of a bill above a lovely valley lald out $\ln$ gardens, vineyarrln, and olive-grounds, and dottel with country honses. It is abundantly mupplied with gool water by means of an anneduct nearly three milen in length. The cltaidel, the court.
house (in which the apartment occupied hy Paoli is slown), and the barracks are the most remarkable hildings.
Of other places the following in the arrondissement of Bastia may bo ineutioued:- Boryo, a mall place ou an cmincuce between the Golo and the Bevinco, uot far from tho ruins of Marians, deserven inention as tho scone of the last riciory gained by Paoli and the Corsicans orer the French in 1769. Juri is benutifully situated on the eastern side of the projectiou of Capl Corso, in a rich well. cultivated valley, ecreened by mountains and watered by a rapid stream which is at timen a furious torrent. A wide avenue extends from the town to the sea, which is thee milen distant: the road is protected from the torreut by a stout wall. The chureh of Luri is handsome; in the interior are five marble altara Rogliano, near the extromity of Cap Corso, bas 1525 inhnbitanta; they have many vague traditious about Senoca, who probably spent part of his exile hero. abouts. St. Florent (Sauta Fioronza), prettily sitnated at the head of the bay of the same name, nad at the estremity of a rich valley, is a small town inclosed by a wall, and farther defended by a strong tower. The harbour is shallow, fit only for fishiug smacke, but well sheltered. St-Florent is a few miles west from Bastin. It is au unhealthy place during the summer and autumn in consequence of the marshes near it.

The only roads iu the island are the following:-One from Bustia to the village of Santa Fiorenza on the west cuast, crossing the mouutnins by the pass called Bocca San Antonio: a secoud ruus south from Prstia, then up along the lon bauk of the Golo, which it crosses a few miles north of Corte; haring passed throngh Corté, it gains the western side of the mountain chain by the fortified pass of Iocea di Bogognano, and, runuing along the right bank of the Gravonn, termiuates at Ajaccio: and a thirl, which coincides with the preceding for a fow miles sonth from Bastia as far as the river Bovinco; haviug crossed this rirer, it runs along and within view of the east coast all the way to Bonifaccio, whero it turna north-west, and pasing through Sarterne and Olmeto, terminates at Ajaccio. The other roads are mere tracks.

The island is called Kurnos by Herodotus (i. I 65 ; vii. IG:) ; lnter writers call it Forsis aud Fiorsica. The last scems to have been the native name, aud was that adopted by the liomans. The earliest inhabitants appear to have coune from Liguria. The Phocceans founded the city of Alalia ou the eastern const, 13.c. 564 . The Tyrrheuians, and sfter them the Carthaginians, made themsclves masters of the ieland. Iu b.c. 259 , it camo under the power of tho lRounans, who took Alalin or Aleria, which was afterwards colonised from Rome and became the principal city of the island uuder the Ronan empire. Its ruins exist abont linlf a inile from the sea, though it was a sea-port in the time of the Romans. At the decline of the Roman enpuire the island was seized by the Goths, who held it till the 8th centurs, when they were dispossessed hy the Sarncens. In the reign of l'ope Gregory V11. it was anncxed to the Holy See, by which it was givon first to the Pianus, and in $1297^{\circ}$ to Jayme 11., kiug of A1ngon. The Cenoese, after many mevious unsuccessfil attempts, conquered the islaud iu 1481, and, uotwithstanding the joint efforts of 1lenri II. of France and the Turks in the IGth century to deprive them of it, held it till 1755. In this year the Corsicaus, headed by Cieneral Paoli, shook of the yoke of the Genoese. The latter, in 1708 , resignad their claime to the island in favour of the French, who, after a desperate resistance from the patriots, subdued it in 176\%. On tho breaking out of the French revolution in 1793 , the patriots, commanded hy Proli and assisted by the Einglish, swept the Frencli from the island, which whe then placed under the protection of the British crown; but in 1796 the French again appeared, and drove ont the Finglish in less than six wcekr. Since then, witls the exception of a short occupation hy the Einglish in 1814, the island has remained annexed to Franco, and this annexation was confirmal by the I'reaty of Paris in the lnst-mentioned year.

The island forms the see of the Bishop of Ajaceio, is under the jurisdiction of the 11 igh Court of Bastia and of the Univeraity of Ajaccio, and forms the I7th Military Division, of which Bastia is headquarters. It is now incorporated with Frauce, of which it forms a departinent.

Tlio Corsicaus is frugal and indolent. The pensent labours littlo; the listleasmems of tho herlsman's employinent recus preferable to a calling which would reuder more exertion necemsary; and of such labour as there is the burden is thrown upon the women. One predominant characterintic of the islanders is the apirit of jealousy and revenge which dividen the iuhabitants of most of the villagen of the lnterior lnto hostile marties or triben The love of personal indepenilence makes the Corsican prefer to bo the executioner of rongeance for him owu wrongs, and nesassination was until lately of frequent occurrenco. These bloon fends have becu greatly checked by the government of Napoleon IIL. Robbery is not uncommon, the central part of the ialand being infosted with brigands. Gendarmerio and troops are posted in detachanents over the islaud, for the purpose of proventing these outrages. The dress of the peasantry of the interior is simple : it consishs, for the men, of a short jncket, brecehes, and gaitern, all of chocolate-colonred cloth; a ueat pointed black velvat cap, or a coarse woven cap of the smmo colour as the rest of their dress, with perhaps a sort of cowl which gres over the head, or
is allowed to hang at the back of the neck. They generally garry a loaded musket, and have commonly a stiletto conccaled about them, though this is prohibited hy the French authorities. There are few peculiarities in the dress of the women: those in the neighbourhood of Ajaccio frequently wear a large round straw hat; those near Bastia have the head covered with a sort of veil, like the Italian peasantry, The villages are chiefly huilt on eminences: the houscs are mere huts of four walls covered with a rude roof, and many of them have only one opening, berving for door, window, and chimney. Some are built of unwronght stone, and have a seeond story, the ascent to which is not by a staircase, but by a ladder. The fire, when one is lighted, is in the centre of the room. The furniture consists of stools, benches, and tables of the rudest construction. They use a pine stick for a flambeau or candle. These particulars apply only to the villages of the interior. The religion is the Roman Catholic.
(Dictionnaire de la France; Annvuire pour $\overline{\text { I }}$ A 18 j 3. )
CORTÍA. [CORSICA.]
COlRTE'NA, an episcopal city in Tuscany, in the province of Arczzo, 15 miles S. by E. from tho town of Arezzo, is built on the slope of a high and steep hill faciug the south, and commands a splendid view of the fertile $V a l$ di Chiana and of the Lake of Perugia, the ancient Thrasymene. Its origin is lost in the remotest antiquity. Dionysius sajs that it was originally au Umhrian city, that it was seized by the Pelasgians. Virgil, no mean antiquarian, speaks of the city under the namo of Corythus, and inmortalises the old legend of its foundation by Dardanus. ('Sneid' iii. 167, vii. 206.) It seems to have been tho central stronghold of the Pelasgians and Fitruscans. Its walls which still remain are of the structure called Cyclopens or Pulasgic, consisting of large polygonal stones put together without cenent. About tho middle of the 5 th century of Rome we find Corytum allied to the latter, and it renained faithful to its alliance during the second I'unic war, when Hannihal ravaged its territory beforo the hattle of the Lake Thrasymene. Little is known of its subsequent history, cxcept that according to Dionysius it received a Roman colony most likely in the time of Sulla. History is likewise silent about Cortona, after the fall of the cmpire, until the end of the 12 th century, when it appears as an independent municipal community, liko most other Italian cities at- that time, having its consuls, and its council composed of nobles nnd head tradesmen. The city became an episcopal see in the early ages of Christianity, hut in the 13 th century tho bishop of Arezso claimed spiritual jurisdiction over it. It was repeatedly at war with its neighbours of Arezzo, who plundered the town, and raised the castle in 125s. It afterwards hecarme suhject to a powerful fanily called Casali, whe assumed the title of Vicars General and Lords of Cortoua for nearly a centnry. In 1409 the citizcus being dissatisfied with their lord, called in the Neapolitan troops of King Ladislaus, who put to dcath Casali, took possession of Cortona, and then sold it two years after to the Florentines for 60,000 golden florins. From that time Cortona has remained subject to Florence.

The city with its suburbs contains 5000 inhabitauts. It still gives titlo to a bishop. Its territory is very fcrtile, espocially in wine, corn, olive and mulberry-trees. The high read from Florence to Perugia passes near Cortona.

The cathedral, bnilt in the 11 th century, has some good paintings, and a fine basso-rilievo of the Roman time. The other churches and convents are also rich in paintings. There is a diocesan seminary for clerical students, a college kept by the fathers of the Pious Schools, a conservatorio for female education, kept by nuns, and a drawing school. Tho Academia Etrusca, founded here in 1726 , has published several volumes of memoirs on Etruscan antiquities, aud has a library with some valuable manuscripts, and a museum. Thero is in the nuburbs a remarkahle Etruscan monument, supposed to have been a scpulchre, of similar construction to the city walls; it is named Tanella di Pitagora, Cortona being confounded with Crotona, the renidence of Pythsgoras.
(Dizionario Geografico Storico della Toscana: Valéry, Voyages Littéraires en Jalie; Denis, Etruria.)
CORUNA (in English commonly written Corunna), a city and seaport of Spain, capital of the modern province of Coruna, one of the divisions of the ancient province of Galicia, is situated in $43^{\circ} 22^{\prime} \mathrm{N}$. lat. $8^{\circ} 21^{\prime}$ W. long., 42 miles N. by E. from the city of Santiago. The population in 1845 was 18,840 . The city is built partly on the eastern side of a small peninsula or headland, and partly en the isthums which joins the peninsula to the mainland. It consists of an upper town and a lower town. The upper town oecupies the peninsula; it is the more ancient, and contains two old parish churches. The lower town occupies the isthmus, having on one side tho Bay of Coruña, and Orsan Bay on the other. The lower town, formerly called the Pescaderfa, or Fish-market, is comparatively modern, and is well built, mostly of granite. The two principal strects are wide, well paved, and handsome. The houscs are furnished with halconies. Tho town contains a courthouse, custom-housc, theatre, arsenal, and barmacks. It is defended by a citadel, and is otherwise sufficiently fortified to rcsist an assault, but is commanded by nome heights to the southward near the walls. Tle Bay of Coruna forms the harbour, having the entrance between San Diego Point and
the headland on which the upper town of Coruña is situated. The river Mero enters the botton of the hay by a ria, ol aestuary. The harbour is of great extent, has deep water, and is very safe. The inhabitants are chiefly occupied by the herring and pilchard fisheries on the coast, and there are some manufactures of linen and woollen goods, hats, cordsge, sail-cloth, and cigars. Ship-building is also carried on. North of the town on an elevation of the headland is the Tower of Hercules, an ancient 1Roman structure, probably a pharos, now converted into a modern lighthouse; it is of a square form, 92 feet high, and the walls are more than four feet thick.

Coruna was founded by the Phouicians, and was afterwards taken by the Romans, who called it Ardohricurn Corunium. The Spanish Armada was reftted here in May, 1588, and 130 ships mounting 2630 guns sailed out of the harhour in June in order to mako the conquest of England. The French army under Soult was here repulsed by the British army under. Sir Johu Moore, who then received his denthwound, Jau. 16, 1809 ; his hody wrapped in a military clonk was interred the same evening by the officers of his staff in tho citadel of Coruña.
(Ford, IIandbook of Spain; Napier; IIistory of the Peninsulas. War.) CORVO. [Azones.]
COILWEN, Merionethshire, a town and tho seat of a PoorLaw Union, in the parish of Corwen and hundred of Ederniou, is situated on rising ground on the right bank of the river Dee, in $52^{\circ} 58^{\prime} \mathrm{N}$. lat., $3^{\circ} 20^{\prime} \mathrm{W}$. long. ; distant 12 miles N.E. by E. from Bala, and 194 miles N.W. by W. from London hy road. The population of the parish in 1851 was 2069. The living is a sinecure reetory and a vicarago in the archdeaconry of Montgomery and diocese of St. Asaph. Corwen Poor-Law Union contains 15 parishes and townships, with au area of 65,900 acres, and a population in 1851 of 15,409 .

Corwen is a small hut neat town; its situatiou ahove the river imparts to it a pleasant appearance, and also contributes to its salubrity. The towu is supplied with water. Corwen is regarded with interest by tho Welsh as the scene of two victories over the English, one iu 1165 hy Owen Cwynedd over Henry II., and the other by Owen Glyndwr over Henry IV. In the vicinity of the site of Corwen a British or Welsh post existed: it consisted of a circular wall a mile and a half in circumference on the summit of a steep hill, and a circular hahitation nos in ruins within the inclosuro. The parish church, a neat cruciform buildiug, stands in a picturesque situation immediatcly at the foot of a rocky precipice, forming part of the Berwyn Mountains. The Calvinistic and Wesleyan Methodists, Baptists, and Independeuts have places of worship. There are a parochial school for 150 children, and a readingroom. Corwen posscsses an endowed hospital for widows of clergymen.
(Parry, Cambrian Mirror: Cliffe, Book of North Wales; Land We Live In, vol. ini. ; Communication from Corwen.)
$\operatorname{COS}$ (Kَ̈s), an island in the Archipelago, belonging to Turkey, tho modern name of which is Stanco, or Stanchio. It lies in the mouth of the Gulf of Ceramus; its principal city, which was immediately opposite to Halicarnassus, was destroyed by a great earthquake in the Peloponnesian war. (Thucyd., viii. 41.) This city was, in very ancient times, hnilt on the other side of Capo Scandarium (which points up the gulf), and was called Astypalæa (Old Town). The new capital, called Cos , was not large, but well built and picturesquely situated. (Strabo, p. 657.)

Cos was colonised from Epidaurus at a very early date (IIerod., vii. 99), as is indeed sufficiently shown by the worship of Aisculapius, which prevailed in such a remarkahle degree both at Epidaurus and in Cos. (Pausan., iii. 23, § 6.) $\Lambda$ school of physicians was attached to the temple of Esculspius; the great collectiou of rotive models in whieh made it a kind of museum of anatomy and pathology. (Strabo, pp. 373, 657.) A similarity of origin and religion induced the Coans to form a league with Halicarnassus, Cnidos, and the Rhodian Tripolis; and the confederacy celebrated the Triopian rites on a promontory of that name near Cnidos. (Herod., i. 144.) Cos suhsequently came under the rule of the Athenians and of the Romans. The emperor Clsudius made it a frce state, and Antoninus Pius rebuilt the city of Cos after it had been destroyed by au earthquake. The ancient constitution of the island seems to have been monarchicsl. The wines, ointments, and purple dyes of Cos were famous throughout Greece. The climate is delightful. (Leake, 'Morea,' ii. 429.) Hippocrates, Apelles the painter, and Ptolemæus Philadelphus were natives of Cos.

Cos is 23 miles long and about 65 round. It is generally mountainous on tho south and west, but there is a large tract of level fertile land towards the north and east. The population is abont 8000, composed of Turks and Greeks. The island maintains its aucient reputation for fertility. The chief products are corn, cotton, silk, wine, fruits, \&c. The city of Cos still cxists. An unhealthy lagoon marks the position of the ancient hurbour; near it is a Turkish castle, which Christian travellers are not permitted to cnter. In the walls are some elaborate sculptures. The harbour of Cos is much frequented hy merchant vessels.

## COSENZA. [Calabrla.]

COSFORD, a hundred in the south-western division of the county of Suffolk, which has been constituted a Poor-Law Union. The hundred of Cosford is bounded N. by the hundred of Thedwestry; E. by tho hundreds of Bosmere and Claydon, and Sampford; S. by the river Stour, which forms here the houndary hetween the countics
of Suffolk and kieox; and W. hy the hundred of Babergh. The boundaries of Conford Yoor-Law Union are mueh more extensive than those of the handred; the Union contains 25 parinbes and townahipe, with an area of 48,135 acres, and a population in 1851 of 17,791.

COLSLIN, or KUSLIN, a division of l'omerania in Pruasia, comprising the castera pard of thnt province, is bonnded N. hy the Baltic, along which it extends for above 100 miles ; and Li., and S. by the provinco of Weat Iruevin. It has an ares of about 5408 square miles; in divlded into ning minor circles, and coutained at the end of 1849 a population of 413,516. Tho surface in a level, occasionally hroken by slight elevations, and rising into sand-hilla near the Baltic. There are censiderable woods and forests The division is watered by the Rega, rassunte, Wipper, Stolpe, and numerous other streams; it has many lakes, bnt none of any considerable dimensions : several of them lie along the shores of the Baltic, and are separated from them by narrow spits of mondy soil, throngh which some of them find an outlet. Agricultare and graring are the chief pursuits; to these must bo added the manufacture of woollens, cottons, ribbous, leather, iron-ware, glass, paper, tobacco, \&c. Amber is obtained all along this const.

Ködin (formerly Cholin), the capital of the division, and of the prineipality of Camin, is about $\$$ miles from the Baltie, and situated on the banks of the Niesenbecke, or Nesebach, which falls into the ehore lake of Jasnunnd; in $54^{\circ} 12^{\prime} \mathrm{N} . \operatorname{lat}, 16^{\prime \prime} 10^{\circ} \mathrm{E}$. long., and has about 9000 inhahitants. The town, whieh is ahove a mile in length, stands at the foot of the Oollenberg, from which it is supplied with fresh-water. It is well-built, surrounded with a wall, and has four gates and three suburbe. It was formerly the resiclenee of the hishops of Camin, and is now the seat of provincial administration and of the superior courts of judicature. It has a gymnasium and a training school, and manufacture of Russia leather, linens, woollens, hosiery, and tobneco. This market-place contalns a statue in freestone of Frederick William I., who rehuilt the town after its destruction by fire in 1718. On the Gollenberg is $n$ monument commemomative of the Pomeranians who fell in the campaigns of 1813, 1814, aud 1815.
Among the other towns are Celberg, already notied [CoLberg]: Stelpe, another walled town of abont 9000 inhahitants, situated on the river Stolpe, which is navigahle, and has a harbour at its mouth in the Baltic, 12 miles below the town. The town has a castle, manufactures of woollens and linens, and some trade in amber and fohh. Rügenwalde, 18 miles N.F. from Köslin, is situatod near the mouth of the Wipper, and has a population of about 1000 , who nre engaged in the manufactnro of linen, broadeloth, saideloth, and spirits, The town is frequented as a wntering place. It has a castle, baths, two hospitals, a emall harbour, and docks for huilding coasting eraft, Neustettin, 40 milen S. from Köalin: population, 4000. Belgard, 15 milea S.W. from Köllin (populatlon, 3300 ), is the seat of a forest board, and has an old castle.
cosne. [Nievre]
COSSAKS, a people inhnbiting those parts of the Russian curpire which border Turkey, Tartary, Mongolin, and China. The name is derived it is said from the Tartar word Kasak, or Knisaks, signifying lightarmed mercenary horsemon. They were for a long time known by the Cancasian nppollation of Taherkasri (or Cincassinns), and to this dey the capital of the Don Cossaks is called Telerkask. As to descent they appear to he of the nntive lussinn race, intermixed with Tartars and Calmueka. Ruasinn forms the basis of their dialeet; hut there is a considerahle admixturo of Polish, which is explained hy their remiding loug on tho frontier of Poland and serving under the Polish kings The first mention made of them is about the time of the downfall of the Tartar doinlnion in Europe, and they seem to hare spring up in southern Russia out of tho remains of thnt dominion. There, amalgamating with the natives and fugitives from all parts, they formod a kind of militnry ropublie, and gradually extended their power to the lhng and Dnieper, building towns and villages and waging war agninat the Turke and Tartwrs. For the purpose of defence they were clansed into the married and unmarried, of whom the latter devoted themnelves exclusively to the profession of arms, and to plunder. They fortified themselven in their headquarters (ealled a 'Secth,' from whleh females were exeluded) on an Inland of the Dnieper, called Korlitzkol-Ostrof. The mnrried men lived at nome dintanee from the spot in villages, betweeu the Dnieper and Bug. When an ormergency arose they elected a ehief, called attarman, or lotinan, whow anthority terminated with the cesation of the emergency. They furnished troops at their own cost to the Voivodes of the Ckrine in 1570 they accompanied Ivan IV. of Muncory on his vietorious campaigus against the Tarkse, aud on their retara len a colony at the month of the Don. In 1580 the Cossaks aro first meationed an distributed into 'pulks,' or regiments, on the noconion of thelr defending Thbegrin, in Poland, agninst the Thrtare, under the command of Ontafy Dakiewiteh. In 1592 Stephen Bathory, the King of l'olatui, diviled thelr forces into 10 regiments of iufantry and 2000 lorsemen, the lntier receiving pay out of a tax levied apon the rebel peasantry. He alno appointed nn attimana or hetman as chief over them, and hin succemors endearourod on all ocenslons to interpose them as a barrier agkinst the incurvions of the Tartars of the Crimes and Budjak, and hence arose their lmplacable enmlty to the Turks and Tartars. The oncroachmente made on their righte by Sigiomund III. gare rise to a long serfon of contentlons, which ended
by Chmilelnitzk, thelr attaman, soekling the protection of Russia in 1654 , In whose servleo they still remain.
Their troopm are almoot wholly composed of cavalry. The Cosanke form the irregular troops of Runsia, and some of them are enrolled in regiments of the guards and the line. Territorially they are entablished in the banin of the Don and nil along the southern border of Runcia, where they form a military cordon from the Blaek sea nearly to the Sea of Okhotek, protecting the ounpire agalnest, or extending it on the side of, the Circamines, Kirghiz, and other Tartarx, Mongols, and Chinose. The area and population of the primeipal Comank sottlemeuts in Ruropoan Ruscin are as follows (the Ukraine Cosanks aro for the mont part eettled and are not here given):-

|  | Area In Square Miles. | Popelatious in 1840. |
| :---: | :---: | :---: |
| $\left.\begin{array}{l} \text { Tschernemerski, or Mack } \\ \text { Sea Cossaks . . . } \end{array}\right\}$ | 14,364 | 121,100 |
| Don Cossaks . . | 02,2i0 | ;04,300 |
| Asovien Cossaks | 110 | 6,000 |
| Ural Cossaks . | 25,223 | \$3,000 |
| Total | 102,179 | 892,400 |

Besides the settlements indicated there are colonies of Cossaks on the Russian side of the Lower Danube, in the Cancasus, in Astrakhan and Orenhurg, and along the frontiers of Siheria and China; hut we have no means of stating the exteut of their territory or the mmber of the population. The Coseaks also form the bulk of the troops employed in Siheria. The following table gives an approximntion to the number of men afforled by this warlike people to liussin in ordinary times:-

|  | Regiments of Cavalry. | Men. | Piecee of Artillers. |
| :---: | :---: | :---: | :---: |
| Den Cossaks | 58 | 12,000 | 112 |
| Danubian . | 3 | 1,700 | - |
| Techernomarski. | 12 | 9,000 | 32 |
| Caucasian | 18 | 16,000 | 24 |
| Uraliar | 12 | 7,300 | - |
| Orenburg | 10 | 7,500 | 24 |
| Siberian frontier | 0 | 6,500 | 24 |
| Chinese frentier | - | 1,000 | - |
| Astrakhan | 3 | 2,000 | 8 |
| Total | 124 | 93,200 | 224 |

The Cossaks of the Caucasus besides the 9000 cavslry above given furnish also 9000 iufartry, and in the Siberinn towns 24 battalions of 1000 Cossnks each are stationed, making the total of this foree employed in the empire in time of peace 126,200. One Lalf of this force is always kept in readiness for serviec; the other forma tho reserve: the whole however may be called out at ouce, and the strength of the regiments may be augmented at the emperor's pleasure. Every Cossak between the ages of 18 and 40 is liablo to perform military duty. Wach regiment is drawn from one or moro 'stanitzas,' or districts, and overy Cossal is required to supply himself with a horse, arms, and equipments. The young are called out first, nod men of advaneed nge aro retained as the reserve unles they volunteer for field duty. In time of war the period of servico is unlimited; in time of pence it is confined to three years. The Tschernomorski Cossakn, who nre nttached to the eorpe ststioned in the regions of the Cancasnn and Georgia, are almost incessantly in active mervice. The nomiual dignity of Ifetmau-general of all the Cosanks is vested in the Czarowitz, or heir-apparent to the Russian crown. The Cossak receives no pay but when on active service. The dreas of the soldiery in a short veat in the Polish style, large trowsers of deep blie, and a hlack sheepskin cap. Thelr arms consist of a long spear, sabre, musket, palr of pietols, and a whip with a leather thong, which they apply to their enemy's as well so their charger's back. They aro mostly members of tho Iluswo-Areek Church, and are a purcly mditary people.

The Cosake are of middle stature, strougly built, and nblo to endure gront fatigue. They have ehestnut-coloured hair, blue eyes, nad wear the beard long. On service they aleep in the open air; learn almost at a glance the nature of the ground over wlich they lmve to mareh; fall suddenly on fugitiven or isolated detaclumata, nad ranisls as rapidly beforo a ntrong nad orgmaised force; for expertuess in plunder they aro anequalled, nnd pity is unknown anong them. They eleet their own officers, with the exeeption of thowe of muperior rank: themenronamed hy the government. They all bear long lanees, which they handlo dexteronsly. They no exeellent horsemeu: their horses are small, lively, and very hardy. The Cossak regiments which form part of the Imperinl gunrds are of courne well elothed and armed; hut the other regiments nre in general wretchedly equipped, and their miserahle condition atimulates them in time of war to nets of rapacity and barharism which render them the terror of every country they invaide. The Comaks afford great support to the operations of a regular srmy by harassing the enemy's flauks and cutting off his supplics Thoy are paid only whilst on actiro servicc.

On the termination of hostilities they return to their homes, and resume their usual industrial or agricultural employments. Among themselves they are all equal, and all distinctions that existed during the campaign are effaced. In return for their service in time of war, of their manning the forts along the southern border of the empire, and the Cossaks have some small liberty of internal government, the right of fishing, hunting, making brandy, and collecting salt in the salt-lakes and marshes of the steppes; they also hold a very considerable territory.
The Cossaks of the Uliraine are descendants of emigrants from Red Russia, who about the middle of the 14th century sought a place of refuge on the lower Dnieper from the Poles and Tartars. Soon after these settlers were joined by other Russians who fled from the yoke of Poland, and their descendants formed a kind of military republic, which in course of a short time occupied the territory between the Dnieper, the Dniester, and the Bug. Here they huilt towns and villages, whence they made frequent incursions upon the Tartars. The kings of Poland looked upon them as auxiliaries, and granted them lands and several privileges. In the reign of Stephen Bathory their capital was Trekhtimirof, and their hctman's authority extended as far as Kiev. In the 17 th century, as stated above, being ill treated by the Poles they devoted themselves to the service of the Czars, and were then able to muster a force of 60,000 men. Batturine became the residence of their hetman, and Kiev, Poltava, Tchernigov, aud seven other towns became head-quarters of as many regiments, all settled along the Dnieper. Pressed for room they sent out thence colonies to Bielgorod and the vast steppes between the Dnieper and the Don. Thus arose the Slobode Cossaks, of whom there were five regiments; the original stock from whom they sprung were long distinguished as the Zaporogh Cossaks, from their living with respect to those beyond the Catarncts (Porogh) of the Dnieper. Both these diviaions of tho Ukraine Cossalss bore arms, sometimes for the Poles, sometimes for the Russians, and were not content with either. In the reign of Peter the Great their hetman endeavoured to shake off the yoko of Russia by joining Charles XII. Peter punished the Cossaks as rebels; and from this time the hetman-in-chief was a creature of the Russian court till the office was entirely suppressed by Catharine II. The Cossaks of tho Ukraine have lost in a great measure their military organisation, and with the exception of a few privileges they differ little from the rest of the Russians: they number about 900,000 . When France invaded Russiz in 1812 however they equipped at their own expense 18,000 cavalry.

The Zaporogh Cossaks, established on the islands and along the left bank of the Dnieper, formed a very turbulent republic. Their capital was a Setch, or colloction of huts huilt of wood and clay and surrounded hy a kind of rampart. Here on new-year's day meetings were held to divide the hunting-grounds and fisheries, to elect chiefs, and to organise the plundering excurnions for the year. Russia disliked such free-minderl neighbours, and took advantage of their revolt to Charles XII. to inflict such cruelties upou them as drove them into Turkey. Soou tired of their Turkish masters they, with the permission of the empress Anne, returned to Russia and built a new Setch; but their habits of brigandage and their dislike of discipline continued so strong that the Russians destroyed their new Setch, and the inhabitents once more entered Turkey, whero Catharino II. finding them dispersed through the Crimea gave them leave to settle in the Islo of Taman and along the Kuban and the eastern shores of the Sea of Azof. She gave them also the privilege of choosing their hetman, of fishing, and of making brandy, on condition of guarding the froutier against the Circassians. This was the origin of the Tschernomorski, or Black Sea Cossaks, whose chief town is Ekaterinodar. They cxtend along the Kuban and to the foot of the Caucasus. They clothe themselves in sheepskins, and live on fish, game, and the produce of their flocks; but their rich men go richly clad, and have large nnmbers of horses and cattle.

The Cossals of the Don had for their capital a town called Rasdora, which was situated at the northern mouth of tho Don. Towards the end of the 16 th century they admitted among them several Russian settlers, and in tho beginuing of the 17 th century some of the Circas$\operatorname{sian}$ Zaporoghs joined them. A town was huilt on the Don, which was named Tscherkask from the latter, and became tho capital of the Don Consaks. From this town they carried on their forays against Azof, the Turks, and the Tartars of the Krimea. The republican government, which has always been the characteristio of the Cossaks, was here administered with some regularity. The country was divided into nino stanitzer, or districts, each of which annually elected its local hetman and administered its own affair independently. In a popular assembly tho hetman-in-chief proposed matters for public dcliberation, and the people gave their decision. Russia, alarmed at these democratic institutions, placed the Cossaks under a military chancery, presided over by a hetman in name, who is appointed by Russia, and is at the same timo civil and military governor. Indeed the Russians liave succeedod in getting the appointment of the hetman in nearly all the Consak tribes, and the office in now filled in all instances by a Huspian officer. The oapital of the Don Cossaks, which soon became a fourishing town, was destroyed by fire in 1744; a new town, also called Tcherkask, was built in 1805, hut though it is a pretty large place it has not muperseded old Tclerkabk, owing to tho favourable
situation of the latter for trade upon the Don. These are the only towns in their territory. The Don Cossak territory is divided into above a hundred stanitzes: such of the population as have adopted a settled life live in hamlets on the lands of the nobles entirely separated from the stanitzes, which are inhabited by Cossaks only. The Don Cossaks have the right of hunting, fishing, and making brandy (which rights are generally enjoyed by all the Cossaks) in return for military service. They also rear vast numbers of horses and cattle.

From the Don Cossaks have sprung the Cossaks of the Terek, the first settlement of which was established on that river by Petcr the Great ; the Grebenski Cossaks who were driven out of Russia for their robberies on the Volga, and settled among the Caucasian Mountains; and the Cossaks of Astrakhau, who are descended from the regiments sent to defend the frontier against the Tartars.

A part of the horde driven by the Russians from the Volga marched eastward under Yermak or Yermolai-Timofief in 1575 and subjugated a large portion of Siberia, and by their arms Russia extended her sway over the whole of north-eastern Asia. Many of the Siberian Cossaks have bocome peasants; the rest still maintaiu their military organisation, and like the Don Cossaks inhabit a series of stanitzes, each commanded by its local hetman.
The Ural Cossaks are also desceuded from those of the Don, and were originally part of tho horde driven on account of their robberies from the Volga by the Russians in the latter half of the 16 th century. They are a very mixed people however, as tbey have admitted into their number Turkomans, Kalmuks, Persians, Kirghiz, and others whom the fortune of war has put into their hands. Their country is a wild steppe, barren except in a few spots, and where the inundations of the Ural fertilise it. They cultivate gardens aud the vine to some little extent, and the increase of population compels them to attend to agriculturo; but their chief wealth consists in their vast flocks of sheep and in the sturgcon fisheries of the Ural, which were granted to them by the Czar Michael Feodorowitz. Wool and sbeep they export in return for manufactured and other goods. Like all the other Cossaks they Lavo lost their liberties; they are subjected to a military chancery iu which their hetman presides, but which is directed by the military governor of Orenburg. Pcter the Great was the first who abrogated their republican constitution. They often revolted and suffered much in their endeavours to regain them. Under Catharine I. they stooped to petition for a restoration of their ancient privileges, and obtaining nothing they again revalted and joined the famous Pugatschef, who represented limself to bo Peter III. In the cause of this cruel and unprincipled leader they suffered dreadfully, aud at last betrayed him to the Russians. Nevertheless their old liberties were not restored; their artillery was taken from them, their popular assemblies were suppressed, and a Russian garrison wns stationed in their stronghold of Jaik. From Jailk they had hitherto takeu their distinctive name, but henceforth they were to call themselves 'Cossaks of the Ural.' They were allowed to retain their lands and the exclusive right of fishing. Their chief town, Uralsk, is situated near the confluence of Tschagan with the Ural.

COSSEIR, a town of Egypt on the west coast of the Red Sea, in $26^{\circ} 7^{\prime}$ N. lat., $34^{\circ} 21^{\prime}$ E. long., is about 100 miles E. by S. from Kenneh on the Nile in Upper Egypt. The caravans which trade with Arabia proceed from Kenueh to Cosseir through the sandy derert east of tho Nile; the track about two-thirds of the way from Kenneh crozses a rocky ridge, on the east side of which a valley opens leading to the coast of the Red Sea. where Cosseir is situated. Several springs or wells are found on this track. The Ataoni Arabs live in this part of tho country and escort the caravans between Kenneh and Cosseir. Cosseir is defended by a citadel; although there is no harbour at the place it is the chief medium of communication between Egypt aud Arabia. From Cosseir vessels cross over to Jidda, the port of Mecca, or to Yambo, the port of Medina. Cosseir is composed of a small assemblage of poor dwellings, the resident population of which amounts to sbout 1600 ; but there are large storehouses where the caravans deposit their goods. About 6 miles N.W. from the modern town is the villago of old Cosseir.
COSSIMBAZAR. [Moorshedabad.]
COSTA RICA, Republic of, the most southern statc of Central America; occupies the western part of the table-land which divides the plains of Panama from those of Nicaragua It lies between $8^{\circ}$ and $11^{\circ} \mathrm{N}$. lat., $82^{\circ} 30^{\prime}$ and $86^{\circ} \mathrm{W}$. long. On the S.E. it is bounded by the republic of New Granada, from which it is dividod by a line extending from Point Burica (about $83^{\circ}$ ) north by east, to a point a little west of the lagoon of Chiriqui; on the N. it is bounded by the republic of Nicaragua, from which it is divided by tho Rio San Juan from its mouth in the Caribbean Sea to the point where it issues from Lake Nicaragua, and west of that by the southern extremity of the lake itself, and thence westward by au imaginary line about $11^{\circ}$ N. lat., to Salinas Bay on the Pacific Ocean. Ou the E. Costa Rica is bounded by the Caribbean Sea; on the W. by the Pacific Ocean. Its extreme length is about 260 miles, its average breadth about 80 miles. Tho area is about 17,000 miles; the entire populatiou $100,174$.

Coast-line, Surface, dec.-J3oth the eastern and western coasts have a general north-western and south-eastern-direction, but they differ considerably in character. Along the Caribbean Sea the coast is
bonlored by a marrow plain, is littlo indeutal by creeka or bays, and aEonls no large or necure harbour. Port Matina ( $10^{\circ} 20^{\circ} \mathrm{N}$. lat.) at the znouth of the river of the mme nane, though atuall nulf fur frum safe, is the best harbour on this const: it serres as the port of Cartago, nud is occasionally risited by vessels from the West Indios The western conat is much more broken. At its southers extremity is the wide open Golfo Dulce, the low shoms of which are much indented by the numerous atrenms whicla fall into it. Fiarther morth is Port Mantas, and beyoud that is the bay formed by the Mio Estrella: neither of thow appears to bo used by shipping. Moro important is the Gulf of Nicoys, which is nomo distance northward. it has a wide open entranco turned to the sontlisouth-west, but becoures narrower inlaud. It affords good shelter for shipping, is about io miles in length, and coutains several islands Punta de Arenan, on the castern side of the gulf, is one of the best harbours on this jart of the I'acific for vensels nut drawing nore than 10 feet of rater. The P'nuta do Arenas is the port of San Jose, the present capital of Costa Rica. One other good harbour oceurs on this const, Pauta Culebra, which is formed by the rocky headhand called Punta Catalina.
The surfine of Costa Rica comprises for the most part a table-laud with an elevation of apwards of 2000 fect abovo the level of the see. From the rauge of the Cnbegnres Mlountains in Veragua, east of tho plain of Chiriqui, which connects the table-lands of Veragun [New Grasida] aud Conta lica, thero strotches a considerible number of mountain peaks, many of them of considernble height, and a large part of them volcaric. Some of them attrin an elevation of 10,000 feet ; the Volcano of Cartago is said to be 11,480 feet high. Towanls the Caribbean Sen the descent is for the most part nbrupt, but terminating from 20 to 30 miles from the sea, between which aud the basea of the bills is a low, level, and marahy traet, covered with forests and subject to floods. Towarls the Pacific the descent is more gradual ; while the high land advances much nearer to the sen and descenda to it in a series of terraces. A continuous mnge of rolcanic hills extends frem the north-western corner of the tableland of Costa Itica nround the western side of the Lake of Nicaragua The north-eastern extremity of the comutry subsiles gradunlly into the plnin of Nicaragua

The only important river of Costa Ricn is the San Juan, which is common to it and Nicaragua. It issues from the south-enstern extrenity of the Late of Nicaragun, and from that point to its outlet in the Caribbean Sea forms the boundary between the republics of Costa Rica and Nicaragua. It is $n$ considerable ntream and is maviguble for some distance, but a large portion of its courso is shallow or obstrueted by sand-banks and mpils. From ita commeneement in Jake Nicaragus to its nouth, the distance following the windings of the river is 70 geographical miles. The width varies from 100 to 400 fect. The diference of level between the Lake of Nienragun and the Carihbean Sen is 121 feech It is by menns of this river and the Lake of Nicaragua, with a canal from the lake to the l'aeific Ocenn, that it has been proposed to form the Nicaragun line of oommunication between the Atlautic and Preific Oceana At present the Sau Juan is only navigated by flat-bottomed barger. [Nicaragca.]

The other rivern which enter the Caribbean Sean nev vely numeroun, lint all have very short coursea, and none of them is uavigable, The principal are the Matinn, the Purissiun, and the Tortuga The great want of the stato is a ready cormmunication with the Atlantic, nad this it is anid might be met by forming a road about 66 miles long, frorn Snn Joso to the Sarajéqui, a feoler of the San Juan, and by improving the navigation of those rivers, thus enabliug the prodnce of the ropublic to be nhipped at the port of Sin Juan de Nicaragna. The rivers whieh fall into the I'aeific liave all a short course. The Fatrolla, the Arena, and the Laranca are among the more linportant. Several renall lakes oceur on the table-lanel.
Climale, soil, and Productions.-Tho climate of Costa Rica in on the whole snore regular and healthy than in other parta of Central America. There are a dry seamon, which conmences in November and lants until April, and a wet eenson whiel occupics the remainder of the year. The thermometer mrely risea above $85^{\circ}$ or falla below $65^{\circ}$. In the rainy ecruon thunderntorms of a very sovere description are frequent

The woil in of variod quality, but in many parts very fertile. On the more slevated districts there are few forasta, but on the lower declivitien, and eypecially along the eantern conat they are very abundant A gond deal of tienber, eepechnlly Brazil wood, mahogany, and cedar in exportel.

Around the town of Cartago and on the wentern and north-wentern parta of the conntry, wheat is cultivated to mone extent Maize is grown muels more extmpively, and in exported nomewint largely to Chill and Peris. Coffeo is howerer the staple: it is of fine quality, and meeth with a ready male. Tobsceo is rained to mome oxtent on the tablo-lnnd looth for home conaumption and exportation. Sugar is an impmotant artiele in the ngriculture of Conta flica: it in clifiefly grown on tho wentern siclo of tho country, and exportal from Punta de Arenas Cucso, Indlgo, \&ce are also grown. All the artielee peculiar to Intertropleal reginns neo prodnoed alnundnotly except cotton, the rine, and cochineal, which are deatroyed by the heary ralise Agriculture however, though it in upon lit agricultusal produco that

Costa lkios is chiclly dopendent, is in a very lackward shite, and the Capabilitics of the moil aro very far from having been made fully available The mnst common fruith aro apples, peare, peaches, \&c. Of vegetables the loguminous kinds, as pens, benns, lontile, \&a, aro the most cemmon. There are some good pasture lande, aud along the Sau Junn cattle forms nu important part of the wonlth of the conntry. Ilumen anil mulen bro bred, but not in largo numbera Swino aro raisel in tho low distrieta. Sheep are tolerably abundant on the table-land. Poultry are brod in grent numberm.
Fish are very pleatiful aleng the coasts and in the rivers. In the Gulf of Nicoya pearls and the pearl-shells are obtained; also a ahellfish which yiolds a purple dya.
Several inetals are said to exist, but gold is the ouly one which is worked. The most important gold minea nro those of Aquacto not far froin the Gulf of Nicoya and Ieel del Moute. Coal is roported to have been found, but it is not worked.
The manufneturea aro coufined to tho coarser articles of home consumption. They consist chiely of cearto cottou goods, common hats, conrse carthenware, firnituro, wooden utensils, \&c. The commerea appears to be stendily increasing. The exports cousist of coffeo, of which 150,000 ewts wero exported in 1818 ; hides, nbout 10,000 annually ; with mahogany, cedar, Nicaragua wood, sarsaparilla, mothorof pearl, and a small quantity of pearla, Grain, fruit, drugs, cattle, and poultry, and rarious miscellaneous articles likewies form a part of the exports. The total annual value is estimated at upwards of a million dollars. The importa amount in value to about threofourths of the exports. The exports are chielly made in British vossels All the shipments aro rado fivm the Pacifio ports, and mostly from Punta de Arenas. Tho exports are chiefly to the northern statos of Central America, Chili, Pern, and the West Indies. The inports from Great Britain consist principally of cotton goods, woolleus, hardware, autl other dry goods. Crapes and other China goods are bronght largely in American ressels, as well as coarse atufio Silks, bruudica, nad trinkets are brought from lirance; wines from Spain. A conmercial treaty was mado with England in 1850.

Divisions, Tocns, dec-Costa Rica is divided into six departmentsSnn José, Cartago, Heredin, Alajnela, Guanaceute, and P'unta de Areuas, The only towns of any importanco aro the capital, Snu Joso; Cartago, the fermer capital ; and Alnjuela and Villa Vieja on the western consto San Jose, the capital of the republic, population about 16,000 , stands on the elevated tablelaud, $9^{5} 46^{\prime} \mathrm{N}$. lat. $8 f^{\circ} \mathrm{W}$. long. Its site is said to be 4500 feet above the level of tho sea. It is a moderu citr, haviug growa up since the declaration of independence; and though the seat of the gevernment, legislnture, and courts of justice, as well as of tho bishop, it has uo buildings of any beanty or importanea, It is howover a busy commorcial town. It comasuuicates ly a cartrond 72 miles loug with lts port, Punta de Arenas, which is also a thriving place, being thio prixcipal port of Costa Hica.
Cartago shauds at the base of the Volcano of Crrtago, about 16 miles E. by S. from San José : population abont 5000 . It was ouce the enpital of Costa lhica, and a place of some comracrcial an woll as political censequeuee, but in both respects it has given way to Sau Jose. In 1841 it was almost entirely ruined by an cartliquake, which destroyed seven out of its eight churchos and ucarly 3000 lionses. It bas never recovered from the calamity.
Alajucla, population, including the surrounding district, abont 10,000, stands nenrly midway between San José and Punta do Arenas, and is a place of sone trade A gooll denl of nugnr is ruised in the ricinity. l'illa l'ieja, nbout 7 miles W. from San Jos\&, is likewiwo n place of some trade. Curridalast, Assari, Paraiso, Herodia, Barla, and Fsparza ure other towns of noro or less consequence.
Gorernment, dec.-The governuzent is in the hands of a president elected for six yeara, nad a legiblative nssembly consisting of 12 deputies elected for threo yearm. The revenue, dorived primeipally from a duty on tobacco and apirits, land sales, staups, \& © Ca, amounts to abeut 120,000 dollara. The state has no debt either forcign or domeatic, and it has happily enjoyed latermal and oxternal peace for several years. Tho chief court of justieo is the Tribuual of Sau Jowd, whleh is preaided over by seven judges. The militia consista of 5000 men, of whom 200 are called upron at a time to form the army ou cluty.
The white inkalitants of the republio are relatively more uumerons in Costa Rica than in tho other republice of Central America: the Indinos, or inulattoes, aro also numeroue They are chicfly ectled on the western wide of the tallc-land. The enstersi side of the country is occupled by the Indians, who number nbout 10,000. The Rornan Catholie is the established religion, but other forms of worship are permitted. The chureh in presided over by the Bishop of San Jose.
I) uring the Spanish occupntion of this prrt of America, Costa lica formed a part of the kingdom of fiuntemala. After the declaration of independence by the Spanish American colonies, September 1821, it remained for a short time uuitod to the Mexican kiugdoru of Iturbe; but when the now ferdeml waion of the Unitorl States of Central America was established in 1823 nfter the model of the United States of North America, it formed oue of the united statos. On the dissolution of this floct-lived union, Costa Rica becume an independent republie, and has eo continned cver since.
(Iinefkine, Central A merila; llyam; Baily, Central America, \&c.)

COSTROMA, a provinee in the eastern part of Russia in Europe, forming a portion of Great Russia, and situated between $57^{\circ}$ and $59^{\circ} \mathrm{N}$. lat., $40^{\circ}$ aud $48^{\circ} \mathrm{E}$. long. Its area is about 31,655 square miles : the surface is in gencral level, and tho soil produetive; the northern parts of the province arc full of swamps, and the southern sandy. The Volga euters Costroma a little above Yaroslaf, in the south, and traverges it in a uorth-westerly dircetion: the Costroma and Unsha, or Ounya, as well as the Vetluga, which fall into the Volga on its left bank, drain the uorthern, eastern, and sonthern districts. There are several lakes; the largest, that of Galitsch, near the town of that name, is about 10 miles long and 5 miles hroad; and the Tshuklonea, farther north, is upwards of 5 miles in diameter. The inhabitants are active agriculturists; though they import wheat, they grow more rye than they consume, together with much hemp and flax. The land is full of large forests, which are principally crown property. The bear, lynx, wolf, and fox are common. Little attention is paid to the breeding of cattle, but the fisheries are carried on vigorously, and yield salmon, sturgeons, \&c., in large numbers. There are considerable manufsctures in the prorince, particularly of lineus, woollen cloths, cotton, Russia leather of superior quality, brandy, and mats; the majority are established in and about the capital. The population of the province was estimated in 18413 at $1,054,600$. Two-thirds of the rural population are vassals of the nobility, who are the great land proprietors. In summer great numbers of mechanics lcave their homes in quest of subsistence in other quarters. The province contains ten circles. It is an eparchate, or bishopric, styled the Eparchate of Costroma and Galitsch. The revenue derived from the province amounts to about $150,000 l$. sterling in the year. The principal towns, besides Costroma, the capital, are Galitseh (about 6500 inhabitants) ; Makariew, the town next in importance to Costroma for its trade (3000); Yurgowetz-Powolskoi (2600) ; Sol-Galitzkaja (3500); and Kinischua (2500).

COSTROMA, the seat both of the civil government of the province and of the military government of Costroma and Vladimir, is agreeably situated at the conlluence of the Volga and Costroma, or Kotorosla, in $57^{\circ} 45^{\prime} \mathrm{N}$. lat., $41^{\circ} 12^{\prime} \mathrm{E}$. long., about 325 versts (about 217 miles) N.E. from lloscow. It is said to have been built in the year 1152 , and was united to the grand duchy of Moscow by Ivan Vasailjewitsh I. A wall of earth, which has beeu converted iuto walks, surrounds it. The upper part of the town covers a height, on the summit of which stands a cathedral, a handsome edifice, surrounded by trees and showy buildings. Below this upper town, and above the lower town, is auother quarter, built entirely of stone; and along the high banks of the Volga runs tho third quarter, conaisting of a long line of neat houses of wood and stone, relieved by the trees and gardens interspersed between the buildings. Costroma contains upwards of 50 churches and chapels, and two wealthy and spacious inonasteries. One of these establishments, that of Ipatskoi, founded in 1330 , is celebrated as having been the spot from which the Czar Miehael Fedorovitsh Romanoff, the founder of the present dynasty, emerged in 1613 to assume the sceptre of Muscovy. The Bishop of Costroma has his residence in this monastery, which is inelosed with a stone wall. There is a Tartsr suburb and mosque outside the walls. Costroma is an affluent and thriving town; it contains about 14,000 inhabitants. There are here a bell-foundry, and manufaetures of linens, Prussian-blue, sealing-wax, soap, leather, bells, \&c. Costroma has several periodical fairs.

COTE-D'OR, a department in France, is bounded N. by the department of Aube, N.E. and E. by the departments of Haute-Marne and Haute-Saone, S.E. and S. by those of Jura and Saône-et-Loire, and W. by those of Nievre and Yonne. It lies between $46^{\circ} 55^{\prime}$ and $48^{\circ} 3^{\prime} \mathrm{N}$. lat., $4^{\circ} 2^{\prime}$ and $5^{\circ} 29^{\prime} \mathrm{E}$. long. Its length is, from north to south 77 miles, from east to west about 70 miles. The area of the department, according to the official returns of 1851 , is 3332.65 square miles; the population in tho samo year was 400,297 , or $118 \cdot 33$ to a square mile, being 56.38 below the average per square mile for the whole of France.

Coted'Or is one of the four departments formed out of the old province of Bourgogne, and comprises the districts of Auxois, Auxonnais, Nuyton, Beaunois, and La Montagne. The surface is crossed by a chain of hills which forms the connecting link betweeu the Cévennes and the Vosges Mountains, and separates tho basin of the Seine from that of the Sadne. Leaving the Covennes at the source of the river Dheuno, which forms part of the southern boundary, the chain ruus north-east to within a short distance of Dijon, where it is croseed by the road from Paris to Geneva, and by the Paris-Lyon railway; from this point it tends to the north-north-east, and joins the plateau of Langres (on the borders of Haute-Marne), which is connected at its north-eastern extremity by the Faucilles Mountains with the Vosges. That portion of the chain which extends from the neighbourhood of Dijon to the Dheune is properly called Côte-d'Or or Golden Slope,' in allusion to the richnees, delicacy, and value of the wines produced on its eastern and southern declivities; but the name bas been extended to the whole range, and hence to the department itaelf. From the southern extremity of the range, a ehain runs northweat under the name of tho Morvan Hills, and forms part of the waterahed betwecn the Seine and the Loirc.

On the north-western slopo of these mountains are tho transverse GEOO. DIV, YOL H .
valleys of the Aube, the Ouree, and the Seine, separated from eaeh other by wooded hills. Farther south is the valley of the river Armançon, which rising in the angle betweeu Côte-d'Or and the Morvau Hills, flows uorth-west to the Yonne, a feeder of the Seine. From the southern slope of the Morvan Hills the Arroux flows south-south-west to joiu the Loire. The Ouche rises in the Côte-d'Or opposite the source of the Armazçon, and flows north-east to Dijon, and thence east by south on its way to the Saône. The eastern slopo of the Cote-d'Or stretehes towards the SaOne, which flows through a longitudinal valley of great extent and fertility, and is uavigable. At a little distance froin the crest of the msin chain the slope breaks up into ranges of calcareous hills, which however soon sink down into the valley of the Saône. Several rivers of short course and sinall volume enter the Saône from the right bank.

The Canal-de-Bourgogne, or Canal-de-l'Est as it is also called, has the greater part of its length in this department. It leaves the Saône at St.-Jean-de-Losne, and is carried by a tunnel 2 miles long through the mountains south-west of Dijon; from this point it runs first south-west along the right bank of the Ouehe, then turning north-west it reaches its summit level at Pouilly, beyond which it runsalong the Armançon to its junction with the Yonne in the department of Yonne. The Canal-du-Khone-au-Rhin commences iu this department, also in the Saône, a little above St-Jean-de-Losnc. By means of these canals, and by the Saône and the Canal-du-Ccntre (which leaves the Saône at Chalon) the department has water communication with the Mediterranean, the German Ocean, the English Chamael, and the Bay of Biscay. The department is also traversed by nine state and fifteen departmental roads; and by the railroad from Paris to Lyon, which has a considerable part of its length in this department, passing through Montbard, Dijon, Nuits, aud Beaune. A railway is projected to run south-east from Dijon through Dôle to Salins near tho Swiss frontier.
The valleys and plains of the department are fertile, especially in the east and south, and they present a great variety of culture. The fields aro very generally inelosed by hedges. Wheat, maize, rye, barley, and oats are raised in large quautities, so as to afford a considerable surplus for exportation. Hemp, flax, oleaginous plants, fruits, mustard, and all kinds of kitchen vegetables, are extensively cultivated. The ground is tilled in the plains by the plough, in which oxen and horses are used; but ou the hills spade-culture is the system universally prevalent. A large portion of the department is laid out in grass-land. Considerable numbers of horses, sheep, and cattle are reared. Assea are partially used in farm labour. Pigs are very numerous. Bees are carefully tended, and a good deal of honey is made. Game and fish are plentiful. But the most important souree of wealth to the department is its vineyards, especially those of the Côte-d'Or properly so ealled. This favoured distriet is divided into two partsthe Côto de Nuits or Côte Nuitonne, extending from Dijon to Nuits; and the Cote Beaunoise, from Nuits to the Dheune. The former is famous for its red wines, the most renowned of which are those called Romanéc, Vougeốt, Chambertin, Riehebourg, and Nuits; while the latter produces both red and white wines, which for flavour, delicacy, and perfumo are not surpassed in the world; but they do not bear transport so well as those grown on the Nuitonne slope. Among the red wines of the Beaune slope the most famous are those called Volnay, Pomard, Beaune, La Peyrieure ; and among the white, Meursault, Montrachet, and Goutte-d'Or. Besides these famous Burgundy wines, a good deal of wine resembling Champagne is manufactured in the department and sold as such. The annual produce of all the vineyards of the department amounts to $11,336,000$ gallons. The Paris-Lyon railway, which skirts the eastera base of the Côte-l'Or south of Dijon, passes several of the most celebrated of these vineyards.

The department ranks the first in France with respect to the extent of its forests, in which oak, beech, and elm are the principal trees. The upper part of the Côte-d'Or mountsins are covered with forests. The ehestnut does not flourish. The extent of forest-land however is greatly diminished within the last fifty years, in consequence of so much timber being eut down to make charcoal for sinelting purposes. The elimate is bracing, puro, and healthy; the cold is sometimes very great in wiuter. The maximum summer heat is $86^{\circ}$ Fahrenheit. The whole area amounts to $2,164,899$ aeres. Of this surface $1,129,530$ acres are capable of eultivation, 155,605 are meadow and grass-land, 05,166 are under vineyards, 616,864 are covered with woods and forests, and 14,848 with orchards, uurseries, and gardens.

Iron, coal, marble, millstones, limestono, gypsum, potter's-clay, \&c. are found. The iron-mines, which lie ehietly in the mountains in the north-east of the department, are amongst the most productive in France; the ore is converted iuto malleable irou and steel at 88 hlast-furnaces and foundries chiedly by means of charcoal near the mine-mouth. There are 292 factories of various kinds in tho department, the products being lineu, woollen eloth, blankets, cotton and woollen yarn, beet-root sugar, brandy, vinegar, paper, seed-oil, beer, leather, and earthemvare. The commerce of the department consists in the agricultural and industrial products alrcady named, and in wool, hides, timber, oak-staves, hay, fuclwood, nails, and whetstones. About 400 fairs are held annually.

Tho departmont is divideri into 4 strondimements, which, with thoir mubliviaion and population, are as follows :-

| Arrondlssements. | Castona. | Commancs. | I'opulatien in 1851. |
| :---: | :---: | :---: | :---: |
| 1. nijar . | 11 | 207 | 131,331 |
| 2. Bearno | 10 | 202 | 124,200 |
| 3. Chatllon-sur-Stiac | 6 | 116 | 31,073 |
| 4. Sémur . | 6 | 113 | 70,0,85 |
| Total | 96 | : 28 | 400,297 |

1. In the first arrondissement the chief towns ane Disos (tbe capital of the department) and Acxosse. Among the othor towns, oll of which are small, the following may be ammed as they give names to cantons:-Fonsaine-Francaise has blast-furnnces, breweries, and potteriea; near it llenri 1V. defested tho Dnke of Mayenne in 1595. Is-mur-Tille, on the Ignon, has iron-works and a workted factory. S.-Sciner Abbaye owes its origin to tho abbey founded here by St. Seine in 586, mind has one of the finest chnrehes in the department. Selongey, on the Venctte, a feeder of tho Saone.

2 In the second arrondinement the chicf town is lieaune. Tho other town are:-Amay.le-Duc, near the left bank of the Arroux, Which is a place of some maunfacturing industry, with a college aud 2511 inhabitants. Niuits, a first-clasestation on the Paris-Lyon milway and a pretty littlo tomn 9 miles N.F. from Beanno, has 3175 inbabitanta, who manufacturo cloth, leather, and paper, but are chiofly engrged in the cultnre of tbe vinc. Seurre, in a plain of great fertility on the loft bank of the Sadne, which has a collcge, oil and flour mills worked by stcam, tanneries, n shawl manufnctory, baatbuilding Jards, and $\$ 612$ inlabitants, who trade with Almace and Switzerland in corn, chareonl, wine, hay, \&c. St.-Jeande-Losme, ou the right bank of the Enone, wibich trades in sitnilar produco, and has a tribanal of commeree and 2184 inhabitants. Meuraull, 5 miles by railway S. from Benuno; Nolay, the birth-place of Carnot; and Pouilly, near the sonrco of the Armançon, are small places which give names to castons.
3. In the third arrondissment the chicf town Is Chatillon-sur-Seine, the capital of La Montsgne, which etands on tbo Sclnc, in a hilly country, and has tribumals of first instance and of commerce, $n$ college, and $4 S 00$ inhabitants, including tbe wholo communc. It ls a wellbuilt ingroving town, with clcan well-paved streets. It formerly consisted of two towns seprated by arms of tho Seine. Onc was called Bourg, the other Chanmont; cach wra inclosed by its own wall and ditches, and further defended by a castle: the castle of Chaumont was called Chatclot, and still remains. Tbo tomn-hall, which is nurrounded wltb public gardens ; the court-house, established in tbe old Carmelito convent; tbo church of St.-Nicbolas, which dates from the 12 th century; tho church of St. Vorl6; and tho castle of Chanmont, which is surrounded by a finc park traversed by tho Scine, aro tho mont remarkable bulldings. Tbe town has a library of 7000 volumes; blast-furnices and iron-foundries; paper-mills; tanyards; brewerica; corn, fulling, and bark milla, and brandy distillerics; it in a place of active commerce, being tbe centro of a very lmportant iron district. The early dukes of Eourgognc usually resided in Chatillon A ignay-le-Duc; Laignes, at tho sonree of the laignc, a feeder of tho Sclne ; and Recey, ou tho Ourec, are small places which give names to tho other cantons, aud, like most of the villages in tbis arrondisement, harc iron-foundries and blast-furnaces.
4. In the fourtb arrobdinsment the chief town is Simur or Semer-en-Aurais, whlch is built on a granlto rock on the lcft bank of the Armancon, 85 miles W. from Dijon, and has 4355 Inhabitarts. The town, which is well built, is divided into three quarters-the Bourg, the Donjon, and tho Chatean; and has four aquares and three handsomo promoundes. Tho chnreh, built $\ln 1005$ by Itobert $1 .$, duke of Bourgogne, is tho most remarknblo building; it contaius many antiquitien, and has beeu classed among the bistorical monu. racnte of France. Tho town lias a collegc; a library of 15,000 rolumen; a emall theatro; and inanufnctures of cloth, sergo, woollen and cotton yarn; bemiden tasyards, lark and fulling mills, \&e. In the environs, which are rery pretty, the Armançon forms seversl cascadca. Montbard, the birthplece of Bufon, at the junction of tho Canal-dc-Bourgogne and the Erenne, a feeder of the Armançon, in in first-clase station on the Paris-Dijon railway, and a place of nome trado: popnlation, 2215 , incluiliag tho Wholo cominunc. Cauliew, the birtlplace of Vnubau, 15 milea 8 . fmm Sémur, is a walled town with a tribunnl of commerco, a college, and 2222 inhabitante, who tralo In corn, hernp, wool, timber, fuel-wook, olarenal, oak-ntares, dic Marigny, eant of Sémur; liffeakr, a pretty Vitln cown on the Pronne; and Préep-sous-Thil, on tho Serein, a foeler of the lonne, giro names to the other cantons.

The departineut forms tho meo of the lilshop of Difon, la mder the jurtaliction of the 11 i h Court nad Vnivcratty of Jijon, and is comprised in the Tth Jlilitary Dlvilion, of which Benançou Is hendguartorn.
(Thictionnnire de la Prance; Annuaire nowr Cin 1853.)
COTENTIN, or COT $\bar{A}$ AITIN, an olel ilintrict in Frasre, whtcll nove forms the grenter $f$ art of the departrout of Manclic. It la liontical with tho ancient Conslanfinus Fingu, whicli took ita name from ita capital, Consfanfic, now Coutances Cotentin is a penlnala, cxtendlng
northward from tho noighbourhool of Granville into the l:agli in Channol, lay which it is boundad on the sorth, the west, and crat; on the soutb lies the dintrict of Arranchin. It is watersl in the nouth lyy the Somlle and ita feeders, in the north by the Douvo, and in tbe enst by the Viro, wlasels divilen it from lleasin and the Bueage, wbich aro uow included in the dopartmont of Cnlvalos. Tlbe strata am chiefly of granito and clay-alato, and the soil is fertile in grain and panture. Such butter is made, snt many liorwes of good breed are reared: poultry is abundant. Tho quantity of woodland is not grent; there aro no vineyards, but cider is made in conciderablo quantity. Hemp and flax aro grown. Tho chiof towns of Cotentin aro-Coutances, tho capital, Cherbourg, Graurille, and Valogaea [Mancen, Depart. ment of.]
COTES-DU.NOLRD, a depmarment iu the worth of liranoo, is bounded N. by the Bay of St-Malo, an inlet of the English Channol, E. by tho department of Illo-ct-Vilaine, S. by tbat of Morbilian, and W. by that of Finistore. It lies between $43^{\circ} 2^{\prime}$ aud $43^{\circ} 53^{\prime} \mathrm{N}$. Intr, $1^{\circ} 53^{\prime}$ and $3^{\circ} 85^{\prime}$ W. long. Its grentent length is from east to wort If miles, the breadth from north to sonth varien from 25 to 50 miles. Tho area ncoording to the cadnstral returns of 1851 is 2659 squaro miles. The propulation in 1851 was 682,613 , giving $23 \% \cdot 91$ inhabitaute to tho square mile, which is $63 \cdot 2$ above tbe average populatiou per square milo for the whole of France.
The department comprises the old diocese of St-13rieno and a part of the diocese of St,-Malo (now forming the arrondismement of Dinan), which belonged to Middle Bretagne, and of almost tho whole of the dioceso of Iroguier, and a smanli portion of that of Quiniper, which geographically and politically wero dependcnoies of Lower Brotagne. It takes its namo from lis position on the 'uorthorn coast' of 'rance.

The const line (which is vory irragular), reckoning all its windingn, is about 150 miles in leugth, and presents to tho sen a bold wall of granite rocks, which inclose numorous bays and harbours, and form sevoral bold headlands. Tbe principal bay is that of St-Brieuc. Of the headlands or poiuts the following succeod onch other from enst to weat:-Poiute St.-Cast, Cap Frehel, Pointo d'Ierquin, Poiuto-de-Port-de-Pomme (these two are at the extromitice of the Bay of St.-Brienc), Pointe de Plounze, Pointo de Minar, Pointo do Milfaut, Pointo du Sillon, and Pointo do Chion. The coast is studded with small islands and rocks; lle d'Embier is near the Poiuto de Sitr-Cant, Los Verdelcts in the Bay of St.-Bricuc, the He St.-1loui and tho Iles do Brehat betwoen the Pointe de Milfaut and the Poiute du Sillon, the Ile d'Er betwoen the last point and the lointe de Chlen; the lle de Gueltat, Ilo Thomé, the llem Melban, Platte, Niouzoi, and the others of the gronp called Lea Sept-lles (the Seven Islands), Les Triagons, tho 110 Molcnes or Molenoe, and Le T'sureau, aro to the west of Pointe de Chien.

A district called 'La Cinctura Dorse,' or the Golden Belt, which oxtends along tho const and about 8 or 10 miles inlaud, is of great fertility, producing largo quantities of wheat, barley, hemp, flax, clover, and all kiuds of tablo vegotables. Sea-weed, which in fouucl in great abundance on tbo annds at the foot of the rooks on the reashore, is commonly used for manure iu this distriot.

The Armoric Hills, which cross the middle of tho department from cast to west, have a breadth from north to sonth of nbout 16 milen, and in their culminating point, Mount Mener, reach a beight of about 1200 fect. From their highest summit these hills are somotimen crlled the Mener Mountains, sountimes also, iu consequence of their barren heathy aqpect, they are called Montague Noires, or Black Monntains. Tho Armorio llills aro in genernl barren and ntony; they aro brokeu ly narrow gorges here aud there, and send forth numerous spurs to tho north nud south, which sink gradually down into two liungry sandy plaiss, the nortbern one of which oxtends to tho nontliem border of the Golden l3clto

In the Interior of the department, where the farmers have neither sea-weed nor limo to manure their land, agriculture is in a very backwarl stato, and tbe peoploare stecped in poverty and misory, which aro incrensed by tho decay of the liues traide. Here ryo and oats are grown; draught horses, homod cattlo of inferior breed, and goate are rearod ; a good many sheep aro kept, but as they aro chiefly pasturod on Leathlaad they aro small, wretched, and feeble in the oxtreme. Tho cider apple-treo is extensively cultivated ebroughout tho department, to tbo neglect of all other trees. Anong tho Armoric Mills tbore are some good forcsts; but in general the rauge presents large tracts overgrown with broom, gorse, holly, evergreens, aud other unproductivo ebrubs.

Among the wild animals of the departmeut are wolves, foxes, badgers, roobucks, and wild boars; bares and mbblts aro numoroms; along the coant anel in the adjaceut inlands tho nmaler of laud nux soa birds is prodigious. Tho deep wen finbery affords employment to a great unmber of hands, and eeveral veneels aro fitted out from the comat towयs for the Newfoumlinnd fishorios, no that tho dopartimont furnlshen a largo number of experionced semmen to tho lirench uavy.

Irou mlnen aro worked, and a goorl deal of pig and bar iron is manufnctured. Lead also is found; slates and granite aro quarried, In tho iron fnrmaces the oro in molted and comrortod into innalleable Irous generally by manins of clanconl ; where conl is used it is imported from England or Bulgimn. Salt in made at soveral jlaces on tho coanh.

The linen manufacture, introduced in the 15 th century by the Baroness de Quintin, a Flemish lady, has since continued the staple trade of the department, and though it has declined of late years it is still considerable. Its former importance may be estimated from the returns for the year 1936, wheu the uumber of weavers employed amounted to 8539 , who produced in that year $8,358,000$ yards of linen cloth, representing a money value of $11,144,000$ francs. Linen forms the clothing of the poorer clnsses of the population both winter and summer; and it is largely exported to Spain and South America. Other articles of cxport are cattlo, horses, tallow, salt butter, honey, Wax, \&c. About 425 fairs are held in the jear. The number of wind and water-mills amounts to 1822 , of iron furnaces to 20 , and of fictories of various kinds to 460. Drnidical remains and old feudal castles are numerous in this department and in all parts of Dretagno.

The principal river is the Rance, which rising in the south-east of the Armoric Hills, sweeps round to north-east through a gap in the range, and pasaing St-Jouan-del'Isle, Erran, and Dinan (where it begins to be navigable), enters the sea at Stw-Malo. By means of the liance, the Vilaine, and the Canal-de-l'Ille-et-liance, which, running from Dinan to near Rennes, unites these rivers, the inland communiention between the English Channel and the Bay of Biscay is completed. The Aven and the Blavet, which flow through the department of Morbrhan, and the Meu, a feeder of the Vilaine, rise in the southern alopes of the same range. The rivers that flow into the English Channel are famons for lovely scenery; they are short aud unicoportant, except that at their mouths they generally form commodious harbours for amall craft, and are unvigable at high water a few miles inland. The chief of them, besides the Rance, are the Guer, the Trieux, the Leff, the Gouet, the Evron, the Guessan, and the Arguenon. The coast district north of Lannion and Treguier, and watered by the Guer and the Jaudy, is the chief scene of the exploits of ling Arthur according to tho Breton romance writere. The department is traversed by 7 royal and 14 dopartmental roads.

The surface of the department measurem 1,701,738 acres, of which $1,016,576$ are more or leas capablo of cnltivation, 134,716 are natural pasture-land, 320,346 are heath and moorland, 13,770 are under orchards, nurseries, and gardens, and 100,177 are under woods and forests.
The department is divided into 5 arrondiswements, which, with their population and enbdivisions, are as follows :-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. St. Brieuc | 11 | 97 | 180,275 |
| 2. Dinan. | 10 | 91 | 118,328 |
| 3. Loudéac | 9 | 35. | 02,500 |
| 4. Tamion | 7 | 63 | 114,737 |
| 3. Guingamp | 10 | 73 | 126,683 |
| Total | 47 | 379 | 632,613 |

1. In the firat arrondissement the chief town is St.-Brieuc, whieh is noticed nnder Briruc, St. Of tho other towns those that follow give names to cantons. The population giveu is that of the commune. Chtielaudren, W. of St-Brieuc, is a small well-built town on the road to Morlaix. An elliptical walking-ground occupies the sito of the ancient castle which gave name to the town, and which was demolished by Jean $V$., duke of Bretngne: population, 1400. Lamballe, a pretty town surrounded by old walls (population, 4206), stands on a hill sbove the Gouessan, and is said to be in tho territory of the Ambiliati, mentioned by Julius Cassar ('Bell. Gal.,' iii. 9). There is an old custle of the dukes of Penthievre here, with a fine promenade attached to it. Lamballe has a library; it is famons for its manufactare of parchment. The church of Notre Dame, situated on the top of the hill, was originally the castle chapel. Lanvollon, a little north of Chatelandren, is a market-town with some curious old woorlen houses, ono of which dates from 1559: population, 1500. Moncontour, S.K. of St-Brieuc, has linen and sail-cloth manufactures, and tanyards, and a population of 1678. Paimpol, at the mouth of the Tricux, has a good harbonr, a tribunal of commerce, a naval school, and 2100 inhabitantas. This town is built on the slope of a peninsular projection composed of clay-alate, and more than 200 feet shove the nea. The isthmua that joins it to the mainland ls flooded at apring-tide. The harbour is the best along the coast from St.-Malo to Morlaix. Tho quays are good and lined with protty houses. Below the town on the shore are the fine ruins of the Abbey of Notre Dame de Beauport. Ship cordages, cotton-yarn, leather, beer, snd salt are the chief industrial products of Paimpol. It trades $\ln$ corn, hemp, finx-seed, flax, honcy, wax, butter, fresh and salt fish, Norway timbers, \&c. Plese, 15 miles from St-Erieuc, has 5343 inhabitants, who tralle in yam, hemp, bntter, and cattle. Plouha, near thr coast, is siturted on a hill, at the intersection of soven roads, which form as many etreeta, and has a population of 4818. The parish church, a large and ancient structure, stands in tho centre of a vast cemetery planted with cedrre; the eplro rises to tho height of nearly 300 fect. On the sea-shore is the cliapel of St-Engenie. Thero is a large Druidical stone near the town. Quintin, in a pretty valley on tho Clouct, has several fino linen factorien, blest furnacos, iron founlries,
and paper-mills. It is the seat of a tribunal of commerce, and has 4112 inhabitants. The town-house and the old cathedral are remarkable buildings, the latter especially so, in consequeuce of all the pillars that support the roof being some feet out of the perpendicular. Behind the choir are five beautiful cbapels. There are some Druidical remains near this town.
2. In the second arrondissement the chief town is Dinan, which stands on a steep hill on the left bank of the Rance, has a tide harbour for vessels of 90 tons, a tribinal of first instance, eoclesiastical and communal colleges, and 7732 inhabitants, including the commune. The town, which is surrounded by walls and entered by four gates, is generally ill built and ill laid out; the houses are mostly of wood. The church of St.-Sauveur, in which the heart of Bertrand du Guesclin is deposited, the chnreh of St.-Malo, the old citadel now used as a prison, and the gate-entrances of the town are the most remarkable structures. Sail-cloth, linen, calico, woollens, leather, pottery, and sugar are manufactured; there is also an active trade in timber, planks, seeds, slates, Norvay deals, salt, \&c., by the Canal-de-l'Ille-et-Rance. Dinan is much frequented for its mineral waters. A steamboat runs daily to St.-Malo aud back; the passage down the Rance is most picturesque. The population given with the following towns is that of the commune:-Broons, the birthplaco of Bertrand du Guesclin, to whom a monument has been lately orected on the ruins of tbe castle of Lamotte-Broons: populatiou, 2504. Corseul is built among the ruins of an ancient town, and is said to take its name from the Celtic Curiosolites: it has 4236 inhabitants. There are many frag. ments of ancient buildiugs here. The ruins of tbe castle of Montafilan cover a large spacs. Evran, on the Canal-de-l'Ille-et-Runce, is a place of some trade, with a population of 4163. Ploubalay has a population of 2536 .
3. In the third arrondissement the chief town, Loudleac, 30 miles S. from $\$$ t. Brieuc, has a tribunal of first instruco, a consultative chamber of manufactures, a college, and 6229 iuhabitants, who manufacturo iron, paper, and linen, and trade in slates, cider, \&c. This town is the centre of a large linen trade. The other towns areMur, near the left bank of the Blavet, population, 2767 ; Plouguenast, noar the Lie, population, 3622; Mevdrignac, 18 miles from Loudénc, has iron foundries, and a population of 2894 ; and U'zel, on a hill above the Oust, has a consultative chamber of manufactures, and 2100 inhabitanta.
4. In the fourth arrondissement the chicf town, Lannion, an illbuilt place near the mouth of the Guer, has a tide-harbour, a tribunal of first instance, a college, and 6075 inhabitants, who trade in deals, Bordenux wine, colonial produce, corn, and the productions of the departrnent. The following places give names to cantons; the population given with each ls that of the commuue:-La-Roche-Derrien, formerly famons for the ancient castie of the counts of Penthievre, which is often mentioned in the old tales of chivalry, is a small place 12 milos from Lannion. Lezardier, at the mouth of the Trieux, which is hero crossed by a wire suspensiou-lridge, bas 2934 inhabitants. Perros-Guirec, on the coast, has a safe tide-harbour, sheltered by the Isle of Thome, and contains a population of 2365. Plestin, in the north-westorn angle of the department, has 4355 inhabitants, who trade in iron, coal, timber, corn, \&c., by the littlo harbour of Toul-an-Mery, about a mile and a quarter disuant. Plouaret, a little S.E. of Plestin, has 5241 inhabitants. Treguier, on the river Tréguier (which is formed by the junction of the Gnindy and the Jaudy, and is navigable for 9 miles from its mouth), is a well-built place, with an excellent deep harbour and roadstead: it has 3382 inhabitants, who are engaged in fishing aud in the coasting trade. The town is built on the slope of a hill facing the sca. The old cathedral, which has been classed among the historical mouuments of France, is a handsome gothic structure surmounted by a tower, and adorned with numerous sculptures. The adjaceut cloisters are the largest and most elogant of those structures in France. They were built in 1461, and are pierced ly 50 noble arches. In them are five stone sarcophagi, containing the remains of personages unknown. The cloisters and the space they inclose are now used as a market. The bishopric of Treguier (Trecorium) was founded in the 5th century; it was united to the see of St.-Brieuc. The tide rises 19 feet at neaps and 36 feet at springs in the barbour of Tréguier.
5. In the fifth arrondissement the chief town Guingamp, on the Trieux, was formerly oue of the most considerable places in the county of Penthicvre. It is situated in a vast plain 21 miles W.N.W. from St.-Brieue, and was once surrounded by walls, part of which remains. There are several good buildings in the town, which has a tribunal of first instance, and 6718 inhabitants, who manufacture linen, leather, hats, twine, do., and trade in iron, brandy, wine, and the produce of tho department. Amongst the other towns the following are given as they give names to cantons: the popnlatiou however ls that of the eommunes:-Begard, N.W. of Guingamp: population, 3821. Belle-Ile-en-Terre, a small place near the Guer, in the centro of an iron district, has several important blast furnaces and foundries: populatiou, 1740 . Bowrbiac, S. of Guingamp (population, 4114) trades in cattlo and farm produce. Ploezal, 15 miles from Guiugamp: population, 3107.

The department forms the soe of the Bishop of St.-Brienc, is undel
the jurindietion of tho Iligh Court of Rennes, and is includerl in the 1 6th Military Divinion, of which Rennes is head-quartere.
(Didionnaire de la France; Ralbi, Gfographic: Annuairc des Cütes. denord; Annmaire pour ['An 1853.)
COTI, RIVER [BORNEO.]
cotrone [Calabrta.]
COTSWOLD HILLS. [alodcesterbure.]
COTTBUS, properly KOTTBUS. [Brasdensung.]
COTTENHAM. [Ca̧smborsume]
COUCE. [AISNE
COURCELLES. Halsacle.]
COURLAND, Kurland, or Kourlaad, one of the Baltlo provinces of Ruseia in Europe, in compoed of the former duchies of Courland and Semigallin, of the old bishoprio of Pilton, and of Polnngen, a district of Samogitin It was until 1795 a possession of tho Iolish crown. Courland in bounded N. by the Baltio Sea, the Gulf of Riga, and the province of Livonia; W. by the Baltio Sea; S. by the province of Wilna, and Prukaia; and E. by tho provinces of Vitensk and Minsk. Its area is 10,490 squaro miles; tho population in 1846 was estimated at 553,300 .

The surface towards the sea-const is level, and presents a sandy plaiu about Mitau, Windau, and Goldingen, but its general character is undulating. It is intersected by two ranges of heights, one of wbich runs parallel with the Düna or Dwina, while the other takes a znore westerly direction, and spreads its arms out iu various directions. The most elevated points are the Huningberg, an agglomeratiou of mand, which is about 450 feet high, and the Silberberg. The canst is partly flat, aud partly lined with sand-hills. Tho most northerly point is the dangerous promontory of Domes-Nus, which is a contiuuation of the Blue Mountains, aud stretches out between the Baltic and the Gulf of Riga. Two-fifths of the soil are covered with forests or underwood, and a considerable part by moors of peat ; nenrly 15,000 acres are corered with marshes, or occupied by the 300 lakes and ponds aud 118 small streams and rivulets, which render the climate of Courlaud, though not unhealthy on tbe whole, raw, moist, aud fogey. Tho largest of these lakes is the Usmaiton (in tho westeru district of Goldingen, and about 15 miles north-north-enst from the town of Goldingen), whicb has an area of 34 square miles; that of Sausken in 10 miles long, and nesrly 21 miles brond. The shore-lake of Angerak or Angerak oe in properly a bay or 'half' of the Gulf of Riga, with which it communicates by a channel iu the narrow tongue of land that lounds it on the cast. This lake is famous for tho quantity and quality of the amber found upon its ahores. Tho principal river is the Düna, which skirts the eastern boundary of Courland, and of whicb the Aa or Buller-Aa, ono brancts of whicla lows into it by a north-westerly courao from tho Livonian frontier, is a tributary. Beaides these two rivers, Courland is watered by the Windsu (which, entering it from the province of Wilna, takes a nortborly course, forms a fine cataract near Goldingen, aud falls into tho Baltio at Windau), the Libnu, the Treider-Aa (wbich passes Mitau), the Anger, Bartan, \&c. The Windau is connected by a cannl with the Niemen. There are sulphuroun springs at Smoden, Baber, and Baldanen.

The soil of Courland is in general light and sandy, and rendered productive only by constant manuring; it is most productive on the side towards Lironis in the moors and morasses blocks of granite are occasionally found imbedded. Agriculture is the principal occupation of tho inhabitants, who raise large quautities of ryo, barley, and onts, but less in proportion of whent, and still less of pers and beans. Rye, which is the principal grain crop, grows very fast It is nown in the end of April and reaped in July at uight, as the dews then close the ears and prevent the heavy grain from falling out as it would do by day. After the harvest the grain is dried in $a$ kind of oven in one end of a largo building called 'rigo,' tho other end serves for a threshing-lloor. The corn in thus rendered firnor, drier, and lem liable to worms. This practice of drying corn by fire before threahing it is common alno in all the neighbouring provinces of linemia. The cropm of grain are more than adequato to the consumption.
Fhax and hemp are extensively cultivatel, and of excellent quality; the seed of the firat, whleh in sown in June, yields a crop in eight weekr A little tobaceo is raised, and somo fruit is producel; tho ordinary sorts of vegetables are grown crerywhere Courland has not sufficlent pasture Inud to make the rearing of cantlie a common oecupation. Iforses and horned cattle are of $\operatorname{lnferior}$ kinds, and the sheep flold but an lndifferent quality of wool. The vsluo of the fisheries along the const in not iniportant. Tho supply of game in abundant. The extensive foreste are in general pitunted ou marshy ground, nad connist principally of pine, fir, birch, beech, alder, oak, and elm. The forest land cosera one third of the area of the province. Large pines and oaks are mad to bo scarce now, owing to the immense consumption In tho hounen, ovenn, bathw, diatilleries, and in the manuring procences of the proviuce. Of minerala, CourIand contnina small quantities of bog iron, lime, and gypuram. It has Also coal and marble, but they have not hitherto been turned to much nocount Amber le thrown up on the const. The bear, which was formerly common in Courland, has quite abandoned the prorince. Wolves, fores, elke, haren, and deer are found.
The poppulatlon in of the namo extraction as the Lithuaniane, from
whom the untivo Courkulera differ in no other renjocta than that they aro more adrancod in cirilisation, and use a slightly varied dinlect. Independently of theso nativo Courlanders there are sevoral thousand Livonians, Lithuanians, Jows, Germans, Krewincks (a raee of Finniah descent), Rumana, and Poles, scaltered throughout the province. The Inhabitanta are mostly Lutherana. The Jewn number abont 10,000 ; many of them are inn-keepera and small shop-keepera.
Tho laud belongs principally to the Courland nobility, who are either Germans or Poles; they aro possensed of Iwculiar righta, such as their own civil jurisdiction, cxemption from taxation, and from military service. These righte, where not in direct opposition to the Russian Inw, were confirined to them when the partitiou of 1795 transferred their country to Russia. Courlaud, liko all the other Baltic provinces, is divided (with the oxceptiou of the land ucar the great towns) into estates varying in size frous 15 to 100 square miles, wbich are never divided but desceud entire, population and all, to the eldest son. Tho number of these estates in tho province is about 1126. 'The residence of a nobleman called a 'Hof' is usually built on a bill or on the bank of a river. Benides a dwelling-houso of large extent, the establishment includes a building for domestich, stables, mills, breweries, inns, distilleries, \&c., often amouuting to twenty or thirty buildings, surrounded by gardens, parkn, woods, and corn-fields. The peasants reside at some distance from the Hof, in little communities called 'gesindo:' to each of these a piece of land is attached, which the serfs cultivato for their own profit. The towns are mostly inhabited hy individuals of German extraction; they are freo, and quito independeut of the nobility. The preasant, though by law no longer bound to the soil (the may after half a year's notice quit tho estato), yet in consequence of his being almost always in debt to his lord he is virtually a serf in the strictest sense, and in vassalage either to the nobility or tho burgesses; he has no property wbich he can call his own, may bo forcod from the cstate after half a year's notico from his lord, and is subject to the chastisement of his owner.

The wauts of each cstate are mostly supplied by the serfs themselves, part of whom are brought un to mechanical arts; the peasant makes his own clothing, furniture, and domestio utensils, and constructs his owa humble dwelling: he buys no manufactures. Thero is a vast number of brandy distillerics, tho only species of industrial establishments worth naming in the whole of the province.
Courland is under the general direction of the governor-general of the Baltic provinces, and the administrative duties derolre upon a civil governor, resident at Mitau ; both are subordinate to the executive at St. Petersburg. The ecclesiustical affairs of the Protestauts are conductod by tho consistory of Mitau; the Roman Catholices and Greeks together possess but 19 churehes, which aro subject respec tively to the Bishop of Samogitin and the Bishop of Pskof.

Courland is in general administered nccorving to its owu laws and usages ; but in regard to fiscal and military affiriss, it has been phoced on the anne footing as the other provinces of the empire. Dorpat in the university for this province; tho only high school is the gymnasium at Mitau. Tho nobility assemblo at dicta, and have a pormanent committee at Mitan. Tho province is divided into head-captaincies, and each of these into two captaincies, besides tho district of Pilten. Courland Proper, or the northern parts, contain the captaincies of Tuckum, of which Tuckum (nbout 1300 inhnbitauts) is the capitsl aud Goldingen, of which Goldingen, with about 2400 inhabitants, is the capital. Scmigallia, tho southern part, is divided into the captaincies of Mitan and Soelburg; of tho latter Jakobstadt on the Duina, with about 1800 inhabitants, is the capital. The district or bishopric of lilten lies in the south-west, and is named from Pilten its former capital, which has about 600 iuhabituuts. This district is also known by tho namo of Hasenpoth, which is derived from that of the largest town in it, now become tho cnpitnl; it has about 1100 inhabitnnta

Mitau, the capital of the province of Courland, is situated in a flat maryhy district on the left bank of the Treider-An, in about $56^{\circ} 39^{\circ}$ N. lat, $23^{\circ} 43^{\prime}$ E. long., and has about 10,000 inhabitanta. The town ln walled, well built, and from its farourable situatiou on a navigable river it is a place of considerablo traffic. The horisen nro chiefly constructed with wood, which is painted green or reddish brown. Tho Gigmnasium abore mentioued as the most Important of tho few educational establinhments of tho provinco, lias a library of 25,000 rolunes. The town has also a casino, or club-house, which is patronised by all the CourInud uobility. The most interesting building in the town is the old cnstlo of the dukes of Courland, which is surromadod hy canals from tho river, and whe built by Marshal Biron, the farourito of tho cmpress Auno. Lonis XVIII, residod in this castle for some time when travelling under tho title of Count do Lille. There are coaches daily from Mitnu to kigh. The walls of the town inclome Inrge gandens. Tho atrects are not well paved. Mitan containn uine clurches, a synagogue, su observatory, and two publio lihraries; it hes anasufactures of tinen, leather, and soap.

Courland has two shipping ports, Libau and Windau, both situated on its weatern coast. Libas is the principal shipping port of the prorince. The harbour, formed by a malt lagoon, has a bar across the entrance, but admits vessels of 12 feet draught at all times; larger rewele are londed or nuloaded ono or two unilen from the town by lightera. The imports are chiefly nalt, coals, mill-stoues, machinery
herrings, sugar, and other colonial produce; the exports consist of flax, hemp, corn, calf-skins, salt meat, hides, hristles, hones, timher, tallow, deals, \&c. Ship-huilding and manufactures of various kinds are actively carried on: the population of Lihau is about 10,000 . Windau stands at the mouth of the river Windau, down which a great deal of timber, the most important article of export, is floated the population of Windau is over 2000 . The inland trade is mono polised by the Jews.

## COURSAN. [AUDE.]

COURTENHALL. [NoRTHAMPTONSHIRE.]
COURTRAI (in Flemish Kortryk), a fortified and maufacturing town of West Flanders, in Belgium; 75 miles W. by railway (through DIalines and Ghent) from Brussele, 32 miles hy railway S . from liruges; stands in $50^{\circ} 49^{\prime}$ N. lat., $3^{\circ} 18^{\prime}$ E. long., and has 21,500 iuhabitants. The town occupies both banks of the river Lyys, by means of which and hy canals it has water communication with the principal towns of Flanders. The river is crossed hy an old bridge flanked with towers. Courtrai existed in the time of the Romans under the name of Cortoriacum (afterwards written Curtricum), and an early as the 7 th century enjoyed the privileges of a municipal city. The fortifications were hegun in 1290 ; the castle was built in 1385 hy Philip the Bold, duke of Burgundy. Tho works were eularged and perfected chiefly hy the French, who huilt the citadel in 1647. The Flenings in 1302, commanded hy John count of Namur, defeated a French army under the Count of Artois near to Courtrai. After the hattle about 700 gilt spurs were gathered on the field from the slaughtered French, and hung up as a trophy in the church of the convent of Groenangen, now destroyed. This circumstance caused the hattle to be called the Battle of Spurs. A small chapel huilt in 1831 a little outside the Ghent Gate marks the centre of the field of the Battle of Spurs. The town was taken hy the French successively in $1643,1646,1667$, and 1683 , and wam restored to Spain hy the peaco of Ryswick. The French destroyed the fortifications in 1744; in 1793 they obtained a victory over the English acar the town, of which they took possession a few days afterwards, and constitnted it the capital of the department of the Lys.
The streets of Courtrai are wide and clean; the houses are well hnilt. The town contains several fine buildings, among others the town-hall, the churches of St. Martin and of Notre Dame. The townhall, a gothic edifice crected in 1526, stands in the market-place: it is disfigured by a modern front. The interior contains two remarkahle carred chimney-pioces, rcpresenting the Virtues and the Vices, in hasrelief. St. Martin's church, originally founded by St. Eloi the apostle of Flanders about a.d. 650, is remarkahle for its lofty tower, which commands a splendid view of the surrounding country, and for its beantiful tahernacle of carved stonework in the richest gothic style. The church of Notre Dame is a gothic structure founded in 1238 by Baldwin, count of Flanders and emperor of Constantinople. It has been modernised however and lined with marhle. It contains Vandyck's celehrated painting of 'the? Elevation of the Cross. Both these churches are decorated with paintings and sculptures of more than ordinary excellence.
Courtrai contains an exchange, a college, and two asylums for orphans. A great part of the working population is cmployed in gpinning flax and in weaving and hleaching linen and damask. The fine linens known under the name of Courtrai cloth are made in the surrounding districts, and sold unhleached in the weekly market held in the town, where the pieces are finished and prepared for sale to the consumers. A vast quantity of the finest flax is grown in the plain aronnd Courtrai for the supplies of the manufactories of the town and for export. There are large hleaching-grounds in the neighhourhood. The waters of the Liys are said to possess very superior hleaching qualities. The dyers of Courtrai imitate with success the colour known as Turkey red. Thread-lace and silk-lace are amony the other industrial products. The earliest of the cloth manufactures of Flanders was estahlished at Courtrai in 1260.
(Dictionnaire GKographique de la Province de la Flandre Occidentale; Statistical Papers of the Belgian Government; Mandbook of Belgium and the Rhine.)

COUSERANS, LE, or, as it was written in the last century, CONSERANS, a district of the former province of Gascoigue in France, was bounded E. by the county of Foix, N. and W. hy the district of Comminges, and S. by the Pyrenoes, which separate it from the province of Catalonia in Spain. It is a mountainous district; and is watered by several fceders of the Salat, which carries off the whole drainage of the district into the Garonne. Couserans is now included in the department of Ariege. [Aritige.]

The district derives its name from the Consorani, or Consuarani, one of the tribes of Aquitania or Narbonensis mentioned by Pliny. They are not noticed hy Cæsar. Their chief town, A ustria, or Consorani, assumed from one of its bishops its designation of St.-Lizier. [Abiege.] Upon the downfall of the Roman empire Couserans came muccessively into the hands of the Visigoths and the Franks. In fendal times it ranked first as a county, afterwards as a vice-county. The bishopric in which this district was comprehended originated probably about the cnd of the 5 th century: the bishop was a siffragan of the archhishop of Auch. St. Lizier was elected bishop about 698 , and died 742 .

COUTANCES. [Manche.]
COVENTRY, Warwickshire, a city, a municipal and parliamentary borough, manufacturing town, and the seat of a Poor-Law Uliion, in the hundred of Knightlow. Although in Warwickshire, it formed (until recently) along with some adjacent villages a separate county. In 1842 an Act of Parliament was passed which incorporated Coventry with the county of Warwick; and in 1843 an order in council was issued, which formed Warwickshire into two divisions, the Warwick division and the Coventry division, each having a separate commission of assize. Coventry lies on the right bank of the river Sherhourne, in $52^{\circ} 24^{\prime}$ N. lat., $1^{\circ} 30^{\prime} \mathrm{W}$. long. ; 10 miles N.N.E. from Warwick, 91 miles N.N.W. from London hy road, and 94 miles hy the Loudon and North-Western railway. The population of the municipal horough in 1851 was 36,208 ; that of the parliamentary borough was 36,812 . The horough is governed by a corporation consisting or 10 aldermen, one of whom is mayor, and 30 councillors; and returns two memhers to tho Imperial Parliament. Coventry is divided into two parishes-St. Michael's, ar vicarage, and St. John's, a rectory; they are in the archdeaconry of Coveutry and diocese of Worcester. The Coventry Poor-Law Union is co-extensive with these two parishes.

Coventry is a place of great antiquity, hut its origiu is involved in obscurity. In the reign of Edward the Confessor, iu 1044, Earl Leofric, a powerful lord of the large territory of Mercia, with his wife, the Lady Godiva, founded at Coventry a magnificent Beuedictine monastery. The capacious cellar of the monks still exists, measuring 75 yards in length hy 5 yards in hreadtl. After the Couquest the lordship of Coventry came to the earls of Chester. Lcland and other writers speak of the walls, gates, and towers by which the city was defended, and of its streets, which were well huilt of timher. The walls were demolished hy Charles II. in consequence of the active part taken hy the citizens in favour of the parlianeutary army. During the monastic ages Coventry had a large and heautiful cathedral. At the Reforination it was levelled to the ground hy order of Henry VIII. Coventry was the seat of a Parliament held hy Henry IV. in 1404, and of another hy Henry VI. in 1459. It was the scene of the famous meetiug for trial by hattle hetwecu the Duke of Norfolk and the Duke of Hereford, afterwards Henry IV.
From an early period Coventry was reuowned for its exhihition of pageants and processions ; and in the mouastic agesit was remarkahle for the magnificent and costly performance of the religious dramas called mysterics. Accounts are extant of these solcmn shows as early as 1416. They were performed chiefly by the Gray friars, on moveahle street-stages on the day of Corpus Christi. The subjects were the Nativity, Crucifixion, Doomsday, \&c., and the spleudour of the exhihitions was such that the king and the royal family, with the highest dignitaries of the church, were frequently present as spectators. An ample and exccedingly interesting account of these Coventry Mysteries will he found in a 'Dissertation on the Pageants or Dramatic Mysteries antiently performed at Coventry, and other Muuicipal Entertainments,' hy Thomas Sharp, 4to., 1825. The plates in this work are extremely interesting, and the facts are valuable as illustrative of the state of society at that period. The following work also contains much curiousinformation: "T'he Pageant of tho Company of Sheremen and Taylors in Coventry, as performed by them ou the Festival of Corpus Christi, with other Pageants at Coventry, on the Visit of Henry VI. and his Queen in 1455 ; of Prince Edward in 1474 ; of Prince Arthur in 1498 , \&c. ; with the Verses recited in Character on those Occasions.' By W. Leadcr, Coventry. Other writers give descriptions of the costly pageants exhihited to Henry IV., Heury VII., and several other kings. Coventry was the favourite resideuce of Edward the Black Prince. Here also Qucen Elizabeth delighted to see "The game of Hock Tuesday,' which represented the destructiou of the Danes by the English in 1002. The peculiar predilectiou of the people of Coventry for pageantry is still displayed in the notorious processional show at the great fair on the Friday in Trinity week, when many thousands assemhle to see the representativc of Lady Godiva. The legendary origiu of this singular exhihition is as follows:-Earl Leofric had subjected the citizens of Coventry to a very oppressive taxation, and remaining inflexihle against the entreaties of his lady for the people's relief, he declared that her request should he granted only on the condition that she should ride aaked through the streets of the city; a thing which he supposed to he quite impossihle. But the lady's modesty being overpowered by her generosity, and the inhahitants having heen enjoined to close all their shutters, she partially veiled herself with her flowing hair, made the circuit of the city on her palfrey, and thus ohtained for it those privileges which it from that timo forth enjoyed. The story is emhellished with the incident of Peeping Tom, an inquisitive tailor, who was struck blind for looking out as tho lady passed. A figure styled his effigy is still to he seen protruded from au upper window in High-streot, adjoining the King's Head tavern. In Gough's edition of Camden's 'Britannia' (vol. ii. p. 346) it is stated that Mathow of Westminster, who wrote in 1307 , that is, 250 Jears after the time of Leofric, is the first who mentions this legend, and that many preceding writers who speak of Leofric and Godiva do not notice it: a similar legend is said to be related of Briavel's Castlic. The Coventry procession, as at present exhibited, began only in the reign of Charles II., in 1677 ; it consists priucipally of St. George of

Fincland on his charger; Lady Godirn, a fomale who ricles In a flonlcoloured drees, with flowing hair, on a beantiful gray boreo; then follow the wool-corabers, knights in armour, Jwon, Blshop Blaize, \&c., all in showy dresses, with a grent profurion of gay ribands, plunen of fonthers, and accompanied ly numerous bands of nousic. The whole of the oity comparies usod, befors the passing of the Municipal Corporations lieform Act, to accompany thoprocession. Many strong cflorts bavo beeu mado to suppress the unseemly exhibition, hut hitherto mithout succeas

The town is situated on agentle ominenco, rising in the middle of a valley which runs east and west. The river Sherbourne and the liadford brook unite within the town. For sanitary purposen the city is under the manngement of $n$ Local Board of Health. Tho hest streets are tolerably well paved. The town ia lighted with gas.

The chief lnilding of Coventry are the churches. There are three ancient churches, of which St. Michsel's is by far the most remarkable for architectural beanty and ormament. It was originally built in 118s, in the reigu of Heury I., and was given to the (Benedictine) monks of Corontry by lanulph earl of Chester, in the reigh of Stephen. The spire rise out of an octnronal bese upon the tower, to au eleration of 303 feet from the gronnd. In the tower is a fine peal of 10 bells The length of the eutire structure is somowhat above 800 feet, and the breadth 104 fect. The interior is lofty aud finely ormameuted with rows of clustered pillara and arches, with a roof of curiously aaryed oak, and numerous windows of auciant coloured glama. It has been recently repewed. The organ in St Miclaael's church is said to be one of the best in the kingdom. Trinity church is a gothic edifice, but heavier and leas olegant than St. Michael's. The height of its spire is 237 foet. The Earl of Shrowsbury furnished as splendir stained glass window to this church in 1834. The building has been recently casod with atone on the went end and the north side. St. John's is a plain cruoiform structure, founded by the Merchant's Guild in the reign of Edward 111. 'Three churches have leen built within the last twenty fear. Christ church, erected in 1832, was built from a design ly Ricknan; attached to it is the fine old tower and apire of the Gray Friars church. Tho others sre St. Peter's, built in 1S41, and St. Thomas's, built in 184S. There are in Coventry four plnces of worship for Independeuts, and one each for Wesleyan and Primitire Methodists, General and Particular Baptiots, Quakers, Uuitarians, and Roman Catholics. Two other chapels are used by various denominations. The Roman Catholio church, rather a muperior oxample of modern gothio architecture, was erected in 1843.

The Froo school in a riohly chaluwed institution founded by John Hales in tho relgn of Henry V111. Here Sir William Dugdale and several other euniuent hon were educated. The income is about 950l. per nunum : and the school has two fellowahips at St. John's College, Oxford, one at Catherine Hall, Cambridge, and six exhibitions at oither maiveraity. The head master is alen roctor of St. Johu's; the necond master is lecturor of St. John's. There are six Fandowed mehools - the Rablake sehool, founded 1560 , having a revewue of about 9006. per aunum, at which 50 boys are received at about 11 years of age, clothed, elucated, and apprenticed: Baiker, Billing, and Crow's selsonl, founded 1690, at whicls 50 boys are clothed, edncated, and apprenticod; this nchoul is under the management of trustees, chiefly of the Unitarian persumaion: the Blue-Coat Girl's school, which educates and defrags part of the expense of clothing 40 girls: Bayley's echool, founded 1703, at which 40 boys aro educnted: Southern and Craner's school, at which between 30 and 40 children are erlucated : and Fairfex's echoul for 40 boys. There aro National, British, and Infant sclioola. The Roman Catholice havo a school near to their chnpel. The Goverument School of Deaign, commenced in 1843, han been found of great benefit to Corentry in connection with the riband manufacture. There are a mechanics inatitute, $n$ library belonging to the Religiou and Uscful Knowledgo Society, a aubecription library, and a savings bank.

One of the richent and inost Interenting veatiges of the ornamental architecture of the 16 bh century in Coventry, and perhnps in Fingland, fin enpnoious building called St. Mary's Hall, ereoted in the reign of Henry VI. The principal room in 63 feet by 30 feet, and is 31 feet in leighto. It grotesqucly-carved noof of oak, tho gallery for minstrols, the armoury, the chair of winte, and expecially the great paiuted window facing the street, help to furnish a vlvid itlen of the mannerm of then age lis which Coventry whe tho favourito resort of prisces. A topetry male in 1450 , mensuring 30 foot by 10 feot, and contrining 80 figrren, is a curionn and beautifinl apecimen of tho drawing, dyoing, and embrollevy of that pertod. Thin hall is the property of the corporation, and in und as a council-clamber and for civie festlvitios. In the marketplace a richly-ormamenterl gothic crose, conoldered to be one of the Inent is the country, erectol ln the 10 th century, was tiken down in 1 ifi. 1t wan hexagosal, 57 feet ligh, with 18 niches slled witl ntatuss of sainta and kligga. The laonpital in Oray Friars. lane is vrry ancinnt, and richly ornamenterl with carverl onk. The builling callot tho 'Mayor's l'arlowr' is of tho loth century : it is nsed for jurlicinl purpones.

In addition to the buildings almady noticed, may be namorl the County Hall, notone erlifice erectod in 1785 , and the Drapers' Hall, Which is elegnetly fittal up for asmemblies and other public entertaln.
menta; the jail; the Coveutry and Warwickshire Hospital; tho l'rorideut Dispenmary; a conveut of the Sisters of Charity; barrackn, \&c.
Beades the patronage of many important appointmenta, the oorporation band formerly the dintribution of charitable fuacla monounting to $7800 \%$ per annuas. The following are the principal institutione of this kind, which in Coventry are very numerous: Sir Thomns White's Charity, fonuded in tho reign of llenry VIII, produces annually vetween 20001. and 8000 L ; the Bahlako Mcu's llospital, of which an income of about 15001. is devoterl to the maintenance of poor and aged meu, was founderl by the will of Thomas Boad in 1500 ; tho Bablake Boy's Hospital has an inoome of about 940L, approprinted to the maintennsce and oducation of young and poor boya Besides thees, there aro 12 other considerable charities, and scveral minor ones. The Coveutry Union house contains nome remains of the Whita Friars momntery, afterwards the seat of the Hale family.

The city is surrounded by about 1000 acres of Lammas and Miohadmas lands, aud 246 acres of common land, over which the freemen of the city (about 3500 in number) and some fow other persona here long possessed peculiar privileges, which have interfored with the appropriation of these lands for the general weal of tho community.
In the time of the Fidwards and lienrys the tradesmen of Covontry were famed for their affluenco. In 1448 they equipper 600 armed men for the public service. Until tho war Letween Eugland and Frauce in 1694, the staple manufacture was woollens, bromdcloths, and caps; and previous to 1550 there oxisted a fanous manufacture of Llue thread; the water of the small river Sherbournc, which $]$ passes through the city, boing an oxcellent menstruum for dyeing this colour. During the 18th century there was a flourishing masufucturs of tammies, camlets shalloons, calimancoes, gauzes, \&a, but it is no longer contiuued. At present the staple manufactures are rihands and watches. The riband manufacture was introduced about 1730 , and is supposed uow to give onployment to about 6000 persons in the city; it is said that 20,000 are cmployed iu riband-wosring in Corentry nuxl the neighbouring towns aud villages. The weaving has hitherlo bcon almost eutiroly performen by the haud-loom, and the weavers are in general a poor class, but steam factories are probably now suporseding the loom at the workmen's dwellings. The leadors of the trade are not the manufacturers, but a comparatively mmall uumaber of wholesnle firms in London and Manchester, whosa agents attend at Coventry. Gimp nad other trimmiuga are also mado iu Coventiy, and there are large establishments for dyeing silk. The making of watches has been carried on berc probably mang lon the riband manufacture.
There are several guilds, or incorporated trading companiex, some of which are possessed of conaiderablo property, which they apand in charity and festivities
The local position of Coventry is favourable for commercial opers. tions, being nearly central between tho four greatest porte of DuglandLondon, Bristol, Liverpool, and IIull; possessing great facilitios of water communication hy tho Corentry and Oxford Cumal, which opens into the Grand Trunk uavigation, and laving one of the main roads from Londou to Birmingham passing through its ntreets. Tho Londou and North-Western milway passen close to the tow ; and there are two hranch liues, one turning northward to Lenmiagton and Wharwick, and auother to Nuneaton.
(Dugdale, Antiquities of Waroicleshire; Mistory and Antiquifies of Coventry; lleader, New Coventry Guide: Communication from Coventry.)

COWDRRIDGE, Glamorganahire, a market-town and borough, and conjointly with liridgend the seat of a I'oor-Law Uuion, in the pariah and bundred of Cowiridge, is situated on the littlo river Daw, or Thaw, ou tho road betweeu Cardiff nud swansea, in $51^{\circ} 28^{\prime}$ N. Int, $8^{\circ} 27^{\prime} \mathrm{W}$. long., distaut 12 milom W. by S. from Cardiff, and 173 miles V1. from Lomdon. The population of the boroughand parish of Cowbridge in 1851 was 1006. The living is a curacy annexed to the vioarage of lalamblethinn, in the areldeacoury and diocese of Llandaff: The town is governed by mayor and two Lailifss, appointed in terms of a charter renewed in the time of Charles II. The borangh in contributory to Cardiff in returning a member to the Imperial Parliament. Bridgend and Cowbridge Poor-Law Uniun contains 52 pariwhes and townhips, with a population in 1851 of 23,369 .
Cowbridge in a nent, cheerful town, consisting chiolly of one stroet, which is of oonsidernble width. The town whe at one period walled, and had three gatem, one at each cnd of tho main street, and anothor, whloh is atill standing, ou the south side of the town. The parish church is an macient and commodions building. The Wesleyan and Welsh Methodista and Baptistm havo placen of wornhip in Cowhridge. The Grammar school, au old foundation, conmooted with Jesus College, Oxford, through an endowment of Sir Leoline Jenkinn, has an income from ondowment of 20l. a year, nad had it scholars in 1852. The nchoul in froe to £ve acholars, callod pensioners, who roceive 61. a year for four years at mehool, nad are eligille for exluibitions at Jesua Colloge : ten other boys aro admitted an freo wholara. Therc are a National achool, a mechanica institution, and a readiag-room. The market day Is Tuenday: a market is alno held on Satuudays for provisions: firc fairs aro lield in tho conrse of the yenr.
(Cliffe, Bonk of South Walen; Communication from Coworidge.).
CUW lis, WEST, lsle of Wight, llampshire, a town in the parish of

Northwood and hundred of West Medina, is situated in $50^{\circ} 45^{\prime} \mathrm{N}$. lat., $I^{\circ} 18^{\prime}$ W. long., distant 4 miles N. from Newport, and 75 miles S.W. from Loudon. Tho population of the town of West Cowes in 1851 was 4786. There are two livings, which are perpetual curacies in the archdeaconry and diocese of Winchester.
The town of Weat Cowes is situated on elevated ground on the left bank and at the mouth of the river Medina. Henry VIII. built a castle at this place, and from that period the rise of the town is probably to be dated. The castle, which has a crescent-shaped battery, stands at the entrance of the harbour. The streets are narrow and inconvenient, but their position ou the slope of the hill on which the town stands produces a picturesque and pleasing appearance. The upper part of the town is the most recently built, and contains many good houses and villas. Being much resorted to in summer for seabathing, there are numerous hotcls and lodging-houses; there is also an assembly-room.

As Cowes is the port of the island and the point of comanunication with the mainland by way of Southampton, there is necessarily a large amount of traffic carried on in tbe place. Cowes is the head-quarters of the Royal Yacht squadron, which has a club-house here; the annual sailing-match of the squadron usually attracts uumerous visiters from a dintance. There is constant communication with the mainland by teaus-vessels.
Cowes harbour affords a safe and convenient haven. On December 31st, 1852 , there were registered as bolouging to the port of Cowes 110 vemsels under 50 tons, with an aggregate burdcu of 2967 tons, and 51 vessels above 50 tons, with an aggregate burden of 5597 tons; and one steam-vessel of 21 tons. During 1852 there cleared inwards and outwards at the port of Cowes the following vessels, namely:-Cosstwise, in wards, 146 vessels, 54,375 tons; outwards, 427 vensels, 10,295 tons: colonial and foreig1, inwards, 55 , tonnage 3638 ; outwards, 58 , tonnage 3223 : stearn-vessel, inwards, 2, tonnage 2934; outwards, 2, tonnage 2133. Ship-building has been long carried on at Cowes, which has acquired celebrity for the construction of quick-asiling craft: of this the yachts made for the Royal Yacht squedron are cxamples.

East Cowes, on the opposite shore of the Medina, may be regarded as a suburb of West Cowes : it is a small place, with several well-built houses, and is in considerable repute as a resort for bathing during the summer. The custom-house is in East Cowes. A large mansion, in a so-called gothic style, built by Nash, the arehitect of Buckingham Palace, as a residenco for himself, is called East Cowes Castle. Osborne Ilouse, the marine residence of her Majesty, is a sloort distance from Last Cowes.
(The Land We Live In, vol. ii. ; Parliamentary Returns.)
COXIVOLD. [Yomksume.]
CRACOW (Krakow), n part of the old kingdom of Poland, now of the empire of Austria, which from 1815 to 1846 existed as an independent republic under the protection of the states of Austria, Russia, and Prusein Previous to 1809 Cracow was incorporated with Austria. By the Partition Treaty of 1809 it formed with western Galicia the Grand Duchy of Warsaw. At the Congress of Vienna in 1815 the three powera not being able to agree as to which of them should have Cracow, formed it into a republic, guaranteeing the perpetual neutrality and inviolability of its territory, cxcept in case of its larbouring offonders against any of the protceting powers. When the Polish insurrection occurred iu I846, the insurgents seized the city of Cracow, but were dispossessod thereof and effectually crushed by the united forces of the three powers, who decreed ou Nov. 10, 1846, that the territory of the republic should be re-incorporated with Austria ; and this was done accordingly.

Cracow is in the north-eastern part of Central Europe. It lies between Austrian Galicia, Prussian Silesia, and the south-western part of Rusnian Poland, along the left bank of the Vistula, and contains an arca of about 496 square miles. The surface consists of an undulating plain, broken by low hills and woods, and extends to the Vistula, which forms it southern boundary towards Galicia. The Vistula, which im the chief river of Cracow, receives within the confines of the territory the waters of eeveral small rivers, and becomes navigable under the walls of Cracow. There are neither canals nor lakes in the country; at Krzeszowice there are warm sulphurous springs. The climate is moderate, though not genial onough to ripen the grape; it is however salnbrious and agreeable, and milder thau in the other parto of Poland. The soil is rich, but produces scarcely more grain than is muflicient for the consumption of the inhabitants. The vegetables and fruits are excellcnt. Its chief productions are corn, pulee, fax, wax, and honey. Oxen, sheep, swine, game, and fish are alundant. Coale, iron, marble, freestoue, clay, \&c. are found. The quantity of wool is inconsiderable.

Cracow contains only two or threc manufacturing establishments, the chief of whieh are the ironworks of Krzeszowice. The peasantry apin and weare their own cloth, and there is little trade except in the capital. The population is about 146,000 , of whom probnbly nine-tenths are of Polish extraction; the remaining tenth beiug almont all Jews. Tho principal towns are Cracow, the capital, Chrzanow, and Krzeszowioe. Cirzanoro is situated on the river Cheolslo, sbout 27 mile W.N.W. from Cracow. There is a eonsiderable trade. The popnlation, about 4000 , are chiefly Jews. Krwes-
zovice, where are extensive iron-works, is a station on the Cracow aud Breslau railway, about 20 miles from Cracow.
CRACOW (in Polish, Krakoo), the clief town of the territory of Cracow in the Austrian empire, is situated at the foot of Mount Krakus, or Wavel ( 699 feet above the level of the sea), in the delightful and extensive ralley of the Vistula, and on the left bank of the river, at its confluence with the Radeva; in $50^{\circ} 4^{\prime} \mathrm{N}$. lat., $19^{\circ} 50^{\prime} \mathrm{E}$. long., distant about 15 S miles S.S.W. from Warsaw. It is inclosed by threo lills; the St. Bronislava, on whicls a monument 150 feet high, has been erected, in memory of Kosciusko ; the Krakus, or Wavel, and the Wanda. It is united to the town of Podgorze by a bridge of rafts.
Cracow is surrounded with promenades, which have replaced the old ramparts. It consists of three distinct quarters, Cracow, Stradom, and Kazimierz, which last lies on an island in tho Vistula, and is joined to the rest of the town by a bridge. It is the residence of the Jews, who have here a synagogue. The suburbs are likewise of some extent. The space between the city proper and the suburbs is laid out as a public garden'with promenades. The site of the public garden was formerly occupied by fortifications.
This ancient capital of Poland, where its kinga were crowned and buried, received its name from Krakus, duke of the Poles and Bohemians, or White Chrobatia, who is said to have founded Cracow about A.D. 700. It was wrested from the Moravians by Ziemowit, the Bohemiau, and was taken from the Bohemians in 999 by Boleslaus the Great, who raised it to the rank of the capital of Poland. Its ancient limits were far more extensive, and its population about double the present amount. It had a flourishing commerce, and its numerous lofty towers and buildings still give to it, in the distance, the appearance of a large and handsome city; but this impression is destroyed on entcring its dark, narrow, and deserted precinets. The town is however cleau, and has a very spacious public square, surrounded with low miserable shops.
The cathedral of Cracow is a beautiful specimen of gothic architecture, and the finest in Poland; it was destroyed by fire, and rebuilt by Nanker, bishop of Cracow, in the year 1320. Here the kings of Poland were erowned, and its numerous chapels recall the events of the history of this kingdom, from Boleslaus to Kosciusko. It has 50 altars, above 20 chapels, and contains the tombs of most of the Polish monarchs, of Casimir; Johu III., Sobieski, St. Stanislaus, whose remains are inclosed in a silver coffin, Priuce Poniatowski, Kosciusko, and Dombrowski, \&c. There is a statue by Thorwaldsen of Count Vladimir Potocki, who was killed before Moscow in 1812. The archives and library preserved in this edifico contain many valuable manuseripts. Its bell, the largest in Poland, was cast in 1520.

The castle, called the Königaburg, on Mount Wavel, a very spacious gothic structure, the first building of which wns, it is said, the work of Krakus about the year 700, suffered by two great eonflagrations. It was restored to its pristine splendour by Augustus II. of Poland. It was fortified by Dumourier in 1768, and repaired when iu possession of the Austrians, who converted it into barracks. Its subterranean vaults, which are excavated iu the mountain, were formerly the depository of the royal regalia. Of the 76 churches which Cracow once coutained, only 46 are now devoted to the purposes of divine worship. The finest of these are St. Mary's, whicli is second only to the cathedral, the church of St. Stanislaus, which is the oldest church in the city, the Protestant churoh of St. Martin, and many magnificent convents. The Episcopal palace is a spacious building of modern construction, with an historical museum for Sarmatian remains. The old town-hall is a quadrangular, tower-like structure, evidently built for dofensive purposes. The Roman Catholic university, which was founded in 1364 by Casimir the Great, and in 1780 assumed the title of Schola Regni, is the oldest university in Poland. It contains a library of about 30,000 volumes, chiefly old books, and a collection of 5000 manuscripts, priucipally on theology; an observatory, situated in the suburbs of Wessola, aud a cabinet of natural history. Cracow possesses also a gymuasium, in which 446 pupils are iustructed under 23 professors, a school of arts, an academy of painting, a Piarist college, and normal and various elemeutary schools, several hospitals, an orphan asylum, \&o. Under Sigismund I. Cracow had 80,000 inhabitants; in 1818 they had dwindled down to 24,556 ; the number of inhabitants is now about 43,000, of whom about one-fourth are Jews. There are no manufactures, except a few of cloth and woollens. The trade, which is principally in the hands of the Jews, is not extensive, although Cracow is the chief depot of Hungarian wiucs, salt, and wax, and the central poiut of commerce between Poland, Galieia, and Hungary. In the neighbourhood of Cracow are extensive salt-mines.

Near the town is Lobzoff, a summer residence of the former kiugs of Poland, built by Casimir the Great. Cracow is counceted by rallway with Warsnw, Berlin, aud Vienna, and by electric telegraplı with Berlin and Vienna.

CRAII, Fifeshire, Scotland, a royal burgh in the parish of Crail, is situated on the south-east const of the courty, in $56^{\circ} 16^{\prime} \mathrm{N}$. lat., $2^{\circ} 87^{\prime}$ W. long., about two miles S.W. from Cape Fifoness, and about 80 miles N.N.E. from Edinburgh. The population of tho burgh in 185 I was 1247. It is governed by two bailies and soven councillors,
one of whom is provont; and, with C'upar-Fife, St. Andrew'e, Kilrenny, the Anstrathere, and litteuweem, returns one member to the lmperial Parlimment.

Crail was made a rogal burgh by lobert the Bruce, in 1306. Tho towu convists of two good strects and a fow lanes It ponsesses a small and shallow harbour, which is frequented by a few boats. The old church is a pleasing specimen of pointed architecture. Besides the parish church there aro a Pree church, a Unlted Presbytcriau church, the Parochial ehool and a Burgh school. Near the burgh, and on a cliff on the const are treces of a castle said to have been inhabited by Darid I. In A.n. S74, Crail was the scene of a kkimish with the Danon, who are believed to have built a wall or ridge from the ocean to the Frith of Forth, inclosing a part of this parish; a portion of tho wall remains, and is known as "the Dane's Dyke.' Stone coffins lave been discorered in the parish. Freestone is found in all parts of the parish of Crail. Fireciny bricks and chimney cans are masufactured; the coals consumed are imported.

The parish of Crail, the south-eastern angle of tho county, is sometimes called tho enst 'neuk,' or nook, of Fife. The Isle of May, in the Frith of Forth, about 6 miles S.E. from tho harbour of Crail, is reckoned as an outlying part of the parish. It is about a mile long and nearly as hroad, and is situated in $56^{\circ} 1^{\prime} \mathrm{N}$. lat., $2^{\circ} 32^{\prime}$ W. long. A few cattle and sheep are fed upon it , and a long haired kind of rahbit is found on the island. A lighthouse with a fixed light, visihle at a distance of 21 miles, was erected in 1843-4.
CRANBORNE, Dorsetshire, a borough and markct-town in the parish and hundred of Cranborne, is situated in $50^{\circ} 55^{\prime} \mathrm{N}$. lat., $1^{\circ} 54^{\prime}$ W. long.; distant 31 miles N.E. from Dorchester, and 93 milcs S. W. by W. from London. The population of the parish of Cranborne in 1851 was 2737 . Tho living is a vicarage with two curacies annexed in the archdeaconry of Dorset and diocese of Salisbury.

Cranborne is situnted near the head of the small river Allen. The town contains some good houses. The country around is pleasant and fertile. The parish church, which was formerly the church of a religious house founded here ahout the close of the 10 th century, is a commodious atructure; it has a tower of the perpendicular style. The pnlpit is of wood, richly carved, erected on a atone base. The population of Cranborne in ehiefly engaged in agriculture. The market, held on Thnrsday, is small; two fairs and one great cattle market ano held in the course of tho year. On Castle-hill are the remains of an ancient circular fortification.
(Hutchins, Dorset thire: Communication from Cranborne.)
CRANBROOK, Kcut, i market-town and the seat of a Poor-Law Union, in the parish and hundred of Crauhrook and lathe of Scray, is situated in $51^{\circ} 6^{\prime} \mathrm{N}$. lat, $0^{\circ} 32^{\prime} \mathrm{E}$. long. ; 30 miles S.W. from Canterbury, and 18 miles S. F. from London. The population of the town in 1851 wis 1652 . The living is a vicarage in the archdeaconry of Maidatoue and diocese of Canterbury. Cranbrook Poor-Law Union contains 6 parishes and townships, with an area of 40,205 acres, and a papulation in 1851 of 13,069 .

Cranhrook is the principal town in the Weald of Kent. It consists chiefly of two streets, the maiu street being ahout half a mile long. The house are irregularly built; the strects aro paved, and lighted with gas, and the sewerage in good. Cranbrook was at one time the centre of the clothing trade introduced by the Flemings who were induced to ecttle here in the time of Fdward III. It is now a mart for the agrienltural produce of the neighbourhood. A large amount of business is transacted in hops. The market-house is in the main street; the market, which is held on Wednesday, is chicfly fsr com and hops. A market for cattle is held once a fortnight. Fnim are held on May 30th and September 29th. The parish ehurch, a handsome and commodious edifice, in the perpendicular style, is situated on amall eminence near the centro of the town. The Bnptishes, Independents, and other Dissenters linvo places of worship in the town. Queen Elizabeth's Free Grnmmar achool, for the gratuitons education of the sons of persons residing in the parish, has an income from endowment of $600 \%$. a year, and lad 30 meholars in 1852, of whom 18 were on the foundation. At Dence's echool 16 boys, nominated by the trustees, aro gratuitounly tanght; thero is also a National school for boyn and girla. Petty gension are held monthly. In Cranhrook parinh are the ruins of Sisainghurst, a fine mansion, which leing used an a place of confinement for French prisoncrs in the lant century, received the uame of Sirainghumt Castlo.
(Harted, henf: Commwnication from Cranbrook.)
CRAONNF [AINNE]
CllATO. [ALEMTEOO.]
ClA YFOLLD. [Kпst.]
CRECY. [Ainne; Somme.]
CREDITON, Devonahiro, $n$ borough and market-town, and the seat of a Poor-Law Union, In the parish and hundred of Crediton, is situated In a railey on the banks of the small river Creedy, $\ln 50^{\circ} 47^{\prime}$ N. latu, $8^{\circ} 40^{\prime} \mathrm{W}$. long. ; distant 8 milen N. W. from Exeter, 180 miles S. W. from London by road, and 202 mile by the Grent W'entern and Exeter and Crediton railwnym, The population of the town of
Crediton $\ln 1851$ wan 8931 . The living is a vicarage In the archdeacoxry and dioceme of Exeter. Crediton Poor-Law Union contalne 29 parishes and towmahipa, with an area of 88,050 acren, and a population

Tho manor of Crediton belonged at an carly perionl to the Lithop 8 of Devonshire. A colleginte ehurch is said to have existed here in the timo of the Saxone. Thie church was made the eathedral churct about $\$ 10$; about 1010 the diocese of Crediton was eularged by the addition of that of Sin German's, which included Comwall: in $10^{\prime}, 0$ tho sce was remored to Lixcter. Tino present parish elurch vas formerly collegiate: it is cruciform, and the principal part of the building is into perpendicular. The tower, which rises from the interecetion of the eross, is 100 foot high. The lady chapel is now used as a Grammar echool. In the parvise is a library, chiefly theological, the hequest of a former vicar. There are places of worship for Baptists, Independents, Wealeyan Methodists, Mymouth Brethren, and Unitarians. National schools aro supportod partly by an endow. ment, but chicfly hy subscriptious : about 60 of tho childreu roceive elothing from the institution. An Infant school is supported hy voluntary contrihutions. The Frco Gramuar school, founded by charter of Edward VI., is endowed out of the tithes, with 100 L a year. Tho number of scholars in 1852 was 30. Each scholar pays 3l. a yenr head money. The school possensen 3 exhibitions of $60 \%$. each, tenable for 4 years at either unirersity. There are a mechanics institution, a public library, aud a news-room.

Crediton scut representatives to the Parliameut held at Carlisle iu the time of Edward 1. On the rise of the woollen manufacture in this part of the country, Crediton became ono of the most important seats of that branch of industry. Hand-loom weavers uow make some cloth in their own houses for manufacturers at Exeter and North Tawton. The principal occupation is slooe-making, which employs several hundred people. Crediton has at various periods been considerably injured by conflagrations. The town is divided into two parts, the East Town and the West Town. It is governed by a portreeve elected annually. Petty sessions and a county court are held. Under the provisions of an Improrement Aet obtained in 1836, commissioners werc appointed, whose jurisdictiou includes the town and suburbs. A commodious markct-place has been erected in the High-street. The town is lighted with gas. The market day is Saturday. Fairs are held in May, August, and September, and a great cattle market is held in April. Among the vcstiges of aucient buildings mny be mentioned St. Lawreuce's chapel, at the west end of the town, with the remains of windows of triple lights in the carly English style; it is uow used as cottagers' dwellings.
(Polwhele, Devonshire; Murray, IIandbook of Deron; Route Book of Devon; Communication from Creditom.)

CREFELD, or KREFELD, the chief town of the circle Crufeld, in the Prussaian province of Düsseldorf, stands iu n low marshy situntion, in $51^{\circ} 20^{\prime} \mathrm{N}$. latu, $6^{\circ} 32^{\prime} \mathrm{E}$. long., about 10 miles by railway N.W. from Düsscldorf, and has about 23,000 inhabitants, Tho town is well and regularly built, and bcing cacircled by gardeus and couutry seats is ono of the prettiost spots in this part of Germany: Tho town contains a Roman Catholic ehurch, two Protestant churches, a syuagogue, and a Mennonite chapel, an orphan asylum, hospitals, a house of correction, and a school for deaf-mates. The unnufactures to which Crefeld is indebted for its prosperity are silks and velvets; they are carried on both in the town and its immediato ueighbourhood, and afford employment to upwards of 6000 hands. More thas 900 hands are cmployed in the manufacture of ribands. The other branches of manufacture are cotton-yarn, woollcu cloths and kerseymeres, fanncl, stockiugs, linen, hats, gloves, thread, sowiug and embroidering silk, pins, sugar, spirits, tohacco, sonp nud stareh, iron and copper wares, leather, and felt hats. The trado of Crofold is brisk and oxtensive, particularly iu its owu products; it has theee good fairs in the courso of the year.

CREIL [OISE.]
CREMA. [1.0ni.]
CREMN1T/ (properly Kremnila), a miung town in lluugary, situnted in a uarrow gloomy valley closed in by seven high hills, is situnted in about $48^{\circ} 42^{\prime} \mathrm{N}$. lat., $18^{\circ} 53^{\prime} \mathrm{E}$. loug., and has 5000 inhabitauts. It is a royal free town, and tho place where tho enrliest mines in the kingdom wero opened. The inner town coutains the castle and only a few housea besides, but its suburhs are extensire. The population is motly Gorman and Sclavonian; they derivo their subsintence from the adjacent mines. Ainong tho buildings of note aro the archiepiscopal renidence, the principal church with two lofty richly-gilt stoeples and a coppered roof, built by the townsmen in 1161, four other churches, the chancery mint, town-linll, royal gyman. sium, Roman Catholic high echool, royal hospital for tho minorn, nn hompital for the townspeople, aul a couvent. It is the seat of a subordinate board of mines, and here the Cremuitz ducats are coined. The roynl mines in the neighbourhood prodnee gold (esteemed the finest obthined in Emrope) and silver; net employ between 800 and 1000 worknen. 'Tho waters of these mives contain a large quantity of sulphate of iron. The muelting and washiug works, which are supplied with excellent machinery, smolt not ouly all the ores found here but what the Schemuitz and Kleschlich mines yield. Tho produce of the Cremnitz mincs lins greatly fallen off of late years, amounting to no moro than 15,000 maren of silver and 250 maren of gold annually. The town contains two paper-mills, manufactories of eartheaware and red lead, and a vitriol factory. Tho towu is supphed with water by an aqueduct.

CREMONA, a province of Lomhardy, in Austrinn Italy, is bounded N. by the Oglio and the province of Brescia, E. by the Chiese and the province of Mantua, S. by the Po, which divides it from the duchy of Parma, and W. by the Adda, which separates it from the provincc of Lodi. Its greatest length is about 45 miles, and its breadth about 15 miles; it contains 523 square miles, and had according to the returns of 1851 n population of 204,558 . The surface is level, and the soil very fertile, yielding wheat, rice, maize, wine, oil, and flax. The white mulberry-tree is extensively cultivated for the production of silk. Cheese, wax, and honey are important articles of producc. Horses, horned cattle, and pigs are numerous. Although great facilities exist for irrigating the grounds, in conseqnence of the Po and the Oglioflowing within emhanked channels considerahly above the level of the adjacent soil, yet the system of irrigation does not prevail nearly to such an extent as in the Milanese. The chief manufactured fabrics are silks, calicoes, and linen; cream of tartar is prepared. The embankmeuts of the Oglio aud the Po require constaut vigilance, and are kept in repair at considerable expense, in order to prevent the disasters that would occur from the inundations to which these rivers are subject. The principal towns besidea Cremova are :-Casal Magyiore, on the left bank of the Po, a place of some commercial importance, with a population of 5000 ; Pizrighettone, a strong fortress on thc Adda, which has a popnlation of 4000 , including the suburb of Geria, on the right bank of the Po; and Castelleone, in the north-west of the province, which has 4000 inhabitants. Pizzighettone was originally huilt in 1125 as a defence ngainst the Milazese. Francis I. was detained here after the battle of Pavia It is defended by a bastioned wall and ditch, and cntered by two gates. Elementary education is nniversally diffused among the iuhabitants of the provincc.
CREMO'NA, the capital of the province of Cremoun, and a bishop's see, is situated 45 miles S.E. from Milan, on the north hank of the Po, and is surrounded by walls flanked with towers and wet ditches. A navigablo canal which joins the Oglio to the Po passes through the towo. The Po is navigable for large boats from Cremona to the sea. The torna, which is well built, with regular and wide strects, is five milcs in circumference, and has a population of about 37,000. C'remona has many good buildings, such as palaces and churches, all of which are adorned with frescoes and paintings hy native artists, the most noted of whom are Boccacino and the two Campi. The façade of the cathedral, which is a gothic building, is ormamented with curious sculptures representing the sigus of the zodiac and the rural lahonrs of the various seasons. The iuterior is rich in paintings aud sculptures; some of the latter aro by Succhi, a Cremonese artist of the 13 th century. The other remarkable churches are San Nazario, which contains some master-pieces of the brothers Campi, San Pictro al Po, Sant' Abbondio, San Lorenzo, Santa Pelagia, Sauta Agatha, and Santa Margherita, which is attached to the episcopal seminary aud was huilt under the direction of Girolamo Vida. The Circnmcision in the church of Santa Margherita is by Giulio Campi, and is saill to unitc the beauties of Rafaelle, Titian, and Correggio. At Santa Pelagia are two inscriptions in honour of Girolamo Vida, a distinguished prelate of the age of Leo $X$., who was a native of Cremona. The town-houso in the great square, the Campo Sauto near the Duomo, the new market, the theatre, and some of the gates of the town are worthy of noticc. But the famons Torazzo, or belfrytower, cndling in a spire, which is one of tho loftiest in Italy, is the wonder of Cremona. It stands close to the Duomo, but detached from it; there aro about 500 steps to asccud up to the bells. The spirc is a conspicuous object for many miles around in the plains of Lombardy. Ahout a mile outside of the town is tho church of San Sigismondo, rebuilt in the 15 th ceutury as it now stands hy Fraucisco Sforza I., duko of Nilan, who married here Bianca Viscouti : it consists of a navo surrounded by twelve chapels, and is adorncd by fine paintings and bas-reliefs. There are in Cremona several private gallerics of paintings. Cremona is tho residence of the delegate or governor of the province. It has civil, criminal, and conmmercial courts, a lyceum, a gymnasium, a school of the fine arts, and several iufant schools. It is also the first city in Italy where infant schools wero established in 1829 through the exertions of a priest named Aporti. There are also holiday schools at Cremona and in various parts of the province, in which boys above twelve years of nge who have left the elementary sch:ols receive instruction, especially in the branches of knowledge connected with the mechanical arts, drawing, \&c. These schools are open at certain hours on Sundays aud other holidays which are kept in Catholio countries.
Cremona carries on a considerable trade in agricultural produce by means of the Po and the various canals communicating with that river. It has manufactures of silks, cottons, porcelain, carthenwarc, and chemical products. It was formerly celebrated for its violins and musical strings, which branch of industry was hereditary in families, the most famous of which was the family of the Amati, who flourished from 1701 to 1739, and whose instruments are still in great repute. The high road from Milan to Mautua and Venice panses through Cremona. A large fair io held in the town at the end of September in each year.
Cremona was in tho territory of tho Galli Cenomani. It was olonised n.c. 219 by the Romans uuder the consuls T. Scmpronius Geos. Div, vots If.
and P. Cornelius, who at the time when Hannibal was marching against Italy (Tacitus, ‘Histor.,' iii. 34) settled 6000 men in Cremoua as a place of defence against the Gauls and other enemies from the north. In the following year it afforded shelter and winter quarters to Scipio after the battle of Trebia. It was besieged by the insurgent Gauls led by Hamilcar, but held out till the arrival of L. Furius, who routed the Gauls in a great battle under the walls of Cremona B.c. 200. A colony of 3000 new families were settled iu the city B.c. 190, and henceforth relieved from the pressure of wars it soon became a populous and flourishing town. In the civil wars of the triumvirate it took the side of Brutus, and was consequently plundered hy the soldiers of Octavianus, who divided its fertile fields among his veterans, the former owuers being driveu away, a calamity pathetically alluded to by Virgil ('Ecl.' i. 3; ix. 28). Virgil was born at Andes, between Cremona aud Mantua, and according to Donatus received his early education in Cremona. In the war between Vitellius and Vcspasian the citizens sided with the former, upon which the victorious army of Vespasian uuder Antonius Primus having entered the town plundered aud burnt it. Tacitus ('Hist.,' iii. 15-34) has given a fearful account of that catastrophe. The only building that escaped the couflagration was the temple of the goddcss Mefitis, or Mephitis, whose worship shows that the low marsh lands about Cremona were unhealthy in ancient as they are in modern times. Cremona was rebuilt hy Vespasian, but it never recovered its former prosperity. After the fall of the empire it was taken and a second time utterly destroyed by the Lomhard king Agilulfus A.D. 605. Iu the middle ages however it had risen agaiu to prosperity and became a large and populous city. It suffered severely at the hands of Frederick Barharossa, was afterwards distracted by the Guelph and Ghibeline factions, had its petty tyrants, aud at last fell under the dominion of the Visconti of Milan. The only remains of autiquity at Cremona are a few iuscriptions, one of which refers to the worship of Mephitis, mentioned by Tacitus.
CREPY. [AISNE.]
CRESSY, or CRECY. [Somme.]
CREST. [Drôme.]
cretan Sea. [Jgean Sea.]
CRETE. [Candia.]
CREUSE, an inlaud department of France, deriving its uame from one of the rivers by which it is watered. The department is of a compact form, approaching to oval, having its greatest leugth northwest and south-enst 68 miles, and its greatest hreadth at right angles to the length 50 miles. It lies hetween $45^{\circ} 39^{\prime}$ and $46^{\circ} 26^{\prime} \mathrm{N}$. lat. $1^{\circ} 24^{\prime}$ and $2^{\circ} 36^{\prime}$ E. long., and is bounded N. by the clepartmeuts of Indre and Cher, E. by those of Allier and Puy-de-Dôme, S. hy Corrèze, and W. hy Haute-Vienne. The area, according to the cadastral returns of 1851, is 2150 square miles, and the population, aceording to tho ceusus taken in that year, was 287,075 , or $132 \cdot 88$ to the square mile, being 41.83 below the average population per square mile for the whole of France.
The department is formed out of the districts of Combrailles and Haute-Marche, aud small portions of the Limousin and Berri. The surface is almost eutirely covered with hills, and contains uo valleys or plains of large extent. A great portion of the eastern houudary is formed hy that offeet of the Auvergue Mountaius which separates the basin of the Cher from that of the Allier, while the southern houndary is formed by the crest of auother range that forms the watershed between the Loire and the Dordogue. [Corrèze.] From the monutain mass in the angle between these two ranges, a chain runs due north into the centre of the department, wheice it turns northeast, separating in its whole length the waters of the Cher from those of the Creuse. Another chain, springing from the mouutains on the southern horder, runs for a considerable way along the western hank of the Creuse, and then diverges into numerous lives of hills which cover the west and north-west of the department. The spaces between these ranges of mountains and hills aro in many instances occupied by isolated or irrcgularly grouped clevatious, which are locally called 'puys,' and of which the hasalt aud scorio found near them clearly attest the volcauic origin. The mouutains generally consist of grauite aud clay-slate; none of them rise to any great height, perhaps not more than 660 feet at most above the general level of the departineut; but it must be remembered that the dcpartment of Creuse is on the watershed between the Gironde and the Loire. Many of their crests are naked and harren, hut their sides aro clothed with forests of timber-trces and chestnuts. The valleys are narrow, and each of them is watered hy a clear stream or river flowing over a gravelly bed. The situation of the department on the uortheru slopes of the Auvergue Mountains, and the extent of surface covered with mountainous plateaus, rivers, aud ponds, render the climate cold, moist, and variahle. A great deal of rain falls; storms are frequent; tho winter is long and rigorous; autumn is tho only fine season.
T'he River Creuse, which gives name to the department, springs from tho mountains on the southern horder, and flows through a narrow valley first northward ns far as Auhusson, and thence uorthwcst, dividing the department into two nearly equal portious. Entering the department of Indro, it passes Argenton, a little helow which it turns west as far ns Lc-blanc, where, resuming its original
north-western direction, it divides for eeveral miles the departmenta of Vionno and Indro-at-Loiro, pasees Guorohe and La-llaye, and ontern tho Vienne on the right bank a fow milen north-west of the latter town. Its whole longth is about 180 milo, ouly $\$ 1$ of which are navigable. It is subjoct to tlood, which frequently riso to tho height of $\$ 0$ feet $\ln$ the narrow valley druined hy it in thin department; but in summer it is in many places almont dry. The weatom slope of the departmsnt is dmined by tho Maudo and the Thorion, feeders of the Vienne, aud hy the Gartempe and the Sedolle, feeders of the Crenso. Tho eastern part is drained by the Cher (which has Its sourco hore) and its trihutary the Tardes, "which is itself fed hy the Vouize. The Pelife-Crewse rives in the departmont of Allios, a little beyond the cantem border of Crense, and fowing weat at tho baso of a range of hilla which stretchos along the northern boundary, enters the Creuso on the right bank near the north-western angle of tbo department None of these rivers is navigahle in this department; loose timber is floated down unost of thom.
Tho department contrius $1,376,007$ serea, of which aren 592,560 neres are capablo of cultivation, 827,030 acres are natural pastures, 81,840 acres are covered with weods and forests, and 297,800 acres consint of wild moors covered with heath, gorse, fern, and hroom, Hye la tho chief ohject of oultivation; huckwheat, oats, potatoes, and turnips are alno raised. Agrieulture is in a very backward state; the consumption exceeds the produce. The best land is in the hasin of the Cher in tho cast of the department; in the other parta the soil is poor. Chestnute, walnuts, and cherries are very generally grown; the canton of St.Feyro is famous for ita apples. Horned cattle and horses are numerous, but small in size; the sheep are much esteemed for tbeir flesh, hut they are amall, and their wool is had. Great mmbers of pigs ane reared, and whon fattened these animals form the most important cxport of the department. Asses and inules aro commonly used as beasta of hurden. Honoy of good quality is gathered, and game is plentiful. Ths farms are in geucral divided hy quicknet hedges, in which are planted trees of different kinds, so that the country bas in many parts a rery pleasing appearanoe. The apring and summer pasture on the hills is partioularly good.

Iron, copper, manganewe, antimony, and lead are found; coal mines are worked; granite and huilding stone aro quarried, and pottor's clay of good quality is raieed. The department is famous for tho manufacture of tapestry and carpets. Coarse calicoes, worsted aud cotton yarn, leather, and paper are also made. Great numbers of the inbabitants omigrabo yearly, and aro to be met with in most parts of France, as atone-masons, tilers, sawyers, hemp aud wool combers, flaxdressers, carpentors, \&c. A large part of the human hair supplied to the hsirdrensers of the capital comes from this department, the young women generally hartering their hair for ilk handkerchiefs, shawls, and other articles of dress temptingly exposed for sale at the doors of the perruquiers' shops during fair-time. About 275 faire are held in the Jear. IRoadway accommodntion is afforded by six state aud nine departmontal roads, the total length of which is 496 milcs. The department contains several bundreds of wind and watermills, one iron foundry, 87 factories of differsnt kinds.

The department in divided into four arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondisaments. | Cantons. | Communce. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Guéret . . | 7 | 77 | 98,286 |
| 2. Aubusson | 10 | 113 | 106,010 |
| 3. Bourganeal | , | 49 | 42,673 |
| 4. Boureac. | 4 | 37 | 89,497 |
| Tetal | 23 | 296 | 287,072 |

1. In the firat arrondiswement the chlef town in Cheref, formerly the capital of Hauto-3arohe, hut now of the department of Crousa. It is ittuated on the slope of a hill between the Creuse and the Gartempo, and lias a trihunal of $\mathbb{a r a t}$ lantance, A college, publio library, and 4146 lahahitarate, Ineluding the whole commune. Guéret has some trule in cattlo and hutter. It grew up around a monastery huilt here In A.D. 720. The town beame the remldence of the counta of La-Marche whe fortifed it and bullt a castle here, part of which atill remaina. Charles Vili. oocupled the castle lu his war agaiust the Damphín, anerwirds Louis XI. Guéret han neat elean streotn, in which aro neveral fountain. Among the other towns the most important are the following: the population given ln that of the commune. Ahum, 10 mile $N$. from duéret, in a nimtriet fnmous for cattlo and dalsy produce, and near a largo coal-fold, han 2212 inliabitants. flomal, lu which thero are noteral loman remaina, has a population of 2930 . Salogmac, on the left bank of the Garternpe, ham 2901 inhabitants. Candouferraine, an ancient town on the Sedelle, takes its name from a large cavern near it, in which there is a ntream that turn a mill; it han linen factorica, and 3092 inhahitanth. St.-Vaulry, 0 miles N. W. from Guéret, has a poprulatlon of 2522.
2. Of the second arrondimement the chief town is Aubusom, whleh stands on the Crense in a wild rocky rlefilo, 20 milen S.E. from Quéret; it ls an ilf-built but improving town, with a tribunal of firnt instance, and 5190 Inluabitante, who mamifacture carpets, tapeatry, coame woolleng, and ealicoes. The town also has woollen and cotton

Jarn factories dyohouses, and tan-yards Tho town of Auhumen oprung up in the 8th contury round astrong castle, part of whieh still remaine bearing marks of loonan construction. The lord of the cantlo affordod protoction to a party of Sameens who oscapod from tho defeat of Ahderrahman by Charles Martel (A.D. 732 ); they settloilhere, and entahlisherl the wool-lying and tanuing trades, to which tho town owes its prosperity. Firakr, formorly tho capital of l'ays-do-Combrailles, atanda in a well-oultivated plain between tho Cher and tho Tarles; it is a walled town, and has a population of 2008 . In a marrow valley about half a milo north of tho town aro hot springs and hathe, which appear from some constructions about tbcm to have boen known to the Romans. The two bottest aprings, callod Cresar's Wells, have a tomperaturo of $152^{\circ}$ Falir. Thero are several other aprings licre, tho tamperaturo of the coldeat is iudicated by $\mathrm{SO}^{\circ}$ Fahr. These waters are froquented from May to tho end of September; they are uapl both as drink and for baths, and ane adrantageous la ceases of inuscular rhoumatism, old ulcers, acrofulous tumours, aud all cutaneous dirensen, Pelletin, on the right bank of tho Crouse, is an ancient town with a colloge and 8814 inhabitants, who manufacture cloth, coarse cottons, excollent carpets, worstod, paper, leather, \&c. Chemercilles, 10 niled N. from Aubusson, formerly a fortified town, now a amall plaes of 1100 inhahitants, deserves montion on account of the great number of Roman remains, funeral urns, nud medals found noar it.
3. The third arrondissement takes its name from its chief town Bourganeuf, which is prettily situated on an eminence near the left bank of the Thorion, and has a trihunal of first justance, some paper and porcslain factories, and 3095 inhabitants. In the priory of Bourgaueuf, which was then a comenaudery of the Knights of St. John of Jerusalem, Zizim, the clder brother of the Sultan Bajazet 11., found an asylum. A lofty tower, solidly huilt with cut stone, is snid to have heen erected by that prines, and is called by his name. There is a large conl-field near Bourganeuf, and some irou mincs are worked. Royire, 10 miles from Bourganeuf, has a population of 2451 , Bénévent (formerly ealled Segunzelas), and Pontarion, near which are extensive caveras and the remains of a liomau hridge over the Thorion, are small places that give namas to the other cantons.
4. Tho fourth arrondissement is named from Boussac or Boussaclille, once an important fortress situnted in a mountain gorge at the junction of the Veron and the Petite-Creuse. The town stauds ons a steep rock and is surrounded by walls flanked with towers. It is commanded by an old castle aituatod on the summit of a lofty rock ahove the Petite-Creuse. This eastle is still in good repair, and its ramparts and towers form perhaps the most iuteresting struoture of the kind in the department. Near Boussan is Boussac-Jourg; tho united population of the two places is 2212. Chambon, in the fork between the Tardes and the Vouize, which meet below the town, has a trihunal of first instanco, some Celtio and llomau remains, and 2125 inbahitants. Aocording to Baraillouin his 'Reehercbes llistoriques sur le Dapartenent de la Creuse,' Chambon marks the sito of tho chicf town of tho Camhiovicenses, named in the 'Peutinger Tables.' Auzance, in a marshy diatrict near the source of the Cher aud Chatelus, W. of Joussa, are villages which give names to tho other cantons.

The department of Creuse, together with that of Hauto-Vionne, forms the see of the Bislop of Limoges. It is comprised in the jurisdiction of the Iligh Court of Limoges, and belongs to the 21 st Military Division, of which Limogos is head-quarters.
(Dictionnaire de la France; Annuaire pour l'An 1853.)
CREUTV. [CROATIA.]
ClREUZNACI, properly KREUZNACH, a town in tho administrative goverament of Coblenz, in the Prussinn province of the Rhine, is situated on the banks of the Nabe, which is here trarersed hy a stone bridgo, in the centre of a rich and delightful country, in $49^{\circ} 51^{\prime}$ N. lat., $7^{\circ} 63^{\prime}$ Fis long., 40 miles S. from Cohleuz, 6 miles S. from Bingen, and hus about 0000 inlabitants. It is supposed to have becn the sito of a Roman castrum. It is built in tho old stylo, without any regular plan, and tho streeta aro narrow and crooked; it has two Roinnn Catholic and two Protestant churchon, a synagogue, a gymnasium, aud an horpital. The town has eomo trade in corn, wino, cattle, salt, finx, Rec, and manufnoturea of leather, woollen eloth, brandy, tnbacco, anuff, aud sonp. There are importaut maltworks close to the town on the banks of the Nahe. The environs of the towu ahound in beautiful scenery and interesting sitas. Kreuzunch has reoently risen into groat repute as a wateriug-place.

CREWH: Cheshlre, a town in tho parish of Coppenhall and hundred of Nantwich, is situated lu $63^{\circ} 5^{\prime} \mathrm{N}^{\mathrm{N}} . \operatorname{lat}, 2^{\circ} 25^{\circ} \mathrm{W}$. long., distant 24 miles Sis. by E. from Choster, 166 niles N. W. from London by raad, and 1571 milea by the Jondon and North-Western railway via Treat Valley. The population of tho town of Crewe in 1851 was 4491. The living is a perpetunl curacy in the archdeaconry and dioceno of Chester.

The town of Crowe owes lts erection entirely to the formation of the London and North- Wectern lino of railway. The iuhabitanta consist chiefly of persons in the employment of the railway eompany, with their families. The houses and shope are well built; the streets are wirle, and the footpaths are laid with aphalta. The town is lighted with gas, and well suppliod with water, a powcrful steampump supplying at once the enginem in the extensive workshops of
the company, the locomotive engines, and the houses in the town. The water intended to be used by the inhabitants passes through two filtering processes before reaching the houses. Baths are also provided at a cheap rate. The town of Crewe has a council for the management of the affairs of the community; two-thirds of the council are elected by the workmen and inhabitauts, and one-third by the directors of the railway company. A church has been erected hy the company: the Wesleyan, Primitire, and New Connexion Methodists, Independents, Scotch Presbyterians, Baptists, and Roman Catholics have places of worship. Schools for boys, girls, and infants have been provided by the company, and a library and a mechanics institution are supported by subscription. Medical attendance and mediclne are secured for the workmen and thcir familics on payment of a small weekly rate, the highest charge (that for a married man with a family) being $2 d$. per week. A field in the neighbourhood is used for cricket-playing. The railway station at Crewo is very spacious. From this place branch off five lines of railway, affording ready means of communlcation with all parts of the country. The workshops and machinery of the North-Western Railway Company at Crewe are on a very extensive scale. Railway carriages and locomotive engines are manufactured and repaired. The number of carriages of all kinds maintained at Crewe amounts to about 700 , of which 100 at a time are usually under repair. Crewe Hall, the seat of Lord Crewe, is in Crewe tornship, about one mile from the railway station.
(Head, Stokers and Pokers; Communication from Crewe.)
CREWKERNE, Somersetshire, a warket-town in the parish and hundred of Crewkerne, is situated in a valley watered by the rivers Parret and Isle, in $50^{\circ} 47^{\prime} \mathrm{N}$. lat., $2^{\circ} 47^{\prime} \mathrm{W}$. long., distant 46 miles S. by W. from Bristol, and 132 miles S.W. by $W$ W. from London. The population of the town in 1851 was 3303 . The living ls a perpetual curacy in the archdeaconry of Taunton and diocese of Bath and Wella
At the time of the Domesday Survey, Crewkerne belonged to the king; the name was then written Cruche. The markethouse stands in a spacious market-place in the centre of the town. The streets are paved; the houses are in general well built, and the town is lighted with gas. The parish church is cruciform, and has an embattled tower rising from the intersection of the nave and transepts. The Methodists, Baptists, and Unitarians have places of worship. The Free Grammar school has an endowment of about 300l. a year, and several exhibitions, which are open to the competition of the scholars. The number of scholars in 1851 was 56 . There are Day and Infant schools, of which two have small endowments. The principal manufacture of Crewkerne is that of sail-cloth and sacking; some dowlas and stockings are also made. The market, chiefly for corn, is on Saturday: a fair is held annually on September 4th.

CRICH, Derbyshire, a town formerly possessing a markct, in the parish of Crich, and hundred of Morleston and Litchurch, is situated in $53^{\circ} 5^{\prime} \mathrm{N}$. lat., $1^{\circ} 27^{\prime} \mathrm{W}$. long.; distant 12 miles N. from Derby, and 126 miles N.N.W. from London by road : Ambergate station of the Nidland railway, which is near Crich, is $142 \frac{1}{2}$ miles from London. The popnlation of the parish of Crich was 3670 in 1851.

The town is built on a lofty limestone hill. The parish church, from its position, is a very conspicuous object: it is an ancient structure, and its lofty spire serves as a landmark for miles around. The Wesleyan and Primitive Methodists and General Baptists have places of worship. There are a National achool and a lending library. The inhabitants are chiefly etgaged in working lead-mines, in quarrying of limestone, and in burning it to lime. Frame-work knitting is carried on in dwelling-houses. Attempts have been made on several occasions to revive the market formerly held at Crich, but these attempts were unsuccessful. Two fairs for cattle and pedlery are held in the course of the year. From Crich Cliff are obtained views of scenery of surprising extent and varied beauty.
(Land We Live In, vol. iii. ; Communication from Crich.)
CRICKHOWFLL, Brecknockshire, a market-town, and the seat of a Poor-Law Union, in the parish and hundred of Crickhowell, is picturesquely situated on the river Usk, in $51^{\circ} 52^{\prime} \mathrm{N}$. lat., $3^{\circ} 8^{\prime}$ W. long. ; distant 13 miles S.E. from Brecknock, and 157 miles W. by N. from London. The population of the parish of Crickhowell in 1851 was 1403. The living is a vicarage in the archdcaconry of Brecon and diocese of St David's. Crickhowell Poor-Law Union contains 10 parishes and townships, with an area of 44,198 acres, and a population in 1851 of 21,674 .

Crickhowell is nominally a borough. The parish church is of early English style, erected about the 14 th century; the side aisles are modern. The Weslcyan Methodista, Welsh Calvinistic Methodists and Baptists have places of worship. There are three parochial church schools, a dispensary, and a savings bank. A county court and petty sessions are held in the town. The town-hall has underneath it tho market-bouse. The market-day is Thursday; five fairs are hell in the course of the year.
Crickhowell is much resorted to by tourists in the summer. In the upper part of the town is a fine gatohouse of the time of Henry VII. There are some remains of Crickhowell Castle, erected by Edward I. In the neighbourhood are Llangattock Park, a
remidence of the Duke of Beaufort, and Glanaali Park, the seat of J. renidence of the Duke of Beaufort, and Glanash Park, the seat of J.
Bailcy, Eisq., M. P. Druidical remains have been found near the
town. A cairn was recently discovered at Llangattock Park, in Which were found human bones and charcoal, also several coins of the reign of Constantine.
(Communication from Crickhowell.)
CRICKLADE, Wiltshire, a parliamentary borough, formerly a market-town, and conjointly with Wootton Bassett the seat of a Poor-Law Union, is situated in a level tract of country on the right bank of the Thames, in $51^{\circ} 38^{\prime} \mathrm{N}$. lat., $1^{\circ} 50^{\prime} \mathrm{W}$. long.; distant 26 miles N. by E. from Devizes, 84 miles W. by N. from Jondon. The population of the parish of St. Mary in 1851 was 431 , that of St. Sampson was 1475 ; the population of the parliameutary borough (which fucludes a large agricultural district) was 35,503. The borough returns two members to the Imperial Parliament. The liviugs, a vicarage and a rectory, are in the archdeaconry of Bristol and diocese of Gloucester and Bristol. Cricklade and Wootton Bassett Poor-Law Union contains 14 parishes and townships, with an area of 44,348 acres, and a population in 1851 of 11,406 .
Cricklade appears to be a place of considerable antlquity. The ford over the Thames was often contested in the Saxon times. In the jear 905 the town was plundered by the Danes, and Canute in 1016 crossed the river here with his army. A prlory was founded here in the reign of Heary III. The hospital, supposed to have belonged to the priory, now affords dwellings for the poor. The parish church of St. Mary is ancient; sone portions are of Norman architecture; a gothic cross wlth canopied niches stands in the churchyard. The church of St. Sampson's parish is a spacious cruciform edifice. It has a lofty embattled tower surmounted with plnnacles, and highly ormamented with niches and pedestals. Three chapels for Dissenters are in the town; and two National schools are supported by voluntary contributions. There are several parochial charities. A weekly market formerly held on Saturday has long been discontinued : a market for cattle held on the third Tuesday of every month is well attended. Petty sessions are held. Cricklade has sent representatives to Parliament since the reign of Edward 1. The Thames and Severn Canal passes near the town, and a branch canal passes through it, forming a junction at Siwindon with the Wilts and Berkshire Canal.
(Hoare, Wiltshire; Communication from Cricklade.)
CRIEFF, Perthshlre, Scotland, a manufacturing town beautifully situated near the left bank of the rlver Earn, in $56^{\circ} 23^{\prime}$ N. Int., $3^{\circ} 4^{\prime}$ W. long.; distant 17 miles W. from Perth, and 50 miles N.W. from Ediuburgh. The population of the town in 1851 was 3824.

Crieff is built on a rising ground at the foot of the Grampians, and is much resorted to in summer by invalids for its mild climate. The houses are in general well built. There are two churches of the Establishment, and chapels for Unitcd Presbyterians, the Free Church, Scottish Episcopalians, English Episcopalians, and Roman Catholics. The town is well supplicd with water, and lighted with gas. The townhouse, in which is the jail, has a spire. There are a savings bauk, a subscription reading-room, threc public libraries, a mechanics institution, a Freemasons-halland a Weavers-hall. Several falrs are held at Crieff in the course of the year. In addition to the parish school there is an academy called Taylor's Institution, endowed by Mr. Taylor of Cornton, and founded about ten years ago.
A curious old cross stands near the town-house. Cotton gcuds and a slight linen fabric called Silesias are mauufactured at Crieff, A considerable number of the inhabitants are weavers for Glasgow manufacturers. There are a woollen-mill and a tan-works. Tambourworking and other similar occupations are pursued by the females. Over the river Earn is a handsome bridge of four arches, which connects Crieff with the village of Bridgend. In the vicinity of Crieff is Glen Almond, the strath or vale of the Almond, nuch admired for its scenery. Trinity college, iu connection with the Scottish Episcopal Church, and under the management of its prelates, was opened in Glen Almond in 1847. There are a public school department and a theological students department. In 1852 there were 12 students in the theological classes, and 63 scholars in the public school. Various bursaries or exhibitions have been founded for the students. The extensive parks of Drummond Castlo and Ochtertyre are within view of the town.
(New Statistical Account of Scotland; Communication from Crieff.)
CRIMEA, or KRIM TARTARY, the ancient Taurica Chersonesus, a peninsula in the south of European Russia, lies between $44^{\circ} 20^{\prime}$ and $46^{\circ} 10^{\prime} \mathrm{N}$. lat., $32^{\circ} 40^{\prime}$ and $36^{\circ} 30^{\prime} \mathrm{E}$. long., and forms the southern part of the governmeut of Taurida. The peninsula of Crimea forms a quadrilateral figure, the sides of which are respectively dirceted to the north-east, north-west, south-west, and south-east, aud the avgles to the cardinal points. At the northern angle it is connected with the contineut by the isthmus of Perekop, which is about twenty miles in leugth. From the eastern point a small peninsula stretches out bctwecn the Sea of Azof and the Black Sea, terminating on the west shore of the Strait of Yenikal反. Ou three sides the Crimea is inclosed by the Black Sea; on the north-enst it is washed by the Sea of Azof. Its area may be about 8600 square miles. At Perekop (called Or Kapi by the Tartars), at the northern end of the isthmus, there still remains a strong rampart erceted by the Turks, which extends from the Black Sca to the Siwash or Putrid Sea, an arm of the Sea of Azof. It consists of a decp trench about 12 fathoms wido
and 25 feet deep, and of a double wall built of freestone, whlch howerer has beon somewhat injured by the effects of time. Five batteries aro erected along this line. Ferckop stinds on or uenr the site of the ancient Taphros, which took its name from the 'trench' or fosee whlch in the remotest times formed part of the defences of the isthmus.
The isthaus of Porekop and threefourths of the peninsula (being the northeru part) form an arid plain or steppe, which is occanionally disersified with deoper spots of ground or hollows. The soil for the most part consists of aand or aund comblned with clay. Towards both seas there are numerous sal-lakes, some of which aro from 15 to 20 suiles ln circuit. The plain declines lmperceptibly towards the lakes, and in destitute of water and wood; but in some parts it is covered with a graes eward. Thore aro here very few inbabitanta

Along the south-antern shores a mountainous tract extends from Cape Khersonese to Kaffa ; heuce to the Strait of Yeuikald it is hilly. The menn width of this tract is about 20 miles, and its whole extent probably about 2000 square niles. That portion of this region which is to tho west of the harbours of Sevastopol and Balaclava forms a peninsula callerl by tho Greeks the Heraclootic Chersonesus, from haring been colonised by settlers from Heracleia in Asia Minor. From Cape Khereoneso the country gradually rises in a sloping plain, occusionally diverrified with hills. Tho coast presents an interesting appearance, the hill-slopes being occupied by numerous Tartar villages, rineyanle, and country seata Among the mansions scattered aloug this const the princlpal are Livadia, the seat of Count Potocki; aud Alnpla, the residence of Count Woronzoff. Alupka is a mansion of palstial splendour, built nnder the superintendence of Mr. Hnat, an fonglishman, from the denigns of Mr. Blore. To the east of Balaclara the heights attain the elevation of mountains, which run like an immeneo wall from that town to Alushta. The coast here consists of cliffs generally several hundred feet in height, and forming numerous headlands and dreadful precipices. At a distance of from one to two miles from the coast tho mountains attain a height of 2000 feet and upwards. From this rapid slope a few torrents descend, the beds of which are filled by heary rains or the melting of the snow. Tho summit of the mountains consists of extensive flats, which sometimes extend several miles. These mountain table-lands, called by the Tartars 'Yailas,' aro ouly risited by them during hot summers on account of the rich pastures which they supply for cattle; some of them are covered with snow till the latter end of May. North of tho Yailas the mountains gradually descend, forming numerous but nnrrow lateral ridges, which inclose delicious and nometimes wide valleys. The ridges by degrees sink down into hills, which terminate in the northern plain.

Went of Aluahten is the Babngan Ynila, which is wearly as high ns the Chatyr-Dag, or Tent Mountain, which stands to the north-east of It and is separated from it by a considerable depression. A like depremion occurs on the cast, and divides the Chatyr-Dag from Teminlshi Yaila, whlch in much less olevated. Thus the Chatyr-Dag with itn flat summit appears like an immense table, and on that accomit in probably called by Strabo Trapesus (vii. 300, Carnub). On its flat summit rise several eminences like tenta, from which the name is derived which is given to the mountain by the Tartare Theso bummits, which rise 5040 feet abore the level of tbo Ber, aro the highest mountains in the Crimea. The ChatyrDag and the eastera chain, which extends to Kaffa from the Temirdshi Yaila, aro more distant from the const than tho western elasin, and a number of small atreamlets descond from tho helghts and drain some fine valleys along the sea-coast. Towards Kaffa the mountaina decrease in elevation, and terminato about a mile from the western shores of the open bay on which that town is built.

The country between the Bay of Kaffa and the Siwash or Putrid Sien ia a plain very elightly undulnting, but enstward of Kaffa tho surface presents considerable varicty of elevation; near tho shore of the Strait of Yenikald at Kertsh the country is traversed by scveral ridges running nearly mouth and north, on which numerous craggy pointa rive to 300 or 400 feet abovo tho sea. Near Kertah, and between It and Yeniknle, the peninsula terminates with a rocky though not an eleratod shore. This peninsula between the Black Sea and the Sea of Azof is remarkable for ith mud volcanoes, of whilch Pallas particuIarinee the hill callod D'shtube, situated nearly in its centrc. In some parts aaphthe or petroleum in found.

From the wevtern end of thia peninsula, at the point where Arabat is aituated, extends in a nortli-north-west direction a narrow strip of land which divides the Siwah or Putrid Sea from the Sen of Azof. It is on an average hardly 300 yards wide, upwards of 70 miles loug, and very low; It conmints towarda the aouth of shelly sand, in which nome scattered planta thrivo with luxnriance, but farther on the noil exhlhits only common mand, moro or leas consolidated, and of a salino mature It contains neveral amall salt-laken, nad along it low beach heapmof mall aro thmwn out by the sea. This narow tongue, callod the lathmue of Arabat, In divided from the Nogay-Steppe by a narrow strait called the Strait of Ienlembe or Tonke, and in inhabited ouly by a few innkeopers: the peamanh of liantern Rumia bring provisionm along this tract to Kaffa, and tako back finh

Numerous rivulets descend from the northern declivity of the mountains and form sereral rivers, an tho Katahkn, Alman, and

Sulghyr, all of whieh havo very broad beds, though in summer they contain very little wator and run slowly; but when the suow melis on the Yailas they become rapid, broad, and doep rivers.
The winters aro colld and the mmmere hot. In very severe winters the mercury sometimon ainks $9^{\circ}$ Lelow zero, and not ouly the whole Son of Azof, together with the Strait of Yonikalf, but also a grent part of tho Bay of hisira is covered with ioe ntrong onough to support men on foot and on horseback. The elimato is ao unsettled, that it often varies six or eight times In twenty-four hours. The winds are very rariable, and bring rain from the weat and south-west, mild air and freqnent mists from the south, screno dry weather from the enst, and cold from the north. In spring the weather is settled, the heat moderate and refreshiug, and the nights cold and serene ; there is seldom any rain, especially during the prevalence of violent cast windes, in which case, unless a considerable fall of rain happens in April and May, an unproductive harrest frequently follown. In summer tho thermo. moter frequently rises to $100^{\circ}$ and even $102^{\circ}$. On the anme day however it falls sometimes 20 or even 30 degrees. Droughte freyuently prevail for several successive years, aud dry up the wells and brooks Few summers pass in which the recdurs on the hills is not parehel up. Thunder-atorms rarely occur, but when they do they are tremendous and nometimes accompanied by hail-stones and destructive water-spouts. In spring and summer rainy weather seldom continnes so long as twenty-four bours. In antumn bilious fovers prevail. Cold days oceur in the midale of October, and are generally necompanied with night frosts, but afterwards tho weather again becomes pleasant, and frequently continues mild till Docember and Jauuary.
The crops cultivated in open fields are wheat, rye, barley, onts, maize, spelt, willet, click-peas, flax, and tobacco. In the gardens are raised melons, water-melons, cucumbera, gourds, artichokes, cabbajees, onions, garlic, leeks, broccoli, celery, pardey, carrots, and red beets. The numerous and extensive orehards in the rallcys produce peure, apples, quinces, plums, cherries, peachen, npricots, almonds, luedlars, figs, pomegranates, mulberrice, and nuta. Some of theso trees grow also wild on the declivities of the mountains. The forest-trees, which corer a great portion of the declivities of the mountains, especinlly on the northern side, are onk, beceh, clus, poplara, lime-trees, maples, ash, aud pines (Pinus maritima). Houey of excellent quality is obtained. Much atteution lans been paid to the cultivation of the vine. The wiue howerer is inferior to that produced in Ilnagary and France. Of the camel with two humps there are several thousandy in the comutry. Great attention is paid by the Tartar noblemen to the breeding of horses. Those of the mountainous distriets are small, but uncominonly lardy and sure-footed. The horned cattle are of a middling size in the plains, but small in the mountains. There are three rarieties of sheep, all of which have a long tail, which for half its length is overgrown with fat and coverel with conrse wool. One variety, Which pastures ou the plain lying nlong the Black Sen between Koslow and Perekop, produces the celebrated Crinean lamb-skine, of which more than 30,000 are sometimes annunlly ceported to Poland and Germany: Of black lamb-skins more than 50,000 or 60,000 are annually exported. The mouutain sheep are smaller, but celebrated for their soft fine wool.
Sturgeons are taken on the shores of the Sen of Azof, in tho Strait of Yenikal6, and in the Bay of Kaffa Cavlar is made, and a little isiugloss. Salt, the only mineral that is abundant, is found at the bottom of tho salt lakes during the sumner lieat. Salt in groat quantities is exported to Southern Russia, and much is almo slipped to Anatolia and Turkey from tho ports of Kertsh, Kafia, and Koalow.
Tho population of the Crimen is about 200,000 . More than two thirds of its inhabitants are a mixture of Mongole and Turke, and are called Tartars. Those who live on the plain show in thetr features their Tartar origin ; but those in the northern vallegs display a strong mixture of Turkinh blood, eqpecially tho noblemen ('murses'), in whom the Tartar features are entirely obliterated. Besides the Tartars, Russians and Germans are fonnd, who have been transplanted iu modern times as colonists; and Greeks, who seem to have always formed a portion of the population, but have considerably increased in latter times.
In the interior, at the northern extrenity of the hilly country, is the tomn of Simferopol, or Almeshed, tho enpital, not far from the sonrees of the river Salghyr, with 8000 inhabitanta. The wwn contains a cathedral, several cluyches, mosques, barracks, an hospital, a Tartar school, and many good dwellinge. The houses are in general painted green, and adorned with rown of columns. About 25 miles E.N.E. from Simferopol ts the town of Kirasubazar, with 15,000 iuhabitauta, and some manufactures of morocco leather, candles, soap, pottery, and tiles. It contains a Grcek church, two Roman Catholie elhurches, and a nynagoguc. Consideralile trade Is carried on. A weekly marlet and an annual fair are held. In the mountains is the town of Baktchesarai, the ancient residence of the Khans of the Crimea [Baktchearar.]
The most frequented harbours are on the south-western coast. Koslon or Eupatoria, with 7000 inhalitante, montly Tartars and Jewa, a fino mosque, a Tartar achool, an hospital, and a custon house exports malt to Anatolia and Turkey. Secastopol, formerly Alithiar, in the princlpal station of the Ruseian fleet in the Black Sea. Only vessels of war aro admitted to tho port. Including the soldiers and
marines forming the garrison the populstion is about 30,000 . The town possesses a fine cathedral. There are here five extensive docks, constructed for the Russian government by Colonel Upton the distinguished civil engineer. The ecntre dock will accommodate a first rate ship of the largest size : two docks are for 74 -gun ships, and two for frigates. The five docks occupy two sides of a quadrangular basin. Iuto this basin ships are introdueed by three locks, each having a rise of 10 feet, so that the surface of the water in the basin is 30 feet ahove the level of the sea. The bottom of each doek is 3 feet above the sea level. Water is supplied to the dock basin by a canal from the Tcherney-Ruilka (the Black River). A reservoir is connected with the eanal for the purpose of supplying the docks in case of the failure of water in the rivulet. The ground over which the canal passes is rough and uneven; and the works include an embankment, threo aqueducts, and two tunnels. The docks are constructed of ficestone and granite, the granite being employed at the gates and where extra preasure is likely to be felt. The capstans and all the machinery of the locks are of English manufacture. Three forts, named respectively Alexander, Constantine, and Nicholas, defend the approach, the entrance, and the interior of the harbour. The expense of the works was about firc or six millions of rubles. With the exception of the docks, the fortifications, and the cathedral, there is little to notice about Sevastopol. The town is (or was recently) undefended on the landside. Sevastopol possesses a very fiue harbour. The depth of water will allow tho largest line-of-battle ships to lic close to the shore. In winter the Russian flcet is laid up lere, and the crews go into barracks. A short distance cast from Sevastopol is Inkerman, at which are sevcral chapcls and chambers cut out of the freestone rocks. These chamhers are said to hare been used hy the Arians as a place of retreat from persecution. There is a goorl carriage road from Sevastopol to Balitchesarai. Balaclava and Kafra are described in separate articles. On the Strait of Yenikalé is Kertsh or Kiertsh, a thriving place, with about 4000 inhabitants. There is here an interesting museum containing a large collection of medals, Greek vases, gold ornaments, and other antiquities dug up from the tumuli in the vicinity of the town. The muscum includes also a few Roman remains. Kertsh roads are generally crowded with shipping, as vesscls proceeding to the Sea or Azof must perform quarantine here. Kertsh is a free port. It exports malt, com, luides, salted fish, and eaviar. In its neighbourhood are the extensive ruins of tho ancient town of Panticapæum, once the residence of Mithridates. Yenikale, at the entrance of tho strait, is a small fortress, with 1700 inhahitants, who are almost all of Greek descent. Alushita, on the south-east coast, at the eastern extremity of a pass which leads across the Chatyr-Dag from Simferopol, has become a commercial town of somo importance. In the time of the Gcnoese it was a populous place, and under the Byzantine emperors it was the seat of a bishop. There was a large fortress here huilt hy the emperor Justinian. The town however has little to show exeept the ruins of former grandeur. Tho neighbourhond of the Chatgr-Dag renders the scenery peculiarly intercsting. The fortress of Perehop, on the isthmus, has 900 inhabitanta, many of whom are Jews. In the fortress are a palace, barracks, a mosque, and a Greek church.

Manufacturing industry is confined to the preparation of leather and moroceo in Baktehesarai, Karasubazar, and Koslow, and to eutlery and sadlers' and shoemnkers' work at Baktchessrai. In some places coarso earthenware is made. The Greeks in the neighhourhood of Kaffe cxtract soda from saline plants.
The chief exports of the Crimea by sea are sslt, wheat, soda, butter, and hides: the imports, raw and manufactured cotton of different kinds; silk stuffs of various patterms and in the eastern fashion; wines of the Archipelago and the Strait of Constantinople; brandy, Turkish leaf-tobacco, and a varicty of fresh and dried fruits. To Russis are sent, chiefly by the way of Perekop, salt, gray and black lamb-skins, sheep's and hullocks' hides, wool, eamels' hair, leather, hare-fkins, wines, walnuts, fruits, together with the dry fruits imported from other parts, and fish. The imports are grain, provisions, iron, and different manufactured goods of Russia.

The Greeks hecame early acqusiuted with this peninsula, prohahly soon after the Ionian Greeks and especially the inbabitants of Miletus had begus to form settlements on the northern shores of Asia Minor, about six centuries before the Christian era. Panticapsum is called by Straho a colony of the Milesians. Besidea this place they huilt Theodosia, now Fcodosia or Kaffa, and rome other places on the peninsula forming the west side of the Strait of Yenikale. They preferred this part of the peninsula, from its containing a large tract fit for agriculture, and producing very rich erops-Strabo says thirty times the need. It was at one time considered the granary of Greece, cspecially of Athens, whose territory being of small extent and of indifferent fertility, was unable to maintain its great population by its own produce. At one time Athens annually imported from the Crimea between 300,000 and 400,000 medimni of grain, as Demosthenes informs us, in his Omtion against Leptines (c. 9). Strabo sayn, that in one year the Athenians received $2,100,000$ medimni from Theodosia, hut the text is evidently eorrupt. [Bospones; Brzantium.]
(Strabo, vii. ; I'allas; Oliphant; Lyall, Travels in Russia; Captaiu Jones, Trarels in Norway, Sweden, Finland, Russia, and Turkey.)
CLINAN CANAL, Argylesbire, a caual connecting tho Lochgilp
branch of Lochfyne with the Sound of Jura, and constructed for the purpose of enabling ressels of small burden to dispeuse with the rather dangerous passage round the Mull of Cantyre. The project of forming this eanal was first started about sixty years back with the co-operatiou of the then Duke of Argyll. Sir John Rennio having surveyed the ground aud reported farourably an Act of Parliameut was obtained, a compauy was formed in 1793, and the works wero forthwith commenced. The canal was opened in 1801. The caual although not more than 9 miles iu length has been of great service to the coasting trade of the west of Scotland and the Highlands; the original shareholders of the canal company however have uever received auy return for the outlay of their capital. The number of locks in the Criuan Canal is fifteen; the average breadth is 24 feet, and the depth of watcr 10 feet; if found uecessary 12 feet depth of water could be maintained. Sinco 1818 the canal has been under the management of the Commissioners of the Caledouian Canal, with the navigation of which it is intimately eonnected; together these canals form an important portion of the iuland passago between Glasgow and Inverness. Vesscls of 200 tons burdeu cau pass through tho Crinan Canal.

CROATIA (Horvath Orszag), a former proviuce in the south of Austria, now forms with Slavonia a crownland of that empire. It lies between $44^{\circ} 5^{\prime}$ and $46^{\circ} 25^{\prime} \mathrm{N}$. lat., $14^{\circ} 20^{\prime}$ and $17^{\circ} 25^{\prime} \mathrm{E}$. loug., and extends in a north-easterly direction from the shores of the Adriatic to the bauks of the Drave and Save. It is bounded N. by Lower Styria and Hungary, E. by Slavonia, S. by Turkish Croatio and Dalmatia, aud W. by Illyria and the Adriatie. The whole crownlaud is divided iuto six palatinates, which are named from the chief town in each, and of which the area and population, according to tho cadastral returns and eensus of 1850 aud 1851, aro as follows :-

| Palatinates. | Area in Square Miles. | Population in 1851. |
| :---: | :---: | :---: |
| Agram | 1936 | 234,540 |
| Fiume - . . | 476 | 86,816 |
| Kreutz | 658 | 82,446 |
| Warnsdin | 990 | 204,624 |
| Essegg . | 2030 | 192,456 |
| losega | 951 | 67,574 |
| Total | 7041 | 868,456 |

Hesides the area here given, a wide zone, comprisiug no less than 7500 square miles and containing a population of 670,655 under a military form of government, extends along the south of Croatia and Slavonia, and constitutes a part of the defensive barrier which Austrin lias established agaiust Turkey uuder the name of the Military Frontier. Under this head [Military Frontier] the peculiar institutions of this district aud its towus will be noticed, but the present article contains a notice of the physical character of the whole crownlsud.

Croatia is divided into two distinct parts by tho Save, which rcceives the Kulpa and the Unna on its right hank and the Illova on the left. To the north of the Save the surface presents some rather extensive plains, bounded N. by the Reka Mountaius, an offeet of the Carnie Alpa, of uo great elevatiou, which here forms the watershed between the Save and the Drave. Between the Reka Mountains and the Drave, which separates the crownland from Hungary, the country is level. Near the eastern boundary, between the Illova aud its feeder the Longa, there is a mountain mass called Mount Garik, which is but slightly eonnected with the Reka Mountains on the north, and rises to ahout 2500 feet in height. The principsl rivers of the country have been already named; they are all navigable with the exceptiou of the Illova, and all of them are subject to floods which inuudate the plains through which they flow, and in some places form largo marshes.

Besides the principal rivers just named, Croatia is watered hy many other rivers and streams, most of which rise within its confines; such as the Krapina, Korann, Odra, \&c., nearly all of which flow into the Dravo or Save; the Zermanya and Fiumara, which fall into tho Adriatic.

Mauy of the valleys, especially on the southern ridge, are entirely closed, and the streams which traverse them not having a vent, find their way to different rivers by subterraneous chaunels, and often inundate the surrounding eouutry. Some of these vallcys are inhabited by a half-savage race, and ahound iu picturesque waterfalls. The Szluinchicza forms above forty heautiful cascades.

South of the Save the country is vary mountainous. The Julian Alps enter the crownland on the west and terminate in Mouut Kleck (ncarly 7000 feet high), whenco the Kapclla Mountains ruu from north-west to south-east, connecting the Julian with the Dinaric Alps, which separate Croatia on the south-east from Bosnia. Tho highest parts of the Kapella Mountains and of ono of its principal offisets to the eastward called Plissivitza, do uot exceed 5800 feet nbove the sca level. The eastern aud north-eastern parts of these nountains arc furrowed by innumemble dells, ravincs, and valleys, traversed hy rapid streams, all feeders of the liulpa. About

Carlstadt, whero many of these tributaries joiu the Kulpm, the country in level; it is tolerably lovel also between Carlitadt and Agram, and along the lower Kulpa, whleh jolns the Suve a little enst of Petrinia, a town of the Military Frontier with about 8000 lababltanta,

Southward from Jiont Kleck auother and somewhat loftler and stoeper range runs at hut a little distance from the Adrintio sliore: in the northern part this mage ls called the Merzlavoditza Mlountains, nnd further wouth to the river Zermagna, whero lt terminates, the Velibitch or Welibits Mountalne Tho two ranges just noticed as apringing from Mont Kleck, incloso a high cold plateau of consider able extent, watered by the Licon, the Gnczkn, and other atrenms, whlch have no risible outlet, but lose themselvea In the limestone rocks of which all the inountains notleed are principally composed. The road called Lufenstrasee, which runs from Carlstadt to Fiume, cromes the barren region of the Karst, as the mase of the Julinn Alps north of Mont Kleck is locally called. The limestone range traversed hy the road is bare, rugged, and barren; the hills are scored hy merines, the surface is strewed with shattered fragments of rook, and the rocky plateau if everywhero penctrated with funnel-shaped hollows like craters. The land here is little cultivated, owing to the poverty of the soil. In the Karst, and all along the high plateau between the Kispella and the Velibitch Mountains, the fearful Bora rages with all its fury, sweeping everything before it; large stones, carringes, aud passengers are sometimes swept by it over the precipices that flank the Luisen-Strasse. The engincering works along this road, the zigzags, terraces, and slopes cut out of the rocks, are not lnferior to anything of the kind on the great ruads over the Alps. On the southeru side of the mountalns it passes down to Fiume by a terrace or shelf cut in the eastern slde of the precipice that forms one of the walls of the ravine of the Fiumara. This ravine is called the Porta Hungarica, or 'Gate of Hungary.'

The greater part of the mountains consists of limestone, with various kinds of heautiful marble, porphyry, serpentiue, \&c., which furnish excallent materials for building; all the hridges and parapots of the Luisen-Strassc, and-most of the houses at Flume, Segna, and Porto-RS, are coustructed with this stone. The most common is a hlackish-gray marhle, which emits a fetid emell ou being rubbed. Croatia contains many mineral springs. Its minerals comprise copper, iron, lead, conl, and salt; gold is ohtained from the aand of several of the rivers, especially the Drave.
The elimate of Crontia varies considerably in different parts. The sonthern and more sheltered districta, and the narrow tract between the Merzlaroditza Mountains and the Adriatic const, from Fiume to Segus, enjoy an Italian climate, and produce the olive, fig, grape, and almond. IIere the vlatage takes place in Augast, but in the western highlands beyond the Kulps the harrest does not commence till the end of August or beginning of September, when the snow begins to fall, which does not melt till April or May. On the higher summits It frequently lies the whole ummor. But eren in tho southern regions the winter ls very severe, owing to the viclnity of the high Alpa. Scveral islands in the Gulf of Quamero lio off the const of Croatia; tho priscipal of them aro-Veglin, Arhe, Cherso, Lossini, and Pago. Between the islands and tho mainland stretches the long narrow channel of Morlacen.

The scourge of this country in the wind called Bora, which blows from the north or north-east, and gencrally sets in betweon seren and eight A.x. and censes at four or gvo r.x. It is accompanled by oxcossive cold, and hlows wlth such plolence that large stones are solled by it to a great distance.
The eastern and northers parta of Croatha, which are more level and lean mountainous, and enpecially the parts watered by the Drare and Save, are very fertilo fa various klads of graln, partlcularly berlcy, maize, and oats; the soll ls alno very favourable for fruits, among whleh tho Damancene plum fumben the favourito drink of the Croatians. Croatla has immense forests of oak and beech, and the great rivers just namod la many parts of thelr course roll along under the shadow of primeval foresth. Flax, hemp, and tohacco are ouly grown In sufficient quantly for domestic consumption. The vine is cultivited, and a good deal of wine ts made. Jorticulture and girloning are rery little attended to; the wamo may bo baid of tho roaring of horned cattle and homes, oxcept In the palathates of Agram and Waradin. The flocki nre neither numerous nor of cholce hreeda Considerable hends of swine are reared, for whilch the forests afford plenty of food. The Anherien of the rivern are very productive; much wax and honey are colliccted. Only a very small portion of the inhsbitants in ongaged lu manufacturen, and theme are of the
 sufficen for lif Inhabilanta, itn commeree la chlelly confined to the tranit trala lhesiden the graat roal already mentloned, a road runs from Carlntarlt to Agmen and to Laghach In Illyria; another, the Josepline, learle to Segne on the Adriatio, whence a rowd runs nlong the lítoral for narrow strip of land that intervenes between the Morlaces clannel and the inountains) to Flume. South of Segna the mountalnn lie close upon the oonst, and the road rans into the intlrior on the enitern shle of the Velibitch Souutalns down to the valley of the Kerks, las Dalmatia; It then turnn to the coant and terminates at Varm. Through Warasdin thero is a road up tho valley of the Uraro lo Klagenfurt.

The Inhabitants are Roman Catholies and Greek Catlolics. Tho former are uuder the Blahop of Agram, and the latter have thelr own blshop, who resldes at Creistz. The public system of education is that of the national schools, whleh are divlded into elesmentary, head, and nommal. There aro two gymnasia at Agrain and Wamadin, and a superior scademy or college nt Agram, which has also a seminary of theology for candidates for orders In tho Roman Catholio aurl Groek.Cathollo Church. Although brought Into more regular discipline by the Austrian govemnneut, the Croatians atill retain thelr taste for war. Thome who live at some distance from the Turkish fronticss liavo adopted moro industrious babita, Thelr untutored state is accompanied by many traits of rirtue and generosity, and great firlelity to their sovereign. Notwithatanding their revolt againet Austria iu 1755 , ou accout of ecrtalu lunova. tions, their despair was indescribable wheu they found themselves unlted to France lu 1800. Their dwellings aro merely large baras, without cither window or chimney, where the fanily and the swlue lodge under the same roof.

Slavonia, the eastern part of the crownland, is separated froun IIu. gary hy the Drave and the Danuhe, from Turkes by the Save, and it has the Illova on part of the western frontler towarls Croatia. The territory thus bounded is divided into two parts, the prorince of SlaYouia, and the Slaronian Grinzland, or Borderland. The province of Slavonia is divided into the two palatinates of Posegn and Essegg or Eszek; the latter includes the former county of Sirmia A clain of high mountalns coming from Croatin traverses the conntry. Where this chain enters Slarouia the valleys are narrov, but they gradually become more open, and form nerr Porega a willo plaiu bonndal by lofty mountains, whlch is called the Posega Vallcy; but at the castern frontier of this palatiuate the hranohes of the mountains again join in one principal chaur, reaching the licight of 2800 fect, whleh covers all the northern part of tho couuty of Sirmia. This chain is corered with rast forents. The remaining part of Slarouin cousists partly of fertile eminences planted with vincs and fruit-trecs, aud partly of beautiful and extensive pialns. Jut as many tracts of land on thic Sare and Drave are very low, they ate snhject to be frequeutly overflowed, and there are several largo and small pleces of stagnant water and extenslve marshes near thoso rivers. Along the right bank of the lanube thero are forests in many places; and the course of the Sare is densely shrouded with them. These forests contain a vast quautity of execlent oak timber. The country produces com of all kinds, hemp, lax, tobaceo, and great quantities of liquorico. There are whole forcsts of plum-lrees; chestnut, slmond, aud fig-trees are likewiso comunou, and the white mulborry abouuds. Slavouia is rich in useful domestic auimals. The horses are small, and sheep are not numerous. Of wild animals, the hear, wolf, fox, polocat, and vulture aro common. Swarms of mosquitoes and other troublcsome insects are bred ln the marslice, and a long contlnuance of southerly winds somethnes brings locusts. The only minemls of whlch there are considerable quantities are sulphar, limestone, coal, salt, and lron. It may be said that thero aro no manufactures in Slavonla. The pewsant makes all his farming implemento-his cart, his plough, \&c.; and his wifo and dnugliters weave cloth and knit stockings for the family. In so fertile a country agriculturo and the hreeding of cattle are the most profitable occupations of the inhahitauts The culture of silk is flouriehing. The quantity of wine produced is very large; the couuty of Sirmin, where the rine wan planted lutho 3rd ceutury by the soldiers of the emperor Probus, alone produces ahout $6,000,000$ gallons ammually. The wines, both red and white, are spirituoun, and not well-8tted for export. The exports are corn, tobacco, spirits distilled from plams, raw silk, honcy, wax, liquorlce, gall-uuts, madder, raw hides, oak staven, hoops, sait, oil, and fruit ; oxcu and swlne aro exportcd iu largo numbers. Tho trade is chiefly with Austria nud Turkcy. Tho clief imports are iron, salt, and oil. Steamboats yly ou tlac Drave, Sare, and Danubs.

The Crontian language is a dindect of the Siavonian; It rescmbles tho Bolicinian and Moraviau, and beara a groat affuity to tho Polish.

Towns. - In tho palatinate or county of Agram the chlef tomn in Aoray, the caplan of the crownlaml, and the residence of the Jhan or Vlceroy, and of the cominandant of the 3ilitary Frontier. Carlstadt, or Karlorecs, at the junction of the Kulpa and the Korana, 81 miles S. hy W. from Agran, has 4400 lnhabitants. It is strongly fortlBed, and further dofended by a baronial cantlo. liesldes the fortress there is an outer town and a suburh. The three roads to Fiume, Segna, and Karlopago on the Adriatle, and tho Kulpa, which is navigable from this town, faclitate the communleation with tio rest of the crownland. Carlatadt has an active trausl-trale, some goorl puhlic buildinga, anil manufacturen of ronogllo. At the juuction of tho Kulpa with the Save are the remalus of an old 1 loman town, Siscin, now called AllSzizel.

In the palatinate or county of Warndin the chlef town in $11^{\prime}$ arasdin, which atnuds about two miles from the right bank of the Druve; it is surrounded by walls, ls well bullt, and contains many fine edifices, arnong which are nereral churehen, n synagogue, county-house, and a hlshop's palace. The town has a gymuastum, several scloois, and a populatlon of 9000 . Good witue and tobacco are proluced in the environs.

In the palatinate or county of Kreutz or Creutz, lying east of the two preceding, the chief town is Creutz, which stands between the Longa and the Glogovnicza, feeders of the Save, 30 miles N.E. from Agram; it is the seat of a Groek-Catholic bishop, and has above 3000 inhabitants. Kopreinitza, in the valley of the Drave, is strongly fortified, and has 3200 inhabitants.

In the palatinate of Fiume, formerly called the Litorale, the chief town is Fiume, the principal port of the crownland, which is described in a separate article. [Ficme]

Of the palatinate or county of Posega, which comprises the west of Slaronia, the chief town, Posega, stands on the Orlawa, a fecder of tho Save, and has a gymnasium, and 7000 inhabitants. Tobacco, silk, and wine are the chief products of the Posega Valley.

The palatinate of Essegg includes the former counties of Verovicz and Sirmia. The county of Verovicz occupies the northern slope of the Rcka Mountains, extending along the right bank of the Drave to ita junction with the Danube. Its chief tomp is Essek; or Eszek, which is noticed in a separate article. [Eszek.] Diacovar, S. of Eszek, a small place of about 3000 inhabitants, and the seat of a bishop; Veroviez, or Veröcze, in tho north-west of the province, is a market-town, with a castle, and a population of 3200 ; and Dallja, or Dallya, a village on the right bank of the Danube, with about 3000 inhabitants partly cngagel in the sturgeon fisheries; are tho only other places worth mentioning.

In the connty of Sirmia, which lies east of the other two, and is traversed by the chain of hills that forms part of the watershed between the Danube aud the Save, the soil is very fertile, except in the mountains south of Karlowitz. It contains the towns of Vuhiovar, at the mouth of the Vuko, population 6000 ; IUok, or Ujlak, a steampacket station farther down the Danubc, here a mile wide, population 3500; Kamenitz, 2 miles from Petcrwardein, populatiou about 2000 ; Ireg, in a fine wine country on the south slope of the Karlowitz Mountains, population 5000 ; Ruma, 5 miles S . from Ireg, 38 miles W. by N. from Belgrade, on a amall aftuent of the Save, population 6200.

A small portiou of Sclavonis atretches north of tho Dauube along the right bank of the Thciss to the poiut whore this latter river is joinerl by the Frauzens Canal. This district is noticed under tho head Military Frontira. The towns Karlowitz, Peterwardein, and Semlin will be giren also under that head or in acparate articles.

The ancient inhabitants of Croatis were the Pannonians, after the conquest of whom by Augustus it became a province of Illyria. The Goths took possession of it A.D. 489, then the Avares or Abares, and in 640 the Croatians, a tribe of the Wends from Bohemia, who were ancicntly called Horvather, Ifrovathes or Chrobates, settled in it, and gave their names to the country. They subdued the former inhabitants of Illyria and Noricum, and being reinforced by bodies of their countrymen, they founded the Duchies (or in their idiom 'Zupanies') of Carinthia, Friuli, Liburnia, or Croatia Proper, Jadra in Dalmatia, Sclavonis, de. These small states aubmitted to Charlomagne, but thcy generally allied themselves with the Greek emperors, although they continued to scknowledge the supremacy of the Church of Rome. Their first archizupan of whom history makes meution is Crescimer, who lived iu the 10 th century, and whose son, Dircislav I., took the title of king of Croatia, which then extended also over the western part of Dalmatia and Bosnia; its capital, called Biograd, appears to have been situated on the shores of the Adriatio, according to some at the place called by the Venetians Zara Vecchia; other authorities fix upon the modern Biograd, Belligrad, or Bielgrad, on the small river Pliva, as its site. Towards the year 1100 Croatia was incorporated with Hungary.

After the middle of the 15 th century it suffered greatly from the inoursions of the Turks, but the Croatians being a warlike people, ravaged in their turn the Ottoman territories, and returned to their villages laden with spoils. Croatia was afterwards annezed to the Austrian empire, and together with Sclavonia, Dalmatia, and somo parts of Hungary, was governed by a apecial board at Vienna under tho- common title of States of Illyria. More-recently Croatia has preserved the name only of a kingdom, having been incorporated with Ilungary. Since the insurrectionary movements of 1848 Croatia has bcen sovered from Hungary.

CROMARTY, Scotland, a parliamentary burgh, market-town, and port, in the parish of Cromarty, in the united countics of Ross and Cromarty, is situated in $57^{\circ} 41^{\prime} \mathrm{N}$. lat., $4^{\circ} 3^{\prime} \mathrm{W}$. long., on a low peninsula on the south side of the Frith of Cromarty, near itsentrance from the sea; it is about 16 miles N.E. from Dingwall, the couuty town, and about $180 \mathrm{miles} \mathrm{N} . \mathrm{W}$. from Edinburgh. The population of Cromarty in 1851 was 1988.
Cromarty was anciently a royal burgh, but was disfranchised in 1672, and accounted only a burgh of barouy. It now unites with Kirkwall, Wick, Dornoch, Tain, and Dingwall, in returning one menser to the Imperial Parliament. The affairs of the burgh are managed by a town council convisting of six members. The town is irregularly built, exhibiting in its older streets and lanes the homely Flemish style of architecture characteristic of the old towns of the north. The chief buildings aro a plain parish ehurch, a Gaelic chapel, and a town-house; tho last a substantial building with a hall in the upper etory and a
prison in the lower, and surmounted by a dome or clock-tower. There are places of worship for the Free Church and the Uuited Presbyterians. In the parish are some remains of ancient chapels. The harbour, formed by a pier, is near the extremity of the point on which the town stands. Vesseis of 400 tons can come up to the quay. There are a hempen-cloth manufactory and a brewery. A cousiderable trade is carried on in salt provisions. Some of the population are engagod in the herring and white fishery. Ship-buildiug is carried on. There are a weekly corn-market on Tuesday, and fairs in April, August, October, and November. At the mouth of the Cromarty Frith, and not far from the town, is Cromarty Point, a headland on which stands a light-house with a fixed light. The north aud south headlands at the entrance of the Frith are known as the 'Sutors of Cromarty.'
(New Siatistical Account of Scolland.)
CROMARTYSHIRE. [ROSS AND CROMARTy.]
CROMER. [NORFOLK.]
CROMFORD, [DERnYsFIRE.]
CRONSTADT' (Kronstadt), a towu, fortress, and port, in the Russian governmeut of St. Petersburg, is built at the south-easteru extremity of Cotliu-Ostrof, au island in that part of the Gulf of Finland called the Bay of Cronstadt, 16 miles from the mouth of the Ncva, 21 miles W. from the city of St. Petersburg, in $59^{\circ} 59^{\prime} 46^{\prime \prime}$ N. lat., $29^{\circ} 46^{\prime} 38^{\prime \prime}$ $\mathrm{F}_{\text {. l }}$ long., and has in summer a population of about 55,000 , including the garrison and the marine. During the winter bonths, from November to April, the port is ice-bound and nearly deserted. The island of Cotlin-Ostrof, formerly called Retowari by the Finlandera, is 7 miles iu leugth and about 1 mile in breadth. At the entrance of the harbour, on an island opposite the citadel, lies the fortress of Cronschlott, built by Peter the Great. The passage between this fortress and Cronstadt is 2000 paces in width, and has ample depth for the largest vessels. Cronstadt is the great naval statiou of the Russian fleet and the harbour of St. Petersburg. All vessels proceeding to that port are searched here, and their cargoes sealed, and such as are too large for the shallow waters of the Upper Neva unload their cargoes at Cronstadt, and transport them iu smaller craft.

The town, which is built iu tho form of an irregular triangle, is strongly fortifed on all sides. It has three harbours lying to the south of the town, all strongly defended by ramparts and bastions. The outer or military harbour, which is a rectangle, is entirely surrounded by a massive and strongly fortified mole, and is capable of containing, besides sunaller vessels, above 35 ships of the line. The middle harbour is inteuded for the fitting out and repairing of vessels. The hulla are generally built at St. Petersburg and brought here for equipment. It contains the slips, a powder-magazine, a manufactory of pitch, tar, \&o. The third and innermost harbour, which has space for 1000 vessels, and runs parallel with the middle harbour, admits only merchantmen, for which there is besides an excellent roadstead immediately outside of the port, which is defended also by the citadel, constructed on a rock in the middle of the Bay of Cronstadt. All these harbours are well secured, but in consequence of the freshness of the sea-water no vessels can be preserved in them abovo twenty years. They are besides detained a great part of the year by the ice iu the Bay of Cronstadt, which usually prevents vessels from entering after November, or leaving before the eud of April, or sometimes even later. Vessels are repaired and built in the large canal of Peter the Great, which runs directly into the town between the middle and merchant's barbour, and receives ten large ships at once. The basin is 2160 feet long, and 26 feet deep. It is built with granite, and by $\quad$ neaus of a stemmengine can be laid dry in two days, and filled again by means of sluices in six hours. Near it are the various docks, in which ten ships can be repaired at once; the foundry, whieh supplies annually 1200 tons of bombs, balls, \&c. ; the admiralty rope-walk; tar-works; aud excellent wet-docks, By the new Catharine Canal, commeuced in 1782, which is 1880 fathoms long, government vessels are euabled to tako their stores, munition, \&cc, directly from the store-houses. I'he quays of the canals and of the three harbours are all constructed of granite on a very grand scale; they were erected by the emperor Nicholas. The town is very regularly built, and contains many fine, straight, and well-paved streets, and several public squares. The houses however, with the exception of those belonging to government, are chiefly of one story, and built of wood. There are five Russian churches, one Lutheran, one Anglican, and one Catholic church.

The Bay of Cronstadt is shallow, tho average depth hardy reaching 12 feet, and the bar at the mouth of the Neva has not more than 9 feet upon it in ordinary times.

The city has three gatcs, and is divided into two parts, the Commandant and Admiralty quarters, which are subdivided into four districts. Between the Peter's and Catharine Canal is the old Italian palace built by prince Menschikof, who took this island from the Swedes in 1703 . It is at preseut occupied by the school for pilots, a large establishment, where above 300 pupils aro educated for the naval service, and 20 for the merchant service. The naval hospital is a large and well-regulated institution, with accommodation for 2500 paticuts, and a separate building for officers of the navy. Among other public buildings may be mentioned tho admiralty,
exchange, custom-bouse, barracks, club-liouse, and the house of Peter the Great, where he reaided for mue time: but with the exeoption of a few old oaky, which ho is mid to hare planted witb bia own hands, there are no remains of the former ganlen.

The pertuanont population of Cronstadt, exclusivo of the garrison, the pupils of the naval sehool, wortmen, and sailors, perhaps does not exceed 12,000. The inhabitauts terive their chief support from tho leet, trade, and shipping. The town presents an appearance of great buatle and activity during tho smmer, but in winter all is dead and atagnant. The bey is tben entirely frozen, and its anrface is for six months traversed by great rosds marked out by eignal-posts, and leading to the capital and other places on the Gulf of Finlaud.

Tho town and port wero laid out and tho bnildings far adranced by I'eter the Great, who founded Cronstadt in 1710; but it did not receive its preaent name ('Ths Town of the Crown') until ths year 1721. At tho shorthern extremity of the islaud aro Fort Alexander and the Battery of St. John; the latter is built on piles.

CIRONSTAIMT (Kironstadt), the capital of a county of the same nams in Traneylvania. The county lies immediatoly north of the Carpathians, which separate it from Wallachin, aud is watered by the Alt and its feeder tho Burzo, whence the county is also called BurzenIand. The Burvenland is in thast part of Trausylvania called 'the harl of the Saxons;' its surfacs is traversed by the lofty chain of the Butschescht, an offset of the Carpathians, wbich reaches in its highest summit en eleration of aburo 8000 fect The climate is extremely cold in winter. The valleys and lower slopes of the mountains are well adapted for agricnltural purposes. All sorts of corn and pulse, maize, millet, flax, hemp, fruits, dic. are grown. Among the minerals aro gold, silver, porcelain-clay, dc. Game, fish, nul beos abound. Ilorned cattls are very mumerous. The mountain sides are clothed with fine forest timber. The population is about 100,000 , composed of descendauts of German settlers, Hungarians, Wisllachs, Greeks, Armenians, and some liallibassi.
The capital, Croustadt, the largest and most populons town of Transylvaia, is also called Kruhuen, Krimnc, and Krohne, and in ancient recorda Brassó. It stands near $45^{\circ} 36^{\prime}$ N. Int., $25^{\circ} 33^{\prime}$ l's long., 70 milea E.N.E. from Hermaunstadt, in a narrow ralley, inclosed by mountains, at an elevation of 1896 feet nbove the level of the sen. It is defended by a strong contls on the lank of the F'arkas. The inner town, which has tho form of a rectangle, is well built, aud surronnded with towers, walls, and diteles; it contains about 615 housea, and bas a population composed cutirely of Sasous or their desceudants. It was built in the beginning of ths 14 th contury, when it was called Corons Tbers are three suburbs, the Altstadt, ibe Bolonnya or Brassovin, and the Upper Town, or 13olgar, wbich consists of 1500 houses partly built on hills amidst orchards and gardeus, and inhabited chiefly by Wallachs. Including these suburbs, Croustadt has abore $3400^{\circ}$ bouses and about 36,000 invabitants. The inner town has 5 gatea, 6 principal streets which, are atraight and regular, and a spacious market-place with 2 fountains. Among the cbief buildings are the Protestant church, a striking edificc erected in 1333 in the gothic style. It is 112 paces long, 59 prees broad, supported by 22 Tuscan colming, and surnounted by a tower 135 feet bigh, in which is a boll ©. tons in weight. The Romnn Cntbolic chureh of St. l'eter and St. Paul was built in the Italian stylo in 1760.S2. The remaining buildings of noto are tho town-hall, in the market-placo, with a handsome tower; the old Lutheran church of St. Bartboloutew; the Gympasium ; and the great mart, or Knufbnus, which was erected $1115 i 5$. This mart was until lately the general place of rendezvons for German, Ilungarian, Armenian, Greek, Turk, Wallach, Jew, Gipasy, and lbulgarian tradure, who assembled here to expose their goods, while Turkish moner-changers were neated outside and arouud the warkec-place for tho exchango of Austian aul Turkisb coins ; but the trade of Cronstadt has recently much declined.

Cronstalt contaias a Luthemu gymmasium with a librayg, a town-hall, berracka, two Oreck and two Joman Catholic churchea, n Calrinistic charcb, a lloman Catholic high selool, $n$ military ncaleny, a nomal echool besides rarioun elementary schools, two hospitala, a house of correction, and a house of industry.
The Inlesbitants inanufacturo Innens, cottons, coarso woollena, tockinge, aul woollen bobtins Thero aro a paper-mill and two waxbleaching gromats. Cronstadt wan the firnt place in Trnusylvania where a gimer-mill and printing-presa were entabliahed ; the earliest works imsed from the latter were the "Augnburg Confesmion' and the writings of linther.

Cronatalt carries on a consldombla trannit trade In Auntrina and Turkish produce; cattle and winc from Wallachla; manufnctured goorls ; corn, kall, \&c.

## ClROOKED ISLANDS. [BABayar]

CROOMS, connty of Limerick, Ireland, a mmall town and the scat of a I'onr-Law Union in the larony of Conlima, is aitunted on the river Maigue, in $52^{\circ} 32^{\prime} \mathrm{N}$. Jat., $5^{\circ} 13^{\prime} \mathrm{W}$. long., distant about 11 milen S.S.iV. frou limacrick. The tatal population in 1851 was 1357. Croom l'oor Lav Linion containg 20 electoral divisions, with an arva of 93,323 acres, and a population $\ln 1851$ of 27,209 . Tbe town in rery ancient, and derives ita name from Croom, the Celtic god of thuuder. There aro nomo Imidical remains and a ruluerl round tower ln the melghbourhood. At Croom is an oll cmatle of the Fitrgernllh, which
furniahed a branch of that fanily, now ropresonted by the Duko of Leinsker, wlth their war-cry and motto 'Croom-boo' (Croom for ever). This castle lans been partially repaired, and is uow inlabited. ?cty-bessions are held in Croom. Thero aro bere a bridewell and a dispentary. l'nirs are held on May 3 rl , Juno 22ud, September 1st, and December Stlı

Chosio. [Gas.rcla.]
CROTON, or ClROTONA. [CALABRLA.]
CROW1,AND. [LISCOINSHME]
CIBOYDON, Surrey, a market-town and the seat of a Poorlaw Uniou, in the parish of Croydon and huudred of Walliugton, is situated on the river Wiandle, in $51^{\circ} 22^{\prime} N$. lato, $0^{\prime \prime} 3^{\prime} W^{\prime}$. long., 9 niles S. from Loudon by road, aud 10 tuiles by tho London and Brightou railway. The populatiou of tho town of Croydon in 1851 was 10,2tio. The parish is under the maungement of a Local lloard of 11 calth. The living is u vicarage in the arclideaconry of Maidatone and diocese of Canterbury. Croydon I'oor-Law Union coutains 11 parishes and townships, witb an area of 33,559 acres, and a population in 1851 of 31,901 .

The name Croydon, which in Dunnesday Book is Croluedone, appears to be derived from the locality of the town on the edgo of the chalk (croie, chalk, sad dune, bill). The siturtion, from its contiguity to tho Ihastend Downs, is pleasnat and healthy. At ths Normas Conquest the manor of Croydou, with a royal palace, was giren to Lanfrauc, archbishop of Canterbury. This palace during a long period was a chief residence of the succeeding primates. It was built of timber, and was in 1278 in its origimal state. No part of the present structuro is older than the 14 th century, and largo portious of it were robuilt by urchbishops Wake and llerring. $\ln _{17} 170$ it was sold and became a calico manufactory, and the gardens were used for blonching grounds; to wbieb use the buildings aud grounde are still applied. Ths old chapel is now used as a school of industry for girls. The present sumber residence of the Archbishop of Canterburs is thres miles and a half from Croydou, at the mansion in Addingtou Park, which stands on ths site of a hunting seat of Heury Vll1. Ou a hill towards Addingtou is a cluster of twenty-fivs tumuli; and on Thanderfield Common is a circular encampment iuclosing with a donble moat an area of two acres. Gold coins of Domitian, Valentininn, and otber Iloman emperors have been found in tho neighbourhood.
The town of Croydon consists of a principal strcet about a mile in leagth, forming part of the maia road to Brigbton, the houses in which are rather neat and well built; and of an 'old towu, which lies cn the west of ths main strcet, and consists of a few narrow atrects of man bouses. Tho town-hall and tho jail are commodious and substantial stone buildings ; the bsrracks have extensive nccomruodation for artillery. The parish church of St. John's, erceted in the 16 th century, is onv of ths largest and finest churches in tho county. It is built of freestono aud flint, with a lofty embattled tower ut the west end, surmouted with pinnacles. The interior contains several magnificent monuments of the archbishops there iutered; those of Sbelduu and Whitgift anay be eapecially noticed. 'Jwo other elurches have been recontly crected. Tho Independeuts, lBaptista, W'esleynn Methodists, Quakers, and lRoman Catholies hnve places of worship. Tbere are National, British, aud lufant achools; a literary and scientific institution with a library; a dispeusary; and a savings bank. There are several ancient charitablo foundations, tho principal of which are the hospital or almshouse of tho 11 oly Trinity, built by Archbishops Whitgift in 1590, aud well endowed, for the maintenance of 34 decayel housckecpers; and n school for girls, founded by Arohbishop. Tennison. Tho Last India Company's Collsgo of Cadets, at Addiscombe lloune near Croydon, hss 14 professors and masters, and about 140 atuleuts. Tho summer assi\%es aro hell at Croydon alternately with Guildford. A county court is held in the lown. Saturday is the warkstelay; fairs are Leld on July Gth and October 2nd. The Octoher fair in noted for tho salo of walnuts. Shirley l'ark, the rosidence of Lord liklon, is in the neighbourhoud of Croyrlon.
(Manning, Surryy; Brayley, Surrey; Lysous, Envions of London ; Communication from Croydon.)
ClRUMLIN. [AsTrim.]
CluU\%, SANTA. [SaNTA Crez.]
CluǓ, Vhika. [Vma Cruz.]
CSONGRA'D, a marketown in llungary, givos nams to n county, and is aitnatid on a neck of land opposite the confluence of the liörüa and Theins, $\ln 40^{\circ} 43^{\prime}$ N. lat., $20^{\circ} y^{\circ}$ bis long. It is well-built, and bad in 1845 abont 14,000 InLabitants, who live chiefly on the produce of their vincyardi, rearing catele, and trading with other prats of llungry. Tho old castle is fallon into couplete decny. The county court is now lield at Szegedin.

CTL'S'sll'llON, a largo city of Aasyrin, situnted on the left bank of the Tigris, 18 or 20 miles from the present Baghdad, was the winter rewidence of the kings of l'arthin. (Serabo, 1). 743 c; Tacitus, 'Aus.' vi. 12.) They preferret Cteniphon in the wiuter ou nccount of the milduess of tho climate; in Bummer they remided at Eebatana or in llyrcania. The town appears to have been fonaded by Vardanes, but who he was or when lue lived is unknowis. (Ammiaums Marcelliuua, xxiii, 20.) It was a place of little cousequence however till the eatublinbment of the l'arthian empire, and it then rosetc cminenco on the decay of the neighbouring city of Sclouceia. Ammianus ascriben the embellisbment of the city to Pacorus, son of Orodes. It
long remaiued a place of considerable importance especially after the restoration of the Persian empire under the Sassanide. Ctesiphon Was taken by the emperor Severus, A.D. 198, and it must then have been very large, for Severus carried off 100,000 prisoners from it alone. Its walls rendered it a strong place down to the times of Julian and Gallienus. Its later history is unknown. Near this place are some remains, called TuK Kesra, or Arch of Khosroes, which has been described by Ives and other travellers, and which it is conjectured formed part of a palace of one of the Sassauida. The site of the city is now called by the Arabs Al Madain.

CUBA is the largest of the islands which constitute the Columbian Arehipelago, and now the most important colony of Spain. The most eastern point, Cabo Maysi, is in $74^{\circ} 11^{\prime} \mathrm{W}$. long., and the most western, Cabo San Antonio, $84^{\circ} 58^{\prime}$ W. long. Cabo de Cruz, the most southern poiut, is $19^{\circ} 47^{\prime} 16^{\prime \prime}$, and Cabo de Guanos, east of Matanzas, the most northern point, $23^{\circ} 9^{\prime} 27^{\prime \prime}$ N. lat. The length of thes island from Cabo Maysi to Cabo San Antouio, along the curved line, is 793 miles. It is widest near the meridian of $77^{\circ}$, where between Punta Maternello on the northern coast, and the mouth of tho Rio de la Magdalena, near tho Pico Tarquino, it is $127 \frac{1}{2}$ miles across. Between Puerto Principe and the Havanna, which tract comprehends about four-fifths of the island, it is only 52 miles wide on an sverage. The western extremity is still narrower, the isthmus between the Havanna and the port of Batabano being only 28 miles across. The area of Cubar alone is 42,383 square miles; and the islands which are inclosed within the numerous reefs that surround it have an area of about 1000 aquare miles. The population according to the latest censur, 1841, was $1,007,624$; of whom 418,291 were whites, 88,054 free-coloured persons (mixed races), 10,974 coloured slaves, 64,784 frec negroes, and' 425,521 negro slaves.

Coast-line, Surface, dec.-The coast-line of Cuba is above 2000 miles, but hardly one-third of it is accessible to vessels; the remainder is surrounded by banks, reefs, and rocks. The coast from Cabo de Cruz to Cabo de Maysi is quite free from danger; and that from Cabo Maysi to Punta Maternello has only a few rocks. At Punta Maternello commence the numerous keys of the Old Bahama Channel, which extend for more than 300 miles to Punta de Icacos. In this part, or more precisely opposite the Cayo Cruz and Cayo Romano, the Old Bahama Channel is narrowest, being only from 15 to 20 miles across. Between the keys and Cuba is an open sea, which may be navigated by small vessels. From Punta de Icacos to Bahia Honda, west of Havanna, the coast is again free from keys and rocks. To the west of Bahia Honda commences the series of shosls and rocks called Los Colorados, which extend to Cabo San Antonio. Thence to Punta de Piedras or Llana Punta, the high coast is free from shoals and rocks; but tho keys and shoals commence again to the west of the Isla de Pinos, and extend to Cabo de Cruz, under the names of Jardinillos, Cayo Breton, Cayos de Las Doce Leguas, and Bancos de Buena Esperanza. Only the coast between Cochinos Bay and Puerto Casilda, near Trinidad, forms an exception, being free from banks and rocks. In the Bay of Xagua, about 30 miles east of the Jardinillos, a spring of fresh-water is said to rise in the sea with such force that boats cannot approach it without danger. It is visited by the manati. In the sea between the northern coast of Cuba and the Florida Reef, the Gulf Stream commences, but here its curreut is not strong, and sometimes is hardly perceptible.

Only the south-eastern part of Cuba, that which lies between Cabo do Cruz, Cabo Maysi, and the town of Holguin, is mountainous. This mountain group is called Sierra or Montaños del Cobre (Snake Ifountains), and probably in its highest parts rises mors than 7200 fect above the sea. On tho southern coast the Pico Tarquino also rises to a considerable height. From the Pico Tarquino group a chain of hills of modernte elevation runs in \& west-north-west direction, betwecn Pnerto Principo and Villa Clara, approaching at first nearer to the southern, but afterwards more to the northern shore. To the north-west of Trinidad stand the Lomas de San Juan, which terminate in peaks and needles, and rise to about 1800 feet above the sea. The elevations of the hills seem to decrease as we advance westward. To the west of the meridian of Matanzas there is only one summit that attains 1200 feet. In this part the surface of the island is slightly undulating; rising in general only to from 250 to 350 feet above the sea. Along the southern coast large tracts of low country occur. The whole space between Batabano and Xagua is nothing buta low swamp, which extends three or four miles inland.

There are no rivers of any size or importance in Cuba. Some are navigable a few miles inland for small boats; others are used for irrigating the adjacent fields. The internal traffic, formerly greatly impeded by the badness of the roads, has been much facilitated by the introduction of railways, of which there are now nearly 900 miles in operation.

Geological Character.-Calcareous rocks of varied kinds and quality are tho prevalent and characteristic formations of the island. But granite occurs in the south-eastern part ; and schistose rocks occur about the middlo of the northern coast. Carboniferous strata are found at the western end of the island. Clays and clay-slates are met with in several places.
Of the metals, copper is that which appears to be of most value. In the Eastern Intendencia, where it is now worled largely by
aEOC. DIV, VOI. II.

English capitalists, it has hitherto proved most profitable. The ore has also been found near Matanzas, Cienfuegos, Villa Clara, and elsewhere. Gold has been found in the Sierra del Cobre, and in the sand of many of the mountain streams. Lead, said to be rich in silver, has also beeu discovered. Coal is worked in the neighbourhood of Havanna, and occurs in some other places. Marble of much beauty is quarried; and crystal, fint, and clay of a kind very serviceable in the arts, are obtained.

Climate, Soil, and Productions.-Cuba partakes in some measure of the climate of the temperate zone, as is proved by the sudden changes of the temperature, in which it in some degree resembles the United States. Humboldt mentions a change of 15 degrees in the course of three hours. The mean annual heat at the Havanna is $77^{\circ}$, that of the hottest month (July) $84^{\circ}$, and that of the coldest $70^{\circ}$ : the thermometer rarely rises to $94^{\circ}$, or sinks to $55^{\circ}$. In the iuterior of the island thin ice is formed after the long prevalence of northerly winds, at places about 300 feet above the sea. No snow is ever. known to fall, either on the Lomas de San Juan, or on the Sierra del Cobre. Hailstorms arc rare; they occur ouly once in fiftecn or twenty years, and always with south-south-westerly winds. Hurricanes are less frequent in Cuba than in Jamaica and the other Autilles. Sometimes none occur for six or eight years. They vent their fury more on the sea than on the land, and happen, as in Jamaica, more frequently on the southern than on the northern coast. They occur mostly in October, but sometimes in August and September. But Cuba, though not often expcrieucing their ravages, is exposed to the boisterous north winds (los nortes), which blow particularly duriug the cold months. The division of rainy and dry seasons is uot applicable to this island. No month of the year is free from rain, but the greatest quantity falls during May, June, and July. Earthquakes frequently occur.
The soil throughout the island is mainly formed from the decomposition of calcareous rocks, and is generally of very great fertility. Tho cereals of Europe are little cultivated in any part of Cuba, and a great quantity of flour is consequently imported from the United States for the consumptiou of the white inhabitants. The slaves and people of colour live principally on mandioc, yams, bananas, maize, rice, potatoes, sweet potatoes, \&c. The articles raised for consumption and exportation are chiefly sugar, coffee, tobacco, with some cottou, cocoa, and indigo. Oranges, lemons, pine-apples, and various other fruits are largely grown. As immense tracts are not cultivated, but only used as pasture-grouud, the number of cattle is very great, it is said uearly a million and a half; hides form an article of exportation, but dry meat (tasajo) is imported from Venezuela. The surface under cultivation probably does not exceed one-twelfth: the uncultivated part contains large prairies or savannas, on which the cattle pasture, but the greatest part is overgrown with large foresttrees, some of whieh supply excellent timber for ship-building.

Commerce.-About 1780 the exportation of Cuban produce amounted to little more than two millions of Spanish dollars in value. In 1842 the exports had increased to upwards of 26 millious of dollars, snd the increase has since been still greater. The chief articles of export are sugar, coffee, and tobacco. In 1760 the produce of sugar and coffee together amounted to 5 millions of pounds: in 1847 the quantity of sugar exported alone amounted to $575,232,000 \mathrm{lbs}$, and the subsequent removal of the sugar duties in England has greatly stimulated this branch of Cuban commerce. Of leaf and cut tobacco and cigars the quantity annually exported amounts to several millions of pounds. Of coffee the present average exportation is upwards of 35 millions of pounds annually. Cotton is also a considerable article of export. The other exports are molasses, rum, cocoa, mahogany, cedar, hides, fruit, \&c.
The chief articles of importation dre provisions, particularly flour, rice and maize, butter and cheese, tasajo and hams, and salted fish and cod. Brandy and the wines of Spain, France, Portugal, and Germany also form a considerable branch of importation. As Cuba has no manufactures besides those of sugar and cigars, with a small quantity of rum, it imports to a large amount cotton stuffs, woollen goods, linens and silk stuffs, hardware, mill-work, and machinery.

The total amount of customs duties received in 1850 was $6,729,685$ dollars; in 1851 it was $8,462,834$ dollars.

Within the last few ycara England from holding but a subordinate has risen to take a leading share in the commeree of Cuba, or at least in its export trade; America still holds the firat place in the import trade. Spain comes next to England and the United States. Having lost all her colonies on the continent of America she endeavours to turn to advantage her possession of Cuba, to which she sends her wines, oil, and fruits. The Hanseatic towns of Germany exchange their manufactured goods (linens, paper, glass, \&c.) for sugar, coffee, and tobacco. Francs sends great quantities of wines and some manufactured goods ; and Italy sends oil, olives, and fruits.

The total value of tho exports from Cuba averages about 7,000,000l.; that of tho imports is generally somewhat greater. The value of the imports into Cuba from the United States in 1853 is stated to have been $6,552,582$ dollars ; that of the exports $12,076,408$ dollars. The value of the imports from Great Britain into Cuba in 1851 was $1,104,17 \mathrm{Tl}$. ; in 1852 it was $1,033,396 l$. The chief English imports iu 1851 were :-Limen goods, 369,181l.; cotton goods, $345,549 l$.; woollen
goode, 38,5251 ; hosiery, $38,100 \mathrm{~L}$; ;ilks, 19,16Sl. ; machinery, 79,2901.; irou and steel (unwrought), $68,523 \mathrm{~L}$; hard ware and cutlory, 57,2331 .; hrass and copper manufactures, 27,2486 ; carthenwaro, 23,2556 ; coal, 20,0351 . ; beer and ale, 14,349L The chief exports to Grent Britain in 1851 wero:-Sugar, 830,385 cwts; molneses, 222,1 if ewte. ; rum, 81,096 grallons; to bncco (unmanufactured), $472,709 \mathrm{lbs}$; mannfactured tobacco and cigars, $278,505 \mathrm{lbm}$.
HAFASNA is hy far the most important commercinl town. Natan2nn, Santiago, and some other places also carry on a conslderable export and import trade.
Cuba, as wo haro already meutioned, has no manufactures benides those of cigars and sugar, whieh are carried on upon an extremely large scale, and of rum, which is prepared only to a linnitod oxtent The Cuba cigars, and especially thoso of llavanna, hare as is well known tho highest value in the market, and the manufacture employs a very large number of handa. We do not however possens any relinble details of recent datc.

Dirivions, Torens, de.- The inland io divided into three intendencias, the titles of which sufficiently judicate their relative positions; they are an follows (the population of the towns is that of 1841) :-

1. The Western Intendencia comprises an area of above 10,300 square miles, and contains numerous tobacco, sugar, and coffee plantations, and a great deal of pasture land, on which large quantitics of enttle are rearod. Bexides the capital, Havansa, it containe the towns of Guanabacoa, on the other side of the Cay on whieh Havanua is huilt, with about 9000 inhabitants ; and Matanzas, or San Carlos de Matanzas, which contained 18,901 inhabitants. Matanzas is next to Havnna the most important commereial town in the island. The town is well huilt and the harbour is well sheltered. The eugar exported from Matanzas averngee nearly 4 million dollars in value. Molases, rum, brandy, and coffee are also exported. To this intendencia belongs the Isla cle los Pinot, 900 square miles in extent, with a mountain on it rising to more than 3000 foot high. It contains from 200 to 300 inkabitants; fine foreste, in which much mahogany is cut ; and valuable marble quarries.
2. The Coutmil Intendencia has an area of upwards of 17,100 square miles, has many plantations of sugar and coffee, and breeds large herdis of cattle. It is the most fertile portion of the ibland, expecially about Santo Fispiritu, and has greatly lncreased In populntion and agriculture wince the ports have been opened to foreign commerce. The most populons places are inland, namely, Santa Clara, with 6132 inhnbitanter and Santo Espiritu, with 9484 inhabitanta. The capital, Santa Maria de P'uerto Principe, populntion 24,034, is also at nome dintance from the shore, hut carries on a conaiderable commerce by means of ita port Nuevitas. It is the sent of the supreme court of justice for all the Spanial colonies in America. There aro besides, ou the northern coast the harbour of San Juan de los Remedios, with 4313 inhnbitanta; and on the southern Trinidad de Cuba, with 12,718 inhabitants, and Ferwandina de Xagua.
3. The Eanteru Intendencia has an area of abovo 14,800 equaro miles: it has a large number of coffee and sugar plantations, hut hreeds much fewer cattle than either of the other Intendencias. Santiago de Cuba, the ancient capital, has a good harbour and 24,753 lnhabitants. The town la well built, the houses are cliefly of stone, and the atreets are wide. It is the seat of the archbishop and of the governor and authorities of the intendoncia, and contains a cathedral, several churches, convents and schools, a college, and an hospital; hnt the public buildings, as well as the dwelling houses, were greatly lajured hy a movere carthquake which occurred August 20, 1852 and several mucceeding dayn. Thero aro also threo other harbours, which are much frequented by ressels: Marzanillo, north-east of the Cabo do Cruz, population 3299; Baracoa, population 2605, near Cabo Maywi, from which a considerable quantity of tobseco is exported; and Gilara, farther west. Gibara is the port of Molguin, a small town ln the interior.

Government, Lave, dec.-The civil and military goverument of the island, nnbject of course to the authoritica in Spain, ls entrusted to a eaplaingeneral. In civil mattera however tho enetern aud central intedencias aro preaded over by governors, who are nearly independent of the captain-general, whowe civil jurisdiction is mainly confined to the wettern Intendeacia. There aro also military chiefs of the three intendencim, but they are directly suborlinate to the captain-genoral. The lave aro edminittered by a royal court ('real audiencis '), which has the muperior jurisdiction in all ciril and criminal ensos; by provincial 'aguntamalentos;' and in the country distriets by a kind of police courtn.
The revenve averages upwacis of 12 millions of dollars. About three-finhe of it are derived from oustoms duties, which aro levied at a fixed mi-valorem rate on almoet all artieles imported, and on the jrincipul aricles exported. Tho romninder in derived from tho the of crown-landn, atampe, lotterien, tithen, liecocen, \&c. The average experuliture does not exoeed 8 million dollare: tho surplus receipts are tranamitted is Spmin.
Religion, education, and morals aro invariably apoken of by trarcllers as being in a rery low stato. The ehnrel ha its prelatea, and other dignitaries, and is anpplied with an ample number of priesta, but they appear to be very gewerally capable of great limprovement, both in lesming and conduct. There are in the iskand two
colleges, various literary societies, and elemeutary schools; but thene last aro neither snficlently numerons nor well enough oonducted to be adequate to the duty of instrueting the juvenile population.

The aborigines who inhabited Cuba in the time of Columbus were annihilated before the year 1560 , thongh the Spanianis settlenl ln this island only ln 1511. The present population consists of whiter, negroen, and mised races. Their relative numbers hare been alroady givon. For a long period Cuba has been notorious for tho oxtent to which the traffio in slaves liae been carried on in its several ports. Tho English gorernment, after long continued efforts, at last aucceeded, abeut the middle of 1853 , in induciag the Spanish government to pledgo itself to adopt measures for the euppression of the slave-trade in Cuba; but it would soem, if the most recent accounts from Ameriea (received March 1854) are to bo dependled upon, that thongh the captaiu-goneral appears to bo anxions for its suppreasion, the trade is etill carried on with scarcely the preteuce of an effort being made by the local govemora to check it.
The population is very uuequally distrihuted over the island, nearly four-fifths of which are very thinly iuhabitod, cepecially the southeris coast, except the country between Xagua and Trinidad, and that which is east of Cabo dc Cruz; there are also largo tracts in the intorior which are only used as pasture-ground, and contain hardly more than two individunls to a square mile. The most populous portion is between tho lines from Bahia Honda to Batabano, and hence to Matauzas, where nearly the hal of the whole population is concentrated, and where perhnps there are 50 or 80 persons to each square mile.
The political importance of Cuba reats even more than on its extent and productious on its position with respect to the common routes of navigation. This ronte is marked out hy the trade-wiuds and the Gulf Stream. Vessels returning to Europe from Jamaica, or the coast of South America, hy asiling directly cantward, have to contend agaiust the united force of winds and currents, and are scarcely ahle to make either the Windward or Mona Passages, which are situated respectively at the western and enstern extremities of the Ieland of IInyti. They are therefore under the necessity of douhling Cabo San Antonio and proceeding to Europe by tho Gulf Stroam. Thus the possession of Cuba gives an absolute control orer the trade between Europe and all couutries lying about the Caribbeo Sea and the Gulf of Mexico, and consequeutly a great portion of the United States of America. The maritime powers lave for many years seemed to hold a tacit agreement to leave Spain in the possession of Cuba, because, being the least powerful of them all, there could be no apprehensions of any attempts on her part to interrupt the free narigation of these seas. An infuential party in the United Staten has however declared the aequisition of Cuba to be a prominent feature of its foreign policy, and to this policy tho preseut president of the United States, in his Inaugural Speech, in 1853, gare offcial countenance.
Cuba was discorered by Columbus on his first voynge in 1493; in I51 the Spminards formed the first settlement : eince that time tho island has remained in their possossion. In 1762 the I:nglish took the IIavanna, but it was restored to Spain hy the ponce of 1763.
(Hurnboldt; Ramon do la Sagra; Turnbull; Real Sociclad Economica de la Mabana; Memorias; Parliamentary Papers, ©ca)
CUCKFIELD, Sursex, a market-town and the seat of a PoorLaw Union, in the parish of Cuckfield, huudred of Buttinghill, and rape of Lewes, is gitunted on the old rond between London and Brighton, in $51^{\circ} 0^{\prime} \mathrm{N}$. lat., $0^{\circ} 8^{\prime} \mathrm{W}$. long. ; 13 miles N. from Brighton, $\$ 8$ miles S. from Loudou by road, and about 40 niles by the Loudon and Brighton railway. The population of the parish in 1851 was 3196. The living in a vicarage in the archdencoury of Lewes nud diocese of Chichenter. Cuckfield Poor Law Union contains 15 parishes and townships, with an area of 50,485 acres, and a population in 1851 of $15,607$.
Cuckfield is a neat cleau-looking town. The chureh is spaclous aud handsome, of early Euglish and decorated styles. It has ancmbattled tower with a lofty spiro, and contains numerous monumeuts. In Cuckfield are chapels belonging to Independents and Baptists; also a Natlonal sohool and a savings bauk. The workhouse lins boeu recently rebuilt on an enlarged scale. The market is held ou Friday. Fairs for cattle and horses are beld on the Thuraday in Whitaun-week nad September 16 th. Stone for building purpowes is quarried near Bolmere and elsewhere in the parial. Leigh l'oud, by Hurstperpoint, covers an arem of more than 10 acres
(Dallnway, Sussex; Horsfield, Susecx; Communication from Cuckfield).
CUDDALOTRE, a town iu the Camatle province, on the western abore of the 13 ny , of Bengal, in $11^{\circ} 44^{\prime}$ N. Lat., $70^{\circ} 50^{\prime} \mathrm{B}$. . long., is built on both aides of the Panaair liver. The houses on the left bank are modern, and many of them handsome. The streets on the right bank of the river, called tho Old Town, aro many of them apacious, and contain many good residencera

Cuddaloro was takon from the Fronelı by the arny uuder Colonel Coote in April, 1760, and remained under the govermment of the Nabob of Areot until April, 1782, when it was taken by tho llaja of Mysore, asisted by a body of lirench troops. In Junc, 1783, the town was attacked by a British force under General Stuart, which suffered great loso in atternpts to carry the place hy assault. Tho last
of these attacks, in which the besiegers lost 600 men, occurred only two days before the arrival of the news of peace haring been concluded between France and England : this erent of course put an end to hostile operations. Cuddalore, with the remainder of the province, came into possession of the Euglish by treaty in 1801, and has so continued. [Carnatic.]
(Renneli, Memoir ; Mill, History.)
CUDDAPATH, or Kirpa, a corruption of the Sanscrit word Cripa, signifying mercy. This division of the Balaghant territory, ceded to the English by the Nizam in 1800, is situated between $13^{\circ}$ and $16^{\circ}$ N. lat, and between $77^{\circ}$ and $80^{\circ}$ E. long. [Balagiauts.] Cuddapah has been constituted a collectorate by the English, and contains seven subdivisions, namely, Cuddapah, Cummum, Dupand, Gandicotta, Gurrumcondah, Punganoor, and Sidout : each of these subdivisions is named after its capital town. Throughout this collectorate, saltpetre, soda, and common salt are found abundantly, and to this cause it is owing that, except in the rainy season, the water is generally brackish.
The town of Cuddapah, in $14^{\circ} 32^{\prime} \mathrm{N}$. lat., $78^{\circ} 54^{\prime}$ E. long., stands 507 feet above the level of the sea, on both sides of the river Cuddapah, a small stream which rises in the hills to the south-east of the town, and is 153 miles N.W. from Madras, and 220 miles N.E. from Seringapatam, travelling distancc. This town was long the capital of an independent Patan state, and so continued for some time after the destruction of the kingdoms of the Deccan. The palace of the former uabobs has been converted into n court of justice and a prison. In the country surrounding the town a considerable quantity of sugar is made. The celebrated diamond mines of Cuddapah are about 7 miles north-east of the town, on both sides of the Pennair Piver. These mines have it is said been trorked for several hundred years with various success. The places in which diamonds have hitherto been found consist either of alluvial soil or of rocks of the latest formation. The mines are pits of small depth. Dr. Heyne, who carefully examined these mines, has given in his statistical tracts the following description of one:-"The uppermost, or superficial stratum, cousists of sand or gravel mixed with a small proportion of loam. Its thickness scarcely exceeds a foot and a half. Immediately under it is a bed of stiff blueish or black mud, similar to what are seen in places that have boen inundated; it is about five feet thick and contains no stones. The diamond bed comes next, and is easily distiuguished from the incumbent bed by the great nunber of large rounded stoucs which it contains. It is about two feet or two and a half feet thick, and is composed of largo round stones, pebbles, and gravel connected together by clay." Tho contents of this bed are washed out and then carefully examined several times. At first the large stones are picked out; in the subscquent cxaminations the sunaller gravel is carefully turned over by hand, while the persons employed "watch for the spark from the diamond, which invariably strikes the eye."
Cummum, the capital of the subdivision of that name, is in $15^{\circ} 37^{\prime}$ N. lat., $79^{\circ} 10^{\prime}$ E. long., 50 miles N.W. from Ongole. Drepaud stands in $15^{\circ} 55^{\prime} \mathrm{N}$. lat., $79^{\circ} 23^{\prime} \mathrm{E}$. long. Dupaud division, which is traversed by the Gondigam River, contains copper ore of good quality. The town and fort of Gandicotta are in $14^{\circ} 51^{\prime} \mathrm{N}$. lat, $78^{\circ} 23^{\prime}$ E. long., 43 miles N.W. from the town of Cuddapah. This was formerly considered a place of much strength; it is now of but little importance. There is a diamond mine in the neighbourhood. Gurrumcondah, near the verge of the Eastern Ghauts, is situated in $13^{\circ} 46^{\prime} \mathrm{N}$. lat., $78^{\circ} 34^{\prime} \mathrm{E}$. long, about 130 miles N.W. from Madras. The district is well watered by several mountain streams, and is very productive. Punganoor is a fortified town, in $13^{\circ} 21^{\prime} \mathrm{N}$. lat., $78^{\circ} 3^{\prime}$ 1. long., 47 miles N.W. from Vellore. Sidout is a fortified town, in $14^{\circ} 30^{\circ} \mathrm{N}$. lat., $79^{\circ} 2^{\prime} \mathrm{E}$. long., 12 miles E. from Cuddapah. It is surrounded by high stono walls in good repair, within which aro ramparts; the fort is commanded by some of the neighbouring hills. It was takeu by Hyder, who carried away the family of the nabob, and placed them in confinement. The town has much declined in population since tho occupation of the country by the English, and the removal of the government offices to Cuddapah. The entire population of the collectorate of Cuddapah does not probably much excecd one milhon. The great bulk of the inhabitauts are Hindoos.
(Renuell, Memoir of a MIap of IIindustan; Heyne, Statistical Iracts on India; Parliamentary Papers.)
CUENCA. [CASTLLLA-LA-NUEVA.]
CUERS. [Var.]
CULLEN, Scotland, a royal and parhamentary burgh and sea-port in the parish of Cullen, on the northern coast of Banffshire, in $57^{\circ} 42^{\prime}$ N. lato, $2^{\circ} 60^{\prime}$ W. long., about $13 \frac{1}{2}$ miles W. from Bauff. The population of the parliamentary burgh in 1851 was 1697 , that of the royal burgh was 3165. The town is built on the western acchivity of a hill which slopes to the margin of the sea, and is nearly in the centre of the Bay of Cullen. Tho burgh is governed by 19 councillors, including a clifef magistrato, three bailies, nad a dean of guild; and with Elgin, Banff, Inverury, Kintore, and Peterhcad, returns one member to the Imperial Parliament.

Cullen consists of two parts, the New Town which stands on an clevation, and tho Sea Town or Fish Town, which is situated on the shore and inbabited chielly by fishermen. In Now Town the houses
are good and the streets are regularly laid out and lighted with gas. The Sea Town is a collection of mean irregularly built houses. The harbour is good, thongh the depth of water at the pier head is ouly $8 \frac{1}{4}$ feet at neap tides. A few vessels belong to the port varying from 40 to 100 tons. Besides the parish church, which is of considerable antiquity, there is another church of the Establishment, and a Free church. The Cullen hotel is a large building, to which are attached the assembly-room, a court hall, used for the sheriff and Justice of Peace courts, and the council chamber of the burgl. One third of the inhabitants of the town are engaged in the fisheries. The deep-sea fishing for cod, skate, and ling commences in February and ends in May. The June fishings are for haddocks, which are dried into speldings; the herring fishing occupies July and August. In the bay is a salmon fishery. The principal imports are coals, salt, and staves, with barley for distillation at a distillery in the neighbourhood; the exports are herrings, dried fish, oats, and potatoes. Boat building is carried on to a considerable extent. There is a parochial library. Cullen was erected into a royal burgh by Robert the Bruce, though traditionally its corporation privileges are said to be derived from Malcolm Canmore. The town was burned down in 1645 by Montrose. The Earl of Seafield is landlord of the whole parish.
(New Statistical A ccount of Scotland.)
CULM, or KULM. [MARIENWERDER.]
CULMBACH (Kulmbach), a walled town in Upper Franconia, in the north of Bavaria, is situated in a fertile and agreeable couutry ou the left bank of the White Main, in $50^{\circ} 5^{\prime} \mathrm{N}$. lat., $11^{\circ} 27^{\prime}$. E. loug., and has about 5000 inhabitants. It is a well-built town, with three churches, a Latin school, hospital, infirmary, several breweries, potteries, earthenware manufactory, tile-works, tanneries, \&c. In the neighbourhood much potter's clay is raised; and on a mass of rock close to the town stands an old castle, the Plassenburg, at present used as a house of correction, the prisoners in which are employed in weaving carpets and coarse woollens, and spinning yarn. The outworks of the castle were razed by the French in 1808 . Culmbach is a station on the railway from Nürnberg to Hof. It is 24 miles N.E. from Bamberg and about the same distance E. from Lichtenfels, both of which are on the same line.
CULROSS, Perthshire, Scotland, a royal burgh in the parish of Culross, is situated on the northern shore of the Frith of Forth, in $56^{\circ} 4^{\prime} \mathrm{N}^{\prime}$ lat., $3^{\circ} 37^{\prime} \mathrm{W}$. loug., 23 miles N.W. by W. from Ediuburgh, and 6 miles W. from Dunfermline. The population in 1851 was 605. The burgh is governed by two bailies and seven councillors, of whom one is provost. Culross, with Stirling, Dunfermlive, Inverkeithing, and South Queensferry, returns one member to the Imperial Parliament.
The town consists of a few irregular streets, the houses in which are built on the face of the hill rising from the shore. At the time of its erection into a royal burgh by Jamos VI. (James I. of Eugland), in 1588, the town was very prosperous owing to coal-works in the ncighbourhood, the produce of which was exported to Holland. The manufacture of 'girdles,' or iron plates, for baking vaten cakes, of which Culross had a monopoly by patent, was also a flourishing trade, but it has been superseded by the cheapor productions of the Carron iron-works. Some of the inhabitants are employed in the cotton and linen manufactures. There is a small pier for fishing and passage boats, which cross the Forth to Borrowstouness,
The abbey or monastery of Culross was founded in 1217, and conslderable remains of it still exist. The former chapel of the abbey now forms the parish church. It is a cruciform building, with a massive western tower, and stands in a commanding situation in the higher part of the town. At the east end of the town are the ruins of St. Mungo's Chapel, near which it is said the saint was born. Of tha former parish church some ruins still remain in the parish burial-ground. The town-honse is an old building. Culross parish is separated from Perthshire by a part of Clackmannanshire, and is pohtically united to Clackmannanshire and Kinross-shire. Thers are two clargymen in the charge, which is collegiate. An eudowed school is in the burgh, in addition to the burgh school and the parish school.

CUMA (Kú $\mu \eta$ ), an ancient town on tho coast of Campania, about 10 miles W. by N. from Naples, which has been long since totally ruined. Strabo describes it as a joint colony from Chalcis in Eubœa and from Kumé in Æolis, namod after the latter but always styled as a colony of the former. It is certain that it was ono of the earliest Greek colonies on the coast of Italy. A colouy from Cumæ originally founded Zancle, afterwards Messene, in Sicily (Thucyd. vi. 4), in tho 8th century B.c. Cumæ seems to have rapidly attained great wealth and importance through its maritimo trade, and at the period of its grcatest prosperity, about B.C. $700-500$, it was the first city in this part of Italy, and had extended its sway over the greater part of Campania. The Etruscans are said by Dionysius to have sent an army against Cuma, which however was defeated near the banks of tho Vulturnus. Athenæus (xii.) describes from older writers its former splendour and the wealth of its citizens. According to Livy (viii. 22), the people of Palropolis (afterwards Neapolis) were also a colony from Cumw. The story of the Sibyline books being offered to Tarquiu, attributes them to a Sibyl or prophetess who at some remoter period resided at Cumæ. The same Tarquin the Proud, after vain attempts to recover his sovereignty, died at Cımæ, where he had
songht an arlam under Ariatodemns, who, himself on exile from Measenla and driven away by the Lacedremonions, had come to Cume and usurped the sovereign power. The city was taken in B.c. 420 by the samuiten, who pillaged ith slew the malo inhabitants or sold them as slaves, and settled a colony in the city. From this time Cumse ceased to be a Greek citr, and becamo a sucond-rate Campmaian towu. At the end of the Latin war Cumae was included in the general peaco with Capua asd other town of Campanis. (Liry, viii. 14.) During the sccond Punic war Cumse was atill independent and had its own senate, which, instend of siding with Hanuibal like the Campanians, took part with llome, and by its timely information to the consul Sempronins Gracchus enabled him to surprise the Campanians while offering their sacrifices, and to kill a great uumber of them. Upon this Innnibal bastened from his camp on Mount Tifate to attack Cumar, which was defeuded by Gracchus, who repulsed the Carthaginians with great loss (Liry, xxiii. 35, 37.) Cume gradually declined from its former importance owing to the superior attrections of Baix. Juvenal ('Sal' 3) speaks of it as comparatively depopulated. 'Under the ounpire Cumso was celobrated for the manufacture of red earthenware. It suffered afterwaris in the wars between the Goths and Narses, who availed himself of the Sibyl's grotto to undermine the citadel, without however effecting the capture of the fortress, although he destroyed or disfigured the Sibyl's abode. Cumm was at one time a bishop's see, but the town being completely destroyed by the Saracens at tho beginning of the 13 th century the see was incorporated with that of Naples. The town lay partly on the hill which is racky and steep, ond partly on the sea-ehore. Thero are the remains of an amphitheatre in the plain towards the south. The Temple of Apollo stood in the Acropolis on the hill which is uow called Rocca di Cuma The ground is here strewed with prostrate columus, capitals, and fine marble slabs with Greck inscriptions, half-covered with aromatio herbs, wild flowers, and the leaves of the vine-trees, which grow here luxuriantly. A farm-house on the hill is still called the House of the Sibyl, and the people pretend to show her baths, which are now converted into wine-presses, and her grotto, which is an excavation in the rock (on which the citadel of Cumestood) leading to several subtersaneous galleries half-filled with rubbish, and said to extend as far as Averno and Baise. Many statues have been found in this neighbourhood. From the summit of the rock there is an extensive view extending on one side over the wide expanse of the Mediterranean, and on the other over the lakes of Fusaro, Licoli, and Patria, "and the lowlands of the const as far as Gaeta; while to tho cast the Mons Gaurus ecparates it from the const of Pozzuoli and the liay of Niples. The plain is strewed with the ruins of temples, villas, baths, and sopulchren. Many farm-houses aro scattered about, for the country is fertile thongh unwholesome in summer. The rond from Pouzuoli to Cumre pasees under a fine arch or gatcway, Inclosed betweeu two rocke, through which the road has been excavated. This arch, probably a work of the Roman period, is now called Arco Felice Setroniu: Arbiter, the discarded farourite of Nero, put himself to denth at Cumw in the mauner related by Tacitus. ('Annal.' xvi. 19.) Fixcavations made at differcut periods liave brought to light numerous architectural frngments, statues, and vases, many of them of the best period of art. The Prince of Syracuse has recently been most assiduous in expioring the gronnd, and he disinterred many 'wonders of art 'in 1853. Among thetr is mentioned a temple of Diana, 345 palms in length, the architecture and embellishments of which are said to equal onything that remains of the Parthenou. In the same year more than 150 tombs of the necropolis of the ancient city were explored, and a variety of antiquarian treasures, such as vases, rings, artlc'es in coloured glass, \&ic., were found. These interesting discoveries are deacribed In the correspondence of the "Atheneum' for 1853.

CUMANA. [VExpzUEIA.]
CUMANIA, or KUMANIA, Greal and Litle, two privileged districts In Hungary.

Grad Kimmania lies between $17^{\circ}$ and $47^{\circ}$ 10 N. lat., $20^{\circ} 30^{\circ}$ and $21^{\circ} 10^{\prime}$ Fo long., indejendently of a small district on the right bank of the Kijröe, and another on the lef bank of the same river. The wholosurfnce in a low plain, coutaining an area of about 124 square milen, one lialf of which is a awampy bog. The upper part was rechimed to a great extent ly tho construction of an immenso dam in the jear 1750. Such portions of the soil as almit of cultivation are extrexaly productive, and yield plentiful crops of wheat, barley, melon, de. ''lie mealows and pasturea aftord cxcellent forder and lay, and the rearing of cattle is carried on extensively. The land is full of bulruwhea, which, with ntraw and dung, supply the place of fuel. The $\ln h=l i t a r t a$ are a robust mece, rery fond of rural purauits There are no large lauded proprictors, or fendal lords, as in most parts of llangary; the peoplo linve indepeadent juriadiction of their own; and ued to neud representatives to the llingarina Diel Great Cumania contaiu ono marketown (Kandesag $1 ;$ Ssfllhe, 17 $20^{\prime}$ N. Lat, $20^{\circ} 55^{\prime} \mathrm{E}$. loug., whleh bas sbout 11,100 inhabilanth, and is a thriving unart for the grnin, frulh wine, and cattle, which the exuberant fertility of the surrounding country enobles the people to raine) and 5 villages.

Little Cumania, situated sonth of the preceding, and on the right lank of the Thaisa, consiats of two large and three emall tracts of country. The Larger traete adjoin the county of Csongrid on
the enst, aud the countios of Bacs and Ciongrid on the swuth; their northern boundury in the county of Penth: two small tractn lie to the east of them, the one, next to the county of Heves, comasting of two pruedia, or priviloged nettlomentu; and the other, of Latahdza, with ita amall cerritory and two pradin, on the lauube, between Rntzkery and Bugyi. With tho exception of a few sand-hille, the Whole of Litcle Cumania la a completo level. Its area is alcogether about 1003 square milea, and its population about 58,000 . The conntry is full of swamps and nheots of water, but has no runuing streams. A great part of the surface is occupied by these swamps, or with sand ; but the availabla surface contains fine tracts of rich loam, and is fertile in grain. Besides grain, listle Cumania produces tobacco and melons; cattle, sheep, and horses are reared on its pastures. The Palatine of Hungary is the 1 munediate governor both of Great and Little Cumanin ; the chicfs of districts, and justises of circles, are subject to his authority. The people of Little Cumanin are as independent, robust of make, and rich, as their brethren in Great Cumanin Little Cumanin coutains 3 unarket-towna, 5 villager, and 37 predia. The towns are Jinkes, on the banks of the Malastó, a large shect of water, in $46^{\circ} 36^{\prime} \mathrm{N}$. lato, $19^{\circ} 32^{\prime}$ E. long. It lass $a$ population of about 10,000 , and a considorable trade in grain and wine. Felegyhiza, between Ketskeunét and Szegedin, has 12,970 inhabitants, and is cmbellished with a handsome edifice, where the Cumanians have their courts of justice and keep their archives. Near this place several Roman urns have becu dug up. There is an extensive traffic here iu grain, fruit, wine, and cattle. Kun SsenfMiklos lies on the Baker, to the south of Pesth, and has about 1300 inhabitants.

CUMBER. [Downsmine]
CUMPERJAND, oue of the northern counties of England, lies between $54^{\circ} 11^{\prime}$ aud $55^{\circ} 12^{\prime} \mathrm{N}$. lac, and $2^{\circ} 17^{\prime}$ and $3^{\circ} 37^{\prime} \mathrm{W}$. loug. It is bounded N. by the Solwny Fritl and Scotland, S. hy Westınoreo land and Lancashire, E. by Northunserland and Durham, and W. by the Irish Sca. The extreme length of the county is about 74 miles, and its greatest breadth 34 milos. Its area is 1565 square miles. The population of Cumberland in 1511 was 175,088 ; in 1851 it was 195,492 , being an increase of nearly 10 per cent.

In consequence of the cultivation of extensire commons and wrste lands, the aspect of the county has been completely chauged. Withiu the last aixty jears more than 250,000 acres have been inclosed. Mnny of the commons which previously afforded ouly a scanty pasturage to a few half-starved sheep and cattle, aro now covered with fertile cornfields and profitable herbage, and have hawthorn fences, good ronde, and commodious farm-buildings.
Surface, Iydrography, and Communications.-The cast and southwest parts of the county are very mountainous, rugged, and uneren ; the north and north-west parts are low and flat, or geutly undulating. Hills, ralloys, and ridges of elcrated ground occupy tho midloud parts To a traveller, the mountainous district in tho south-west is the most interesting. This part contains Suldleback, Skiddaw, and Helvellyu, and the lakes of Ullawater, Thirlmere, Derwent-water, and Bassentliwaite. This magnificent asseunblage of lofy mountains and beautiful lakes annually attracts tourists from all parts of the kingdom, from the contineut, and frem America. Several of the other districte, though not mountainous, are hilly, and present an endless variety of landscape; some of the valleys are traversed by rivers, and afford perhaps a greater variety of delightful scencry than auy other county. Besides the lakes already mentioned, there are several of smaller nize, equally celebrated for their diversilled and picturesque scenory. Buttermere, Crummock-water, Lowes-water, Linnerdale, Wiast-water, nud Devock-lake, are frequently visitod by travellers in their excursions. There are also sereral unotuntain-tarns, or emanll pieces of water, the chief of which are Over-water, not far from Uldale; Burn-moor-tarz, at the head of Miterdale; Tarn Wadling, near High Hesket; Talkin-tarn, in the parish of Hayton; aud Martin-taru, in that of Wigton.

The following is a tabular vicw of the principal lakes of Cumber-laud:-

| Laker. | Scarent Market-towns. | $\begin{gathered} \text { lenght } \\ \text { in } \\ \text { milies. } \end{gathered}$ | Mreadth tn milles. | $\begin{aligned} & \text { lepth } \\ & \text { ia } \\ & \text { fect. } \end{aligned}$ | Helght in fect above the sea. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Ulinwater . | renrith | 9 | 1 | 210 | 410 |
| Thirimere . . . | Keawiek | 23 | 1 | 108 | $4 \%$ |
| Derwealwater. | Kemwiek | 3 | 11 | \% 2 | 222 |
| Bussenthwaite. | licawlek | 1 | 1 | 68 | 210 |
| Uuttermere . | Keswick | 14 | $t$ | 80 |  |
| Crummock. . . | Cockermouth | 3 | 2 | 132 | 200 |
| 1.0 wes-water . | Cockermouth | 1 |  | 64 |  |
| Linnerdale... | Whitelarea | 31 |  | 80 |  |
| Want-water. | Itarengians | - | $\delta$ | 270 | 160 |

All the lakew are well stocked with fish, particularly with trout, pike, and perch. Ullawater, linnerdale, Crummock, and Butternuerc contain char. Tarn Wiadling produces nome of the finest carp) in the kiugdom. There are everal jicturesque waterfalls, of which the following aro the principal, with their respective situations nud heights:-


The following are the naroes and altitudcs of the principal mountains, aud the districts in which they are situated:-


The offsets of the western or Skiddaw range of primitive and transition mountains extend within five miles of Carlisle, and four miles of Wigton. Those of the secondary (Cross-fell, or Penine chain) do not reach quite so far north as Tindale-fell, near Brsmpton.

The principal rivers in Cumberland are the Eden, the Esk, the Derwent, and the Duddon. The Eden enters the connty on the south, where it unites with the Eamont, runs to the east of Penrith, and passea Kirkoswald, Armathwaite, Corby, Warwick-bridge, and Carlisle, receiving in its progress the Croglin and the Irthing on the right hank, and the Peteril and the Calder on the left bank. The Eden discharges itself into the Solway Frith, near Rockliff, where it forms a fine watuary. The scencry along the conrse of tho Edon in this county, which is about 35 miles, is very varied and beautiful. The mansions and ploasure-grounds of Skirwith Abbey, Edon Hall, Nunnery, Armathwaite, Low Honse, Corby Castle, Warwick Hall, and lickerby, adorn its banks. The Esk enters Cumberland from Scotland, and passes Kirk-Andrews and Netherby, flowing throngh a benutiful vallcy in a south-west dircction to Longtown. After receiving the Liddell, which rises in Scotland, and for about eight miles forms the boundary between Scotland and Cumberlaud, and the Line, which is formed by the junction of two treams arising near Cbristenburgh Craga, called Black Lino and White Line, it falls into the Solway Frith near Rockliff Marsh. Its course in this county is about 10 miles. The Derwent takes its rise from Sparkling-tarn, among the crage at the head of Borrowdalo, passes throngh Styhead-tarn, and forms the lake of Derwent-water, at Keswick, where it is joined by the Greta. It then pursues its course to Basseuthwaite and Cockermouth. At Bossenthwaite it forms Bassenthwaite-water, and at Cockermouth it receives the Cocker. After running about 33 miles and passing many pleasant seats and villages, it falls into the sea near Workington. The Duddon rises on Wrynose-fell, near the junction of Cumberland with Westmoreland and Lancashire, and in its course to the sea of about 20 miles, forms the houndary between Cumberland and Westmoreland. The Dnddon discharges itsclf into the sea at Duddou Snnds.

Of the smaller rivers the following may be named:-The Sark runs between Cumberland and Scotland for aboutsix miles nearSolway-moss, and finds its way into the Solway Frith. The Wnmpool rises in Brockle-bauk-fells, at Dockray joins the Wiza, and runs past Gamblesby to the sea, which it enters near Kirkbride. The Warer has its origin in Brockleluank and Caldbcek-fells, and takes a similar course to the sestuary. The Ellen rises from Caldbeck-fells, and cnters the sea at Maryport after a course of about 18 miles. The Nent rises in the southeastern cxtremity of the parish of Alston, and joins the South Tyne near the town of Alston. The South Tyuo has its source in a swamp or bog.ground about 7 miles E. by S. from the summit of Cross-fell, and a little below Alston enters Northumberland. The Tees rises in the same swamp, nbout a milc from the source of the South Tyne, and for nearly four miles forms the boundary between Cumberland and Westmoroland. The larger rivers abound with salmon, tront, brandling, snd various other kinds of fish, and the smaller streams with trout and eels. Salmon-fishing commences in the Eden, January 1st; in the Solway Frith and Esk, March 10th : it closes on the 25 th of September in all the Cumberland rivers except the Derwent, in which it continuce from the 10th of Fehruary to the 10 th of October. Game, especially grouse, is sent in great quantities to the eouth of England.

The ship canal from Carlisle to the Solway Frith is the only canal in Cumberlaud. [Canlisles] Two important turnpike-roads cross the county: one passes from cast to west and the other from south to north ; the latter, one of the principal roads betwoen London and Glasgow and Edinburgh, enters the county near Penrith. It passes through Carliale and then through Longtown to Edin burgh; previonsly giving off a branch 3 miles worth of Carlisle to Glargow, by Gretna, which crosscs the lisk by a cast-iron bridge. The road from east to west extends from Newcastle to Carliale, 56 milea, and from Carlisle to Whitelinverı 41 miles. A turnpike-road extends from Brampton to Longtorn, 11 miles: there is also one from Keswick to Ambleside,

16 miles, which passes through a pleasant and picturesque conntry. There are several other turnpike-roads. The Lancashire, Kendal, and Carlisle railway enters tho connty near Penrith and proceeds in a northerly direction past Carlisle, quitting the county at Springfield, about 10 miles from Carlisle : its total length in Cumberland is abont 30 miles. The Newcastle and Carlisle railway proceeds eastward from Carlisle; its entire length iu the county, which it quits near Denton, is about 20 miles. The Carlisle and Maryport railway proceeds from Carlisle in a south-westerly direction to Msryport, 28 miles, whenco it is continned along the coast past Workington and Whitehaven, by the Whitehaven and Furness junetion to Broughton, 38 miles. From Workington a branch, $8 \frac{1}{2}$ miles long, is carried on to Cockermouth.
Geology, Mineralogy, dec.-Cumberland is situated in the red marl district which lines the western base of the great chain of mountains denominated the British Apennines (the Back-Bone of England), extending from the Tweed into Derbyshire. This district extends iu a northerly direction from the north-west corner of the Cheshire plain, along the western coast of Lancashire into Cunberland and the sonth of Dumfriesshire. White and red sandstone, but chiefly the latter, may be found almost everywhere withiu the limits described. St. Bees' Head is entirely composed of new red-sandstone. At White haven the red marl formation is scen reposing ou the coal formation, covered by the marl-beds containing gypsum: the same formation is seen filling up the great space between the Cumberland group of mountains and the British A pennines at Cross-fell. At Newbiggin and Coat-hill, near Carlisle, gypsum is found lying in red argillaceous marl between two strata of sandstone: the formor quarry is much wrought, and gypsum is exportod in great quantities from Carlislc. At Barrock, 3 miles to the sonth of Newbiggin, is a large rock of greenstone, much used on the public roads. A trap or basaltie rock is also observed near Berrier, at the hill called Binsey, and also on the north side of the Derwent, near Cockermouth. The primitive and transition groups of the Cumbrian mountains consist of granite, sienite, hyperstheno, greenstone, slate, old red-sandstone, and mountain limestone. A gray kind of granite is found in the bed of the Caldew, on the northeast side of Skiddaw ; and also in a branch of the river Greta, between Skiddaw and Saddlebaek. Sienite is met with at Irton-fell, Muncaster-fell, and Nether Wasdale; and hypersthene, in conjunction with quartz aud felspar, commonly referred to the class of sienite, at Carrock-fell. A reddish felspar porphyry is found on Amhroth-fell and on both sides of St. John's Vale, near Keswick. Varictics of slste, intersected by dykes of trap or greenstonc, constitute the great mass of Skiddaw, Saddleback, and the adjaeent mountains. The common stone of the Keswick district is called blue rag, schistic earth, or whintin. At Borrowdale, Eskdale, and Patterdalc, Scaw-fell and Helvellyn, and somo adjacent places, gray slate is associsted with hornstone, amygdaloid, and argillaceous porphyry, eonstituting tho towering crags aud lofty precipices of these districts. Many of the cataracts of the lakes fall over rocks of this descriptiou. Quartz, garnets, calcareous spar, chlorite, epidote, and nometimes agate, opal, and chalcedony, are found in these rocks. The old red-sandstone occurs near Melmerby. Metallifcrous limestone, productive of lead ores, abounds in the monntains of the east and also of the west of the county. Boulderstoncs, from the granite rocks of Dumfriesshire, oceur in the eastern parts of the county ; and some of the grauite of Caldow and of the sicnite of Carrock is found near Carlisle. Shap-fell boulders are found on the shores of the Solway Frith; and boulders from the sienite of Bnttermere and Ennerdale are met with on the west coast of the county.

The minerals are silver, copper, lead, iron, plnmbsgo, limestone, and coul. The principal lead-mines are sitnated at Alstou, and are almost exclusively the property of Greenwich Hospital, to whieh iustitution they were appropriated by Aet of Parliament on the attainder of the Earl of Derwentwater. Silver and copper are found in some of the mines in the same veins with the lead-ore. Silvcr and lead are got in abundance at Greenside and Eagle-crag in Patterdale. Veins of lead-ore have been found and worked betwecu Skiddaw and Saddleback, in Bnttermere, Newlands, and Thornthwaite. There are copper-minos at Alstou, Caldbeek, and at Wythburn. There is one also below the level of Derweut-wator, and another in the parish of Lowes-water. Iron-ore is raised in great abundance near Egremont the thickness of the band of ore, which is hard solid metal, is said to be between 24 and 25 feet. The quantity of iron-ore shipped from Ulverston and Barrow is very great. The ore of this county produces npwards of donble the quantity of metal that is got from iron-ore in general. Coal is worked to a large smout at White haven, Workington, and in the vicinity of Maryport, whence it is exported to Ircland and the west of Scotland. The eastern part of the connty also abounds in coal, particularly Tindale-fell, Talkin, and Blenkinsop, which produce tho chief supply for Carlisle, Brampton, Penrith, and the intcrmediate country. Some of this coal is uow cxported at I'ort Carlisle to Ircland and Scotland. Thero are collierios at Gilcrnx, Arkleby, Onghterside, Bolton, and Hewer-hill. Limestone is very abundant in many parts of the county. In some places it is burnt in great quantities for exportation, particularly to the west of Scotland. At Catlands the limestone is orerlaid by the coal-measnres on all sides. Plumbago, or black-lead, is fouud in irregular masses in a rock of gray felspar porphyry at Borrowdale near Keswick. A littlo
cobalt has boen got at Newlands, and antimony near Bassenthwnite. Lapis calaminaris, arnall quantities of manganeso, galena, iron prrites, and spar of rarious kiuds and of different colours and forms aro found in sereral places. Slate of a palo-blue colour and of the fiueat quality is plentiful in Cumberland, purticularly in the neighbourhood of Keawlck and Ullswater.

Climate, Soil, Agriculture- In consequence of the great extent of coast and the numerous high mountaina, the climate is various. The mountains aud high grounds are cold and plercing; the lower parts aro mild mad temperate: the whole county is cxposed to wet and variable weather, particularly in the autumn, yet it is healthy, and many instances of longevity oceur. The anmual mean quantity of min at Carlisle ls about 30 inches; at Wigton, 34 inches; at Whiteheven, 50 inches; and at Keswick 68 inches. April on an average is the driest month of the year. July, August, September, and October are wet months: about twice as much rain falls in each of these months as in the month of April; and about one-third less rain folls in the first six monthe of the year than ln the last six months. The soil of this county varies much; it often differs in the same parish, and sometimes cren in the same feld. The mouttainous districts are bleak and barren; the most prevalent soil being mossy or dry gravel covered with heath. They aro chielly used as sheep pastures and preserven for moorgame. Some good land of dry brown loam is found in the valleys and on the sides of some of the smaller mountains. On the margins of the rivers is much raluable grouud, consisting of rich brown loam. On the coast the soil is llght, saud or gravel. The lowland country, extending from Carlisle in every direction for many miles, is fertile, thongh a considerable portion of it is cold wet loam and black peat earth; this land has been much improved by draining, which is now carried to a very great cxtent. There is a good deal of fertile clayey loam in the neighbourhood of Wigton. Sand and light loam prevail near Brampton, and likewise near Pearith. In the west of the county there is some wet soil on a elay bottom, and also some hazel mould. The subsoil in many places is a wet storile clay. Tho agriculture of the county bas improved considerably of late jears, and great quantities of com and producc of various kinds are now exported. The chief exports are from Port Carliale, Whiteharen, Workington, and Maryport, and consist of cattle, sheep, poultry, grain, potatoes, bntter, bacon, \&c. The land bsing divided into small farms, the dalries aro necessarily on a small scale, though their produce is excellent, and bears a high price in the market. Mauy of the farm do not exceed 100 acres, and some are not inore than 30 or 50 ncres. They are possessed on verbal or written contracte, or on very short leases. There are few farms let on lenses of 14 or 21 years. Many persons, provincially called 'lairds,' or 'statesmen,' occupy their own lande, which in some instances have pamed for several coutnries in a regular line of descent in the same fanilies. Some of these pernons have an air of independence which forms a peculiar trait in their character. A small part of the land, in mome places, lies in opeu town fields, which cannot have the benefit of the common improvement in husbandry. This land usually lies in ridges of rariable width, upon which the grazing cattle that are herded do frequent injuries to the crops. In other places there are certain common lauds that are annually stocked with cnttle and horses, on a fixed day, by the owners or occupiers. These lands are alwnys in gras. In high and mourtainous districts the chiof object of attention on the part of the farmers is their sheep stock, though of late years - conviderable quantity of ligh-lying land has been brought into cultivation, which, ou account of the steep declivities, is very laborious. In some of these places the climate is cold, the corn backward, and the harvent late. The valleys and low ground are cultivated chlefly for grain, and produce excellent crops of wheat, barley, and oats ; these are alternated with turnips and potatoes or fallow. Some of the lands that are well suppliod with water are kept as meadow or pasturen for dairiem, and for rearing and fattening cattlc.

Candlemse is the unual time for entering upoll farms, and the rents are paid halfoyearly, in equal portions, at Lammas and Candlemas. The modern farm-housem liave a bandsome appearance, being generally bnilt of stone, and roofed with blue slate. The old farm buildings and cottages hare clay or inad walls, and are thatehed with straw. There in a great rariety of cattle and sheep. A pocnliar breed of wheep, called 'llerdwickn,' from thelr being farmed out to herds at a yearly sum, is met with on the mountalns, at the head of the Duldion and kisk rivers. The ewell and wethors and many of the tupe are prolled; their facos and legs speckled, and the wool short and conre. They aro lively and hardy little anlmals. The tups are lu great requent to improve the hardiness of other flocks. There are several agricultural nociotles and cattle shows In the county, which give a stimulue to agriculture, antl encourago improvements in the broed of live nlock, by dintributing rowarde and premlums At Carliale, Whitehaven, and l'onrith aro horticultural and floml socleties, which aro well supported, and are of eervice In exciting attention to the cultivation of frults and flowern.

Cumberland farmers are in general temperato, socisl, and intelligent pooplc. They aro strong and robust, and in their usunl modes of life frugal and Induatrious. They rise carly and labour hard. They wear eloga and coarse plain dremen, take ontmeal porridge to brcakfast, and often bacon and ealt meat to dinner. Their bread is commonly made
of barles, or of barley and rye. In some places, aten bread formed Into thin cakes, and 'scons,' or unlearened oakes, aro chielly used. Mlilk, potatoon, and kimmed milk cheese ano uuiversally consumed. Tea, wheat bread, and anlmal food aro now fust superveding theso simple articles of diet. About 60 jears ago the farmers wore kelt cloth, which was of a gray colour nad home spuu, aud hence the marue of 'gmy-coats,' which the Cumbrians receired. Home-rpun clothes aro now only worn by a few persous in the mountain districts. The peasants pay great atteution to the education of their childron. In some rural districts, where the quarter pay is not adequato to support the smaster, ho is allowed a "whittlo-gate, or the privilege of dining In rotation with the parents of his pupils-a custom which formerly provailed also in some wacea with the poorer elergy. Farm-serranls are hired at Whitsuntide and Martinmas, at the fairs held in the largo market-towns. They stand in the inarket-places, and are diatinguished by having a piece of straw or greeu branch in their mouthe. After the hiring is over, the remninder of the day is dedicated to wirth and festivity. Cumbrinn peasantry havo rarious festive meetiugs, called the "kirn,' or harvesthome, sheep-shcaring, nerry nights, and npahots. Bridewains and blddon-weddings are still held in some parts of the county. Wrestling, runniug, and leaping are the favourite amusements and athletic exerciaes of the peasantry.

Divisions, Towns, dec.-This county is dirided into fire wards, or hundreds, known by the names of Allerdale above Derwent, Allerdale below Dorwent, in the northern extromity of the county, Cumberland, Leath, and Eskdale wards. It contains one city, Canlasle; the parliamentary boroughs of Cockermouti, and Wintelaver, aud 15 market-towns, nainely, Alston, Bootles, Bramptos, EGBexost, Harrington, Ilesket-Newmarket, Ireby, Krswick, Kirkoswald, Longtown, Mabyport, Penritu, Ravenglasa, Wigyon, and Workingan. Harrington, Hesket-Newmsrket, Ireby, Kirkoswald, and Ravenglass we notice here; the other towns will be found under their respective armos.
Ifarrington, population of the parish 2169 in 1851, is a small dourishing sea-port about $\$$ miles $\$$. from Workington. The houses are mostly modern and well built. The harbour is well constructed, and the trade steadily inereasing. Coal and lime are exported. Iu the coal trade, which is carried on chicfly with Irish ports, upwards of 40 vessels are employed; and in the lime trade, which is chiefly carried on with the opposite coast of Scotlnnd, there aro several hundred sloops. Hero aro a jard for ship-building, a rope-walk, and a vitriol and copperas manufactory. The parish clurels is a plain strueture without a tower. There are chapels for Wesleyan and Primitive Methodists, a British sehool, and a clothing society. Thero is here a station of the Whiteluven Junctiou railway. Iron-stono and fire-clay are found in the vicinity.

Hesket-Neomarket is a small but neat town, situated on the banks of the Caldew, 18 miles S.W. from Carlislo: population of Caldbeck parish, in which Hesket is situated, 1667. Tho Weslejan Methodists and Quakers have places of worship. It lins a small weekly market on Firday; and there are several fairs which are well atteuded.

Ireby, population of the parish 505 in IS51, is 10 uiles S.S.W. from Carlisle, on the left bank of the little river Ellen, which issues from Over-Tater and falls into the sea at Maryport, Ireby is a very old town, having had a market granted to it 600 years ago. The church is small. There is a school with a trifliug cudowment. Clea Hall, Whitehall llouse, aud Suittlegarth are iu this neighbourhood.
Kirkoscald, population of the parish 825 , is situated in a beautiful vale on tho small siver Raven about half a mile abovo its junction with the Eden, 15 miles S. Fi. from Carlisle. The chureh was dedieated to St. Oswald, the celehrated martyr and king of Northumberland. The tower, in which ano three belle, stands about a furlong eastward from the church on an elevated site. Ncar the town are the renains of an ancicat castle and $n$ mansion called the College. The town is amply supplied with water. There are a paper-mill, a sawmill, a mill for carling and spiuning wool, corn-mills, a brewery, and coal- and limeworks. The weekly market is on Thursday, and theno are great markets on Thursday beforo W'hitsuutide and August 5 th.

Kavenglase, population of the parish of Muncaster in whel it is situnted 623 , is a small market-town nad sea-port, situatod along the const at the confluence of tho Esk, Mitc, and Irt. Thero is a falr held hero with very siugular customs and ceremonies on August 5 th. It has a market on Fridny, a large workhouse, and an endowed school. Near thls place are Muncaster House and the ruins of Walls Castle. Oysters abound on the coast between this townand Bootle. Iravenglasa posscsues a small coasting trade, chicfly in corn, timber, and coal. The following are some of the more important villages, with thelr population $\ln$ IS5I and a few other particulars:-
Abley IIolme, or Ifolme Cultram, about 6 niles W. by N. from Wigton, near the mouth of the river Waver: populatiou of tho parish 3212. The parish church was formerly the chapel of a Cisterciau monastery, which was founded by klug llenry I. At the west end is an claborate Norman dourway. The Wealoyan Methodista and Quakers have plinces of wordij!. Fairs are held on October 29th and on the Tuesday before Whitsuntidc. Allonby is on the sen-const, 5 miles N.E. from Naryport: populatiou of the chapelry 749. Allonby Is a favousito resort for nea-bathing during the somson. The village contains some good houses and ham a neat appearance. The
herring fishery formerly employed the inhabitants, hut is now of little consequence. There are here a chapel of ease and a place of worship for Quakers. Aspatria, about 6 miles N.E. from Maryport: population of the joint township of Aspatria and Brayton, 1123. The parish church has many interesting architectural features. The Independents have a place of worship in Aspatria. A small market is held on Thursdays. St. Bees, a village near the sea-coast, about 4 miles $S$. from Whitehaven: population of the township, 971 . The parish church was formerly a part of the monastery of St. Bega: the building is cruciform and has a massive tower. The uave only io used for puhlic worship. The chancel is occupied by the Clerical College and School of Divinity, established in 1816 by Dr. Law, late hiehop of Chester, for the instruction of young men intended for holy orders. Nearly 1000 clergymen have been educated at St. Bees' College. The number ordained in 1851-52 was 34. There were 115 etudents attending the college in 1852. The Grammar school, founded at the close of the 16 th century hy Archhishop Grindall, has an income from endowment of about 1200l. a year. The provost of Queen's College, Oxford, has the appointment of the head and second masters. There were 167 scholars in 1852. The school has some presentations to fellowships and scholarships at both Oxford and Cambridge. Brigham, about $2 \frac{1}{2}$ miles W. from Cockermouth : population of the township, 446. The parish io extensivc, having as ite boundaries the lakes of Baseenthwaite, Buttermere, Crummock, and Lowes-water, and the river Derwent. The parish church, dedicated to St. Bridget, is an ancient odifice, poesessing some fine windows; it is situated on an eminence on the left bank of the Derwent, ahout half a mile from the village, in a position which commands an extensive prospect. Borrondale, a township in the parish of Croethwaite; the name is also applied to an extensive and exceedingly picturesque district: population of the townohip, 425. The celchrated mines of plumhago or hlack lead are at the head of the valley of Borrowdale, ahout 9 miles from Keswick. Borrowdale chapel, which io near Rosthwaite, was rehuilt and somewhat enlarged about twonty years hack. Borrowdale formerly belonged to the abbey of Furnees. The people of tho district are chiefly employed in mining and agriculture. A sheep fair is held on the first Wednesday in September. Bowness, $12 \frac{1}{4}$ miles W. by N. froin Carlisle: population of the township, 508. The village is built on a cliff on the ehore of the Solway Frith. The site of the Roman station Tunnocelum was in the parish of Bownees; many coins and other Roman remains have heen found here. Bowness is much frequented hy summer visiters for bathing. Although Bownes is 7 miles from the head of the Solway Frith, at the mouths of the rivers Eisk and Sark, and the distance to the coast of Scotland is abont 2 miles, the sands are traversed at low water, when travellers are conducted across by guides between Bowness and Annan in Dumfriesshire ; at high water the ohannel is navigable for shipe of large hurden. The parish church, dedicated to St. Michael, ie a emall huilding of ancient date. There is here a Free school founded in 1785. Ahout a mile E. from Bowness, at a place called the Binnacle, the ship canal from the city of Carlisle opene into the Frith. [Cablisle] Burgh, in the parish of Burgh-by-Sands, a village about 5 miles N.W. hy W. from Carlisle, and about 2 miles from Port Carlisle at the mouth of the Eden : population of the township, 541. The ship canal from Carlisle passes the village of Burgh on the north side. The parish church of St. Michael is an ancient building, constructed evidently for purposes of defence as wcll as of worship. Buttermere, a small village in the parish of Brigham, about 8 miles S.W. from Keswick, situated between Buttermere-water and Crummock-water: population of the chapelry of Buttermere, 78. The villago consists of a fev small cottages and farm-houees. The chapel is a small huilding erected at the expense of the Rev. Vaughan Thomas. The chapel which formerly occupied the eame site was of very diminutive size, probahly the smallest chapel in England. Buttermere-water or lake attracts many visitors on account of the picturesque beauty of the lake itself and the grandcur of the surrounding scencry. Caldbeck; 12 miles S.S.W. from Carlislo: population of the parish, 1667. The parish church, dedicated to St. Kentigern, was repaired in 1818 ; the date of its erection is said to he 1112. Tho Independents and Quakere have places of worship. Caldbeck possesses a woollen manufactory for hlankets, flannels, duffles, and stocking. yarns; a fulling-mill, tile-worke, bleach and dye-worke, and a brewery. Abont three miles south from the village are leadmines, Calder Bridye, 10 miles S.S.W. from Whitehaven: population of the parish of St. Bridget Beckermet, 664. The villago, which is situated on elevated ground on the hanks of the river Calder, is much visited on sccount of the picturesque ruins of Calder Abbey, which stand on the right bank of the river, ahout a mile above the village. The ahbey was founded in the 12 th century for monks of the Cistercian order. Part of the abhey church remains, with a tower supported on pillars, from which spring heautiful pointed archea. Dalaton, on the left bank of tho river Caldow, ahout 4 miles S.S. W. from Carlisle : population of tho township, 1022. A small markot is held here. The parish church, dedicated to Si. Michael, was rebuilt about a century ago : there aro two Free schools. Rose Castle, an ancient huilding, a residence of the Bishop of Carlisle, and supposed to have heen the principal episcopal residence from the carly part of tho 13 th century, has received a thorough reroodelling at the hands of the present
hishop. Water-power is applied from the Caldew to work several cotton-mills, a flax-mill, and a flour-mill. There is a manufactory of agricultural implements. Dearham, about 2 miles E. from Maryport : population of the township, 1209. Coal is extensively raieed in the neighbourhood, and there is an earthenware manufactory. The church has an ancient font with curious carvings. The churchyard contains a cculptured cross of considerable antiquity. Egremont, population of the parish 2049, about 6 miles S.S.E. from Whitelaven, is pleasantly situated on the banks of the Ehen, the stream flowing from Ennerdale Lake. The parish church is an ancient structure, with a low tower. The Wesleyan Methodists have a place of worship. There is a National echool. The ruine of Egremont Castle, a fortress erected in the 12 th century, stand on an eminence at the west end of the town. Egremont eent members to Parliament in the time of Edward I. but the expence of paying their repreeentatives being too great for the town, the privilege was, on petition, taken away. A emall market is held on Saturday, and there are fairs in February, May, and September. Ellenborough, about a mile S.E. from Maryport : population of the joint township of Ellenborough and Ewanrigg, 969. This place was the eite of an important Roman station named Glanaventa. Many Roman remains, including altars and inscribed tablets, have been found here. The Free school is under the euperintendence of trusteee. Garrigill, in the parish of Alston, near the eastern border of the county, adjoining the county of Durham, population of the chapelry 1443 , is situated near the river Tyne, a few milee from its eource, and is distant ahout 27 miles E.S.E. from Carliole. The Independents and Wesleyan and Primitive Methodists have places of worship. Garrigill io conjointly with Alston the eeat of a Poor-Law Union. Gosforth, about 5 miles N. by W. from Ravenglass: population of the parish, 1116. The village is of considerable eize, hut rather irregularly built. The parish church is a omall but neat huilding. The church yard contains a stone column, which was formerly ourmounted hy a croes. Cattle fairs are held here on April 25th and October 18 th. Greystoke, about 18 miles N. from Carlisle: population of the township, 345. A few broken towers are all that remain of the ancient castle; the present castle was built about the middle of the 16th century, and was improved hy the late Duke of Norfolk; around the castle is an extensive park, etocked with deer. The parish church is a spacious edifice of the decorated style. In the parish are collieries and alate quarries. Hesket, 9 miles S. by W. from Carlisle; High and Low Heeket form one township, the population of which was 806. The parish church, which was repaired in 1760 , is a commodious edifice. There is au Endowed ochool, which had 80 ocholare iu 1852 Quarries of gypsum are worked to a considerable extent. In this parish the Court of Inglewood Forest for the disposal of manorial business is annually held on St. Barnabas Day under a thorn-tree by the road eide. Millom, near the mouth of the Duddon, 6 miles S. by E. from Bootle, population of the townshipe of Upper and Lower Millom, 080, was formerly a market-town; it is now a place of no consequence. There is here a small fishery, and there are mines in the neighbourhood. The church is ancient, and contains some curious monuments. The remaine of a castle are ueed as a farm-houee. Nenthead, $4 \frac{1}{2}$ milee E. by S. from Alston, population of the chapelry, 1964, ie a comewhat husy place ; it has a small customary market on Thursday. The church, a handsome building, of which all the eqats except eix are free, was erected hy ouhscription in 1845. There is a Wesleyan Methodist chapel. The market-house is a convenieut structure with a clock tower. The London Lead Mining Company have extenoive emelting-works here: they maintaiu a ourgeon for their workmen and miners, and have founded a school for the education of the minere' children, Seaton, about a mile and a half N. from Workington, population of the township 835 , is a thriving place owing to extensive iron-works and collieriee in the neighbourhood. Some remaine of an old fortreee are standing, which are known as Burrow Walls. Sebergham, 10 miles S. from Carlisle, population of the parish 855 , io a pictureeque little village on the right bank of the Caldew, which ie here crossed by a bridge. The church is emall but rather handeome. In the parish arc extensive coal-minee and limeetonequarries. Wetheral, 4 milee E. by S. from Carlisle, population of the townehip 635. There are here the remains of a Benedictine monastery. The church is a rather superior building of the perpendicular style. In the parioh aro mills for cotton epinning and the manufacture of checks and ginghams. The Nowcastle and Carliele railway has a etation at Wetheral.

Divisions for Ecclesiastical and Legal Purposes.- The whole of the county is in the diocese of Carlisle, with the exception of the ward of Allerdale-above-Derwent in the diocese of Chester, and the parish of Aleton in that of Durham. There are 3 deaneries, Carlisle, Penrith, and Wigton; 1 archdeaconry; 104 pariohes; 41 rectories; 28 vicaragee; and 59 perpetual curacies and chapelriee. According to the 'Cenoue of Religious Worship' taken in 1851, it appears that there were then in the county 389 places of worehip, of which 161 belouged to the Church of England, 96 to the Wesleyan Methodiets, 24 to Independents, 23 to Primitive Methodists, 20 to Quakers, 17 to the Weolegan Association, 17 to Scotch Presbyterians, 9 to Baptists, 8 to Roman Catholics, and 14 to smaller bodies. The number of eittings provided in all was 101,608. By the Poor-Law Commissioners Cumberland is divided into 9 Unions: Alston with Garrigill Bootle,

Brampton，Carlisle，Cockermonth，1．ongtown，Peuritb，Whitebaven， and Wigton．These Unions iuclude 200 jarishes and townahips，with an area of 883,864 acres，and a population iu 1851 of 104,935 ．

Cumberland is comprehended in the province of lork，and in the northern eircuit．Tho ascizes aro held nt Carlisle twice a yerr．The Midsummer and Chrintmas quarter－sesslons are held at C＇arlisle，and the Faster and Michaclmas semions at Cuckermouth．County courts aro held at Alaton，Carlisle，Cockermonth，Keawiek，Pobrith，White－ haven，and Wigton．The county returns four inembers to the limperial l＇arlinmeut；two for the eastern and two for the western division． Carlinle nends two members，the borough of Cockermouth two，and Whitehareuore．

IIistory und Antiquifies．－The earliest inhabitants of Cumberland of whom we bave any accouut were the Brigantes，a bold and warlike people，conquered hy the llomans about A．D．121，wheu the famous Roman or l＇icts＇Wall was erected hy lladrian，to prevent the ravagea of the Caledouianm，who bore an inveternte batred to the lomans． ［Britassia．］This bartier was formed of earth，and connected a clain of forts erected ly Agricola in 78 ：being fonnal insufficient， Severus，in 210 ，built one of stone，from near the mouth of the Tyne to the Solway Frith．The last was strengtbened by an outward ditch，and guarded hy towers aud a chain of forts and stations． Remaius of both walla，but particularly of that of Severus，may atill be traced in several place At a rery early period the inbabitants， who were the true and genuine Britons，were called Cumbri ：and hence probably the name of the district，Cunaberlaud．In almost every part of the county are remains of British and Roman anti－ quitics．About three miles from Kirkoswald is a Druidical temple， consiating of a circle of 67 ，or according to some accounts 72 ，unbewu stones，callod Long Meg and her Daughters．Another and more eutire circle of 18 rude stones is situated a mile and a balf south－ east of Keswick．This connty has becn a perfect magazine of Romau antiquities．Tho remains of Roman gnrrisons or stations are still diatinctly observable at Maryport，Old Carlisle，Old Penrith，and Bewcastlc．Several altars，inscriptions，coins，instrumenta，utensils， \＆c．have been discorered at theso plnces．After the retreat of the Komans，the couutry was laid waste and the city of Carlisle reduced to a complete stato of ruin by the Scots and Picts．The country had also to endure the ravages of the Daves．During the Saxon Ileptarehy it was joined to the kingdom of Northumberland，but wes governed by its own chieftain under what wns called the Danish law，until the Norman Conquest．In 945 Cumberland was granted to Malcolm king of Scotland，and was for a long time the sccue of war and bloodshed between the two crowns，being sounctimes under the dominion of the kings of England and sometimes under that of the kings of Scotland．At the time of the Conquent the county was in such a state of poverty and desolation that it was not rated in the Domesday Book，William the Conquerer having remitted all it taxea．Walter，one of his enuntrymen，lajd the foundation of a priory at Carlisle，which was afterwards converted into an episcopal see．In 1237 Cumberland was fually annexed to the crown of Fingland hy Ilenry III．at a conferonce held at Jork；but the feuds between the two kingdoms continued for more than three ceuturies nfterwards，and this county，situated on the borders，and coutaiuiug the＇debnteable Imul，＇was often the accise of coutention，rapine，and bloodshod．Iu 1807 Edward 1．died，on an expedition towards Scotland，at Burgh Mareh，uear Carlisle，where a monument has been erected to his memory．The inlinhitants of the county at various times suffered many crueltics and deprivations，had scveral towns burnt and monnsteries destroyed，and were not relieved from hostile attacks and lnroads until the union of the two crowns by the euccesalon of James I．Fren ufter this time，outrages and robberics were frequently cominitted．During the eivil war betweon king Charlen and his l＇arlinment，and also during the time of Cromwell， Carlinle was besieged，and the iubabitanta were much haraseed and dlatrenued．Thin county was the neene of hostilities in the rebellion of 1715 ；and sgain in 1745，whon Carllale was takeu possession of by Charles＇Stuart and hin followerm，and was retaken by the king＇s forcen under tle Duke of Cumberland．

Thore were formerly ecveral monasterios nud ancicut hospitals in Cumberland．The Auguatine monki lad a priory nt lancreost and another at Carlinlc．The Benedictine had priorien at Wetheral， Si．Bees，aud Seaton．The Cistorcians hal an ahbey at Holme Cultram and another at Calder．There was $n$ convent of Gmy frians at Peurith；one of Black friars and another of Gray friars at Carlinle．There were religious houres of ancicut fonurlation at Corlinle，St Beea，and Dacro．A nunnery is maid to liave been fonnded at Carliale hy David，king of Scotlind，at which place there wha an hompiel for thirteeu lepers，dedicated to St．Nicholas．At Wigton，an hompital and free chapel were dedicatel to St．Leonard． Many of the old churchee exhibit remalns of the Norman and early gothie archltecture Sprecimenm of the Norman style may be seen in the churches of Aspatria，Torpenhow，and Klrklinton；and of the pointed gothic in the ableyn of lanercost and Ilolmo Cultram．The weat end of the last－ruentioned abbey is a good apecimen of the later perpendicular style．The churchee of Burghebyasind，Newton Arlosh，and Great Salkeld havo wtrougly－fortifiel towern，which probably eerred an placen of refuge for the inhabitants of theso
villagen in the time of an invasion．Cockermouth chureh，one of the finest churches in the county，was destroyed by fire，on the night of Friday，N゙av．15th，1850，but has aince been replaced by a nest and commodious building，crected by ubscription．In 1851 tho county possessed seven maving banke，at Alston，Carlisle，Cocker－ mouth，Keswick，Maryport，Whitehareu，nnd Workington．The total amount owing to depositors on the 20th of November，1551， was 280．7751． 168.

CUMBRAE，or CUMBRAY，Big or Greaf，Butoshire，Scotland，an island and parish in the Frith of Clyde，about 81 miles $\ln$ length from N．E．to S．W．， 2 miles in hreadth，from 10 to 11 miles in circumi－ furence，and containiug about 5120 acren．It lics letween $55^{\circ} \mathbf{~ 5 ~}^{\prime}$ and $55^{\circ} 49^{\prime} \mathrm{N}$ ．Int．， $4^{\circ} 52^{\prime}$ and $4^{\circ} 50^{\prime} \mathrm{W}$ ．long．， 4 miles $\mathrm{l}^{\circ}$ ．from the Ialand of Bute and 2 miles W．from the coast of Ayrshirc．The population in 1351 was 1266.
The uame Cumbrae，derived from the Gaelic，siguifies a ateep coast rising from the ser，an appearance which the islanel may at out timo have presented，though the level of the ocenn having sunk，the sen bas now lcft a flat space along the whole shore to the base of a mange of hilla which run from south to north，and extend nearly the whole length of the island，reaching about the middle an elevation of 500 feet．The shore in in some places sandy，in others grarclly and clayey，but in general it is rocky．The temperature of the islaud is mild；the prevalent winds aro from the south and weat，and are frequently accompanied by rain；the north and east winds aro cold， but the cold is rarely sovere or of long continuance．The brown whiustove forms the base of the bills，and is used for makiug the roads．Freestone is quarried in abundance．The heds of this stone are generally intersected by the whin．Limestone is found in consi－ dernhle quantitics．The soil along the shore is light and sandy．In the valleys it is a rich black loam，bedded on clay，and producing good crops，while ou the high grounds and hills it is light and thin， and covered with heath．There is not much wood on the island． Tbree fifths of the soil is under cultivatiou．The island abounds with cxcellent apring water．

The islaud of Cumbras belongs to the Earl of Glasgow and the Marquis of Bute，Lord Glasgow holdiug about two－thirds of the soil． The land is divided into largo farms，the houses and buildings of which are genemlly good．Grain of all kinds is raised，thongh the pasturage of black cattle and sheop is the priucipal agricultural employment．

The village of Millport is situated in the south－east corncr of the island，in $55^{\circ} 46^{\prime} \mathrm{N}$ ．lat．， $4^{\circ} 54^{\prime} \mathrm{W}$ ．loug．It is much resorted to in summer for sea－bathing．Thoro is as excellent harhour，capable of affording completo protection from every storm to a large number of vessels．A fine pier was erected severnl years ago by Lord llute． The inhabitants of the village are occupied in weasiug．Thero is daily ateam communication between Millport aud Glisgow，Ayr， and the various towne on the Frith of Clyde，and a ferry at all times from the island to the Ayrahiro coast．Several amall veassels，chielly sloops，from 15 tons to 50 tons burden，beloug to the harbour． Besides the parisb church the village coutains a liree chureh，a parochial library，a friendly society，man n saviugs bank．Thero is another amall village on the island called Nowton．
（New Statistical A ccount of Scolland．）
CUMNEIR［BERKSMRT．］
CUMNOCK．［AYRSMュュ．］
CUNEO．［CONL．］
CUNNINGHAM，［AYRSHARF．］
CUPAll A NGUS，or COUPAR ANGUS，Perthshire and Forfarmhirc， Scotland，a town，and formerly a burgh of royalty，in the parish of Cupar Angua，is situaterl iu $56^{\circ} 33^{\prime} \mathrm{N}$ ．lat，$s^{\circ} 15^{\prime} \mathrm{W}$ ．long．，on a small rivulet falling into the river lsla，near the poiut at which the lsla falls iuto the Tay，about 16 mile N． 1 s．from Perth，and 61 miles N．hy W． from lidinburgh hy tho Edinburgh aud Northeru and tho Scottish Mid－ Ind railways．Tho part of the town south of this rivulet is in Forfarshire， the remainder and larger part in Perthahire．The population of the town la 1851 was 2004．The town is ueatly built，with cleau and well－ lighted atrects．In addition to tho parish church thero are chapels for lipincopalians，the Free Cliurch，United Prosbytoriana，Original Seceders，and ladependente A tower which occupics the aito of the old prison serves the double purpose of a town－house nnd a jail．The town contains a rearing－room，n saving bauk，and several charitable socicties Linen－weaving，tanning，mad bleaching aro carried on． There are moveral fairs in the courso of the year．Xicar the town aro the ventiges of a lloman camp，upon tho site of which a monastery was erected and richly endowal by Malcolm IV．in 1164．Of the monastlo huilclings ecarenly any remains are now left．

CUPAR MIFE，Fifenhire（no uamed iu contradistinction from the small town of Cupar Angus and Cupar Grange in Perthshirc），tho county town，nnd a roynl and parlianentary burgh，is situated iu $56^{\circ} 14^{\prime} \mathrm{N} . \operatorname{lnt}, 3^{\circ} 0^{\prime} \mathrm{W}$ ．long．；nearly in tho middle of the peninsuln of life，at the confuence of the small streams Edeu and Lady or St．Mary＇s Bnrra；hariug on the south a range of high hills，aud on the north a fertile country，diversified with hllls aud numcrous woods． The town is 82 h miles $N$ ．from Edinhurgh，by the lidinhurglı and Northern rnilway，and the ferry on the Furth，and 141 miles E．from Dundec．The population of the burgh in 1851 was 4005 ，that of the
parliamentary burgh was 5686. Coujointly with St. Andrews, Crail, Anstruther Easter and Wester, Kilrenny, and Pittenweem, Cupar Fife returns one member to the Imperial Parliament. Cupar was made a royal burgh by David II., in 1363 : it is now governed by 3 bailies and 15 conncillors, of whom one is prorost.

The site of the town is about 25 feet ahove the level of the sea, from which the distanee is about 6 miles; the climate is comparatively mild. The burgh eonsists principally of one long street, extending from west to east, with a cross street leading north and south. The publie buildings, of which the most noticeable are the town hall and the county hall, are neat and convenient. Besides the parish ehurch and St. Michael's chureh, there are a Free ehurch, two chapels for United Presbyterians, and ono for Scottish Episcopalians. The town has a reapectahle appearance, and the vicinity is ornamented with some neat villas. A good supply of water is ohtained from springs and wells. The streets are lighted with gas and well-paved. There are two reading-rooms and a subscription lihrary. A large Grammar school on the Castle Hill was formed hy the union of the ancient hurgh schools with one of Dr. Bell's fonndation. There are weekly corn markets; and several annual fairs for grain and agricultural stock, produce, and utensils, which are well attcnded. The chief manufactures are of coarse linens; leather, candles, and snuff are made. On the river Eden are hreweries and flax-mills. Bricks and coarse carthenware are made from clay beds in the vicinity of the town; and there are several quarries of white sandstone.

On the mound called the Castle Hill, there formerly stood the fortress of the chiefs of the family of Macduff, the feudal earls or thanes of Fife. At the foot of the Castle Hill was a convent of Dominican monks, or Black friars A green esplanade before the castle. still called the Play Field, was in ancient times used for the performance of the religious shows called 'mysteries' and 'moralities:' and here was acted the famous drama of 'Sir David Lindsay of the Mount,' called the 'Three Estates,' a popular satire on the priesthood, which is believed to have promoted the subsequent religious revolution. Cupar was represented in the Scottish Parliament by Sir David Lindsay, whose estate is not far from the town.
(New Statistical Account of Scolland.)
CURAÇOA, or CURACAO, an island in the Caribbean Sea, lying to the east of the peninsula of Paraguana, the most uorthern point of Venezuela, in $12^{\circ} 6^{\prime} \mathrm{N}$. lat, and $69^{\circ} 3^{\prime} \mathrm{W}$. long. Its length from north-west to south-east is $\mathbf{3 5}$ miles, and its hreadth 6 miles. The surface is hilly. The hills on the west side are seen from a considemble distance at sea. The island is wholly dependent upon rain for water, and the soil so wanting in fertility that the inhabitants are partly supplied with provisions imported from other places. Sugar, indigo, tobaceo, and maize are the cbief products. The shores are so bold that vessels of considerable size may sail round the island within a cahle's length. There are several harbours; the principal one, Santa Anne, is on the south-west side of the island. The entrance is very narrow; on the eastern side of it is Fort Amsterdam, and on tho oppositc side of the harbour is the town of Curaçoa or Willcmstad, said to bo one of the handsomest in the West Indies.

Curaçox was settled hy the Spaniards early in the 16 th century; it was taken in 1632 hy the Dutch, and was captured by the English in 1798, hut restored to Holland at the peace of Amiens. It was again taken hy the English in 1806, and finally given up to Holland at the general peace in 1814.

CURDISTAN. [Kurdistan.]
CURIA MURIA ISLANDS are situated on the southern coast of Arabia, and afford protection to a bay called Curia Muria Bay, which is extensive, and has good soundings throughout. They lie in the direction of the eastern continuation of Ras Noss, a very elevated beadland, and between $55^{\circ} 20^{\prime}$ and $66^{\circ} 10^{\prime}$ E. long., and near $15^{\circ} 30^{\circ} \mathrm{N}$. lat. Tbey are fivo in numher, called from west to cast Ilasily, Soda, Hallanny, Karzawet, and Jebeliya. A long reef is said to extend from Hallanny to Soda, so as to render it very rlangerous, if not impossiblc, for any vessel to pass hetween them; hut between Soda, Hasik, and the mainland, the channels are good. IIallanny is the only ono of the islands that is inhahited: the anchorage and village are at the northern extremity, where water may be obtained, hut it is brackish. Its mountains are high, and apparently of volcanic origin. (Captain Owen, Voyages; London Geographical Journal, xi. xv.)

CURISCHES HAFF, a lagoon, or shore-lake, of tho Baltic, on the const of Enst Prusaia, supposed to havo originated from the throwing up of the sand and the retiring of the waters of the Baltic. From Labiau, in the soutb, to its opening into the Baltie at Memel, it is abont 60 miles in length; at its greatest hreadth, hetween Cranzkukren and Juwendt, vearly 28 miles: it contains altogether 588 nquare miles. Its confluence with tbe Baltic is formed by what is called the 'Memel Deeps,' which are from 800 to 1200 feet in width, and 12 fect deep. It cannot properly ho called a part of tho sen, inasmuch as its waters are fresh, like those of the other Haffis in this quarter. It is separated from tbe Baltio by a very narrow neck of land, called tbe 'Curische Nehrung,' formed by a series of low nand hanks, almost deatitute of vegetation, ahout one to two miles in hreadth-except where they taper to a point as they approach Memel -and about 70 miles in leugth. On this nock of land there are a
OROO. DIV. VOIG II.
few villages. The bed of the Haff is unequal and variahle, and the navigation is therefore very preearious; hence the only description of vessels used here is a peculiar kind of large flat boats, and even these are unable to land along many parts of the coast. In stormy weather the navigation is very dangerous. The Dange, the Minge, and the Memel, or Niemen, discharge their waters into this Haff.

CURNOU'L, a prineipality formerly governed by an iudependent chief, and now forming one of the subdivisions of the Balaghaut ceded districts. It came into possession of the English in 1841, previous to which the country had heen suhdivided into a great number of petty jaghires, and the government of the principality was so hadly administered, that a great part of the lands were allowed to revert to a state of nature, and were overgrown with rank weeds and jungle. It has sinee heen much improved.

CURNOU'L, the capital of the province of the same uame, is a populous towu on the south side of the Toombuddra, in $15^{\circ} 44^{\prime}$ N. latr, $78^{\circ} 2^{\prime}$ E. long., about 279 miles N.W. by N. from Madras, and 127 miles S.S.W. from Hyderahad. It is surrounded on all sides by the rivers Toomhuddra and Henday, which at the town are from 700 to 800 yards wide. Some strong works have heen erected on the western side of the town; but in 1815 the plaee held out against the assaults of the English only one day, after which it was surrendered at diseretion. The huildings in the town are partly of stone and partly of mud. (Rennell, Memoir of a Map of Hindustan; Parliamentary Papers.)
CU'RZOLA, in Slavonic Karkar, the aneient Corcyra Nigra, or Black Corcyra, so called from the dark colour of its pine woods, is an island in the Adriatic, comprised in the circle of Ragusa in the Austrian crownland of Dalmatia. The channel of Curzola separates it from the peninsula of Sabioncello. Curzola contains one town, a market-town, and about 6500 inhabitants. The total area is 57,150 acres, of which 43,471 aeres are covered with woods, which furnish good ship-timher; the vineyards aunually yield ahout 80,000 hogsheads of wine, and the fisheries on the coast aro productive ; hut little grain is raised, and the fresh-water is scarcely fit for use. Curzola, the chief town, is situated on a neck of land upon the channel or caual of Curzola, in $42^{\circ} 57^{\prime} \mathrm{N}$. lat., $16^{\circ} 50^{\prime} \mathrm{E}$. long.; it is surrounded hy walls, and has a cathedral, two monasteries, and about 800 houses. It gives title to a bishop: its inhabitants build vessels, and traffic in the produco of the island.

CUSHENDALL. [ANTRM.]
CUSSFTT. [Allier.]
CUSTRIN, properly KUSTRIN. [Brandenbura.]
CUTCH, a principality lying hetween $22^{\circ}$ and $25^{\circ} \mathrm{N}$. lat., and between $68^{\circ}$ and $72^{\circ} \mathrm{E}$. long., is bounded N. by the Great Sandy Desert, E. and S. by the Gulf of Cuteh, and W. by the Koree or eastern outlet of the Indus. Tbe country is naturally divided into two portions, of which that towards the south is an irregular hilly tract ; the northern part, called the Runn, is an extensive salt morass, 160 miles long from east to west, and varying in hreadth from 4 to 60 miles. During the rainy season the Runn is completely covered with water, and the country to the south is quite insulated. During the dry monsoon the waters retire, and the Runn assumes a diversified appearance. In some parts it is still an impassable salt swamp; in other parts there are great banks of dry unproductive sand covered occasionally with saline inerustations, while other parts afford tolerable pasture. During the rainy season the Rumit can be traversed with difficulty, and only in certain parts by horsemen.

The soil of the habitable part of the country is for the most part clay covered with about five inches of deep sand. Towards the east the soil is loamy, and near the hills the surface is covered with volcanie matter, and abounds with specimeus of metallic seoria. A range of hills named the Lakhi, running east and west through the centre of this part of Cuteh, divides it into two nearly equal portions, These hills are one continuous mass of rock, destitute of soil and of water except during the rainy season, when the water forms channels for itself, through which it rushes to the plain on each sidc. A high hank of sand extends along the shore tbe wholo distance from the Indus to the Gulf of Cutch. But little wood is found in the principality. A few common trees have heen planted about the villages, and among them are date-trees, which yield fruit of good quality. The cultivation of cotton is carried on extensively, and tbe produce is exported in return for grain, which is procured from Gujerat aud Sinde. Iron-are occurs throughout the country, and coal of an inferior quality is found in ahuudance.
Tbe horses of Cutch are much esteemed ; the oxen are not reckoued of much value. Goats and sheep are numerous. The wool of the sheep is of long staple hut coarse, answeriug well for the manufacture of hlankets and carpeting: the weight of the fleece averages from four and a half to five pounds. Coarse woollen cloths are made hy the inhahitants for home use. Towards tho north, and near the Runn, wild asses are very numerous, and are met with in berds of sixty or seventy together. This animal is larger and stronger than the tame ass. It is fierce and untameable in its nature, and when unable to procure pasturage in the desert lands advances into the inclosed country, and does much damage to the grain crops: tho flesh is said to be good eating.
The principal towns of Cutch are Anjar, Blooj the morlern oapital,
2 U

Luckput Bunder, Mandavee, Rohur, and Tahrah. Mhooj was founded about 200 jears ago by Rao Bharra; it stands on tho south-west sido of a hill in $29^{\circ}$ is $\mathbf{S}^{\prime}$. lat., $69^{\circ} 50^{\prime} \mathrm{E}$. long. The fortificatious are extensive, but not well phanned. The town conthins several mosques and pagorlas of white masonry interporsed with plantationn of datetroes, and from a distauce presenta a handsomo appearance, but on a nearer approach there are found to be a large proportion of mean dwellings. The palace of the roo is a large and well-bnilt structure, covered with Lind of whito enamel, rhich adds to its beauty. Luedpus Buwder, formerly called Bustabunder, but which obtained ile preseut name in 1793, when the fort of Luckput was builh, stands near the east aide of the Korea, in $25^{\circ} 4^{\prime \prime} 7^{\prime} \mathrm{N}$. iat., $65^{\circ} 50^{\prime}$ E. long., 75 miles Nill. from I3hooj. The town is built on the brow of a hill which rises from a swampy plain; it contains abont 2000 inhabitnnta, and is principally important as being on tho high road from Bhooj and Slandavee into Sinde. Provious to the great earthquale of 1819 tho communication from this town to the head of the restunry of the Koree was by zeans of a small shallow creek narlgable only by smali boate, but the effect of the convnlsion was to deepen the water to eighteen feet and effectually to opeu the navigation; lt is howerer not a plece of much trade. Mandaree, the princlpal sea-port of Cnteh, situated on the shore of the Indian Ocean on the uorth side of the entrance to the Gulf of Cutch, in $22^{\circ} 51^{\prime} \mathrm{N}$. lat., $69^{\circ} 34^{\prime} \mathrm{E}$. long., is the most populous place in the principality, and contains 50,000 inhabitanto, who are principally Bhattias, Bayyaus, and Brahmius. The port is an open roaistead with a ereek. There are 250 vessels belonging to the place, which carry on a rery considerable trade with Zanguebar and thes wholo east coast of Africa, with the IRed Sea and Arabia, with the Persian Gulf, Mekran and Sinde, and with India as far as Ceylon. The vessels employed in this traffic vary from 25 to 200 tous bnrden; they carry a largo lateen sail, and liave two maste, but are never decked; they are narigated by natire pilots, who hare acquired the use of the quadrant and steer hy charts. The most valuable branch of the trade of Mandavee is that carried on with the easteru coast of Africh, a distauco of 3000 miles, whence the merchauts of Cutch procure ivory, rhinocerot hides, aud other valuable artieles. The principal article of export is cotton. Rohur, nlso a nea-port, is situated in the Oulf of Cutch opposite to Wumanis on the Gujemt peninsula, and is in $23^{\circ} 2^{\prime} \mathrm{N}$. lak, $70^{\circ} 21^{\prime} \mathrm{F}$. long., about 12 utiles from Aujar: the dopth of water in thla part of tho gulf does not admit of auy but small ressels. The chief trade of Rohur is carried on with Gujerah Tahrah, a populous placo inhabited priucipally by Hindoon, is a fortifed toru about 30 miles S. E from Luekput Bunder. on the road between that place rnd Mandavec.

The population of Cutch may amount to about 500,000 , about one half of whon are Mohmmedans, and ef the remaining half the greater part aro Hindoos. The Jlarcjah tribe of lajpoota, who were cotimated in 1818 to mmount to 12,000 , nre believers in tho koran, and at the name time adhero to mayy Hindoo observanees. This tribe, the chlef of which is the rao or soverelgn prince of Cutch, is remarkable for the almost univeral practice of female fufnntieide, a practlee which the Figlivh government has raiuly endearoured to suppress. The morals of the tribe are in other respeets sald to be very degraded; they are ignorant, indolent, and almost universally addicted to indulgence in the use of intoxicating liquors: their wives are neceamarily procured from among other tribes. Cutch ls held by the Rao of Cutch under Britisli protection, the anntral subsidy payable to the East India government baing 20,000l.
(liamilton, E'ust India Gazelteer; Parliamentary Papers.)
CUTTA'CK, a distriet in the province of Orina, bounded E. by the Bay of Bengal, N.F. by the provinee of Bengal, W, by various Mahratta etaten, and S.W. by the Northern Circars. Its length from northeant to couth.west is 180 miles, and its average breadth 110 miles. The area of the distriet is about 10,029 square miles. The population is estimated at 761,805 . On the coast, and for 20 milem faland, the country la low, and covered with wood, and being subjeet to inumdation at apring-tidem is very marshy. Beyond that distance the country rinem conmderably, and the moil ia dry and fertile. Still farther inland lt awells lnto hilin, and is well wooded; some of the tree are raluable for cabinet work, and others are usal In dyeing. The forenth are infented with willd beastin. The region thus lying beyond the snamby delta in enlled the Mogulbundy. Beyond this is a third region, which in illly, and exteads westward as far as Gundwana. Thin region is parcelled among 10 heredltary 7amindars, who are under the protection of the liuglth, and pay a submily at the rate of about ore-tenth of the net produce of thelr entated. The conntry is nubdivided under theso 7amindarn lnto a great number of estates, which aro aleo held by herevitary succeston. Iron and a great rariety of zoinemls are found in thln hilly country.

Cutteck fin wateren by wumeroun atrearns, which during the ralny cemon become largerivens. The principal of thee mre the Mahanuddy and lta numeroun branchew the Hhaminec, the Byturneo, and the Bubunrecka. The Bhamince rise in the mountains of Gundwana, and dowing first to the mouth and then to the cash, travertes the dimtrict of Cuttack; unillng with the Beroopali, a brauch of the Maha. unddy, it joine the near Polnt P'minyme. The Hytwrnce rines among the mountains of Chuta Niagporo in Bahnr, and flown mouth through Gangpore in Gundwins; on entering Cuttack it turns to tho
southearth and afterrands to the cast, aad falls into tho Bay of Bengal in $20^{\circ} 45^{\circ} \mathrm{N}$. Int. The Submerelia also rises in Chuta Nagpore, and flows ln in southeasterly direction, with a very winding course, for 260 miles, and joins the Bay of Bengal, forming the southern boundary of the prorisec of Bengal. These sirers abound with fish.

In Cuttack the rainy season does not begin so early as in I Beugal, but it continues from September to November with so mueh viulence as to cause the different rivers to overflow thelr bauks. In Novernber the weather becomes fiac. From April to Juue the heat is very oppressive, and would be bandly supportable but for occasional thunder-storms, accompanied by rain. At other times tho elimate is moro temperate, but the thermozneter seldom sink below $60^{\circ}$.

The manufacture of salt is carried on along nearly the whole of the coast; the produce is very white and pure, and is cousldered to bo the finest manufactured in Iadin: the manufacturo yields a largo revenue. Thero is littlo other trade. The Mogulhundy produces rice and other grains, pulse, spices, djeing stuffs, and sugar. Maizo and whent are the chief products in the hilly country farther inlaud. During the periodical rains, when the rivers are full, a good deal of tenk and other timber is floated down to tho coast. The forosts in which this timber is cut are very unhealtly, aud for that reason can be risited only at certain seasons of the year.

The principal towns of the distriet are Cuttack, Balasore, aud Jug gernauth, or Juggernatha [CuTTACK; Balasone; Juouervauthi] The other towns, or mather large villages, deserving of meutlou, are Buddruck, Soroli, and Piply. Buddruch is 33 miles S.SS.W. from Balasore, in $21^{\circ} 7^{\prime} \mathrm{N}$. lat., $80^{\circ} 26^{\prime} \mathrm{H}$. long. It is this village and its neighbourhood that furnish most of the people who ary known in Calcutta as Bulasore bearers. Soroli is shout 23 miles S.W. from Ihala sore; it contains two fine tanks and the ruins of n mud forto Piply is 27 miles S . from the town of Cuttack, in $20^{\circ} 5^{\prime} \mathrm{N}$. 1 at., $85^{\circ}$ 55 E. long. The district contaius a great number of mmall rillages A great part of the circulatiug medlium of the distriet is composed of cowrics, supplies of which aro obtaiued every year from the Maldivo Islands in return for grain. A considerable anount of bultion is carried iuto Cuttack by pilgrims, but the greater part of it generally finds its way to Calcuttin.

The distriet of Cuttack, iueluding Balasore and other depeudencies, Wras eeded to the East India Company, in full sovereignty, by the Raja of Berar in December 1803; the fort and town of Cuttack were taken by the English army in the unonth of October preceding. The salt monopoly was partially iutroduced soou after the acquisition of tho territory, but was first legally recoguised by the governmeut iu 1SI4. The measures at first pursued operated rather to restrict tho supply than to subject the article to taration, nnd much distress was thereby occasioned to the people. The too rapid introduction of a new revenue system lod to numerous sales of fand for arrears of rent, so that in the course of eleven years more thau one-half of the settled lands in the Mogulbundy paswed from the orjgiual possessom a very serjous rerolt, which was in consequenco attempted in 1817, was not fully quelled until two yearm after, causing a considemble saerifice of lives After this insurrection arrangemeuts were made for supplying the district with ralt by an extended system of local males, at fixed pricess below those of the auction-sales at Caleutta, and by this monns a mucb larger quantity was sold for consumption within the district, the revenue was improved, and the people were relieved from n severe oppressiou.
(Rennell, Memoir: Parliamentary Papers.)
CUTTA'CK, the capital of the dintriet above deaeribed, in situated in $20^{\circ} 27^{\prime}$ N. lat., $86^{\circ} 5^{\prime}$ E. long., about 251 miles S.W. by S. from Calcutta and 902 milen S.E. from Delhi, travelling distances. The town is huilt on a tongue of land between two branches of the Mabanuddy River. During the rainy season it is completely insulated, and the town Itself would bo aubjoct to periodical inundations but for large and solid cmbankments faced with hewn stone, which effectunlly keep out the water. The river duriug the rains is a uile and a half broad and from 30 to 40 feet deep at thin part, but during the dry scason it is a unrrow atream with a depth of oniy 3 feet.

The Samerit word 'catak,' from which the uame of the town is derived, siguifles a royal dwolling. While the provinee of Orimsa promerved Its independence, Cuttack was the residence of the Gajnpati, or superior mja, at whonecourt the military chiefs of Orless performed feudal servica. The towis contains a very well-built street, with housea of stone two and three stories hlgh, a large market-place, and several mosques; in one of these is exhibited a atone brought from Meccs, and bearing an impremalon of the foot of Mohammed. Cuttack is enld to be one of the bealthicst aud plearantest towns in India. The fortreas of Barabattec, wlich wan built in the 1 th century, stands nbout a mile north-west from the town.
(Rennell, Memoir; P'arliamentary Papers.)
CUXIIAVEN, a harbour on the left bank of the Elbe, at its entrance Into the German Oceas. It is situated in $53^{\circ} 53^{\prime} \mathrm{N}$. lat., $8^{\circ} 44^{\prime}$ 1. Iong., 59 milew from llamburg, to which eity it belouga. It affords a securo shelter agalnest thin dnogeroun mea in tho wiuter months, or to ships waiting for fair winds. The towu or village of Cuslarea containgabout 1000 inhabltants, chiefy pilots and fishermen; it his a llghthouse and bathing catablishments. Veusels lle in the
harbour waiting for faroumble winds. In winter, when the Elbe is frozen over, the Hamburg steamers ply from Cuxhaven.

CUZCO, a town in South America, in tho republic of Pert, in $13^{\circ} 31^{\prime} \mathrm{S}$. lat., $72^{\circ} 4^{\prime} \mathrm{W}$. loug., and at a distance of about 300 miles due E. from Pisco Bay, in the Pacific, has above 40,000 inhabitants. Before the arrival of the Spaniards it was the capital of the extensive empire of the Incas, and is said to have been built by the founder of the empire, Manco Capac, in the 10 th or 11 th century. In the year 1534, wheu it was taken by Pizarro, the Spaniards were astonished at the magnificent buildings which it contained, especially the Temple of the Sun. Of this temple there remain at present only some walls of singular construction, upon which stands the magnificent Dominican conrent. The town is built at a height of above 11,000 feet above the sea, and at the foot of some hills in the middle of a wide valley, wlich has an undulating surface. This valley extends eastward to a mountain stream, the Quillabamba; in the lower part it is well cultivated, the fields having the advantage of irrigation. The houses of Cuzco are built of stone, coverod witl red tiles. Many of them still retain their original walls. The great size of the stones used in their construction, the variety of their shapes, aud the excellent workmanship which they display, give to the city an interesting sir of antiquity. The cathedral, the convents of St. Augustin and of La Merced, are very large buildinge, inferior in architecture to few in tho Old World. Upon a lofty hill, a little north of the city, are the ruins of a great fortress, many parts of tho wall of which are in perfect preservation. They consist of stones of extraordinary size and of polygons. shape, placed one upou another without cernent, but fitted with such nicety as not to admit the insertion of a knife between them. This stupendous work was erected by the Incas for the protection of their capital. A great part of the population is composed of Indians, who are distinguished by their industry; they manufacture cotton and woollen goods and leather. Their embroideries and carved furmiture are much valued. The town has a university, two colleges, a mint, and several hospitals. The great high road of the Incas extcnded from this town northward as far as Quito, and south. warl probably to tho southern extremity of the valley of the Dcsaguadero to the neighbonrhood of Oruro, or from the equator to $20^{\circ}$ S. lat. (Ulloa; Memoirs of General Miller.)

CYCLADES. [ARCMIPELAGO.]
CYDNUS, RIVER. [ANatolia.]
CYPRUS, called by the Turks Kibris, an island in the Mediterranean, lying ncar the coasts of Syria and Asia Minor. The principal part of the island, in shape an irregular parallclogram, is about 110 miles long from east to west, betwen Cape dclla Grega (the ancient Pedalium) and St. Pifano, or Hagios Epiphanios (the ancient Cape Akamas). The breadth of this part of the island vsries from 30 to 50 miles, its most southern point being Cape delle Gatto (the ancient Curias), and its most northern point Cape Kormachiti (the ancient Crommyon), which is 45 miles distant from Cape Anemur in Cilicia. The rest of the island forms a horn-like projection, extending for about 20 miles in length with a breadth of from 2 to 5 miles, terminating in Cape Andrea (the ancient Dinaretum), off which lie two small islets called Kleides, or 'the keys of Cyprus.' This part of the island, which is rugged, mountainous, and rocky, takes a northeastern dircction, and lies nearly in a line with Cape Khanzir, the most southern point of the Amanus Mountains on the coast of Syria The distance from Cape Andrea to Cape Khanzir is about 75 miles; bnt the nearest part of the Syrian coast, in the neighbourhood of Latakieh, is only about 60 miles distant from Cape Andrea. Tho island is about 230 miles north from the Damietta mouth of tho Nile. A range of mountains runs through the island in the direction of its length, kceping closer to the north than to the south coast. These mountains, called Olympus by the ancients, now Stavro-Vuno and Santa-Croce, are according to some more than 7000 fcet, to others moro than 10,000 fect abovo the sea. On Mount Santa-Croce, 18 miles north of Larnaka, is a cluurch said to have been founded by Helena, the mother of Constantine: another summit, 5 miles from Zerini, or Ghirneh, near the north coast, has a monastery and an old castle upon it, from which there is a splendid vicw. The northern slope of these mountains is bold and rugged; the southern side is still more so, presenting a deeply-serrated outline with thickly-wooded steeps, diversified by precipitous masses of limestone and deep picturesque valleys, in which grow the narcissus, tho anemone, and the ranunculus. The most extensive plain, called Messarea, is in the south-east part of the island, and is watered by the river Pedixus, which is however nearly dry in summer, like all tho other rivers of the island. Another level tract, watercd by the Tretus, lsy to the south of the former, near the ancient city of Citium.

Strabo (Casaub., 682, \&c.) gives tho following enumeration of the towns of Cyprus in his time. On the nortly const, east of Cape Aca. mas, were Arsinoë, Soli, with a harbour founded by Phalerus and Acrmas of Athens; Limenia, inland; then east of Cape Crommyon, Lapathus, built by the Lacedemonians; next Agidus, Aphrodisium, and Carpasia; east of tho last was a mountain and cape called Olympus, with a temple of Venus upon it, which women were forbidden to enter. Turning tlience towards the south was Salamis, at the mouth of the Perlixus, one of tho principal citics of tho islaud, said to have been bnilt by Teucer, an emigrant from the island of Salamis. Nenr
the mouth of the Pcdiæus was Ammochostos, the name of which remains in the corrupt form of Fsmagosta. Proceeding southward Was another Arsinoë, with a port; next came Leucolla, near Cape Pedalium, a lofty table-land, called the 'Table of Venus.' West of Pedalium was Citium, with a harbour that could be closed. Citium was a large town, and the birthplace of Zeno the Stoic. West of Citium was Amathus. Inland was Palæa, and another mountain called Olympus. Sailing round Cape Curias to the west was the towu of Curium, with a port, built by the Argivi. Here the coast turns to the north-west, looking towards Rhodes, and had the towns of Treta, Boosoura, and Old Paphos (Palæpaphos); then Cape Zephyrium; and next to it another Arsinoë, with a port, temple, and sacred grove ; and New Paphos, built by Agapenor, 60 stadia by land from Old Paphos. [RAFFo.] The north-eastern part of the island was called the Akte of the Greeks, from the tradition that Teucer landed upon it with his colonists. [AcTivm, vol. i. col. 59.]

Most of the above towns, and others which Strabo has left out, have long since disappeared. The present towns of Cyprus are the following :-LefLosia, vulgarly called Nikosia, the capital of the island, and the residence of the Turkish governor, which is near the site of the ancient Letra, or Leucotra. Its population is not more than 16,000 . The town stands in the centre of the island, in a plain surrounded by mountains. Lefizosia was the residence of the kings of Cyprus of the Lusignan dynasty, and was then much larger than at preseut: the Venetians destroyed part of it in order to strengthen the remainder. It is now three miles in circumference. The church of St. Sophia, a fine gothic building, is converted into a mosque: the monunvents of the Lusignans in it are sadly mutilated. There are also a fine bazaar, a khan for travellers, several Greek churches and convents, a Roman Catholic church, and the palace of the governor, on the portal of which is still seen the Venetian lion in stone. The bastioned walls erected by the Venetians still stand. The streets are narrow and dirty, and many of the fine old mansions are crumbling to decay. Carpets, cotton priuts, and morocco leather are the chief industrlal products; there is some trado in raw cotton and wine. The Greek archbishop of Lefkosia is metropolitan of the whole island. Famagosta, on the east coast, a few miles south of old Salamis, and not far from the site of the ancient Tamassus, once fumous for its copper mines, is a town once strongly fortified by the Venetians, but now much depopulated and decayed. The Venetian palace and most of the churches are now in ruins, and the fortifications are now insignificant. Larnaka, or Larnika, near the site of old-Citium, near the south coast, and 24 miles S . from Lefkosia, is a thriving place, being the residence of the European consuls and factors, aud the seat of the chief trade. The port of Larnaka is at Salines, about a mile and a half from it. A Greek bishop resides at Larnska, and there are also some Catholio churches in the town. The houses are built chiefly of clay, and only one story high above the ground-floor, on account of the earthquakes to which the island is subject. The interior of the houses however is comfortable, the apartments are paved with white marble, and almost every house has a garden, of which the Cypriotes aro very fond. The principal exports consist of cotton, wine, the best of which is produced near Limasol, salt, corn, opium, turpentine, silk, and fruit: population about 3000 . Limisso, or Limasol, near the ancient Amathus, 42 miles S. W. from Larnaka, has a good harbour, but the town is a heap of ruins: in the country heresbouts the vine and other fruit-trees flourish; carob-trees are especially abuudant. Baffo, or New Paphos, has been already noticed. [BafFo.] On the north coast is Zerini, or Ghirneh, the ancient Cerinia, with a fort and a small harbcur, from which there is somo traffic with the opposite coast of Caramania. Besides these, there are a few Greek villages aud several monasteries scattered about the islaud.

The soil of Cyprus is naturally fertile; formerly uuder the Venetians it maiutained a population of nearly $1,000,000$; but the number of inhabitants in 1850 was only 140,000 , about 100,000 of whom are Greeks, and 30,000 Turks, and the remainder Catholics and Maronites, From neglect and oppressiou, the inhabitants are in a state of the greatest miscry. Many districts of the islsnd aro uninhabited and of course uncultivated wastes or clothed with heath, thyme, and other aromatic plants. Cotton of the finest quality, excellent winc, and all kinds of fruit are produced but agriculture is in a most backward stste. The average annual yield of corn is about 112,000 quarters. Besides the productions just named, madder, opium, colocynth, oranges, lemons, pomegranates, hemp, tobaceo, \&c., are grown. The carob-tree (Ocratonia Siliqua) abounds in some districts; its succulent pods are exported to Egypt and Syria, while the pulp, which is called St. John's Bread, and resemblcs manna, is used as an articlo of food. Other products are olive-oil, pitch, wool, cheese, raisins, and silk. On the mountains are forcsts of fine timber. One of the most important plants of the island in respect to its economical uses is the Ferula Graca (the ancient $\nu d p \theta \eta \xi$, and still called Narthēka) : of the stalks the Cypriot forms a great part of his household furniture ; and the pith is used instead of tiuder for conveying fire from one place to another, as taught by Prometheus of old. (Aischylus, 'Prom.', 109-111.) Sheep and cattlo thrive. In ancicnt times Cyprus was fimous for its valuable copper miucs as well as for gold, silver, and precious stones, iucluding tho diamond, emerald, jasper, opal, and agate. Copper, asbestos, talc,
rockerystal, and various other minerals nronow known to exist, hut no mines are allowed to be worked. Salt is made on the sea-shore to the amount of about 10,000 tom annually. Game and fish nro plentiful. The island in infustor with ankes, tarantulas, and renomoun apldera; and sometimen almost overy green herb and leaf ls devoured by clouds of locusts from the neighbouring continent. The climate is cold in rinter, owing to the winds that blow from the mountains of Asia Minor and Syrin. In the plains the heat of summer is excesire, hut it is moderated hy the ses breezes; rain ls very rare in summer, and as irrigation is neglected of courso there is then very little rerdnre. Some districts are unhealthy, from want of drainage, and the consequeut malnria. The total value of the exports in 1841 was 56,5951 ., and of the imports, 25,327 .

Cyprus appears to have been colouised by the Phocnicians at an carly period, and the island, or a portion of it, seems to have beeu subject to them even down to the time of Solomon. Their chief town Citium is supposed to have been the most ancient city in Cyprus, and to bo the Chirtime mentioned in the Old Teatrment. Its ruins are seen betwreen Larnaka and its port Salines. Pheenician inscriptions havo been found in the foundations of a fort, which defended a large basin or harbonr now nearly filled up. Lieutenant Lejcester ('Loudon Geographical Journal,' vol. xxii.) found in Cyprus inscriptions of tho earliest times-Cunciform and Phonician. Ethiopians ano also mentioned as forming part of the population, but it is diflicult to say exactly who are designated under this name. Greek colonles afterwands mettled on the const According to Strabo it was divided among meveral petty tyrante, who wero at times at war with and sometimes allied to the neighbouring powers of Asia Minor and Greece. Amasis, king of Egypt, invaded Cyprus and took Citium ('IIerod.', ii. 162), and it was probably be who introduced the Ethiopian or African nettlers. The island becaune subject to the Persians ('Herod.,' v. 108), and anerwarde submitted to Alexander the Great, upon whose death it fell with Egypt to the share of Ptolemy the son of Lagus. It continued under the Ptolemies, sometimes united with Egypt, and sometimes uuder a separnte prince of the same dynasty. The last of thees princes, brother to Ptolemy Auletes, king of Egypt, incurred the enmity of P. Clodius Pulcher, who being taken prisoner hy the Cilician pirates, sent to the king of Cyprus for money to pay his ransom. The king sent a mum which wras too little. Clodius laving recovered his liberty by other mean, when be became tribune of the people obtained a decree to be passed for reducing Cyprus to a Roman provinca (Strabo, 681; and Dion, xxxviii. 30.) 11. Cato was ment to take posession of it The king on hearing of this design put himself to death before Cato's arrival. Cato seized upon the treasury, which was well filled, and sent a large booty to Romo. Cyprus thus became a lioman province. On the division of the empire it fell to the lot of the Byzantine emperors, and after acreml vicissitudes became a separato principality under a branch of the Comncui. Richard of Eugland took it $\ln 119 \mathrm{I}$, and sold it to the Templars, whose oppreation drove the peoplo to rovolt. Richard reaumed the movereignty, and gave it to Guy of Lunignan, the expelled king of Jerusalem, in 1192. The Lusignans retained It for aearly three centuries, which was a flourishing period for Cyprus. John III. of Lueignan died In 1458, leaving the kingdom to Charlotte, lis only legitimate child, who married her cousin Louis, count of Geneva, second son of the Duke of Savoy and of Anna of Cyprus. She was wolemuly crowned at Lefkosia in 1460 , but was soon after expolled by her natural hrother James, mssisted hy the Mamelukes of Egypt. Jamea married Catharine Cornaro, the daughter of a Veuetian merehant, who brought lim a dowry of 100,000 gold ducats. On this occaion the Venctian ecnate adopted Catharine Cormaro as daughter of St. Mark, nad the marriage was celebrated in 1471. In 1473 Jamen died, and hill wife soon after was delivered of a son, of whom the republic of Venice nasumed the gunadianship, and Venctinn troope were sent to grrison the towns of the island. The child dying while an lnfant, the senate persuaded Catharine, in 1489, to abdicnto the sovereignty $\ln$ favour of the repuhlic, and to retire to Asolo near Treviso, where she lived the rest of her days ln a prineely atyle on a liberal jennion. Meantlme Charlotte Lusignan hai retired to Rome, where the died in 1487, bequeathing her claims to Charles, duke of Savoy, in conseguenco of whlch the sovereigns of that dynanty asume to thle day the title of klnge of Cyprus and Jerusalem. The Venotians kept posscasion of Cyprus till 1570, when Selim 11. sent a powerful forco to invade the inland. Tho Turks took Lefkosia by atorm, and manacred about 20,000 people. They then laid aiege to Famagoita, which was long and gallantly defonded by the proveditorgeneral, Marcantonio Iragadino. At last, in August 1671, the Fenetinn werv obliged to capitulate, on condition of being sent eafely home. The parha Murtapha sigrod the capitulation, but when Bragadino with the other Venctian offecrs repalred to hls tent to deliver the koym, he had them all soized and put to death, except Bragadino, whom after mome daya lie caused to be led naked to the aquare of Finmagosta, where in tho pasha's presence the executioner legan ts gay lim alive. Bragedino expired In the midst of the torments, which he endurod to the last with the grenteat constancy. II s skin was filled whth straw and bung-up to the gardarm of the almiral's ressel, in which Mlustapha returned to Constantinople. Venice raimed monument to the memory of Bragndino is the
church of San Giovanul Paolo, and his relatives after a time ransomed his skin, which was placed in the momument. From that time the Turks have renained iu possomaiou of Cyprus. Cyprus now forms a pruhalic in the Kiyalet of the Djizairs, or islands which are govermed by the Capitan l'asla.

Mariti, Tharels: Paruta, Jialoire Venetiane; Botha, Sloria d Slalias: Macgregor, Commercial Statistics: Dictionary of Greck and Roman Geography.)

CYR, ST., a villsge near Veranilles, in France, colohmed for its royal ahbey, au lnstitution founded by Louis XIV., at the desire of Madame de Maintenon, for the education of young ladies of noble hirth. Previous to the foundation of thin establishment, St. Cyr was composed ouly of some peasants cottages, with the chateau of tho lord of the village. The institution was for 250 yonng ladics who could show a nohlo descent of four generations on the father's aide: they wero received between the ages of seven and twelve years, and maintained, instructed, and fumished with everything till they reached the age of twenty. The girls were instructod by about forty nuns. On quittiug the establishment they received a dowry of a thousand crowns. The huildings of the ahbey wero designed hy Jules IIardouin Mansard, the architect of Louis XIV., aud consisted of twolvo principal piles of building, forming five courts, with extensive gardeas attached. The buildings were commeuced in 1685 and completed in a year; 2500 workmen were engaged iu the work. Louis XIV. was iu the hahit of visiting Madame de Maintenow in a paviliou iu the garden; and in the buildings of the iustitution the young ladies used to perform the 'Esther' of Racine, whose 'Athalio' was also written for them, though only performed by them twice, and that without dromees, and not in their theatre. Madame de Maintenou passed the close of her life at St. Cyr, and dyiug thero iu 1719, was huried in the choir of the church, whero a long epitaph, in Freuch and Latin, was inscribed to her praise.
This eatablishment was suppressed at the Revolution, and the buildings were at first deroted to the purpone of a military hospital, subsidiary to the HOtel Royal of Paria. In 1811 Napolcon transferred hither the military school of Fontainebleau, and the restored Bourbous sauctioned the change. The pupils, who are admitted after passing an examination, amount to 350 . They cuter between the ages of sixtecn and twenty, aud about 110 leave the iustitution every year, who ary appointed to rogiments as vacancies occur.

CYRENA'TCA, a region of North Africa, comprehending the country betweeu the Great Syrtis and the Gulf of Platea, now Bomba. The western limits between Cyrenaica aud the Carthaginian dominions were fixed at the Philrenorum Arw at the bottom of the Great Syrtis, and its eastern limits towards Egypt seem to hare been about the Catabathmus Major. Cyrene, Tcuchira, and Hesperis wero the earliest Greek colonices Barca was a colony of Cyrene, mixed with Libyan aborigines. Afterwards, under the Ptolemies, Teuchira took the unme of Arsinoc̈, Henperis was called Berenice, aud the port of Barea became the city of Ptolemais, and drow to it most of the inhahitants of Barca itself. The port of Cyrene, called Apollonia, became also au important town. From these five cities, Cyrene, Apollonir, Ptolemais, Arsinoë, and Berenice, the country was sometines called Peutapolis. The interior was peopled by Lihyan tribes. Thero were slso other towns mentioned as laving exiated in this country in the Romau period, such as Darnis, Iladrinna, Neapolis, Thintis, \&c.; but their site is not well ascertaiued, except Darnis, which is believed to have been where Derva is now. [Barca.]

As the tiaveller approaches Bengazi from the south, leaving behind the asady tracts of the Syrtis, which continue to spread inlnnd iu ans eastern direction, lie cuters a now region of hills and plajns fit for cultivation, and covered with regetation. The coast atretches to the north-east, forming a curvilinoar projection which milvances into tho Mediterranean, between the Great Syrtis to the west and the Gulf of Bombe to the east. The chord of this curve from Bengazi to Bomba is about 150 miles, but the swoep of the coast is abovo 200 miles. A rilge of moutains from 800 to 1100 feet high begins to the south-cast of Bengazi, and exteuds to the vorth-east in a diagonal direction to the shoro, being distant from Bengazi ahout fourteen miles, from Teuchlra Give miles, from Ptolometa about two iniles, aud then comes close to tho at lias Sem, continuing along the coast to Apollonin, and an far as Derna. Farther lnland is another range, nearly 2000 fuet above the sea, which forma the plateau on which Cyrene stood, and which declines gradually towands the east, and bleads with the lower one near Cape Bujchara. It then jolns the inountains of Akabah el Kelir, the Catabathmus Major (Greater Acclivity) of the ancients, which run through Marmarica iu a southeast direction to the Oasis of Siwah. To the south and south-wost the mouutains of Cyrene slope gradually to the level of the Llbyan Demert and of the mandy tract which borders the Grent Syrtim According to Pacho, the greateat brealth of the litlly region from north to wouth is between meventy and eighty milea. Towand the north both the higher and lower ridgen are frequently broken by deep wads, or chasms, through which the winter torrents 1 uhls to the mea. In these chasms or valleys grow a rast number of pine-trees, generally amall, though some are large cuough for top-mnsts of m man-of-war. The largest of these clasman is near Capo Itan Sem, witha peronnial streatn runuing through it, which is supplied from the fountaiu of Cyronc. Clusters of date-
trees are seen near Benmazi and Derna. The road from Bengazi to Tocra or Tcuchira and Ptolemeta lies through a very fertile and beautiful country, thongh a comparatively sinall part of it is cultivated. It is a plaiu, thickly covered with wood and flowering shrubs, stretching from the sea to the foot of the mountains, and narrowing every mile as we proceed towards Ptolemcta, where the high land comes very close to the sea. The whole length of the plain from Bengazi to Ptolemeta is 65 miles. The sides of the mountains also are thickly clothed with wood, chiefly pine of various kinds, and numerous shrubs, among which the juniper abounds. Ravines whose sidcs are covered with wood and verdure cross the road very frequently in their course from the mountains to the sea, most of which must be impassable in the rainy seasons, as there is nothing like a bridge over any of them. Open spaces, somo of considerable extent, also oceur occasionally in the woods; they were probably once cultivated, but are now thickly covered with grasses of various kinds, among which oats grow spontaneously, as well as a species of wild artichoke, which is eaten raw by the Arabs. Several towers of very solid construction are scattered along this road.

Of the five towns of the Pentapolis, Bengazi is gencrally believed to occupy the site of the ancient Hesperis, afterwards called Berenice, of which there are hardly any remains above ground. [Bengazl.] In the neighbonrhood of Bengazi there are some curious chasms or pits sunk in the rock 60 or 70 feet below the plain, with excellent soil at the bottom covered with trecs and rich vegetation, and which seen to answer the description which Scylax gives of the gardens of the Hesperides. The acxt town on the coast is Tocra, the ancient Teuchira, afterwards called Arsinoe, which although totally deserted is still completely inclosed, except on the sea or north side, by walls of uncommon solidity and thickness, strengthened at intcrvals by quadrangular towers, twenty-six in number, and is entered by two stroug-built gateways placed opposite to each other on the east and west sides of the walls. The circuit of Teuchira is about a mile and a half. It is sitnated on a plain abont four miles from the foot of the mountains. The interior of Teuchira has been utterly destroyed, and the fow remains, among which are those of a handsome Christian church, are not distinct enough to give an ides of tho former buildings. The line of some of the streets however is distiuctly traced. We know very littlo about the history of Teuchira or of the epoch of its final destruction. The walls were repaired by Justinian, in doing which blocks of stone and marble have been introduced, many of them bearing Greek inscriptions, which evidently formed part of much older buildings. A number of quarries with excavated tombs are seen outside of the city walls. There is no appearance of a porst at Teuchira, and the position of the cosst is such as not to afford shelter to vessels. Ptolemeta, or Tolmeta, the ancient Ptolentait, is also ruined: several of the buildings however are partly standing, such as a lofty gateway, an amphitheatre, two theatres, a palace or large building, the inner court of which retains its tesselated pavement; severnl columns are still erect, and a number of others are thrown down in heaps. Though the walls of Ptolemeta have been thrown down their line can be traced in many places, but nowhere do they rise more than a foot above the ground. Ptolemais was originally the port of Barca, which latter is mcutioned as one of the five cities of the Pentapolis, though it was inhabited by a mixed Greek and Libyan race. Ptolemaïs aud Darcs havo been confounded by some geographers, but Ptolemaus distiuguishes them, and Scylax says that Barca was 100 stadia from the sea. Uuder the Ptolemies of Egypt the port of Barca assumed tho name of Ptolcmais; and in the vicissitudes of the country the Greek population of Barca withdrew to Ptolemais, which flourished through its maritime trade. Pomponius Mela mentions Ptolemais, and not Barca, among the cities of Pentapolis. [Barca.] Ptolemeta lies in a delightful position at the foot of the hills, and on a slope stretching to the sea between two romantic wads, wadys, or ravincs. Its cxtent as far as can be traced was about one square mile; but the whole space is now overgrown with wild vegetation, with patches of corn here and therc among the ruins. The Arabs sow the corn and leave it to the winter raing, and they return at harvest time to cut and carry it off. Thero are several large cisterns in good preservation, which were restored by Justinian, and now afford a supply of good water.

The road from Ptolemeta to Cyrene leads up a romantic vallcy, the sides of which are thickly clothed with pines, olive-trees, and various kinds of laurel, interspersed with clusters of luxuriant honeysuckles, myrtle, arbutus, juniper, and a variety of wild roses, and then opens iuto the plain of Merdje, a large and fertile tract about fivo miles in brealth, on the summit of the first range of mountains, with pools and small lakes formed by the waters from the upper ridge. The Arabe encamp herc, and partly sow the ground with corn and usc tho rest an pastures. From the plain of Mcrdje the path follows the track of tho ancient road in a north-enst direction, leading through a succession of hills and fine valleys to Ghrennah, the Arab name for Cyrene. On approsching Girennah tho country becomes more clear of wood, the valleys produce fine crops of barley, and the hills afford excellont pasture for cattle. A plant three fect high, perhaps the silphiurn of the anciente, and resembling iu shape the hemlock, grows hero in great abundance. The position of Cyrene is one of the finest that can be imaginerl, being on the edge of the upper range of hills,
about 800 feet above the lower rauge. Below the town the hill slopes down towards the uorth, forming several natural terraces one below the other, and terminating with a fine sweep of table-land, which forms the summit of the lower range, aud which is covercd with wood, with scattered tracts of coru and verdant pastures. Ravines whose sides are overgrown with trees intersect the country in various directions, and form the chanuels of mountain streams. This table-land extends east and west as far as the eye can reach, and to the north after stretching about five miles it descends abruptly to the sea. The slope of the lower ridge, which runs along the coast of Cyrenaica, is here thickly covered with wood. Its height is about 1000 feet, so that Cyreno is about 1800 feet above the sea, of which it commands an extensive view. The ledges or terraces of the upper ridge afforded room for roads or drives sweeping along the sides of the mountain, and the tracks of the chariot wheels are still impressed upon the rock. The remains of Cyrene occupy a vast extent of ground, but they have been sadly disfigured by the hand of man. Innumerable tombs either built of stone or excavated iu the rock encircle the town, and are ranged on each side of the avenues leading to it. In some of theso excavations paintings have been found in good preservation, representing funeral games, hunting parties, several sketches of private life, and allegorical subjects. The costumes are beautifully rendered, and the colours very brilliant. Within the precincts of the ancient town are the remains of a bath built of brick, of which some parts of the vaulted work are still left, some towers or forts, a very large hypogeum picturesquely situated on the extremity of the only grove that is found on the plateau, several large tcmples of the Doric order, two small excavated temples of the Roman period with Christian emblems, two theatres, an amphitheatro, and an aqueduct, but all sadly damaged; in fact the wholo of the existing remains are at present little more thau one mass of ruins, and the tombs afford the most perfect examples of Grecian art now remaining in Cyrene. A quantity of prostrate culumns, statues, capitala, rilievl, and inscriptions are scattered about the ground, but the statues are mutilated, and many of them want their heads, which the Arabs have cut off. There are two copious springs, from one of which, supposed to be the Fountain of Apollo, the water flows iuto \& subterraneous channel, and then issues out on the other side of tho mountain.
The country around Cyrene must lave been in the time of its splendour a completo garden, and it is easy to conceive how the people of such a country became so much addicted to luxury aud pleasure as they are reported to have been. Even now in its wild gtate" tho rich ochrisli red soil, watercd by rivulets gushing on every sidc, brings forth a rich vegetation which pierces the mossy rocks, clothes the hills, exteuds in rich pastures, or develops itself in forests of dark juniper, green thaya, and pale olive-trees. The modern name of the Cyrenaïca, 'Jebel Akhdar,' that is, the Green Mountain, expressly indicates its rich and smiling aspect." (Pacho.)

Cyrene was governed by kings, from its foundation by Battus, who dicd about b.c. 591, to about B.c. 450 , when the government appears to have changed to a republic. (Aristoteles, 'Politic.' vi. 4.) The subsequent history of Cyreno seems to have becu a series of changes and internal troubles till after the time of Alexander, when it became subject to Egypt in the reign of the first Ptolemæus, and so it continued till Ptolemxus Physcon, whose natural son Apion being in possession of the chief power, gave it into the hands of the Romans about b.c. 97. Strabo says $(837, c)$ that in his time the kingdom of Cyrene, with Crete, formed a Roman province. Cyrene appears to have gradually declincd under the Romans as the maritime towns of the Pentapolis rose in importance. It afterwards suffered greatly, and was in a great measure ruined during the insurrections of the Jews under the reigns of Trajun and Hadrian; the province was depopulated when Hadrian colonised it afresh, at which time it is probable that many of the buildings of Cyrene were restored, for there is a varicty of Greck and Roman style observable in them as well as in the sculptures. The Jews were at one time very numcrous in Cyrenaïca; they had settled in it in the time of the Ptolemies, and chiefly resided at Berenice, where they formed a distinct community governed by two archons.


Coin of Cyrenc.
British Museum. Actual Size. Gold. Weight, 08 grains.
In the 4th century Synesius, bishop of 'Ptolemais, one of the most eloquent of the early fathers, deplored the ruin and dcpopulation of Cyrene, hastened by tho oppessions of the Byzantine governors. It was in bis time that Cyreno was destroyed by an invasion of some barbarous hordes of the interior of Libya, whose women were armed as well as the men, who destroyed all before them, and only spared the male children to recruit their ranks. (Synesii, 'Opera,' p. 300.) Thoso of tho iuhabitants of Cyreue who escapel took refirge at

Piolemais. The barbarions besieged Ptolemais, in which Synevina lad remained faithful to bis flock, and they werv repulsed. In the early part of the ith century the Persinns under Khosroo Purveez, ater overrunning Egegpt, invaded the l'entapolis and depopulated the country. The Suracens afterwands completed the work of the Peraing, and the towne of the Pentapolin have remained in ruin erer since. Now the nomad Arabe wander about the wholo region, which is nominally subjeet to the begs of Bengazi and of Derna, who are dependente of the paehs of Tripoli. Apollonia, afterwarde Sozyas, and now callenl Marsa Sousa, was the port of Cyrene, from which it is about 12 milon distant. The ancient rond leading to it still remains Apollonia lies at the bottom of an open bay, protected howerer by two sunall lainnds in front of the town. The town is ruined, but the grenter part of the wali is standing, and there are remaine of two Christinn ehurches (the columns of which are of fine marble), of a barilica, a fort, \&c. The Onsin of Aujilah, to the mouth of the demert of Barce, was reckoned part of Cyrenaica
(T'acho, loyage dens la Marmarique ed la Oyrénaïque; Della Cella, Yinggio da Tripoli alle Frontiere di Egitto; Beeches, Expedition to the North Coast of $A$ frica)

## Cy'rus. [Aras; Kur; Bemdamir.]

CyThtila. [Iomin: Islands.]
CY'ZICUS (also called Oyzicume , an ancient town of $\Lambda$ sia Minor, huilt on an iNand in the Propoutis uear the const of Mysia, which was joined to the mainland by two hridges. An iathmus gradually formed itself, and tho island hecame a peninsula. It is said to havo been a Milesian colong, formed in the Sth century R.c. Strabo (Canaub, 6.5 ) apreaks of Cyzicus as worthy of being numbered amoug the first cities of Asia for its size, heauty, and aplandour, and for the gooduce of its laws. It became carly sllied to Rome, and remained faithful in its allingee. It withstood all the power of Mithridaten who besieged it, and the hrave resistence of the citizens gave time to L. Lucullus to come up with his army and drive him back into Pontur, The Romans, grateful for the fidelity of Cyzicus, not only respected its liberties, but gave it an inerense of territory, which extended, scoorling to Strabo, to the east, as far as the lake Dascylitis, and to


Coin of Cyxicas.
Bristsh Meseum. Actual sizc. Bronec. Welght, 289 graiss.
tho west, beyond the disepus into Troas as far as Adrusteia. To the south it reached Miletopolis. The town of Cyzicus was built partly on the seaconst and partly on a hill; its site is now covered with cherry orchards and rincyards; there aro some remains, and among others a theatre, an amphitheatre, and some massivo substructions. On tho samo island, or poninsula, weat of Cyzicus, was another Greck colony called Artace, the site of which is now occupied hy the miserable town of Erdek. The island, or peninmula, was also called Cyzicus (Pococko; Sestini ; Leake, Asia Minor ; Hamilton Rescarches.)
CZELGLED, a large market-town in the county of Pesth in Hungary, and circlo of Ketskemet, stands near the point $47^{\circ} 10^{\prime} \mathrm{N}$. lat, $19^{\circ} 48^{\prime}$ E. long. A station on the Vienns, Perth, and Szolnok railway, is called afer the town, and is 47 malles S.E. from Pesth; hut Czegled lies a jittle way month of the station so called. It has a Roninn Catholic and a Calvinist church, sevoral handsome buildingo, and contains about 13,000 lnhnbitante, or 16,500 including the commune. The country around it is well cultivated, and produces much grain and a great quantity of common red wine. The hreweries are comaiderable. Tho town is about 20 miles $N$. from Ketskemét, or Kocakemet.

CZI:RNAGORD. [Mostrasoro.]
C\%ERNIGOF (promounced Tachernigof), formerly part of the Likraine, now a government or province of Little lkumia, lying between $60^{\circ} 20^{\circ}$ and $53^{\circ} 20^{\circ} \mathrm{N}$. lah. $30^{\circ} 10^{\prime}$ and $34^{\circ} 40^{\prime} \mathrm{F}$ K. long., in hounded N. by Mohiler and Smolenak, IE hy Orel and Kurnk, S. by Poltara, and W. hy Kier and Sinak. Tho gorernment contain an arca of 21,137 mypare miles, and land an entimated population in 1846 of 1,450,000.
The genemal character of the anrfice in a lovel, occamionally interrupted hy hills, and riving into high lane at it approaches tha elevated banks of the Dnieper, its south-wetern boundary. With the exception of somo sandy trects, the subsofl is elay, whileh is well corered with rich lonm, and presenta a succemon of lnxnriant arable and pasture lands. On tha bank of the Dnieper the chalk, mate, and clay alternnte, but aleto prodominates. Mont of the streams which
water Czernigof empty themselres into the Dnieper. The Ipont druins the north-western distriet, and enters tho Soj, a feoder of the Duieper, in the government of Mohiler, at Nov- Bielitzn. But the principal river of the interior of Czeruigof is the Deena, a navigable atream, which ontering the province in the uorth-east from Orel, traverses it wearly in its whole length in a south-westerls direction, and enters the Duieper a fow miles above the city of kiov. The waters of the Dema aro increased hy thoee of the Snof, Ostre, Seim, and Sudost. Czernigof abounds in amall streams, and in natural sheets of water, none howorer large enough to be called lakes
The climate is dry, mild, nad salulrions ; but the crops sometimes suffer from locunta. Agrioulture and grazing constitute the principal pursuit of tho inhahitants ; com of all kiadh, particularls ryo, barley, and oats, are grown, and tho yearly produce in estimated at throc millions of quarters, of which upwards of two uillious are consumed in the country itself. Hemp in large quantities, Hax, tobacco, peas and beans, linseod, and hops aro also rained. Melona and the com. moner sorts of fruit are plontiful, but the grape does not ripen sufficiently for winc. There is here a peculiarly fine species of the cherry, called Taherasun, from which braudy and sugar are obtained. The woods and forests yicld an abundance of cxeclent timher, charcoal, potash, and tar. Horses and cattle aro reared in great numbers; the horso is of the small, netive, and hardy hreed of the Ukraine and well adapted for the uso of light caralry, and some fine stude are kept by the nohility. The ox in of a fine hreed, and is here used for tho plough exclusivcly. Large herds of aheop and swine aro kept. Been are very numerous, and much honey snd wax are gathered. Of minerals Czernizof possesses iron, almm, saltpetre, porcalain earth, pottar's-clay, chalk, and slato.

There are scareely any serfs in this government. The Greek is the predominant form of faith, and ecclesiastical nffairs are directed by the archhishop of Czernigof and Noshin.
The inhabitauts generally mako their own clothiug and utensils. Manufacturing industry increases slowly in the provinee; the principal products of this kind are linen, hroadcloths, leather, glane, and beetroot augar. The fondness of tho people for ardent spirits has occasioned the establishment of a great number of distilleries here as in other parts of Russin. There is some internal trado, which mostly contres at Neshiu, where four large fairs are held in the course of the year. The exports, consisting principally of horses, cattle, swine, tallow, wool, skine, bristles, grain and meal, honcy and wax, potash, hemp and hempreed, aud hrandy, are considerahle.

Czernigof is one of the privileged governments, the aucient prerogatives of the nohility having beeu confirmed to them in 1802, nud tho Cossak inhabitants enjoying the privilege of distilling brandy in any spot they please, without its being deemed sun infringement on the crown monopoly. The province is placed uuder a civil governor, who is a councillor of state, and resides at Czernigof the capital.
The government is dirided into 12 circles. The capital, Czernigof, is noticed in the yext articlo. Among the other towns wo notice the following :-Neshin, Nejin, or Nieshin, stands on the Oster, and has 15 churches and 16,000 inhabitanta, who carry on a large trado in soap, leather, preserves, and liqueurs. The towu is surrounded hy walls, and has a cathedral, sereral convente, an hospital, and a college. Gluchof, on a feeder of the Scim near the eastern boundary, is surrounded hy an earthon wall, and has 12 churches and about 9000 inhahitants. Norgorod-Scererd; on the Desna, has 8000 inhabitants, and an active trade in corn, hemp, and lime. Starodub, on the Babinza, has about 4500 inhabitanta. Mglin, on the Sudenka, a feeder of the Ipout, hns 4 churches and about 5000 inhahitanta. Baturin is noticed in a - eparnte articlo. [Baturis.] Oster, at the junction of the Oster and the Denm, 40 miles S . from Czernigof, has a population of 4000.
CZEIRNIGOF, the capital of the government of Czernigof in Russin, is aitunted on the slevated banks of the Demnn, in $51^{\circ} 27 \mathrm{~N}$. lat, $31^{\circ} 15^{\prime} \mathrm{E}$. loug., about $80 \mathrm{miles} \mathrm{N} . \mathrm{N} . \mathrm{F}$. from Kicr, and has about 10,000 inhnhitante, many of whom are Jews. It is surrounded hy a rampart of earth, which is converted into walks it was built in the year 1024, aud is accounted the oldeat town in Eurepcan lkansia. In its centro standa a high bill with a castlo ou its summit ; it bas several churches, among which is tho cathedral, a well-built cdifice, in which the remain of St. Theododus are deposited. There are also four monastcries, a gymnnsium, sn eccleniastical seminary, with a printing eatablishment attached to it, an Imperial Orphan asylum, a riding-nchool, a machnnien achool for 400 pupils, and several entralishmente for tho indigent. The inhahitnats are chiefly employed in retail trade and mechanical pursuita, and manufacture small quantities of woollons, linen, leather, and sonp. Four markets are held here in the course of the yenr. Czernigof in the residence of the arclablshop of the diocene and of the governor of the province.
CZにHNOWIC\%. [BUROwTMa.]
CZIllKN1T\% (Zirknitz), a market-town in tho Austrian crownland of Carinthia, lies on the Brohitza, andl contains about 1500 inhabitants who are occupled in fishery and $\ln$ salt and tile-making. Near it is tho Laks of Czirknitz, Inelosed within limestone mountains of very grotenque outlines. The lake in dry sonsons is from 12 to 15 miles in circumference, and when quite full about 24 miles; its entire area is then about 03 square milom. Its form however is made very
irregular by numerons bays, capes, and islands. At the foot of the Javornig, which rises on its southern bank, the peninsula of Dervoseck stretches far into the lake; on the west is the island of Vorneck, on which is the village of Ottock. While passing over the more shallow parts the rocky bottom of the lake presents a very dark appearance, occasioned by numerous funnel-shaped cavities of varions dimensions, and all distinguished by significant names. Its general depth compared with other lakes is inconsiderable: the carity of Reseheto, the deepest part of the whole lake, is only 56 feet deep below the mean surface of the lake. The lake is remarkable for great variatlon in tho height of its water, which is owing to the nature of the limestone rocks. The bottom of the lake, especially of the funnels, is full of elefts and fissures, through which the water passes at forty different openings into subterranean caverns and channels, and re-appears under tho
form of the Bistriza aud Baronniza in the valley of Laibach. During the dry season, which generally oecurs in autumu, the bottom of the lake is covered with luxuriant herbage, which is made into hay. Only a very small portion of the lake however is suseeptihle of cultivation; millet and buck-wheat are sown, which ripen in six weeks; but as the waters of the lake frequently do not subside for three or even more years, the sowing and harvest are of course very irregular. In January 1834 the waters left the lake and did not returu till Mareh 1835. During the interval grain and vegetables were sown and gathered, and eattle grazed ou the bottom of the lake-an ocenrrence which, for the long cessation of the waters, is said to bo uuprecedented. The lake abounds in pike and other fish; it is also frequented by numerous aquatic fowl,
CZORTKOY, [Galicia.]

DACCA JELALPO'RE (Dhaka), one of the districts into which the province of Bergal is divided, lies between $23^{\circ}$ and $25^{\circ}$ N. lat, and between $90^{\circ}$ and $91^{\circ} \mathrm{JE}$. -long., and is bounded N. by the distriet of Mymunsingh, E. by Tiperah, S. by Tiperah and Backergunge, and W. by llajeshahy and Jessore. The limits of this district were much wore oxtensive before the year 1800 than they arc at present, reachiug as far south as the sea, and as far north as the Garrow Mountains. It then contained an arca of more than 15,000 square miles, but it is now reduced to somewhat loss than 6000 squaro miles. The surfaco of this district is uniformly low and level, and bcing intersected hy the Ganges and Brahmaputra, a great part of the عoil is periodically covered with water by the overflowing of thoso rivers during the rainy scason. At these times the villages whicl are built ou artificial embankments have the appearanco of spall islands. The dejosita left hy thesc iuundations fertilise the soil. The lands arc only partially eultivated: towards the north and west are very cxtensive tracta of juugle; in these aro great numbers of wild elcphants which causo much loss to the neighbouring farmers, and prevent tho exteusion of cultivation. Towards the south and the east nearly seven-eighths of the land are under cultivatiou, producing rice, betcl-nut, hemp, cotton, and sugar. The abundance of the rice harvests has caused the distrint to be ealled the Granary of Bengal
Dacea is priucipally known in Europe for its manufactures of cottou goods. The striped and figured muslins of Dacca were long celebrated throughont the world for the beauty and delicacy of their fahric. The productions of Paisley and Manchester have however almost entirely displaecd the Dacca muslius.

The ruins of ancient mosquea aud lifidoo templea are spread all over the country; and in many places are scen the remaius of fortresscs constructed to oppose the invasion of the Mughs. The settled estates are mostly parcelled out into small talooks, or zaminclaries, and theso are divided and subdivided into very inslgnifieant farms. The principal towus are Dacca, Rajnaghur, Narraingunge, Furreedpore, and Soonergoug. Rajnaghur stauds on the left side of the Puddah, the grand outlet of the Ganges, in $23^{\circ} 20^{\prime} \mathrm{N}$. lat., $90^{\circ} 25^{\prime}$ E. long., 23 miles S. by W. from Daeca; Narraingunge stands on the right side of a branch of the Brahinapatra, ahout 8 miles S.E. from Daccn, in $23^{\circ} 37^{\prime} \mathrm{N}$. lat., $90^{\circ} 35^{\prime} \mathrm{E}$. long. This town contains more than 15,000 inhabitants, and is one of the greatest inland places of trade in Lengal. Salt, tobaceo, indigo, aud grain are the principal articles of this tradc. Numerous indigo factories are established on the banks of the river where the soil is farourablo for the growth of the indigo plant. On the opposite bank of the river is a Mohammedan mosque, to which great numbers of devotees resort from the ueighbouring towns to see what is described as the footmark of the prophet of Mecca. Similar footmarks are shown in several other places ln India, and impart a peculiar sanctity to the buildings in which they are placed. Furcedpore is situated on the right side of tho Puddah, or Great Ganges, 5 miles from its banks, and 40 miles from Dacca: it is the residence of the principal clvil and judicial officers for the district. Soonergong stands on one of the branches of the Brahmapatra, in $23^{\circ} 39^{\prime} \mathrm{N}$. lat., $90^{\circ} 43^{\prime}$ E. long., about 13 miles S.E. from Dacea This ls said to have been In aucient times a large city, and tho seat of government before the bullding of the town of Dacca; it is now little more than a village; It was long celcbrated for its manufacture of beautiful eloths, some of which are still made in the village.

DACCA, the capltal of the district just described, is situated on a branch of the Ganges, called the Booree Gunga (Old Ganges), about 100 miles above tlio mouth of the river, in $23^{\circ} 43^{\prime} \mathrm{N}$. lat., $90^{\circ} 28^{\prime}$ F. long. Dacea is comparatively a modern town. In 1608 the seat of government was removed to lt by Islam Khan, then governor of Bengal ; in cumpliment to tho comperor, the namo of the place was then changed from Dacea to Jehangire Nuggur. In the reigu of Aurengacbe the town of Dacea exhibited a couslderable degree of splendour. Its former limits contaln the ruins of many magnlficent mosques, and palaecs, bridges, and other bulldings, but their sites
are now for the most part overrun with jungle. The strects are uarrow and crooked, and the houscs are for the most part mean. The native population in 1801 was estimated at ahout 200,000 , rather more than one-half of whom were Mohammedaus and tho rest Hindoos. Several Portuguese, Greek, and Armeniau merehants aro settled in the place. The city contains about 120 Hindoo places of worship, aud about 180 Mohammedan; the Roman Catholics, Armenian and Greek Christians, and Protestants, have also places of worship iu Dacca. There are a governmeut college, several mission schools of the Baptist Missionary Society, and schools for ehildren of Hindoos aud Mohammedans. The government offices, the jail, the mative hospital, the lunatic asylum, and tho military orphan asylum, aro among the public buildings. There are twelve bazaars. The manufacture of gold ornaments, musieal instruments, neeklaces, and ldols forms cxtensive sources of employmeut. Tho country around Dacca is low and level, and in the wet season is flooded. Ricc is largely cultivated.
DA'CLA, the ancient namo of a country nerth of the Dauube, bounded 1. by tho Euxine, or Black Sen, W. by the Tibiscus, now the Theiss. The ancient Ducia comprehended Transylvania, the lanat of Temeswar, Hungary, cast of the Theiss, the Bukowiua, Wallachia, Moldavia, and Bessarabia. When Dacia was made a Roman province it cxtcuded from the. Theiss to the Hierasus (the Poretos of Hcrodotus and the modern Pruth), the Carpathians, and tho Danube; Bessarabia therefore was not included in the province. The Daci wero anciently called Davi, accordiug to Strabo (p. 304, c), and henec, he adds, the name Davus was commonly applied to a slave in Attica, many of the Athenian slaves being imported from the countries ahout the Danube. This appears from the plays of Terenee, which were founded on a Greek model. Tho country was iuhabited hy tho Daci and the Getw: the Daci occupied the part towards Germany and the source of the Danuho; the Getro oeeupied the part towards the east and the Euxine. (Strabo, p. 304, c). Both tho Getro and Daci spoke the same language. (Strabo, D. 305, a). The Getac wcre better known to tho Greeks in consequence of their frequent migrations to the banks of the Danube. The Latin name Daci included the Getæ. The principal river of Dacia is the Tibiseus, which, with its tributary the Marisus (Maros), falls into tho Danube. There are several small rivers besides-the Aluta (the Alt), the Aravus, and others, which also fall into tho Danuhe. Alexauder the Great fouud the Getre on the north hank of the Danube, where be defeated them and took their town, B.C. 335. In B.C. 292, Lysimachus having penetrated into the beart of their country, was surrouuded, aud obliged to surrender with his whole army in the julains of Bessarabia, Gold coius with the name of Lysimachus bave been found in great numbers at Varhely, a village of Transylvania, which occupies the sito of Sarmizegethusa, the Dacian capital, whither they were carried by the conquerors among the plunder, or as part of the ransom of Lysimachus and the other prisoners. In B.C. 10, the Romaus made an expedition up the Maros against Cotiso, king of the Daci, but without results. Ovid, who was exiled aniong the Getæ, has deseribed the pcople and the climate. Domitian cclebrated his pretended exploits against the Dacians by assuming the titlo Dricicus. (Juveual, 'Sat.' vi. 204). The first expedition of the emperor Trajan against the Daci was in A.D. 101. The Daei were led by their king Decebalus, and the war, which lasted nearly five years, ended in their submission (Dion Casslus, Ixviii.) to the Romans. Their chief town Sarmizegethusa, afterwards called Ulpia Trajani, in memory of the victory which was gained, was situated ncar the Iron Gato Pass into Transylvania, near the head of the valley of the Temes. The Column of Trajan in Rome records the leading eveuts of these expeditions. To consolidate his conquest Trajan erected the famous bridge aeross the Danuhe below the Iron Gate (some remains of it are still seen below the village of Seala Gladova), and constructed three great roads from the Danube-one from the mouth of the Karaseh at Uj Palanka to Tiviscum (Temeswar); a sccoud from Orsova up the valleys of the Czerna and tho Temes through the Irou Gate Pass, and along tho Maros to the border of Moldavia; and the third
frous the frmous brilge castwand to the Aluta, along that river and through the liothenthum Pass in the southern Carpmethians, down to Karisburg ou the Maron, whero it joined the scooud road. The lomans abandoned Dacia to the Gothe in the time of Aurelian. The Goths in their tnra gave way to the lluns about A.D. 3:6. After the death of Attila, Dnein was seized hy the Gepide Gotlis, whose kingdom was destroyed by the Longobards and Arars A.n. E66. The next invaders were Seythians or Slares, who, gorerned hy their 'Chagans,' or Khans, held sway over the country till the time of Charlemagna Finally, the Mingyara overran Dacia, and metter in it during the 9th century. The sculptures on Trajau's colnmn estahlish the identity of the Nacians with tho modern Wallachs in stature, fenture, and dress
(Paget, IInngary and Transylrania; Dictionary of Ancient Geography.)

DAGFiNliam. [Essex.]
DAGHESTAN, a conntry situated on the western shores of the Caspian Sca, between $41^{\circ}$ and $43^{\circ}$ N. lat. It is a mountainous country as its nnme implies, with the exception of a narrow plain that akirts the Campian shore, and is traversed hy the road from Iaku to Derbend. Though forming a part of the liussian government of Georgia, the different tribes which inhabit the valleys on the eastern declivitics of Mount Cancasns are governed by independent petty sorereigns ; only those which possess the low and hilly conntry townerds the sea are snbject to the Russians. Corn of differeut kind, bemp, tobacco, and madder are grown in tbe rallegs. Cattle hreeding is the chief occupation of the inhabitants. The chief town is Derbend, by which name the province of Daghestan is also sometimes designated. [Derbesid.] Kuba, a town huilt by the Russians since their occupation of the country, stands about 50 miles sonth from Derbend, and bas 5000 inhahitanta. It has straight, wide, and regular streets, like most Russian towns, and is strongly fortified. The old town of Kuba, which was the scat of a Khan, was abandonod by the Rusaians on account of its unhealthy situation in the lower grounds on the coast. Tarki, about $\% 0$ miles N.N.W. from Derbend, and a fer miles from the coast of the Carpiav, has a population of 10,000 . It was formerly called Semender. It is built on the slopes of three hills, the lighest of which is crowned by the Itussian citadel. [Groncla.]

DAG11O, or DAGO, an island at the entrance of the Gulf of Finland, about 41 miles long, and varying from 27 to 37 uniles in breadth, lies between $58^{\circ} 4^{\prime}$ and $59^{\circ} \mathrm{N}$. lat. $22^{\circ} 20^{\prime}$ and $23^{\circ} 8^{\prime} \mathrm{F}$. long. It ia comprehended in the Russinn province of Esthonia, and is divided hy a small channel called the Sele Sund, from the island of Oesel which lies to the sonth. Its area is 434 squaro miles. The mhahitanta, about 10,000 in number, aro Esthonians; they are employed in husbandry, grazing, and fishing. They also earry on a little trade by the port of Tewenhaven, which lies on the western sido of the island near Cape Dagherort. The coasts arc cliffy, and shonls render the approsch dangerons. There is lighthouse near tho villago of Dagherort. The Sweden, to whom the Danes celed Dagho in 1645, ecaled it in their turn to Ruseia under the treaty of Nystadt, in 1791.

DAllOMY, acelebrated and for some time powerful negro kingdom of Western Africa, lyiug inland from the part of the coast of Guinea called the Slave Coast. It is bounded west by Ashantee, from which it is divided by the river Volta, and extends east to the Niger. Its monthern boundary is the eca, the principal port being Whydah, but Lagoa, I'orto-Novo, Badagry, the Popoes, and the Nert, have petty kingw of their own; and it extends to the base of tho Kong Mountains. From east to west the territory extends abont 180 miles, and from Whydah on the coast to the northern boundary nearly 200 milea, Its capital, Abomey, is placed iu $7^{\circ} 59^{\prime} \mathrm{N}$. lat, and in about $1^{\circ} 20^{\prime}$ 1: long. The city contains about 30,000 iuhabitants, which number is greatly increased at the periods of the festivals being held. It is about eight miles in circumference, surrounded ly a ditch, and entered by six gates, formed of a clay wall, through which are two openings, one for the klog exclunively, the other for the people; each opening is ormamented with skulls, and lnside them are piles of akulls of men and benta. In the town are soveral batteries, and on the coastroad about a mile from tho town are two 32 -pounder carronades, all uselemly pinced for parponce of defence. There aro no shops, but two largo and several manll marketh. There aro three royal palacen, and ecternl harge housea for the ministers, all surrounded by high red clay walla, laclowing large ppaces for parks or gardens. The houses are only of one story, with the exception of two in the royal palaces There aro no rtrecta, m each house mands within its own inclosing lirick wall. There are barrackn, a pottery, and a dyohonse, and numeroun fetiah homea Witbla the town thero in much waste land and some farman under cullivatlon. A great drawback on the town is the insufficient supply of water, which is only to be procured from nome small cozy reverroirs at wonc distance on the plain, and from ruin-water collectod in pita mmeared with palin-oil.

Even the name of Dahomy may almont be mid to have been unknown in Europe till some time anor the beginning of the last century. Imama, which was thought to be the mame kingdom, is ladeed mentioned by Leo Afrionnus along with eeveral others, of
is found placed where Dahong lies iu several maps published towards the end of the 16 th centary. It occurs so placed even in the "Maps of Sir Jona Moore's Mathematice,' published under the care of Dr. Halley in 1681; hut in auother map pnblished by lialley in 1700 it is omitted, and it doen not again appear for a considerable time. The most recent accounts indeed now represent the whole of that part of Africa as occupied by other states. The Dahomans for the first time made their appearance on tho coast whero the liuropean entablislsments were lin the reign of their king Trudo Andati, or, as other acconnts call him, Gumlja Trudo, who is said to have sueceeded to the throne in 1703. This prince, who appears to have been a person of remarkable talent as well as of inordiuato ambition and warlike ferocity, having determined upon securing to himself a share of the European commerce, in forcing his way to the const eaptured in $1 \% 24$ the chief town of the kingdom of Ardra, tho most powerful state that lay between him and the sea. Here he found a Mr. Bulntrode Lamb, who resided in the place as factor for the English African Company. Lamb was detuined in captivity for nearly three years, but was treated with extraordinary kindneas and cousideration by the black monareh, who till now had never set his eye upon cither a white man or the sea. We belice the earliest account of Dahomy that exists is a very curious letter written by Lamb after he had been for some mouths in captivity to his superior, Mr. Tucker, governor of the English fort at Whydah (the Jnida of the French aud Fida of the Dutch). It is dated from Abomey in Novemher 1724, but did not appear in print till it was published at the end of a "New Voyage to Guinea' hy William Smith, Essq., which appeared at Londou in 1745. Smith had been ou the Slave Coast in the beginuing of March 1727, wheu he found that only a few days hefore his arrival the king of Dahomy had effected the conquest of the state of Whydah, lying along the coast, and bad laid in ruins the English, French, and Portugnese forts situated at its capital, Sabi. We have the continuntiou of the uarrative in the "Full Account of some Part of Gnlnea,' puhlished at London in 1734 by Captain William Snelgrave, who arrived at this part of the African const ouly a few weeks after Smith, and while the king of Dahomy and his troops still ocempied the territory. The narrative of Suclgrave, who visited the Dahoman camp, is exceedingly curious. In 1729 he made a sccond royage to the same const In the interval the king of Dahomy and the governors of the Ftench aud Finglish forts had again come into collision; and just before Suelgrave's arrival Mr. Testefole, the English governor, who had imprudently endeavoured to excite the people of Whydah to an insurrectiou against their Dahoman masters, bad been seized hy the latter and put to death. Snelgrave has from the lnformation of othera brought down his account to the end of March, 1 532, at which time a new quarrel had ended in the deatruction of the Duteh, English, French, and Portuguese forts at the town of Jaquin, the only other part of the Slave Coast where there were any European estahlishments Gnadja Trudo died this same year, and was succeeded by his son Bossa Ahadec. A work entitled - Memoirs of the lkeign of Bossa Alhadee, with an Account of $a$ Journey to Ahomey in 1772 ,' was published iu 1789 hy Mr. lRohert Norris of Liverpool, a person who had been engaged for eightcen ycars in the African trade. It was reprinted, with many corrections and additions by the anthor, in "The Ilistory of Dahomy, compiled from Authentic Memoirs, by Archibnld Dalzel, Esq., Governor of Capo Coast Castle, fto, London, 1793. This last-mentioned work hrings down the history of Dahomy throngh the reigns of Ahadee, a detestahle tyrant, the scourge of his own suhjects and the torment of all his neighbonrs, for forty years; of his son Adahoonzou Il., hy whom he was succeeded in 175t, and wbo continued his oppression and his ferocious wars; and of the first years of that of Arlahoonzon's son and successor Wheenoohow, Who monnted the throne in 1789. The contiuuntion of the history of Dnhomy for some jears farther is given ju a little work entitled "A Vogage to Africa, with somo Account of the Manners and Customs of the Dahominu Pcople,' by John M'Leod, M.D., 12 mo , London, 1820. Mr. M'Leod visited this part of Africa in 1803. At that time Dahomy seems to havo exereised sovereignty over all that part of the const of Guinca. The reigning klug was a younger son of Wheenoohew, the elder laving been set asido becanse one of his toes overlapped nuother. The name of the present king is Gézo. In 1848, when Lientenant Forbes weat to Abomes on a mission to procure the ahaudonment of the slave-trade, lie fonud the system of the slave-huuts in full rigour; nor could he prevail in his visit, as the ling fairly told lim ho conld not afford it, as the greater part of his rovenue was derived from that source. Tbe populntion of the kingdom, owing to its devastatiug wara, he estimates at uot more than 200,000 ; the regular army amounts to about 12,000, of whom 5000 aro Amazons, hut this is increased to alout 24,000 when the king takes tho field, and the camp-followers moro than equal the nrmy in nmmber. Tiese Amazons aro supposed not to mary. They live in barracks within the preclnets of the palace, and aro under the care of cunuclis; they have long disthguinhed themselves hy their fearless bravery, and not less by their sanguinary ferocitles. The wars, or rather slavo-huntw, are ammal, commeneing in November or December; aud are decided upon at tho customs, when the assernbled people demand to be led agaiust some town or nation which they name. At the cuntom or festival iu June 1850, mu expreditiou was demanded, for a second time, against A beahkeutah, one of the Amazons saying, "We aro uo longer women;
we are men. By fire we will change Abeahkeutah." This was undertaken in 1851, and was unsuccessful ; the Dahoman army was defeated, and a great number of the Amazons were killed. [Abeahieetar.] Since that event the Dahoman power appears to be broken, and they have remained quiet.

The region in which the kingdom of Dahomy is situated is a vast plain rising by a very gentle ascent from the sea. No river worth notice falls into the sea between the Volta and the Brass River, or Niger. The soil is a rich reddish clay, on which scarcely a stone is to be found of the bigness of a walnut. All who have visited the cosst, especially before the devastations of the Dahomans, describe it as a scene of matchless beauty and luxuriance. Its vegetable productions comprise maize and other farinaceous crops; yams, potatoes, pine-apples, melons, oranges, limes, guavas, and other tropical fruits; a singular fruit said to possess the property of communicatiug a swcet taste to the strongest acids and bitters; indigo, cotton, sugar, tobacco, Shea butter, palm-oil, spices, dc. Lieutenant Forbes says the Dahomans have considerable ugricultural knowledge, but are very indolent. Tho land though rich is highly manured, and in tho portions they cultivate they rival the Chinese, the men, unlike most Africans, labouring in the fields, the women only bringing water. They grow corn and beans intermixed, and in the palm-plantations are grown corn, yams, and ground-nuts. Their chief food is yams and cassada, with messes of meat and vegetables mixed with palm-oil and pepper, and corn-cakc. Their houses are of clay or palm-branches thatehed with grass. The country abounds with lions, tigers, leopards, hyænas, elephants, the natakoo or African wolf, monkeys, buffaloes, deer, sheep, goats, hogs, both wild and tame, and several varieties of poultry. It is also infested by boa snakes of immense size, and other kinds of serpents; and there are alligators and hippopotami. White ants and mosquitoes are an abundant source of aunoyance. Granite, sandstonc, chalk, and iron are found in the country. The government of Dahomy is as absolute a despotism as has anywhere existed, and authority is maintained by the sliedding of blood at a rate which has been approached nowhere but in Africa. The customs or festivities held at the court of the monarch on occasion of the annual receipt of duties or tribute, are of the same ferociously sanguinary character with those that take place at Ashantee. The most important are held in March and June. The regular season appears to be in April or May, but instances are mentioned of their lasting for three months, and in these cases they seem to begin earlier in the year. Tho chicf ornament of the royal residence is human skulls, of which, when a number was wanted to pavo a court or decorate a ceiling, it was not an unusual process to have some scores of persons massacred for the purpose. The principal trade formerly carried on with Dahomy and the subject states on the coast was in slaves; and since the abandonment of that trade on the part of the principal European powers which used to resort to this part of Africa, the commercial intcrcourse which these kingdoms hold with other parts of the world has become quite insignificant. The only money of the Dahomans consists of cowry-shells, of which a thousand are stated to represent half-a-crown English. Their language is the same with that of the people of Whydah and the other nations of the coast.
(Licutenant Forbea, K.N., Dahomy and the Dahomans; and the works named in the article.)
DAILLY. [Ayrshire.]
DAIMIEL. [Castilla-La-N゙ueva.]
DALE. [Pembrokeshire.]
DALECARLIA, properly DALARNE (the valley country), a former province of Sweden, which now constitutes the Falun Län, extends from $60^{\circ} 55^{\prime}$ to $62^{\circ} 12^{\prime} \mathrm{N}$. lat., $12^{\circ} 30^{\prime}$ to $16^{\circ} 40^{\prime}$ E. long. Its surfaco is 12,210 square miles, and its population in 1845 was 1 $\$ 5,333$. It borders N. on Meriedalen, E. on Gestrikland, S. on Westmanland, Nerike, and Vermland, and W. on Norway. It consists chiefly of the river-basins of the Wäster-Dal and Oster-Dal, which unite a few miles west of Falun to form the Dal. The Dal or Dal-Elf suns first south-east and then north-enst to the Gulf of Bothnia [SWeden.] About six or seven miles from its mouth it forms the cataract of Elfcarleby, the rival of the famous cataract of Schaffhausen in height and beauty. The Lake Siljan or Siljar, which is traveraed by the Oster-Dal above its junction with the Wäster-Dal, is 23 miles long and 15 miles broad, whero widest. It contains several fine islands. The Lake Runn, further east on the left bank of the Dal-Filf, is 10 miles long and 5 miles wide.

The mountain ridgo which divides tho sources of the two rivers Dal-Elf from Lake Famund in Norway, rises to between 3000 and 4000 feet above the sea. It is a southern offset of the Kölen range, and from it there branch off three ridges of considerable elevatiou. These rangen subside into hills before they reach the meridian of the Lake of Siljar. The country about this lake presents a pleasant intermixture of hills, valleys, and plains, and may be compared to the lower parts of Switzerlaud for scenery. But the whole country till preserves a considerable elevation, the surface of Lake Siljar being about 560 feet above the sea. The castern districts are also uneven, but the heights are rather round-backed hills than mountains, and are usually covered with wood. Numerous lakes of different size lie between them. It is only on the borders of Gleatrikland that plains of any extent occur.
GEOB. DIY, VOL. ft .

The winter in this province is long and severe, the summer short and hot. Wheat does not succecd, but rye and barley and potatoes are raised. The produce however is insufficient for the demauds of the population, and the tender bark of pines is mixed with the bread, and also used as fodder for cattle and hogs. The usual domestic animals are reared, but hogs are rather scarce. Game is abundant. Wolves and bears frequent the numerous and extensive forests. Fish abounds in all the lakes, except those near Falun. The forests consist of birch, ash, aspen, pines, and fir, but they seldom grow up to timber-trees.

Near Falun are found copper, silver, gold, and brimstone. The copper-mines west of Falun have been worked for morc than 600 ycars; they formerly yielded 3000 tons of copper annually. The ore is smelted at large works in Falun. The fumes from the metal destroy all vegetation in the vicinity of the town, although these are said not to be injurious to animal life, and are supposed to have protected the town from the ravages of cholera Porphyry, quarried on the Oester Dal-Elf, is made into vases, candlesticks, \&c.

Except in the neighbourhood of Falun, to which place they are attracted by the mines, the population is dispersed over the country in villages, some of which are of cousiderable size. The Dalecarlians are distinguished by their stature, couragc, spirit of independencc, and frankness of character. The part which they took under Gustavus Vasa (who worked in the copper-mincs of Falun) in liberating their country from the tyranny of Christian II. is always fresh in their memory, and makes them feel proud of their name. Many of them emigrate to Stockholm during the summer, and manufacture funcy basketwork, clocks, watehes, \&c.

Falun is the chief town. [Faldx; Sweden.]
DALGETY. [Fifeshire.]
DALKEITH, Edinburghshire, Scotland, a market-town and burgh of barony in the parish of Dalkeith, 6 miles S.E. from Edinburgh by road, and 8 miles by the Edinburgh and Hawick railway. The population of the town was 5086 in 1851. The affairs of the burgh are administered by 15 trustees. The town stands on an elevated piece of ground, between the rivers North Esk and South Esk, and consists of one principal thoroughfare, and several small streets. The town is clean and generally well built; it is lighted with gas, and well supplied with water. Felt and beaver hats, straw hats, and woollen stuffs are manufactured, and there are corn-mills, a brewery, and a tan-work. The corn market held here is one of the most important in Scotland. The parish church is an old gothic building in the principal street. Attached to it is an ancient chapel containing the recumbent statues of an Earl of Morton aud his lady. Adjoining this choir is the morthary chapel of the Buccleuch family. A spleudid new church, in the early English style of architecture, was built in 1810 by the Duke of Buccleuch. It is cruciform, and has a steeple 167 feet high. An elcgant episcopal chapel is situated within tho grounds of Dalkeith palace. The Free Church, United Presbyterians, and Independents, have places of worship. In the town are two libraries and a savings bank. Dalkeith palace, the seat of the Duke of Buccleuch, is an extensive structure, surrounded by a splcndid park and grounds. The mansion contains many fine paintings. The North Esk and South Esk unite their waters in the park, a little way beyond tho palace, which is situated on an elevated peninsula forrised by the two streams. The regality of Dalkeith belonged to the Grahams in the reign of David II. It afterwards passed into the hauds of the Earls of Morton, and about two centuries ago was purchased by an ancestor of the Buccleuch family. Charles Edwary spent two nights at Dalkeith after the battle of Preston Pans, and the palace has been visited by George IV. and Quecn Victoria.

DALMATIA, the Kingdom of, the most southern possession of tho crown of Austria, consists of a narrow maritime tract aud numerous islands, forming part of the eastern boundary of the Adriatic, and lying between $42^{\circ}$ and $45^{\circ} \mathrm{N}$. lat., $14^{\circ}$ and $19^{\circ}$ E. long. It is bounded N. by Croatia, E. by the Turkish sandshak of Iskenderin, S. and W. by the Adriatic. The circle of Ragusa was disjoined from the rest of Dalmatia by two tongues of land, the Klek on the west and the Suttorina on the east, which were held by Turkey; but these, after having long been a matter of dispute between Turkey and Austria, were ceded to the latter power in 1853, and the whole territory now belongs to Austria. The area, inclusive of the islands, is about 6000 square miles. The population in 1850 was 393,715 , exclusive of course of the inhabitauts of the two narrow tongues of land then held by Turkey.

Surface-Dalmatia is divided into four circles, Zara and Spalato, which constitute Old Dalmatia, and Ragusa (the territory of the former republic of that name) and Cattaro, which form New Dalmatia. The whole surface of Dalmatia is a serics of mountain ranges, some of which exteud cven into the Adriatic, and form islands with their loftier summits. With the exception of the Vellebich ( 5439 fect high) on the Hungarian border, which belongs to the Julian Alps, all these ranges are continuations of the Dinaric Alps, The loftiest summits anong them are the Dinara, which is 5669 feet high, and gives its name to the main chain, the Svilaya, east of Dcrais, 4750 feet high, Mount Mosor, 4210 feet high, Mount Marian, on the peniusula next Spalato, and the Biokovo, near Macarsca, which is 5520 feet high. To the south of theso lie tho ranges of Ragusa aud

Cattaro, among which is the Dubovicma, the mont nouthern monntain in tho Auatrian dominions. The Montenegrin heighte eneirele the Oulf of Cattaro. In general chnractor the Dalmatian mouthins are bleak and bare: they are full of fissurea, ravinue, and chaums, and in many places altogether without soil. Limestoue is tho provailing rock. The numerous ialands which line the const have originated in the breakiug up, by some violent action, of maseen of clay and aandstone, while the livertone maves, beiug of firmer composition, have beeu left atanding. The whole live of coast is barron and nakod, except along the narrow tract between the Adriatic and the base of the mouutains; forests and underwood lie interspersed at their feet; the background is forsued by a continued line of dreary preeipitous heights, eeldom leen than 2500 feet In clevatlon. The coast in indented $\ln$ nuiuerous points, and affords a succeaion of excellent harbours The interior of the conntry if fnrrowal by glens and valleys, many of which are stony and sterile; even the plain extending from Novegrali to the Kerka is covered with stones. On the whole, there is no part of the Austrian empire which has eo wild and desolate an aspect as Dalmatia.

Delmatia is rich in mincrals, partlenlarly limestoue, gypsum, coal piteh, asphaltum, and seasalt No precious metals luare been discoresul, although Pliny (iii.) reports that the Dalmatian mines ylelded as much as 50 lbe weight of gold per diem in Neroin time. Thene mines howover cannot have been within the limita of the preseut territory of Dalmatim.

Hydrography, dcc. - Fuw couut ries are so poorly supplied with water, many parts being destitute of water fit even for the une of cattle : the islands in particular suffer greatly. The Dalmatian rivers run mostly from east to weat into the Adriatic. Among the larger streams are the Zermanya (aneiently the Tedanius), which enters from the Hungarian military frontiers, and after a course of about 27 miles falls into the bight of Morlael, near Novigrad. The Kerka (anciently the Titius), which rises above Knin, issuing from a grotto, and forms several enscader and five magnificent falls, particularly that by Scardona, in its course of about 31 miles; After receiving the Cicole, it flows iuto the Adriatic near Sebenico. The Celtinu (Tilurus or Nestuz), which aprings from the foot of the Yerebiza, near Vrilo, bas two falls in its course of about 60 milen, one of which, near Velika-Gubowicja, is from 90 to 100 feet in height: the bauks of this river are extrennely wild, and generally precipitous, until it reaches a fine ralley near Amima, where it enters the Adriatic. The Narenta (Naro of the ancienta), the broadeat river in Dalmatin, enters it from Turkey, and after watering it for about ten miles, parts into two channels at Fort Orie, and reachen the canal of Narenta through teri arma 1 te waters aro saltiah until it reoeives the Norin at Torro di Norin. Among the emaller rivers are the Sinkotina and Ombla
The islands along the Dalmatian coant form neveral fine channels, which are sheltered from the atormy wares of the Adriatle: they aro here called canals, and tuke their namea from the adjacent inlands; such are the canaln of Morlak, Quarnerola, Zare, and Pasman, Mezzo, Spalato, Lissa, Curzola, Narenta, \&o.
Dalmatia bas numerous lakes, all of which become more or less dry In hot weather, oxcept the Vrana, to the southeast of Zara, which is separated from the Adriatio by a narrow tongue of land, containa an area of about 8570 acrea, and han brackish water. The lakes of Norigrad, Yezero (the dry bed of whlch la at times cultivated), Narin, Kadin, Trocklian, Prolosaz, \&c, become dry at certain seasons from the want of natural springs. None of the numeroun mineral apringe have yet been turned to account, except the warm sulphureous springs at Spalato and Salone.
The roads are gonerally pretty good. There are no rallwayz
Climate, Soil, Productions.-No other part of the Austrinn domiulons is no hot as Dalmatim. In the lowlands the dato-bearing palin, the American aloe, and the Oactus opuntia thrive in many districts in the open air. The slmond blossoms in January. Among the mountains, where the enow mornetimes continuen till May and even June, the climato is much Bleaker. Near the coasts of Zars, about the canal of the Narenta, and elsewhere on tho Adriatic, the exhalations whieh arine from extenive swamp render the climate very unhealthy. $W$ inter is characterised by six weoks of unlnterrapted rain.

The arid character of the soil rendors Dalmatia ou the whole unsulted to agriculture. But there nre parts of the country, such as the datricts around Derais, Muk, and Sign, whiels might be cultivated with succem but for the indolenco and ignomanoe of the people. The Want of water and nheltering woods is another obstaclo to cultivation. Turkey and Hungary mupply the comtant deficiency in the erops of grain, whlob do not furninh more than six or at zonet elght monthat concarmption. The whole amount of arable land In 1846 was only 348,025 linglish zorea, of vineyards 160,216 ecrea, mendows 30,378 horen, olive grounda, $\$ 8,407$ noren, whilo there were $1,361,405$ aeree of pmiturolaud andl $1,105,811$ acrew of woodlands. The quiantlty of grain grown in the mome year was, in linglinh quarters - whent 16,039, rye 6109, barley 85,751 , oath 9818 , and maize 30,094 . Of potatoen 28,747 buhhela were grows.

Figs zay be termed almout the staple produce of the oountry: they grow without cultivation all along the const, and upwarde of threequarters of a milllon of pounds are annually exported. The oll in of quyerior quality, and in used by the natires instead of butter; yot
aiveve 20,000 barrels are annually exportod. Much whe of a atrong quality in made ; the doeper the oolonr the more powerful the liquor: the Vino Nero, a red wine, is nourly black, and the white wine as deep in colour ae Jalage : the Marzenin del Teodo is the best The quantity of wine unde in 1550 was $7,047,720$ gallons. About $1,000,000$ gallona are retained for hame consumption; the reat is exported to Fiume, Trieste, and Venice. Almand, dates, dried currante, citrous, pomegranates, orangen, and other fruits are exportod. Tho country abounch in timber, but being in the interior it in of comparatively little value. The coast fialieries omploy about 8000 hands : the staple Linds of fish are the sardine aud the tunny, hoth of which are exported In a dried or salted atate. The rivers too are well supplied, partieularly with the salmon-trout, which attaine an enormonesize. At nome spots the coral fishery is productive, especially near Sabenioo. The Morlake couvert the fat of the frog into an oil, which they enploy for various purposes. Honcy and wax are produced in nome quantities.
The reariug of cattle is on a limited scale : the breeds aro inferior and small ; the whole stock of osen and cows is ander 100,000; of sheep about 700,000 , goats 100,000 , horwes and mules 20,000 . Swine are not numerons. Poultry, except geese aud ducke, are plentiful.

Of wild animale, Dalmatia possessen the ciaghlo, or wild dog, wolf, fox, and hare, but it has no deer. Swans, pelicans, falcons, vultures, owls, turkers, and other wild fowl aro abundant.

AJanufactures, Commerca, de.-The manufacturing industry of this country is very small, and scarcely adequate to supply its common Wants: it is confined to the towuspeople, aud its main brauchew are shipbuilding and the distillery of spirits, among which the liquor called Maroschino-lRosoglio has obtained Euronean oelebrity. llere and thero a little flax and cotton are spun; and amall quantities of woollen cloth, coverlids, housolinen, tape, and coarse oottona, twine, cordage, and nettings, moap, vinogar, leather, and hats are made. For every other article of necossity or comfort Dalmatia is deprendent on other countrion. Coals and graphite aro worked to some extent.
Favoured as Dalmatia is by ita gituntiou and numerous porta, lts commerce is comparatively small. The principal oountries with which it trader are the maritime provinces of Auatria, Italy, and Turkey. To the firat two countries it exports wine, olives, oils, brandy, fges, salt, pitch, bark, salted fish, hides, wool, wax, houey, fruit, \&c., and to Turkey the mame products, besides foreigu produce and manufuctures. It has also some transit-trade. Its returns from Turkey consist of horned and fatted cattle, cheese, wools and hides, corn, wood for fuel, druga, ta. The declared annual value of the exports averages somewhat under $500,000 \mathrm{l}$., of the imports about 400,000 . The Dalmatians are well known in the Adriatio and Mediterranean as ex cellent mariners. The best ships are constructed along the coast of Cattaro. The vessels belonging to Dalmatia in 1847 amounted to- 5 shipm, with an aggregato burden of 1350 tons s large coasting veseels, 240 , of 7876 tons; small coasting reasels, 1121 , of 8220 tous; and 608 fishing-vensels, of 1769 tons : in all 2035 remeels, of 19,215 tons.

Number of vesels entercd at Dalmatian ports in 1817.

|  | Inwards. |  |  |  | Outwards. |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Laden. |  | In Ballast. |  | Laden. |  | In Ballast. |  |
|  | Ships. | Tons. | ships. | Tons. | Ships. | Tens. | shipa. | Tons. |
| $\begin{gathered} \text { Ships in For. } \\ \text { trado } \end{gathered}$ | 317 | 40,841 | 66 | 11,302 | 807 | 45,803 | 103 | 12,008 |
| Large Coast. Vessels. | 1231 | 42,883 | 218 | 0,687 | 878 | 31,820 | 322 | 16,544 |
| $\left.\begin{array}{c}\text { Small Const } \\ \text { Vessels. }\end{array}\right\}$ | 4181 | 46,491 | 2187 | 18,405 | 2747 | 33,083 | 8688 | 31,728 |
|  | 5:62 | 135,718 | 2400 | 86,331 | 8027 | 110,302 | 1238 | 60,200 |

Divisions, Toons, dec.-Dalmatia is divided iuto four ciroles, named after their reapective capuitals Zara, Spalato, Ragusa, and Cattaro: and these circles are subdivided iuto 26 diatricta. The circle of $\mathrm{Zara}^{2}$ oomprisen the Quarnerio, Dalinatian, andl Culadio Iolauds; that of Spalato the islands of Zirona Grande, Bua, Solta, Ilsma, Brazza, and Leniua; sud that of Ragusa the islauds of Calamotta, Meledn, Lagosta, Curzola, and Jelagosa Maggiore. Dalmatia containa O muniolpal towna, 14 market-towna, nad nenrly a thousaud villages.

Thic town of Raousa and Sbalato, or Sralatro, will be noticed under their reapeetive titles: the other more important towns we notice here:-
Zara, the capital of the cirole of Zara and of the kingdom of Dalinatia, situatod in $14^{\circ} 8^{\prime} \mathrm{N}$. lat. and $15^{\circ} 15^{\prime}$ E. long., lioe, In the form of an oval, on a narrow tongue of land whiloli is neparatod from the conthent by a deop mont, over which there is a drawbrldge. The city is divided by a straight maln stroot and a oroms strect Into four quarters ; the other atreets are atraight, but narrow, ill-paved, and without sewere ; the town is very badly supplied with water. It lan two large squares, and, lueluding tho suburba ('Borgo intorno' and 'erizzo,' or Albauian Village), about 8000 Inlisbitants, most of whon apeak Italinn. Of the sir charches (in whieh there are many good paintinga) the most worthy of notice are the cathedral, founded by Henry Dandolo,
doge of Venice, which is a rather fine example of the Lombardic style, and that of St. Simeon, the patron saint of the city, whose remains are deposited in it. Zara is strongly fortlfied; the harbour is of considerable sizo, bnt shallow; vessels of 300 tons have to lie in the open sound. The principal trade is the import of manufactures from Trieste, and the export of maraschino, anchoties, almonds, and the other products of the district. Zarn is the seat of the government of the province, of a court of appeni, and various subordinate offices; and the reaidence of a Roman Catholic archbishop. Among the public institutions and establishments are a lyceum, a gymnasium, an archiepiscopal seminary, a normal high school, a public school for females, a school of midwifery, a lying-in and a foundling hospital, a civil and military hospital, a naval and military arsenal, a theatre, a casino, \&c. There are several distilleries of rosogllo, which is highly esteemed. Most of the inhabitants however derive their subsistence from the fishery among the neighbouring rocky islets (scoglie), on several of which a little flas is grown.

Cattaro, the capital of the circle of the same natne, stands at the foot of a steep mountain, at the south-eatern extremity of the Gulf of Cattaro, $42^{\circ} 25^{\prime}$ N. lat., $18^{\circ} 48^{\prime}$ E. long. : population about 3000. The town is defended by walls and a fort. The streets are nartow and gloomy. The principal buildings are the religious edifice, consisting of a cathedral, a collegiate church, serenteen other churches, and six convents, all belonging to the Roman Catholics; there are also two Greek churches, an hospital, a gymnasium, the residences of the governor and the bishop, and some government building. The bazaar, or market, is outside the enstern gate; it is supplied with provisions by the Montenegrins. The harbour is onc of the best in the Adriatic, but is little frequented by shipping.

Curzola stands on the north-enst coant of the island of the same name, population about 2000 : the whole isiand contains 4265 inhabitants, chiefly employed in fishing and maritime occupations, or in the cultivation of the vineyards and the making of wine. The town tn the seat of a bishopric. It is surronnded by a wall, and contains a cathedral and two monastcries. There is a good harbour. Mfacarsca, 84 miles S.E. from Spalato, population about 1 h00, is a small town with some coasting and fishing trade; it was once the capital of a republic. Perasto, on the bay of the same name, 6 miles N.N.W. from Dalmatia, is a small sen-port town of about 1800 inhahitanth. Sebenico, population with the suburbs about 5000 , is situated on a bay of the same name, which is formed by the river Kerka, before it falls into the sea. The bay, which forms a large and excellent harbour, is connected with tho sea by the channcl of St. Antonio, anarrow stralt between lofty rockn. The town is built on the declivity of a mountain, rlsing amphitheatrically from the sea, and has a striking appearance; but the streets are uneven and irregular, and the ascent to some of the higher parts of the town is by steps. The walls of the town are oid and decayed, but there are two forts which lie above and command it, and the harbour is defended by the new and strong fort St. Nicolo, built on a rock at the mouth of the canal. Sebenico is the see of both a Roman Catholic and a Greek bishop. The large cathedrml, of Lombardic architecture, is accounted the handsomest in the whole country. There are two Roman Cathofic churches and one Greek church, three monasteries, and two nunncrics. The adjacent country produces abundance of wine and oil. The inhabitants have distilleries of maraschino, and are reckoned excellent sailors. The coral fishery in the neighbouring seas is now abandoned. Trau is the chief town of a district of the same name, in the circle of Spalato: population about 3000 . Trau is built on a small island, which is convected with the continent by a wooden bridge 50 paces in length. Ou tho other side there is a channel 350 feet broad between it and tho fsland of Bua, with which it is connected by a mole, with a drawbridgo to allow ships to pass, the numerous coasting reascls preferring this channel to tho opeu sea. Trau is an old ill-built town, with narrow crooked streets. It is the seat of a blshopric, has a handsome cathedral, several other churches, three convents, and an hospital. Tho ancicnt citadel and fortjifcations are now in ruins. Therc is a small pretty good harbour, which is now not much frequented. Tho inhabitants have a rather conslderable trade in the produco of the country,-wino, olives, figm, almouds, and other frults ; these frults are produced on tho island of Bua, which is five leaguee in length, in great abuudance.
Government, Education, de.-The general adminlstration of affurs in Dalmatia is resterl in the Gubernium, or government-boani, establiwhed at Zara, which recelves its instructions from the Chancery and mininter of tho Home Department in Vleana. Fach circle is divided into districte ; cach district into 'Hauptogemeindct,' or head communitles; sad each of the latter consists of 'Unter-gemeinden,' or mbordinate communities. At the head of each circle, in civll matter, is a 'I'retoria;' of cach head communlty, a 'Podesta,' or 'Sandako;', and of each Eubordinato community, ' 'Capo-villa,' or 'Casnazzo' In each circle is a court for tho trial of civil and crininal casen, aypeal from these courts being allowed to the supreme court at Zam.
The revcnues of Dalmatia arise from the imperial domains, the regalia, which include the monopoly of malt and tobacco; the afrect and indirect taxer.
The majority of the inhabitants are descendants of the Sclavonian hordes, who invarled these parti in the 7th century and drove out
the old inhabitants. The language of the country is the Herzogovine dialect of the Sclavonian, but Italian is the prevalent tongue among the well-educated classes, and is used in the public offices and courts. The remainder of the populatiou is composed of Italians, who are spread throughout the maritime towns and sea-coast Bosnian Greeks and Servian Morlaks, both of whom took refuge here from persecution in the 14 th century; and a few Germans, Jews, Greeks, and gipsies. The Morlaks or 'Moroflachi,' that is, Servians, who dwell next the sea ('Moro'), inhabit the mountain-districts of Zara and Ragusa and some of the islands: the wild Montenegrin is of this race. The population of Dalmatia lncreases but slowly: in 1808 it was 305,671 , in 1825 it was 323,112 , and as already stated in 1850 it was 893,715 . In general the Dalmatian is of good stature, muscular, robust, hardy in his habits, and frugal in his diet; he lives much in the open air and under tents. The poorest man drinks his wine, and eats his salad, fig, and melon; he is hospitable aud talkative but eunning, and addicted to lying and theft.
The Roman Catholic (which is the established) religion is professsd acoording to the last census by 331,692 of the inhabitauts. The ecclesiastical establishment consists of the arehbishop of Zara aud the 5 bishops of Spalato, Ragusa, Sebenico, Lesina, and Cattaro. The inhabitants who profess the Greek faith, 78,858 in number, are in chnrch-matters subordinate to a bishop resident at Sebenico and the vicar-general at Cattaro. The number of Protestunts of all sects returned in the census was only 28 ; of Jews 410.

The Austrians found the country in a wretched state of ignorauce, for the Venctians had done nothing whatever for its intellectual improvement. The Austrian government has extended to Dalmatia the system which prevails through a large part of the empire. [Aubtria.] A normai seminary and school for girls have been opened at Zara; nationai schools of a superior olass have been established at Spalato, Macarvea, Ragusa, Cattaro, Sebenico, and Lesiaa, independently of the schools attached to the convents. And for ths more affluent classes, gymnasia have been instituted in Zara, Spalato, and Ragusa, and a lyceum or species of univervity at Zara, in which town there are likewise an ecclesiastical seminary, an obstetrical school, and a college for educating 37 pupils at the public expense. In 1847 there were in Dalmatia 5 theologlcal aondemies, 3 schools of philosophy, 26 gymnasia, and 1 special school; in all 35 upper schools. The popular-schools, 252 in number, consisted of 7 head, 182 lower, 35 girls, 1 infant, and 27 adult schools. Of the 224 conmon schools for ohildren 52 were 'akatholische,' or not under the superintendence of the Romau Catholic clergy: 57 of the sehools were Italian only, 58 were Servian (Serbisch), and 119 were mixed. The principal benevolent institutions are the hospitnls and founding asylums at Zara, Scbenico, Spalato, Lebina, and Cattaro, and the infirmary at Ragusa.

Dalmatin derives its name from the Dalmatine, a small district between Sebenico and Seordona. Its territory in former days was much more extensive than at present. The Dalmatians long resisted the Romann, but Augustus brought them under the Roman dominion. (Strabo, p. 315.) After the fall of the western empire, the country became a prey to the Goths and Avari suocessively; and the Avari maintained possession of it until the beginning of the 7 th century, when they were driven out by swarms of Sclavonians. This people erected it iuto an independent sovereignty, which endured until overthrown in the early part of the 11th century by Ladislaus, king of Hungary, who annexed the whole of $i t$, the maritime towns only excepted, to the dominions of the Magyars. These towns, among which was Zara, the most important of them, had long heen under the reccial protection of Venice, which availed itself of the connexion to extend its sway over other parts of the country, and bring the greater part of Dalmatla under subjection. That portion which lay on the right bank of the Zermanya, and which Hungary retained, lost the name of Dalmatia altogether; and the samo occurred with regard to the portion which forms part of Bosnia, and fell into the hands of the Turks, by whom it was erected into tho sandshak of Hersek. The Austrians acquired the Venetian part of Dalmatia in 1798 under the treaty of Campo Formio. Dalmatia was seized by Napoleon in 1805, and in 1808 tho republic of Ragusa was by him suppressed, and the territory added to Dalmatia. On the fall of Napoleon in 1814 the Austrians held possesslon of Dalmatia, including Ragusa, which they have since retained.
(Blumenbach; Von Lichtenstern; Hassel; Stein; Roprer; Dic osterveichische National Encyclopddie; Uebersichts-Tafeln zus Statistik dev esterreichischen Monarchie, Wien, 1850; Paton, Highlands and Jslands of the Atriatic; Sir John G. Wilkinson, Dalnatice; Gotha Almanac, 1854.)

DALMELLINGTON. [AYRSHTRE.]
DALMENY. [LINLTHOOWBHRE.]
DALRY. [AYRSMTRE.]
DALRYMPLE. [AYRSUIRE.]
DALSTON. [Cumberland.]
DALTON-IN-FURNESS. [LAKCASEIRE.]
DAMAN (pronounced Damaun, 'the bor'der'), a district formerly of Afghanistan, now of the British territories in India, cxtends along the right bank of the Indus between $81^{\circ}$ and $33^{\circ} \mathrm{N}$. Int., and includes tho tract of country oomprehended between the Salt rango, the

Sulimasi rauge, the Judus, and Sungur in Upper Scinde. The nature of thia district is described uuder the head Apchasistax, vol. i., col. S6. Dera-1shmael-Khan, the capital of the district, sthnds on the right bank of the Indus, in $31^{\circ} 50^{\prime} \mathrm{N}$. lnt., $70^{\circ} 55^{\prime} \mathrm{F}$. long., and is inclosed hy a wall of unburnt hricks about a mile and a half in circumforenca. It hasa a populntion of about 8000 , composed of Beluchis, Afghans, Hindus, and Juts. Cotton tissues are exteusively woven here. The town has some trade, and is connected by a road along the Indus and through the Kolut Pass, with l'eshawur.

There is a town called Daman, or Damamn, in the west of Hindurtan, on the Gulf of Cambary, nbout 60 miles S. from Surat. It belougs to Portugal, and has several churches, a Parsee temple iu which the fire has been kept burning (it is said) for above twelve centuries, and a population of abont 6000 , who carry on some trade and build coasting ressels.
DAMASCUS (Damas ; Es Scham), the capital of Syria, both in nacient and modern times, is situated in a fertilo plain at the east base of the Antilibanus, ahout 180 miles S . by W. from Aleppo, and 60 miles from the Mediterranean, in $33^{\circ} 27^{\prime}$ N. Iat, $36^{\circ} 25^{\prime}$ E. long. It is one of the most ancient towns in the world, being mentioned as existing in the time of Abrabam. (Genenis, xiv. and xv.) It is one of the very few places which have maintained a flourishing existence in all ages. Though often taken and devastated it has always riseu agnin, aud has always been mentioned as one of the unost delightful situations in the world. It appears to have been in the time of David or of Solomon ( 1 Kings, xi. 24) the capital of an independent kingdonn, which afterwards under the name of the kingdom of Syria was engaged in wars with the Jews. It was subsequently annexed to the empire of Assyria, afterwards to that of Persia; it then fell into the hands of the Macedonians, the Romnns, and lastly of the Arabians, A.D. ©S4, when it was taken by the lieutenants of the kalif Abu-Bekr after the defeat of the forces of the emperor Heracliusin its neighbourhood. In the annals of the Church, Damascus is noted for the conversion and first preaching of St. Paul. It becaune for a time the residence of the kalifes, and after other vicissitudes was taken by the Turks under Sultan Selim. In the late war between the Porte and Mehemet Ali, pasha of Egypt, Damascus was taken by the troops of the latter, to whom it was formally cedod in 1833, but was restored to the Porte in 1840.
The pashalic of Damsseus extends from north to south, from Hamah on the Orontes down to the deserts of Arabia Pctrea, Bouthenst of the Dead Sea, a length of about 4 degrees of latitude; and it comprehends the country of Haouran, and the other districts on the east side of the Jordan, the Lake of Tiberias, and the Dead Sea, besides the greater part of Judeea west of the Jordan, including Jerusalem and Nabloun it is bounded F.. by deserts, which diride it from the valloy of the Euphrates, N. by the pashalic of Aleppo, and W. by the pashalic of Acre. Corn, hemp, flax, inndder, tobacco, cotton, silk, and cochineal aro the chief products. Live stock are numerous. Except in the west the surface is level, and the cultivable land is extremely fertile. The total populntiou execeds half a million, exclusive of tho Beduins.
The view of Datnascus from the ncighbouring mountain of Salcyeh, ans ofset of the Antilibanus to the north-west of the city, is very impressive: it comprisen the town, with its numerous domes and minarets; the extensive woods, orchards, and gardens with which it is surrounded, elotbed in perpetual verdure of varions hues; and beyoud it the rast level plain stretching to the cast farther than the eye can runch, and bounded to the south-east by the distant mounthinn of lleouran, the ancient Auranitis. The rivers Barada and Phege, rempectively the Abann and Pharpar of the Old Testament, descending from the mountains furnish the clty and the plain of Damaseus with a constant supply of water. The wator of the Barada, which in not good for drinking, is distributed into numerous canals for irrigation, and in the main cause of the extmardinary fertility of the country. The Phege however has delicious water, which is convejed by aqueductes and pipes to all parts of the eity. Tho two atreama rine at the castern base of the Antilibanua. The scanty nurplus of their wators below Danascus forms a smalt lake callod Bahrel-Merj. The town ia about nix miles $\ln$ circumference, is surroundod by old hrick wall falling to ruin in several places, and contalned in 1813 a population of 111,552 , of whom abont 12,000 wero Chrintians and 5000 Jewn. The rest are Mohammeden Syriane, Arabo, and Turks. Outadde the walls aro extensivo sulurbis. The streen are narrow, and many of thein havo a gloomy, dilapidated appearsice, being tined with dead hrick walls, which are entered by mall doors that open Into the courta of the respectlve housen. Many of these hounes are aplendid in the Interior, the courts being pavod with marble and kept cool by fountains. Thero are $n 0$ carriages in Damnecus, and hut few carts; camele, hormon, mules, and nsses couatituting the means of conveynace. The Molnmmedans of Damascus are tho mont fanatical and intolorant in Turkey, as they lave proved by their frequent mamerres of the Christian libabitanta

The city contains many handnome monques, the principnl of whleh, originally a Christinn cathedral dedicated to St. John, is 650 fect long and 150 feet wide ; three Franciecan conventa, In which the archbishopm of the Armenian, Melelate, and Syrian Catholica respectively reside; sercral Christinn churches belunging to the

Greeks, Maronites, Syrinns, and Armeninns; eight synagogues; an cxtensive khau; numerous bazanrs all woll supplied with goods; various hospitals and sehools ; a large serai, or fortified palace, in which the pasha rosides in the ceutre of the city; and an extensive citadel. The great khan is a mumptnous huilding, the masonry boing formod of alternate layers of hack and white marble. The apacious square court within has a handsome fountain in the middlle, and insurroundod by a fine arcade of pointed arches, enriched with mouldings. On the grouud.loor are the eutrances to chambers and magazines, and a stnircase and gallery leal to another series of apartments above.

Damascus is a place of great trade, which is carried on by caravans to and from Baghdal, Mecea, Aloppo, \&c.; there is caravan communicatiou daily to Beirut, Tripoli, and Aere. British and European goods are imported to a considorable amount. Iu 1835 (according to Messra. Michaud and Poujoulat, 'Correspondence d'Orient,' there wore in Damascus 129 tauners' ahops, 22 establishments for printing stuffs, 75 dyers of stufs, 120 dycrs of silk, 34 honses of silk-winders, 743 merchants of damask eloth, 211 grocers, 68 tobacco manufacturers 72 saddiers, 11 tent merchants, 47 eopper-miths, 50 ironmongers, 54 farriers, 70 fur-merclants, 98 lacemen, 24 corn-merchants, 14 S bakors, 58 millcrs, 122 colfeo-houses, 32 confoctioners, 59 public baths, 129 butchers, ' 11 tailors, 43 shops for pipes, 6 watehmakers, 200 haberdashers' stores, 4 glass-manufactories, 19 armourers, 4 soap-factorics, 143 weavers, and more than 400 publio cooks. The manufacture of Damnscus blades, once so famous, has declined long since: hut good sabres are still made. Saddles and hridles, both rich and highly fiuished; fine cabicet-work, inlaid with irory and mother-of-pearl; and rich jewellery, are among the articles of Damascene induatry. Tho city in the seat of a trihunal of commerce. About 1000 looms wero employed a few years ago in the mauufacture of silk and cotton gooda The bazaars are better lighted, and have a more elcgant appearance than those of Cairo or Constantinopla. Every class of commodities has its own street or bazaar: in ono they sell uothing but shoes, another is occupied hy the goldsmiths, \&c. The town is well supplied with snow and ice from the neighbouring mountains; ice-water, mixed with the juice of figs or currante, is a favourite beverage. The best coffee-housen of Damascus are situated iu the suburbs, on a branch of the Barada ; they are built of wood, aud are cool and well ahaded from the Buu, which is their chiof attraction.
Beirut is the port of Damascus. The exports and imports are giveu under that head. [Berrur.] The great Madji caravan, consisting of from 50,000 to 60,000 pilgrims from various parts of Turkey, goes every year from Damascus to Meoca. Foreign consuls reside ju Darnaseus.


British Museum. Actual size. Copper. Weight, $21: \frac{1}{2}$ grains.
DAMIETTA, a town of Lower Eggpt, on the right hank of one of tho priweipal hranches of the Nile, and about six miles abovo itm mouth, the ancient Phatniticum Oatium, in $31^{\circ} 25^{\prime} \mathrm{N}$. lat, $31^{\circ} 49^{\prime}$ E. long. Old Damictta (Thamiatis) stood ahout four miles farther uorth, and uear tho sea, which howover has now receded from it : its scauty remains are seen near the village of Hisbo, about two miles from the shore. Thamiatis was a small town in the time of Stephanus Byzantinus, hut it increased gradunlly from the decay of J'eluaium aud drew to itself the trade of the latter. It was takeu hy tho Saracens, who surrounded it with strong walls and made it one of the most counmercial and wealthy towns of Egspt. It was frequently takeu hy the early crusadera. In 1249 Louis IX. Inuded with a large armannent, and took Thamiatis; hut having advaneed iniand, ho was defcated and taken prisoner at Mansoura. The sultans of Egypt, in order to provent further attacks in that quarter, choked up tho mouth of the Nile hy sinking large harges, filled with stones, and thus formed a dangerous bar, which prevents large vessels from eutering the river. They aloo razed Thanlatis to the groand, and removed the Inhahitauts farther inland. From theso occurrences aroso New Damietta.

Damietta has a populatlon of nbout 28,000 . It has some fine mosques, several bazairs, and baths adornod with marble ; many of the houses have parilions ou the terraces for onjoying the cool breezo. But in general the town is ill builh. It now carries on merely a consting trado with the Levant, its general trado lavilug heen attracted to Alexandria. The zucrclinnt-shipa had to remain at anchor outside of the bar, and lond aud unload by menns of boata Rice and dried fish aro the chief articlos of exportation. The country around is a complete garden, irrigated by numerousjoanals, and plauted with all kinds of fruit-treen, sucla as orange, lemon, Qg, taunarind, pomegranato, \&c.

The great marshy Lake Menzaleh begins two or three miles east of Damietta, and extends about 40 milee iu length to near ancient Pelusium. It communicatee with the eea by eeveral mouths, and with the Damietta hranch of the Nile by canals. The fishery of Lake Menzaleh is very productive; various kiuds of water-fowl are also caught upon it.

DANUBE (in German Donau) ie the second of European rivers, being inferier only to the Volga. The root-eyllable (Dan or Don) of the name meane 'water ;' and this ie probably the case also with the root-syllable of Ister, which ie said to be the Ccltic name of the river. Its course ie about 1770 miles, and the eurface drained by it and its unmerous trihutaries probably exceede 300,000 square miles.

In ite long course from west to east it traverses nearly twenty-two degrees of longitude (from $8^{\circ} 10^{\prime}$ to $30^{\circ}$ E. long.) ; the most northern part of its basin falls ouly a little north of $50^{\circ} \mathrm{N}$. lat., and the most eouthern doee not reach $42^{\circ} \mathrm{N}$. lat. But though the countries drained by it do not extend over eight degrees of latitude, they differ greatly in climate and productione, a circumstance owing to the different elevation of the three great plaine which are traversed by this river. The most western, the plain of Bavaria, is between 1100 and 1200 feet above the level of the eea; the central plain, or that of Hungary, about 300 feet, and the lower plain, or that of Wallachia, from the Iron-Gate to its mouth, probably less than 100 feet.

Tho Danube riece from two springs, the Brig or Brigach and the Brego, on the eastern declivity of the Black Forest, in Baden, about 24 miles from the lRhine, near the point $48^{\circ} 6^{\prime} \mathrm{N}$. lat., $8^{\circ} 9^{\prime} \mathrm{E}$. long., at en elcratiou of 2850 feet above the een. The waters of the two eprings uuite and form a mountain torrent. A third stream, origiuating in a spriug in the palace garden of Donaueshingen, joins the infant river, which henceforth takes the name of Donau. Its general course at first ie to the east, but afterwards it dccliues to the northeast, in which direction it continues till it reaches Ratisbou. From this place to Efferding, some miles west of Linz, it runs south-east by east, and from Efferding its general course is east. At Ulm, where it is joined by the ller from the south, the river becomee navigable for large barges; its surface is here 1255 feet above the level of the sea, and at Donauwörth, where it enters the plain of Bavaria, 1160 feet. Before it enters that plain it runs for the most part of its course along the southern base of the dry and eterile table-land called the Rauhe Alp, which rises to an clevation of 2000 feet and upwards ebove its level, and contributes to it only a few rivulets. On the south numerous offsets from the Alps approach the liver, formiug hills of moderate elevation with gentle declivitiee, and incloeing charming valleys of great fertility. Tho aftluents which descend from these valleys to the Danuhe are numerous.

The Danube runs through the Bavarian plain from Donauwörth to Passau, changing nearly in the middle of its course from north-cast to south-east. At Ingolstadt it is 1140 feet, at Ratisbon 1050 feet, and at Passau 800 feet above the level of the sea. That portion which lies eouth of the river is an extensive plain, which reaches to the very foot of the Alps, and on which comparatively few hills and rocks are dispersed. It is traversed in a diagonal line by the Isar, which rises in the northern dietricts of Tyrol, and rune north-east to the Danube, which it joine between Ratisbon and Passau. Timber and fire-wood are fleated down the Isar. On the eastern boundary of the plain runs the Inn, which has been noticed under Austria (vol. i. col. 719). The plain north of the Danube has a much more uncven eurface, rising frequently iuto gentle hills, which however nowhere attrin the height of mountains. This plain extends beyond the boundary of the basin of the Danube, to tho very banks of the Mayn, and even to the north of thie river. Across this plain rune the Lndwiga Canal, which joins the Danube to the Mayn, and is noticed under Bavaria (vol. i. col. 936). Besides the Altmulihl this plain is traversed by the Naab and the Regen, two other considerable affluents of the Danube.

The third part of the upper course of the Danube is that between Passau and Pressburg. At Linz its surface is 650 feet, at Vienna 421 feet, and at its entrance into Hungary 417 feet above the level of the Black Sea. Through all thie distance it rune between the ateep offsets of the Bohmer Wald, and the northern ranges of the Alps of Salzburg and Styria, which here in some places attain a great elevation (from 3000 to 5000 feet). The level country on the banks of the river is of emall extent, except as we approach Vienna, where the mountains recede so far es to leave a coueiderable plain on both banks. In this part of its course the Danube receives the Traun, the Ens, and the Morava [Austria, vol. i. col. 719], and divides in several places so as to form islands, especially above and below Linz, and in the neighbourhood of Vicnna. But the current of tho river here, as well as in the lhavarian plain, ie so rapid that it can be navigated by barges only downwerds: the barges must be tracked up the river. It has no rapids, but several dangereus whirlpools. The regular stears navigntion of the rlver commences at Linz; but steamers aleo ply up to liatiabon, and even to Donauwörth.

In its middle eourse the Dannbe first traverses the Leeser Hungrian plain. At Presburg it is 401 feet, and at Buda, which lies in the Great Hungarian plain, 348 feet above the sen. In its course through the lesser plain the current of the river is still rapid, though much diminished. It divides into numerous branches, which incloso
islands, among which the largest is the islaud of Schütt, which is upwards of 50 miles long, and from four to nine miles across. As the adjacent country consists of very eoft alluvial soil, the river frequently changes its course. In this plain the Danube is increased by the watere of the Leitha and Raab from the south, and the Waag and Gran from the north.

Between Gran and Waitzen the river flows between two mountaiu ridges. That on the south is the northern extromity of Mount Bakeny, and on the north en offsct of the Carpathians, called the Neograd range. At Waitzen it issuee from the mountain defile, and changes its eastern into a southern course. In this direction it flows with a slow current and numerous wiudings through the greater plain of Hungary for nearly three degrees of latitude, till it meets, after its junction with the Drave, the Sirmian range, or Mount Werdnik, which again deflects it towards the east. It then skirts the Hungeriau plain on the seuth, dividing it from the hilly Slavonia and Servia, till it arrives near Moldova, where it again passes through a meuutain valley. During its course through the Hungarian plaiu its waters are increased by those of the Sarvitz, Drave, and Save from the west, and Theiss and Temes from the north. [AUSTRIA, vol. i., cols. 720, 721.] At Buda its surface is 348 feet, at Zambor 272 feet, and at Moldova probably not much more than 200 feet above the level of the Black Sea. Its average breadth between Waitzen and the mouth of the Drave is 600 yards, and its depth varies from 5 to 20 feet.

The mountain valley of the Demir Kapi (the Iron Gate) is fermed ou the north by the Banet range, an offset of the Transylvanian Carpathiane, and on the south by a lateral range of Mount Balkan : it extends from Moldova in the Banet to Tcherniz in Wallachia. In entering thie narrow valley the rapidity of the river gradually increases. About.four miles belew New Orsova, is the Demir Kapi, where a ledge of rocke runs across the bed of the river, over which the water rushes with great noise, producing below it a number of dengerous whirlpeols. Vessele drawing net more than $2 \frac{1}{2}$ feet could uot until lately descend it except in time of floods; but by blastiug the rocks a channel has been cut by which steamers now ply frem Vienna to Gelatz without a portage as formerly. Before these improvements iu the bed of the river were accomplished, passengers and luggage were sent down the rapids in cutters, or conveyed by a good road from the station of Drenkova to Orsova, where they were shipped in another steamer on the Lower Danube. At the Demir Kapi the Danube leaves the Austrian dominions end enters Turkey. A few miles lower down it issues from the valley, the country to the north sinks down to a flat, and the current of the river becemes slew aud gentle.
On the mountaine and hills which inclose the valley of the Demir Kapi on both sides are some Roman antiquities, the meet interesting of which are the ledges and shelves that supported the Via Trajana on the Servian eide of the defile, and the inscription on the rocky wall of the same eide in honour of Trajan. The limestone rocks on eech side of the defile abound in caves and fiesures in which the gnats and mosquitoes, the scourges of this part of the Danube, take refuge in cold or wet weather. The remains of the bridgo huilt by Trajan over the Danube are a short distance below the rapids of the Demir Kapi.

Along the lower course of the Danube the country on the south below the Demir Kapi by degrees einks into a flat plaiu : east of Silistria it presents nearly a level surface with eome ewamps. The country to the north is the great level of the Wallachian plein, which near the river is low and generally marshy, while the right hank is comparatively high and bold. In thie tract the river first runs nearly south from Tchernitz to below Widdin, then turns to the east aud continues in that direction to about 30 milee from the Blaek Sea, where it euddenly bends to the north near Rasova. In this direction it runs upwerds of 100 miles to the junction with the Sereth, aud hence again eastwerd to its mouth. In this part of its course the river frequently divides, and ferms numerous large islands, especially below Silistria. Its width, where it ie net divided hy islands, is between 1500 and 2000 yards, and its average depth being above 20 feet, it is navigable by vessels of considerahle burden. From the north it receives the Aluta, or Alt, Screth, and Pruth, which riso in the eastern Carpathians [Austria, vol. i. cel. 721], and from the sonth the Morava, which is formed by two large rivers, the western and easteru Morava, which drain a great portion of the nerthern declivity of the Balkan Mountains.
After having been joined by the Pruth, the Danube divides into eeveral branches, forming a number of deltoid islands, and flows into the Black Sea by seven mouths, of which the principel are the Kilie, the Sulina, and the Gheorghievskoi (St. Gcorge's, which forms the boundary hetween Turkey and Russia in this part): Bcsides these outlets a small branch from tho St. Gcorge mouth cemmunicates with the lake Rassein in the north of the Dobrudscha in Bulgaria, nud this lake has two outlets (Jalova and Pertitcha) into the Black Sca, which are sometimes called mouthe of the Danube. Round the emhouchure of the river vast quentitics of mud brought down by the stream have accumulated and formed banks; aud it ie only by constently raking the mud deposited ou its bottom that the Sulina or principal channel is kept practicable for shipping. When easterly winde centinue fer some time, the depth of water on the har of the Sulina month diminiehes rapidly, the incrensed reeistance of the sea agatnst a diminished
force of current causing the mud to aceumulate very frat. This cause added to the neglect of llumais in dredgiug the channel, as who is bound to do by trenty, has left at times ouly a depth of nine feet water on the bar. In such cases the com ablps on the Danulware obliged to take in the greater part of their cargoee outaide the bar by means of lighters, at greatly increased cost and risk. In the present apriug (1854) the Ruseians, at war with Turkey, havo bloeked up the Sulina mouth alfogether. The Turks kopt a depth of 16 feet Fater on the bar of Sulina: of late jeara the depth han seldom exceeded 18 fect. Insoian steamers ply up the Kilia mouth to Ismail. The St George mouth is almest entirely bloeked up with mud; in many partn it has not over 1 feet water, and its channel can bo reached through the mud banke ronnd its embouchure only by constaut sounding, so intricate and shifting is the parage. To avoid the tedions and difient navigation of the Danube below Inswova, it has been frequently proposed to cut navigablo canal from Czernavoda to the harbour of Kistenji on the Black Sea, a distance of little more than 30 mlles, and nearly parallel to the mocalled Trajan's Wall; but lt han been stated that the natnre of the ground presents very great if not insoperable obstacles to the execution of this project.

Stenm navigation was introduced on the Danube in 1830. Vessels of 100 tons ply up to Ulm. The 'up' navigation in rery tedious on account of the foree of the current in many parts of its course. The steam vogage between Vienna and Conntantinople is now made in seren days Besides it counection with the Rhine by means of the Ludwige Onnal above nentioned, the Danube commuuicates with the Elbe by the Moldau aud canala. Thim river forms perhape the greatest natural highway for commerce in Europe; but its advantages have been rastly abridged hy the rexatious tolls and still more rexatious manitary regulation imposed by the different staten through whieh it fows.

The Danube is frozeu over in winter in all its upper courve, and even In the plain of Hungary from Deeember to March. The breaking of the ice is a moment of great anxiety to the inhabitants of the towns on its banke. If the snow melts and the rains fall gralually, the river tiees slowly and the lee breaks off by a few yards at a time; but if a rapid thaw sets in, in the upper part of tbe stream before the lce has begun to Etir lower down, the river becomes wwollen suddenly, tosses the ice into the air with a Ioud explowion like artillery, and sweeps ashore iceberfs many tons in weight. So sudden in some seasons is the erash, that permons on the lee have not time to reach the sbore, and many lives aro lost. Whon this sudden tha* is apprehended, watclimen are posted on every ominenee aloug the banks of the siver, who gire notice all along the lise, by firing alnem-guns, that the leo is broken.

The Danube was known to the early Oreek-writers under the hanse of Istros ('Ioppos), called by the Romans Ister, which was probably the genuine name of this river in the lower part of ite courne, perhaps from the Iron Oate to the sen. The IRomans learned the name Danubiu: from the natives on the upper course of the Btronm, with whom they were brought into contact by commoree and by eonquest. Iferodotus (book ir., chap. 48, dc.) has transmitted to us ali that whs known in his time of the Dauube nod its tributaries in the middle and Iower part of its course. Strabo observes (p. 804), "the upper parts of the river and the parts at its source, as far as the entarnets, are called Danublus, and flow ehiefly through the country of the Daci; the lower parts, as far as the Pontus [the Black Sen], and in the nelghbourhood of the Getse, are called Istrus."

DANZ10, one of the four administrative circles of the province of Weat Pruasio, extends nearly about 100 miles along the liaitic, and is bounder N. by the Gulf of Danzig, F . by the eirele of Këuigsherg, W. by Pomerania, and S. by the circle of Mnrienwerder. Its area is 8229 square miles, and the population $\ln 184 \theta$ whs $400,68 \%$, almont Fholly composed of Catholles and Firnngelicaln, the ratlo between them being rery nearly that of uine to ten. Tho Jows number about 6000. The surface in mostly level, with a gradual slope fromt the banke of the Vintula to the laltic. The soil is ln mauy parts mady and awampy $;$ but in peneral it in productive, and aloug the Vistnla exuberantly fertlle. The produce consists of great quantitien of grain, regetables, and fruit. The circle contains about 800,000 acrea of woods and foresta. The reariug of horses and cattle, and the fiaheries along the comet afforl profitable oceupation to a large portion of the inhabitants. Amber is obtalned on the show la the Fleinity of Danyig. The principal rivere are the Vistula, Schwente, Borge (Wlich takee the name of Elbing before it falls Into the Frische Hafi), Thiene, and \$lotlau. The nemielrcular inlet of the Baltie aleng the coart of Weat and Fiast l'ruasla is called the Onlf of Vansig, which between the Brunterort light on the enst and the Ritckshbfen light on the west, hae a length of sbout 00 millem aml lta depth from the Ine joinlng thees point to the Frischo Nehrung (a varrow ppit that meparatea it from the Frimehe Hafr) is about 80 miles The north-westorn part of the gulf in called I wizig Bay, whieh la bounded on the northeant by a npit of land 20 miles long, With a breadth of ome to two milen, stretching out $\ln$ a mouth-east direction from the Rückshöfen light townrls the head of the gulf.
The chief manufnetures are wooliew, linen, loather, bect, and rapirita A very extentive trade la 00 m in carried on with forelgn eountries from the perte of Danis and Filling. Firm the Berlin,

Stettin, and Posen milway a branch runs eastward to luromberg in the villey of the Vistula, whenee a line muns up the left bank of thla river through Direolau to Danzig; from Dirachau a branch runs eastward through Marienburg and lithing to Königsberg.
The eircle of Danzlg is subdivided into neven distriets, which are named from the chief town in cach. Thene totrng aro-DA:zzo: Neustadt, 20 miles Nं.N.W. from Dantig, with about 2000 inhabitants : Kiarthaws, a small place W. of Danzié: Iilmiso: Darienbury, on the right bank of the Nogat arm of the Vistula, whlch fi here erossed by a pontoon brifge 546 feet long; the town is surrounded by a mampart, and contains a fine palace (which was onee the seat of the Orand Master of the Toutonie Order, and whs restored by the present klng of 1ruasia), several breweries, distllerien, tan-jamls, ootton and woollen factories, and about 6000 inhabitants, who export coms, flah, thinber, quille, bristles, de. S Sharyard, a walied town 26 miles S. hy W. from Danzlg, on the Ferse, which has dintillcries, breweries, tanyaris, and about 1000 luhabitants: and Behrend, in the weatern part of the circle, near the source of the Ferso, which has about 2000 iubabitants. Dirscheu, on the left bank of the VistuIn, 20 miles by milway S. from Danzig, has 3500 inhabitatu, who manufacture leather and beer. Putzig, is a small manufacturing town, 29 miles N.N.W゙. from Danzig, and near the head of the Bay of Putzig, which is named from it: population about 2200 ; industrial products broalcloth and iron. ware.
DANZIG, or GDANSK, $n$ fortifed eity aud mea-port of Pruesla, capital of the sdministrative circle of Danzig, in the provinee of West Prusoln, is aituated in $54^{\circ} 2 I^{\prime}$ N. lat., $\left.18^{\circ} 39\right\}^{\prime}$ E. long., on the left bank of the principal arm of the Vistula, about 34 suilew from ite mouth in the Baltioat Weichselmlinde, and has a population of about 70,000 lneluding its nine suburhs and the garrisons. The clty is traversed by the Motlan and IRalaunde, which flow by sevoral channels into the Vistula. The Motlau is deup caongh within the tomn to flost vessels of 8 or 9 feet draught, and botween the lowe1. part of it and the Vistula there is a harbour for Inrger vessels. liy tho mouth of the Vistula only small vessols can enter, as it ls inade shallow by eaudbars; but by a canal cut across a neok of lanil directly into the gulf, and having a breadth of 120 to 180 feet, with a depth of 15 feet, largo rebsels can go quite up to the town. The entrance to the canal is protected by piers that run out for about 500 yards into the gulf, in which there is exeellent nuehorage, good holding gcound, anul shelter ngainst all winds except the north-east and cast. Among the outworks is the Intrenched camp on the laland of Neufahrwasser, which covers the approach from the Baltic.
The first mentlon of Daneig oeeurs in the 10 th century, and it was long afterwands a bone of contention between the Daues, Sweden, Pomeranlan princes, and Teutonic knigbts. In 1454 it nouglit the protection of the king of Polaud, who recognived its independenee to the fullest extent, aud admitted its citreas to enjoy every right porsessed by the Poles themselves. In 1个83 it gave shelter to ling Stanislaus, but, after enduring firfous bombardment by the Russlans and saxous, was forced to acknowledgo Augustuß Il., his rival, as legitimate novereigh of Polnud. Prussia by her acquasitlons at lnst hemmed In thls little stato so completely, that in 1772 lus eommerce with the iuterior was almost anuihilated by heavy clues laid on lts exporta by that power. On the repartition of Polani in 1793, Danrig wam eompolled to ndmit a Prusalan garrisou, ant to make it usage harmoniso with the institutlons of its uew manters. From this time until the loveaking out of the war between Franee aud IPrusia in 1806, the town again rose to afluenee and prosperity, but it experieneed nnother reverso in 1807, on its falling into the bands of the lireneh, by whom it was besleged for four weeke, under the command of Leferre, subsequently Duke of Dansig. In the matne year the treaty of Tllsit erected the town and a murrounding tract of about 230 square milos finto a free state under the ancient Danzig code of laws Under the Froneli its trade wan ngain ulnost nnulhilated. In December 1813 Dansig enpitulated to the liussians and J'russians, after andege of eight mouths. On the 3rd of February following, the king of I'rusala what again recognfised as lts sovereign.
Danzig in one of tho strongent fortreeses and most flouriahing townh lin lruesla. Many ginits of it are ln a fine old atyle of building, though not regularly lnid out; but a grent number of tbe streets are nartow anil crooked. The fortifications consiat of ramparth, wot-ditelen, erosted by four dmwbrilgon, leading to as many gaten, uinuteen bastlons and the eltadel of Hagelalverg, and two strong foth on miljacent eminencen. By means of gignutic slulec. gates the conntry around the town on threo siden can bo laid under water. Within these defences the town is dividel Into six quartorn - the Altstadt, Voretarlt, Reelitatadt, Nederstadt, liniggarten, and Speicher-lusel-ant is about 2| milos In eireuit. Whthout the walls there are uine mburbe. The langgaten, the fincat quarter, is traversed lyy a bival handwomo streel, planted with line-trees; the Rechtintadt too has somo ppelous streets nud handsome houses; but the Altatadt (old town) is elone, dirty, and 111 -constructed. Thero are no spacious or regular muares. Tho Bpejcher-lnael contains the Atorehouses and inngasinew, whlel can contaln half a million quartera of com. There are alove 20 elurches $\ln$ the city: Lutheran, Reformed-Lutheran, sud Roman Catholic. The cathedral or Maricn Kirche is a remarkable eruciforta ediflee; it whs commeaced iu 1313,
and finished in 1503 ; the roof, which is 98 feet above the pavement, rests on 28 brick columns, and its exterior is ornamented with 10 small towers; it has a lofty steeple, and round the interior are 19 altars and 50 chapels, chiefly founded by citizens of Danzig as burial places for their families. A Dutch painting of the Last Judgment, hy John Van Eyck, is sespeuded against one of the columns. Among the other remarkable buildings are the exchange, called Arthushof, a large gothic structure erected in 1379 ; the senate house built about 1311; the Gruine Thor, now converted into a mnseum; and the theatre. There are also two Mennonite places of worship, two synagogues, and several convents in the town. Danzig has a royal school of navigation; a gymuasium with seven professors and a lihrary of 30,000 volumes; and a great number of endowed schools. It has a board of trade and navigation, a trihunal of commerce, a public lihrary, an orphan asylum, a foundling hospital, four hospitals, and an obscrvatory. There are yards and slips for shipbuilding; sugar refineries, spirit distilleries, hreweries, copper-works, and mant: factories of silks, woullens, linen, leather, hats and gloves, soap and atarch, earthenware, arms, steel ware, tobacco, \&o. Independently of these branches of industry, the town has a very considerable trade with the adjaccnt provinces and foreign parts, and exports large quantities of corn, timber, pot and pearl ashes, quills, Danzig brandy, black or spruce heer, zinc, wool, fiax-seed, oil-aake, bones, flax and hemp, \&c.

The imports are composed of wine, hrandy, rum, raw ootton, coffec, herrings, iron and steel-wares, indigo, lime and plaster of Paris, sugar, salt, tobanco, piece goods, coal. In 1849 the arrivals in the port numbered 781, the departures 809 . Of the former more than half were in ballast or limestone; of the departures 397 were freighted with corn, and 303 with timber. In 1850 Danzig exported 400,000 quarters of wheat, 62,400 quarters of ryc, ahove 10,000 quarters of barley, 2000 quarters of oats, and 27,700 quarters of peas.

Danzig is 260 miles in a straight line N.E.from Berlin; hut the distance by railway through Stettin is 344 miles.
DARABGHERD (Darab), a town in Persia, in the provlnce of Farsistan, ahout $26^{\circ} \mathrm{N}$. lat., $54^{\circ} 50^{\prime} \mathrm{E}$. long. It was formerly a town of great extent, but like many other towns in Persia it has fallen from its former splendour. Although a great part of it is in ruins lt still contains between 15,000 and 20,000 inhabitants. It stands ou the banks of a small river in an extensive plain, which is intersected with villages and cultivated lands. The town is surrounded with groves of clates, oranges, and lemons. The tohacco cultivated in its neighbourhood is esteemed for its mildness, and is largely exported. There are some antiquities in its neighbourhood, including the ruins of an aqueduct, some sculptured rocks, and a caravanserai, hollowed in tho rery heart of a mountain.
DARDANELLES are fortiffations erected on both sldes of the Hellespont, whicl from them takes also the name of the Strait of the Dardanelles. This strait, which divides Europe from Asia and unites the Sea of Marmarn to the Archipelago, extends in a south-west direction between $40^{\circ}$ and $40^{\circ} 80^{\prime} \mathrm{N}$. lat., $26^{\circ}$ and $27^{\circ} \mathrm{E}$. long. Its length is upwards of 50 miles, hut its width varies. Near the Sea of Marmara it is about 10 miles across, hut it narrows by degrees, until opposite the town of Gallipoli it is only about 2 miles wide. Towards the southern extremity it narrows still more, at some places even to one mile and less. A strong current runs always through lt from the Sea of Marmara to the Archipelago, and the Turks have erected fortifications at these narrow places for the purpose of rendering lt lmpossihlo to attack thelr capital from the side of the Mediterranean Sea.
The fortifications originally consisted of four castles, two iu Europe and two in Asia. Two called the New Castles are situated near the entrance of the strait from the Archipelago, where it is more than two miles across. The castle In Europe is called Kilid Bahr, and that in Asin, Kum Kalesi. About 18 miles farther to the north-east are the Old Castles; that in Europe, tho ancient Sestos, Is called Sed Rahr; that iu Asia, the ancient Abydos, Khanuk Kalesi. The name of-Dardanelles ls now especially applied to some fortifications erected in modern times between the castles, hut considerably nearer to the old than to the new castlem. The number of guns mounted in all theme fortifications and some others of less importance is 689 , besldes 8 mortars. Among them are several lmmense guns, from which they discharge stone-shot. The quantity of powder which these large guns require ls enormous; the largest is charged with 8301 bs .
1)AR-FUR, s country $\ln$ Africa, between Bornou and Ahyssinia, lying between $11^{\circ}$ and $16^{\circ} \mathrm{N}$. lat., $26^{\circ}$ and $80^{\circ} \mathrm{E}$. long. Its extent and boundaries are very imperfectly known.
It may be considered as a large oasis placed in tho south-eastern corner of the Sahara, and divided by deserts of considerahle breadth from Dar-Zuleh or Wadai on the west, and from Kordofan on the east. The southern part of the country is hilly, and contains valleys with hiooks and rivulcts which have water all the year round. But the northern part in a level country, partly covered with aand, and in other places by rockin: water in obtained only from wells. During tho rainy season It exhibits a fino vegetation, but during seven or oight months in the year the whole district is dried jp, all the plants farle away, and even the trees lowe their foliage.
The periodical rains commence in the middle of June and continue to
the milddle of September; they are generally very heavy, and mostly accompanied by lightning. The changes of the wind are not periodical hut instantaneous. The greatest heat prevails with a southerly wind, and the greatest quantity of rain falls with a southesst wind. When the breeze is from the north or north-west it is most refreshing, but it does not generally continue loug iu that quarter. When southerly winds blow the hot air is filled with thick dust.

As soon as the rains begin the agricultural operations commence. The grains raised are wheat, doku, kassob, and sesamum. They plant also beans, kidney-beans, lentils, and some leguminous vegetables peculiar to that part of Africa. Water-melons, together with some other kinds, abound during the wet season, and also before if they are irrigated. Among the fruit-trees are tamarinds and dates. Browne mays that tobacco is indigenous in Dar-Fur.

Neither horses nor sheep are numerous. The flesh of the sheep is Indifferent, and the wool resembles hair: they have not a large tail, like other sheep in this part of Afrioa. Goats are more pumerous. Asses are of small sizc. Cattlo form one of the chief branches of wealth, aud they are paid as tribute to the sovereign. Camels are very numerous, and of all oolours and sizes; their flesh is used for food.
The feroclons and wild animals are principally the lion, the leopard, the hyæna, the wolf, the jackal, tho elephant, the rhinoceros, the giraffe, the hippopotamus, crocodile, and buffalo. Antelopes, ostriches, and civet-cats are also common. Iron and copper are found in the southern districts; besides alabaster, various kinds of marble and common salt occur here. Nitre abounds, but is not used.
The population of Dar-Fur, which is estimated at from 150,000 to 200,000 , consists mostly of the descendants of emigrants from Dóngola, Sennaar, and Kordofân. Among thein are also some families from Egypt, Tunis, and Tripoli. They use the language of Barabra, though they also speak Arahic. Arabs are also numerous in some parts.
Colbe, Kobbe, or Qorbi, the capital, from whence the caravans or 'kafilas ${ }^{1}$ depart for Egypt, is two miles in length, extending from south to north, hut very narrow, and the houses, eaoh of which occupies in its inclosure a large portion of ground, are separated from one another by a considerable space. The town is full of trees of every kind, and contains about 6000 inhabltants, all of them merchants. Other places are Cubcabia, or Kubcabia, in the western district, the depôt of all the merchandise destined for Soodan and the general resort of the merchants trading to Egypt.
Dar-Fur carrics on some trade with Syout, in Upper Egypt. The kafilas travel only once in fifteen months, and pass by way of the great wady El-Khargeh; they consist of about 1100 camels carrying slaves, ivory, horns of the rhinoceros, teeth of the hippopotamus, ostrich feathers, gum, hides, drugs, copper, pimento, tamarinds, and leather sacks for water; also parroquets, monkeys, and guinea-hens. The caravans of Dar-Fur carry from Egypt silk manufactures, cotton cloths (striped, blue, and white), glass, glass wares, imitation corals, coral beads for bracelets, gold lace, Indian merchandise, spices, coffee, a little sugar, gum, benzoin, alum, tartar, oil of vitriol, verdigris, sulphur, nails, metals, corn, carobs, and fruit. The inhabitants are Mohamnedans, and are governed hy a despotic sovereign.
(Browne, Travels in Africa.)
DARIEN. [PANAMÁ.]
DARLING RIVER. [New South Wales.]
DARLINGTON, Durham, a municipal borough, market-town, aud the seat of a Poor-Law Union, in the parish and ward of Darlingtou, is situabed in a rich fertile country on tho eastern slope of a hill on the right hank of the river Skerne, in $54^{\circ} 31^{\prime} \mathrm{N}$. lat., $1^{\circ} 32^{\prime} \mathrm{W}$. loug.; distant 18 miles S. by E. from Durham, 241 miles N.N.W. from London hy road, and 235 miles by the Great Northern railway. The population in 1851 was 11,228. For sanitary purposes tho township is under the mansgenent of a Local Board of Health. There are three livings, which are perpetual curacies in the archdeaconry and diocese of Durham. Darhingtou Poor-Law Union contains 41 parishes and townships, with an area of 60,759 acres, and a population in 185 . of 21,560 .
The town conslsts of a square market-place, of which the church forms tho eastern side, and of several streets, or as tliey are designated gates, which branch from it. There is a bridge of three arches over the Skerne. The parish church, dedicated to St. Cuthbert, is a cruciform building, and has a central tower surmounted by a light spire The general character of the architecture is early English. In the chancel are three stone stalls of a date considerably later than the walls of the chanccl. The Independents, Baptists, Wesleyan, Primitive, and Associatlon Methodists, Quakers, and Roman Catholics have places of worship. The Grammar sohool, founded by Queen Elizabeth in 1567, has an income from endowment of 220l. a year, and had 78 scholars in 1852. There are also National, British, and Infant schools, and a Blue-Coat school ; a mechanics institution, a savings bank, and several almshouses. A county court is held in the town.
The trado of Darlington is considerable: for a long period the princlpal manufactures were of camlets and other woollens: about tho closo of last century moreens and similar stuffs were made.

The woollen manufncture was superseded in a great degree by that of linens, as huckabackn, diapers, sheetings, and chocks. But the chief occupation of the inlabitants now is combing wool aud makiug woollen yarn (which is used for imitation Indian shawls, Brussels carpols, dc.), ppinning flax, grinding optiol glases, and the manufacture of brass and irom. There aro very extonsive worsted milla The market is on Monday for corn and provislons of all kinds; there is a great market for eattle evcry fortnight.

DAIRMSTADT, the capital of the grand duehy of IIeses Darmetadt, and of the prorince of Starkenburg, stands in $49^{\circ} 52^{\prime} \mathrm{N}$. lat., $8^{\circ} 37^{\prime} \mathrm{I}$, long., 16 milea by railway S. from Frankfurt-am.Mayn, 39 milos N. from Maunheim and Heidelberg, and has 22,500 inhabitants. It is situated on the banks of the small river Darm, between the Mayn and the Ihiue (about 10 mile from the Iatter) at the commencement of the llergatrasse, a lloman road leading from Darmstadt to Baalc. It was formerly a village, but under the emperor Louis the Bavarian, became a town of the principality of Katroncllenbogen, and a castle was erected for its defence. After the extinction of that family it lost mach of ita importanco, uutil George I., son of the emperor Philip the Great, made it his residence, since which period it has increased considerably both in extent and consequence.

Darmstadt is divided into the old and ncw town; the former is inolosed within old massive walls, and has a gloomy uninteresting appearance. The new town is similarly defended, and is built in better style, has broad, clean, and well-lighted streeta, and handsome houses; but there are many spaces within the walls not occupied with buildings. The towu has six gates and five public squarea The principal public buildings are-the uew palace, in which the Grand Duke resides; the old palace, which contains a large gallery of paintings, a fine museum of natural history, and a public library of 200,000 volumes; the Excrier-Haus, or riding-school; a very handsome opern-honse ; an arsenal ; barracks; the town church, containing the ducal vaults; the Lutheran and Reformed Lutheran ehurches; and the Roman Catholic chureh, a handsome cireular structure situated on an eminence and surmounted by a splendid dome, which is supported by 28 large colnmns. There are a gymnasinm, a trainingechool, and various other schools in the town. The chief manufactures are woollens and liuens: the inhabitants are mainly dependent for support upon the expenditure of the court and the garrison; many of them however are engaged in tanning, garlening, \&c. The environs are very picturesque, and the soil is highly cultivated. Darmstadt has six fairs every year.

## DARNETAR. [SENE-IsYERIYURE]

## DARORA. [Aragon.]

DARTFOLD, Kent, a market-town and the seat of a Poor-Law Union in the hundred of Axton, Dartford, and Wilmington, is situated on the river Darent, in $51^{\circ} 27^{\prime} \mathrm{N}$. lat., $0^{\circ} 13^{\prime} \mathrm{E}$. long.; 15 miles F.S.S.F. from London by road, and 17 miles by the North Kent railway. The population in 1851 was 5763 . For panitary purposes the parish is under the management of a Local Board of 1realth. The living is a vicarage in the arehdeaconry of Maidstono and dioceso of Canterbury. Dartford Poor-Law Union contains 21 parishes and townshipe, with an area of 47,305 acrea, and a population in 1851 of 27,214.

Dartford lics in a narrow valley, formed by the river Dareut, from which it takes its name (Saxon Darentford), and the principal street is on the Dover road. The chief cireumstance of note in its history is that the grent insurrection, under Wat Tyler, in the reign of Richard II., broke ont here. The first paper-mill at Dartford was built by Sir John Spielman, a German, who introdueed the manufacture; the mill stood on the site of the present powder-mills : the first inill entablished in England for rolling and slitting iron was also near Dartford. The tradc of the town is considerable. There are chalk-pits in the vicinity; oil, powder, and paper-mills on the river Darent; corn-mills on a large scale worked by water-power and iteam; aloo a large lron foundry and manufaetory of machinery. At a short distanco from Dartford aro a cotton-mill and silk printing worka. The town in lighted with gan. Many new housea have been erected, and the town appears to be steadily improving. Barges from the Thamos come up to the wharf below Dartford. The church in a large and ancient edifice, chicfly of the decornted style, and contalns nome good brases. The Independents, Wealeyan Methodists, Raptirta, and Lady IIuntingdon" Connexion havo places of worship bere. There aro National, British, and Infant schoola, and a literary Inatitute. The market in on Saturday, and thero is a yearly fair.

Near the town so the ruin of a nunnery, founded A.D. 1371, by Jiwnard IIL., for Ahguntina num, but afterwards occupied by Dominioan nuna. The remaina consiat of a large embattled gateway, with mome adjacent buildings, now occuplod an a farm-houso: the gandens and orcharis occupied 12 acroa, and were surrounded by a stone wall yet entire Dartford Heath le of conslderable extent, and afionde vory plearant pronpecta
(liastod, Kient: Dunkin, /Iistory of Dartford; Communication from Darifond.)
DABTMOOLS. [DEVOAsmIRE]
DARTSOUTH, Devomahire, a nem-port and market-town, a munieipal and parllamentary borough, In the liundred of Coleridge, in situnted at the mouth of the river Dart, in $50^{\circ} 21^{\prime} \mathrm{N} . \ln ^{+}, 3^{\circ} 35^{\prime}$
W. long., 32 miles S by W. from Excter, and 202 miles W.S.W. from Lonilon by rond. The nearent railway station is at Totnen, on the South Devon lime, which is 8 iniles N.N.W. from Dartmouth, and 222\$ unies from Loudon. The population ln 1851 was 4505. The town is governed by 4 aldermen and 12 conueillors, one of whom is mayor; and returns one member to the Imperial Parliancut. The livings are in the arehdeaconry of Totnes and diocese of Exeter.

Dartmouth is delightfully situaterl on a deelivity on tho right bank of the river Dart. The hill on which the town stands is so abrupt that the base of the houses in the upper street is almost on a level with the chimncys iu the street helow. Some of the louses aro extremely old, and display some fiue speeimens of wood-carving; but gencrally the town is dirty, aud the strects arc narrow and ill-pared. The town has been recently lighted with gas. A floating bridge has boen established across the river Dart. The harbour is safe and convenicnt, and can accominodate 500 slips. The entrance is between the ruins of Kingswear Castle and the fort and chureh of St. Petrox, where a battery has been erected. The port extends from the river Teign to the river Erme, a distance of 40 milom.
In ancient records this place is called Clifton-Dartmouth-Ifardneese, originally three adjoining towns: it was incorporated by this name in the reign of Edward III. (1342). From the conveuicnce of its harbour it was very carly a place of some note. In the beginning of the 13 th century it obtained a market, mud other valnable privileges. It sent two members to Parliament from the lith year of the reign of Edward III. to the passiug of the lieform Aet, whiel reduced the ummber to oue. In the reign of Edward I. Dartmonth contributed 31 ships and 800 meu towards the naval expedition against France.
Dartmouth was during the parlinmentary war strongly contended for by both parties, Priuce Maurice succeeded after a siege of four weeks in taking the town, in which he placed a garrisou, but Ceneral Fairfax afterwards took the town by storm. Tho trade consists principally in the export of woollen goods and cider, and the import of wine. Dartmouth is one of the quarantine ports of the channel. The number of vessels registered as belonging to the port on December 31st, 1852, was:-Under 50 tons 172, tonnage 4817; above 50 tons 266 , tonnago 29,590 , and one steam ressel of 19 tons. During 1852 thero entered aud cleared at the port as follows:-Cosating trade, sailing vessels, inwards 838 vessels, 51,033 tons; outwards 323 , tonuage 11,352 : steam resseln, inwards 110 , tonnage 22,009 ; outwards 2, tonnage 344. Colonial and foreign tradc, sailing vessels, inwards 114, tonnage 7188 ; outwards $166^{6}$, tonnage 16,019 : stesin vessels, inwards 23 , tonnage 3956 ; outwards 22 , tonuage 1734 .
The chureh of St. Petrox is beautifully situated at the cntrance of the harbour. St. Saviour's ehurels is of the 14 th century ; the interior is highly ornmeuted. The pulpit in of stone, richly aculptured and gilt, and the rood-loft is beautifully earved. There are places of worship for Baptists, Independents, and Wesleyan Methodists; and a Grammar school with a sunall endowment. Newcomen, the inveutor of the steam-engine, was a bative of Dartinoutl.
A ninrket was granted to the town as early as 1226, and a fuir for three days at the festival of St. John the Baptist. Therc are no fairs held here now, but a large cattle-market is held on the Mouday before the third Wedncaday in every month, and a weekly markct on liridays, A new market-place has becu lately erceted. The remains of the old cnstlo, consisting of a squaro and a round tower, the latter of which is the most ancient, and supposed to have been built in the reigu of IIenry VII., are very pieturesque. In the immediate neighbourhood are several handsome mausions.
(Polwhele, Devonshire; Route-Book of Deron: Murray, Ilandbook of Deron: Lassous, Magna Brilannia; Communication from Darymouth.)

## DARVEL. [AYRSHRE.]

DARWA'R, a district in the province of Bejapore, situated between $14^{\circ}$ and $16^{\circ} \mathrm{N}$. lat, ; it contaius an area of 9122 squaro miles, and a population eatimatod at 838,757 . Darwar was formerly part of the territory of the l'eishwa, and eame into possession of the English in 181S. In the following jear there occurred a serious failure of the harvest, accompaniod by an cpidemic, whiel carried off about 25,000 of the population, which was then in all about 600,000 . The clistriet has considerably lmproved since lt came lnto the possonsion of tho British. Darwar, the capital, Is situated in $15^{\circ} 28^{\prime}$ N. lat., $75^{\circ} 3^{\prime}$ Lis. long, about 75 miles $\mathrm{I} \%$ from Gor. It is a fortifod town, and was beniegod by an allied force of Finglinlı aud Maliratta troops for twenty nine week in 1791 , when it surreurlered by eapitulation.

## DARWVAZ. [BadakHsifaw.]

DARWI:N, OVEIR [LASCABMIRE.]
DATCHET. [Bucknonamsinare]
D.AUPIIIN Fi, a fronticr province of month-eastern France, constituted (with the principality of Urange) ono of the 32 military governments luto whieli in ante-revolutionary times that kingiom was divided. It ineluded the country botween the Thone, the crest of the Alps, and Provenca. It now furms the three departments of Iscre, Drome, and Ilautes-Alpes, nud the physical character of the country is described unler the licads Aspres, ILat'res; Dhome; Ispre.

Dauphine is one of the most monntainous districts in France; branches from the Alps traverse it, and some of tbe loftiest summits of tbat mountain system are close upon or within its boundary: no other part of France bas points equally elevated. The country is Watered by a number of streams which flow into tbe Rhône, either immediately or by the Isère, Durance, and otber tributaries.

Dauphiné was formerly divided into Haut (upper) Dauphiné and Bas (lower) Dauphiné. Haut Dauphine comprehended the districts of Les Baronics, Le Gapençois, L' Emhrunois, Le Briançonnois, Le Champsaur, Le Grésivaudan, and Le Royands or Royanez. Bas Dauphiné comprehended Le Tricastin, or Tricastinois, Le Valentinois, Le Diois, and Le Viennois, Grenohle, Gap, Embrun, Briançon, Vienne, and Valence were its chief towns. Dauphiné had a provincial tribunal, or parliament, which beld its sittings at Grenohle. This country was inhabited in ancient times hy the Allohroges, the Caturiges, and other Celtic nations. In A.D. 734 it was invaded hy the Saracens, who were expelled by Charles Martel. In the 9 th century it formed part of tbe kingdom of Arles, and was governed by its own counts, who took tbe title of Dauphins until 1343, when Count Humbert II. seeing himself without heirs, sold his estates for 100,000 gold florins to Philippe, cldest son of King Philippe of Valois, on condition that the eldest son of the kings of France should thenceforth for ever bear the title of Dauphin. Dauphiné was ahout 124 miles long and 100 hroad .
(Chappuys-Iontlaville, Mistoire du Dauphiné; Dictionnairc de la France.)
DAVENTRY, Northamptonshire, a borough and markct-town, and the seat of a Poor-Law Union, in the parisb of Daventry and hundred of Fawsley, is sitmated in $52^{\circ} 16^{\prime} \mathrm{N}$. lat., $1^{\circ} 10^{\prime} \mathrm{W}$. long., distant 13 miles W. by N. from Northampton, 72 miles N.W. from London by road. The borough is governed by 4 aldermen and 12 councillors, one of whom is mayor. The population of the borough in 1851 was 1430. There are two livings, which are perpetual curacies in the archdeaconry of Northampton and dioceso of Peterborough. Darentry Poor-Law Union contains 28 parishes and townships, with an arca of 63,301 acres, and a population in 1851 of 21,926 .

It has heen conjectured that the town of Darentry rose from the decay of the British and Koman stations of Bennavenna and Isanavatia. Bennavenna station was prohahly on Borough Hill, a short distance east from Daventry, on which is one of the largest ancicnt camps or forts existing in the island. During the civil war of Charles I. some skirmishes occurred near Daventry. The place has little else of historical interest. The town stands on an eminence, and consists of two principal streets and some smaller ones, which are paved and lighted with gas; the houses are generally neat and well built. The church is a modern building, consisting of nave, side aisles, and chancel. There are-a small chapel of ease ; chapels for Independents and Wesleyan Methodists; a Free Grammar school, which had 14 scholars in 1851 ; National and British schools, and a savings bank. The chief manufactures are those of shoes for exportation, and of whips. The market is on Wednesday, and there are niue annual fairs, cliefly for horses aud cattle.

The Dissenting academy at Northampton was removed to Darentry on the decesse of Dr. Doddridge, 1752, and continued there till 1789 , when, on Mr. Belsham's resignation, it was removed to Wymondley: It was afterwards transferred, under the designation of Coward College, to London, and in 1850 was united with Homerton and Highbury collcges, when the joint institution received tho name of New College.
(liaker, Northamptonshive ; Communication from Daventry.)
DAVID, ST. [Fifesimire.]
DAVID'S, ST., Pemhrokcshire, an episcopal city in the parish of St. David's and hundred of Dewisland, is situated on the little river Alan, in $51^{\circ} 52^{\prime}$ N. latu, $5^{\circ} 15^{\prime}$ W. long. ; distant 26 miles N.W. from Pembroke and 265 miles W. by N. from London. The popnlation of the parish was 2460 in 1851 . The living is a perpctual curacy in the archdeaconry and diocese of St. David's.

St. David's whs in ancient times a large and populous city, and was during the middlo ages resorted to by numerous pilgrims. Its present aspect is that of a poor village, the houses generally, except those of the clergy, heing anean and almost ruinous. Still it must be regarded witl intercat as an ancient and onco important episcopal city, with a fine cathedral, and the remains of other magnificent buildings devoted to religions uscs. Of the three archbishops' scats appointed when Christianity was introduced into England, namely, London (afterwards transferred to Canterbury), York, and Caerleon, that of Caerlcon was remored about 519 to Mynyw (called by the Romaus Mcncria), whicb afterwards received the name of St. David's, in honour of the archhisliop and saint hy whom the transfer was effected. Hence tho appellation of 'Menerensis' sssumed hy the hishops of this seo, which was the metropolitan and archiepiscopal see of Wales until 930, when Sampenn, the last of twenty-five archhishops, withdrew with his clergy to Brittany, camying with him his sacred pall of officc. The ecclesiantical buildings occupy a apacious area called the Close, on the sonth side of the city towards the sea-shorc. The oathedral is partly Norman with early Finglish and decorated portion: Bishop Vaughan's clapel is perpendicular. The catherlral in cruciform, 307 fcet long, with a nquare tower at the west end 124 feet high; a nave 124 feet in lengtly; a choir, trapscpts, side aisles, and lateral cbapels, one of which ls roofed with labe of freentone. The oholr, which fil lofty, coutaine 28 ntalls

GEOG, DIV, YOIn If.
and a curious movcable pulpit. Tbe bishop's tlirone is of exquisito workmanship, resemhling that in Exeter cathedral. Numerous antiquarian relics are preserved in the building. An altar-tomb of the son of Owen Tudor is similar to tbat of Prince Arthur in Worcester cathedral. The cathedral has recently undergone considerable repairs and restoration. St. Mary's College was founded in 1365 by Joln of Gaunt for the maintenance of a master and seven fellows. The cbapterhouse contains a school-room for tbe instruction of the choristers, and an elegant dining-room, with kitchen and cellars, for tbe use of the canons when tbey assemble to audit the accounts of the see. Tbe present episcopal residence is at Abergwilli, near tbe city of Caermarthen, in a noble palace rebuilt by Bishop Burgess. The catbedral buildings, named above, are inclosed by a lofty wall about a mile in circumference, baving four gates, north, south, east, and west Thie principal gate is the eastern, between two massive towers, one of wbich is 60 feet in height. The little river Alan runs through tbe area, and Was crossed by a marble bridge, worn and polished by the feet of tbc pilgrims who visited tho place. The inhahitants of St. David's are chiefly employed in agriculture. Fairs are held on Marcb 12th aud August 5th. 'In tbe neigbbourbood, and especially at St. David's Head, a rocky promontory three miles from the city, are numerous cairns, tumuli, boly wells, \&c. Tbere is also an oratory, dedicated to St. Justinian, whicb was erected by Bishop Vaughnu for the use of pilgrims who were ahout to embark for Ramsey Island, wbicb lies off St. David's Head. Ramsey Island forms part of tho parish of St. David's.

The diocese of St. David's comprehends Pembrokeshire, Cardiganshire, Brecon, Radnorslire, Caermarthensbire, with a small portion of tbe counties of Montgomery, Glamorgan, and Hcreford. Tbere are 412 benefices. The diocese is divided into the archdcaconries of St. David's, Brecon, Cardigan, and Caermarthen. The cathedral establisbment includes besides the bishop a dean, 4 arcbdeacons, a chancellor, 2 canons, 12 non-resident canons, 3 minor-cauons, 3 vicars-choral, \&c. The income of the bishop is 4500 l. a year.

DAVIS STRAIT unites Baffin's Bay to the Atlantic, and extends hetween Creenland on the east and Cumberland Island on the west, in a northern direction, from Cape Farewell to Disco Island (that is, from $60^{\circ}$ to $70^{\circ}$ N. lat.). Its narrowest part is near tbe Polar Circle, where it is about 200 miles across. It is tho principal resort of tho whalcrs, whales being more numerous here than in otber seas uear the Polc. But the immense icebergs which even in summer liue the western coasts of the strait, and the violence of the currents, render the narigation very dangerous. Many of tbe ioehergs rise somc hundred feet ahove the level of the sea, and the whalers twhicb arrive at the end of April or in the beginning of May fiud the whole strait blocked up by a barrier of icehergs between Cape Walsingbam and tbe Greeuland coast. The current, whicb runs along the eastern coast of Grecnland, turns ronnd Cape Farewell, and continues along the western coast of Greenland nearly up to the Polar Circle, wbere it crosses the strait to Cape Walsingham, and theu contiuues in a southern direction to Labrador and Newfoundland. By this current the immeuso icebergs of Davis Strait are carried down to the centre of the Northern Atlantic, wbere they sometimes are met with as far as $401^{\circ} \mathrm{N}$. lat. The countries on both sides of the strait rise in rocky mountains to a considerable elevation, and exhibit a very scunty vegetation. They are inhabited by Esquimaux.

DAWLISH, Dcvonsbire, a small town in tbe hundred of Exmiuster, lies in a valley running from east to west, about midway betyveen the rivers Exe aud Teign, in $50^{\circ} 35^{\prime} \mathrm{N}$. lat., $3^{\circ} 29^{\prime} \mathrm{W}$. long., 12 miles S . from Excter by the South Devon railway, 191 milcs S.W. by W. from Londou by road, and 206 miles by tbe Great Western and South Devon railways. The population in 1851 was 2671. The living is a vicarage in the archdeaconry and diocese of Exeter.
About fifty years ago Dawlish was merely a collection of fishermen's huts. It is now a fashionable and flourishing watering-place. The situation is exceedingly pleasant. The sea-front lies near tbe centre of a cove a mile and a balf in extent, formed by the projecting cliffs of Langstone on the east and the Parson and Clerk rocks on the west. The climate is warm and equable. The Public Batlis, a handsome building of recent erection, is situated on tbe sands. Tho parish church, about three-quarters of a mile from the beacb, was rebuilt ju 1824 oxcept tho tower, whicb is part of the old churcb and is of very ancient date. The Independeuts, Wesleyau Mcthodists, and Plymouth Brethren bavo places of worship bere. A small but curious and handsome viaduct carries the line of the South Devon railway over the stream wbich runs through the town. The railway runs hetweeu the town and the sea.
(Polwbele, Devonshire ; Land We Live In, vol. iii. ; Route Book of Devon; Murray's Mandbook of Devon.)

## DAX. [Landes.]

DEAD SEA, the ancient Lacus Asphaltites, ls sltuated in the south-east of the Holy Land, near the horders of Arabia. Tho point $31^{\circ} 30^{\prime} \mathrm{N}$. lat., $35^{\circ} 30^{\prime} \mathrm{E}$. longo, is uot very far from its centre. It lics In the deepest known depression ou tho surface of the earth; the level of this sea being 1312 fect below the lovel of the Mcditctranean. The depression in which it lies, called El-Ghor, exteuds north and soutli, so ns to Include the valloy of the Jordan, helow the Lake of Tiberias, and the wady Inl-Arabab, which rises gradually
frosn the mouthern extromity of the sea to the uplands of Arabia Petren The Devel Sen hm uo risible outlet.

The grentest leugth of the Dead Sea, which lies due north and south, is hardly 10 miles; the breadth of the northern part, which is wilest, varies between 7 and 81 mulle At about 25 mile from tho northern show a romarkablo penimunla adrances northwarl into the sea from the monntains of Mowb, leaving on the castern side a bay from 31 to $1 /$ milea whe end about 5 mice long, and on tho western sido as strait abont ; inilo loug and 2 milos wide at its narrowest part Tu the south of this strait aproads out the southern part of the rea forcuing what the Arabs cali Rahr lut, or tho Sea of Lot, 10 twiles long and from 5 to 3 milen broad. It must be remarked however that thes dimenaions aro consilcrably incrensed in winter, when the sea is awollen by the rains. The appect of a country so near the tropics differs greatly at differeut seasons of the Jear. Accordingly, the notice of the scencry of the shores which is here given, and which is taken from Lioutenant Lynch's account, whose survey of the Deal Sea was executed In the months of Apirl and May, will be found to difer considerably from tho description of M. de Saulcy, who visitod the region in January.

The north shore is an extensive marshy fat, rith a randy plain beyond it, and is jolnet on tho north-west angle of the sea by $n$ bed of gravel sloping gralually down from the mountains of Canaan. Ncar the wady Gumran in this part of the mountains, De Saulcy discovered extensive ruins, which he supposes to be those of Gomorrah. The beach here consists of minute fragments of angular flint, interspersed with numerous pebbles of bitnminons limestonc, and there is an almost total absence of round pebbles. A line of bold, lofty, and in most parta perpendicular clifs runs along the ehore at a very little distance, consisting chiefly of bitnminous limestone, with in a few places masscs of conglomerate of a dull achro colour. Theso cliffs rise to the height of 1000 or 1200 fect. They are broken by a fow ravines, which in winter aro traversed by torrente, whose deposits form littlo deltoid or alluvial projections along the shorc. Exeept along these ravines the rocks are utterly devoid of vegetation, and present a sceus of unvaried desolation and barrenness. Aiong tho marshy beds of tho streams that flow through the ravines tamarisks, low canes, aud spina christi are almost the only apecinnens of vegetable life. The frincipal of these ravines on the western side of the sea are the wady En- Nar and Ain-Jily or Eingadd; through the former the brook Kedron enters the ser, tho clifts ou ench side of it being 1200 feet high, and midway down the ravine is the convent of Mar Sabr. The mountains here and to the sonthward consist of horizoutal strata of limestonc, in which are seen numerous caves. At the foot of the cliffs is a dark coarse gravel. The nountaius about AinJidy are 1500 feet high, and sbound in cavcrns. Between the delta of the AinJidy and the moath of the Armon ou the Arabinn shore the sea is about 9 miles wide. There is a currcit southward through the whole length of the sen, caused by the impetus of the Jordan; and the current deflected from the southern shore caunem an eldy yorthward along the west shore. On the lofty eliff of Sebbeh, opposite the peninsula mentioned above, are remains of the etrung furtreas of Massade, to which Icrod retired with his fnmily and treasures after the capture of Jerusalem by the Parthians. This cliff rises perpendicularly to a height of from 1200 to 1500 feet, and in inolated from the rest of the chain by two deep ravines, the detritus carried down which has formed a aandy alluvium moro than two miles wide betweon the cliff and the sea.
Bold savage cliffs and terraced mountains of limestonc in horizontal streta, erossed at interrals by lava streams, continue to within about four miles of the southern shore of the sea. In this interval lies the remarkable isolatorl mass of rock called Usdum (Sodom). This mountain mane consists of rock-salt; it is incrusted with carbonato of lime, which given it the tinge of the onstern and western mountains. At about a milo distant from the uorth point of Undum a round pillar of alt, cylindrical in front towards the sea and pyranidal behind, 10 feet in height, reats on an oval pedestal from 40 to 60 feet above the level of the noa. Between the baso of Usdum and tho sen there is Eroud marrhy flat coated with salt and flaky bitumen. The whole of the southern bay is shallow, and the bottom connistes of a alimy black or gray mud. A species of melon grows on the Usdum, oblong, ribterl, of a dark green colour, and in tasto execerlingly bitter, like qninine. Along the whole of the western shore at iutervals aro dead banlien incrusted with ealt, an lis everything exposed to the spray of this nee.

The southern whore presents a scene of unsuixed desolation. On one ajde the male mountain of Usdum, rugged and worn, with its conspicuoun pillsr ; on the other the lofty barren hills of Moab; to the south an extensive flat manh, internected with aluggish atreams, with the high hill of Filom, which horier the Ghor to the sonth lehind the Valley of Salt; the glare of light blinding to the cyethe air nulfocating-110 living thing to bo ncen.

The enstomi ahono of the southern bay is meparated by a narrow marah with a fow eernbby brathen from hills 2000 feet high, consistiug of trowecoloured limosione in horizontal strata, witl! rove-coloured andatone beucatl. Tise peninsuis mentionol above, asd called now on of old El-Liaan, or the Tongue, stretches out to the north-went and north in the mape of an extended wing for about 8 miles, and
terminates northwand in a bold promontory 40 to 60 feet hlgh. A aharp angular rldge some 20 foet higher runs along its centre and round its base there is a broal margin of mand incrustorl with milt and bitumen. The perpendicular fisce extending ali round it presents a coaree chally appearance. The surfnee of the peuiusula in rugged and irreguiar, covered with loose calcarcous marl, with incrustations of salt and pieces of puro sulphur, with grpsum and marly claye At the hearl of the baj, on the eartern sido of the peuinsula, is a Elat into mhich the wadys of Beul-1 hamed and Kemak open. Hero stands the village of Mearan, Inlabited by Arabs resembling negraca, and near it is tho plain and so-callel ruinn of Zoar. Thess ruins whicla aro commanded by eeveral terrific cratorn Do Snulcy says with reason aro those of Zeboim. Along the etrean that traversen the wady of Beni-Hawed are oleanders 18 feet high, and on the plain groves of acacias and many other shrubs (Asclepios procera), the fruit of which is called the Apple of Sodom. This fruit, fair to the cye and bitter to the tante, is about the sizo of a large apple, aul when ripe is filled with fibre and dust. The wady Kcrat has no water in sumaner; on one side of it is a deep yawaing clasm, aud on the other side are beetling crags blackoned by the tempests of agos, and in slape rescunbling the broken wares of an-angry sea, The Arabs of Mczraa cultivato sorne millet and tobacco.

The Armbisn shore to the northwarl from the wady of Beni-Hamed presents lofty perpendicular rocks of red-sandstonc eapped with limestone, and broken from within by rarinem, in which grow some patches of cane, tamarisk, and a few other shrubs. At about 7 miles northwarl from the bay is the wady El-3lojeb, through which the Arnon breaks into the Dead Sea. This river, which is 82 feet wide and 4 feot deep in summer, runs through a winding chasin 97 fect wide, formed by perpendicalar cliffs of red, brown, and yellow sandstone, capped in the interior witl yellow limestonc. The ciffes aro scored and worn by the winter raius into architectural forms resen bling walls of Egyptian masonry. Along the bed of the river castor boans, tamarisks, and canes grow down to the sca-shorc. North of the Aruon the shore, in one place enlirened by a small cataract, presents the same lofty rugged brown-parched hilis, which form jurt of the Belka Mountains. Near the wady Verka-Main, the outlet of the hot springs of Callirrhoer, the shore is lined with huge black boulders of trap interspersed with tufa, and the monntains here seeus to be one biack mass of scoria and lava stratitied. All tho rocky hollows along the shore are incrusted with salt. The Zerks-Main rushes in a strong eurrent through a clasm 122 feet wide for a mile from the shore, with sides 150 feet high, formed by red aud yellow sandstone overlaid with trap.

The sea inclosed withiu the boundary just traced is in many respects very remarkable Its water is a nauseons compound of bitters and salt, and of great density. The density of distilled water being 1 , the density of the Atlantie water is indicated by 1.02 , of the water of tio Deal Sea by 1.13 ; tho first dissolves 5.17 ths of its own weight of salt, the second 1-6th, and the third only 1.11th. Accordingiy, its buoy ancy is also great. A strong man floats vearly breast ligh above it Without the least cyertion: fresh hens'eggs float up one-third of their length. Lieutenant 1 Fnch's boats with the same loads drew one inch less in the Dead Sen than in the Jordan. No aguatic animal whaterer is found in this sen.

When no wind is stirring the sea seems a vast caldron of clark metal fused and motionicss, and the great craporation eurolopn it in a vapour of a purple tinge. When lashod by the simoom or the sirocco it presents a sheel of mying foam, but wheu tho wind lulla, as it sometimes doas, instantaneously, the waves as suddenly subside, in consequence of the ponderons nature of the water. The spray leaves an inerustation of greasy salt, and causes a pricking sensation wheu it tonches the skin. Gencrally speaking, during lieuteuaut Lynch's surrey the wind in the forenoon blew from the southward, iu the afternoon from the northward, with a fetid sulphureous smeil, owiug to the marshes $1 t$ blows over, and after midnight there was a calm. Sudden and violent hurricancs are frequent, The uights were cloudless, and there was scarcely any deposit of dew; the gromud is so heaked by the sun during the day. There was a remarkablo exception to this however during the night the surveying party rpent near the village of Mozra, when a hot wind blew from the north. The dew oul this night dripped tirough the canvasm on the men auloep. On April 23 Fahrenheit's thermoweter marked $70^{\circ}$ at 6 am., $85^{\circ}$ au hour and a lanf later, and $92^{\circ}$ at $0 \mathrm{p} . \mathrm{m}$. The heat experienced in the southern part of the sea was most oppressive, causing, in conjunctiou with the sulphureous vapour, a drowey sensation anounting almost to atupor. After a blistering hurricano at the head of the castern bay on April 26, the thermoneter five feet from the ground marked $100^{\circ}$ at 8 p.iu., and $101^{\circ}$ at one foot above the ground, and mosquitoes were troublesoue.

The depth of wator lis the worthern part of the sea is very great; and it increnen rapidlly aud nlmont immediately from the shore. The first cast of the lead at the mouth of the Jordan gare one fathon, but a few soundings in a south-east direction towards the wady Ghuweir gare 81 fathoms; farther south the depth in mid-sen incrensed to 116 , 117, 218 (1308 fect) opposito the waly Verka-Main, but near the shores the depth varied from 6 to 23 fathoms. Opposite the Arnon the midear depth ls 188 fathoms ( 1138 feet). On approaching the peuinsula the
depth in the centre is still very great, but it gradually diminisbes. Opposite its nortbern promontory, at tbe centre of the strait on the west side the depth is $10 \%$ fathoms; thence to the soutbern end and narrowest part of the strait there is a rapid ascent of tbe bottom, the greatest depth here being ouly 3 fatboms. Tbe eastern bay also rises rapidly from 24 fathoms to one fathom at its southern extremity. In all this nortbern part of tbe sea the bottom for the most part consists of mud (yellow, gray, brown, or blue), witb cubical and rbomboidal crystals of salt; a bard bottom was found in one or two places only, and in a few others sand-and salt. Tbe temperature of tbe water decreases from the surface to a depth of 10 fathoms, where there is a stratum of cold water ; below this the temperaturo increases. For instance, tbe surface-water was found to mark $76^{\circ}$ Fahr., at 10 fatboms depth $59^{\circ}$, and at 174 fathoms, or 1044 fect, $62^{\circ}$. The coldest water is found at the uniform depth of 10 fatboms.

In the soutb bay, which, according to De Saulcy, occupics the valley of Siddim, the depth is in summer comparatively inconsiderable, nowbere more than two fathoms and a half, or 15 feet, and the water shoals rapidly towards tho soutbern extremity of the sea, so that for a mile from the shore tho depth varics from half a foot to a foot A ford is marked on some maps from tho soutli of the peninsula to tbe western shore, but Lyneb could not find it. There may be a ford however later in the summer. There is a frotby scum and flakes of bitumen floating on the water. Tbe bottom is black or gray slimy mud. Along the sbore are many dead bushes, the soil marsby, overlaid witb salt and bitumen, and yielding to the foot. The utter demolation of tbe scenery, the profound silenco, and tbe general absence of any living thing, are very impressive every wbere along the Dead Sea, and especially in this part of it. It is not however to be supposed that animals do not live along its shores; flocks of ducks and other birds, herons, atorks, doves, bumming-birds, brown hares, partridges, snipe, butterflies, and cat-birds are among the animals seen by lieutenant Lynch's party at different parts along the coast. A duck was once seen upon the eea, and now and then a dead quail was picked up that had died of cxhaustion; tracks of pantbers, tigers, and gazelles werc observed. It must be acknowledged however that it is rare to see any animal (except mosquitoes perhaps) near the sea in summer, unless it be after storms; not that there is any exhalation from the sea itsclf that is offensive or fatal to them, but that perhaps the same sulpbnreous and other nauseous vapours tbat rise from the sour and slimy marshes along the shore are disagreeable and injurious to tbe lower animais as well as to man. Tbe Arabs who dwell in the wadys and upon the mountains along the coast are ragged, filtby, lcan, and hungry, but well-formed savagess.

The bottom of this remarkable sea seems to consist of two submerged plains, one averaging 13 feet and the other 1300 feet below tbe surface, and in tho deepest part of the morthern plain is a ravine corresponding to the bed of tbe Jordan; and it has becn inferred furtber from the sudden break-down in the valley of the Jordnn between the Jabok and the Dead Sea [JorDan], from the geological structuro of the mountains, the nature of tbo waterconrses, and the clear marks of volcanic agency, that the wholc Ghor subsided in consequence of some extraordinary convulsion. On tbis supposition tbe northern plain may bave been always water, the south plain may once have been dry land. M. de Saulcy, who visited the country in 1850 and 1851, comes to tho conclusion that the sites of Sodom, Gomorrah, and Zoar are to be sougbt on the western sbores of the Dead Sea, and that the common belief of these cities being buried by the waters of tbe Dead Sea has no foundation in tho history of their destruction. Ife adds, that the mountain of Usdum, or Esdum, "bears ou all its declivities flanking its nortbern part, the extensive ruing of a city; ruins among which you can distinguiah, ou a careful examination, many foundations of walls." A. mile and a half distant, to the nortbwest, ncar the wild rock-strewn wady Ez-Zouera, at tbo southern eud of the Canamitisb Mountaius, he discovered tbe ruins of another town which ho considers to be those of Zoar.
(Lynch, Erpedition to the River Jordan, 1849; De Saulcy, Discovery of the Site of the Destroyed Cities of the Plain, London.)

DEAL, Kent, a municipal and parliamentary borough and markettown in the parish of Deal, hundred of Bewsborough and lathe of St. Augustine, is situated close to the sea on 8 bold open beach hetween tbe North and South Forelauris, in $51^{\circ} 14^{\prime} \mathrm{N}$. lat., $1^{\circ} 23^{\prime}$ E. lougo, 18 miles E. by S. from Canterbury, 74 miles E.S.E. from London by road, and 102 miles by the South-Eastern railway. The population in 1851 was 7067 . The borough is governed by 6 aldermen aud 18 councillors, one of whom is mayor; and with Saudwich and Wrimer returas two members to tbe Imperial Parliament. The living is a rectory in the archdeaconry and dioccse of Canterbury.
In the reign of Henry VIII. Deal was but a little fishing village about half a mile from the coast, but it is now a good-sizcd town running close nlong the shore. The former village is now called Upper Deal, wbile the present town has grown into existence in modern times. It has arisen in a great measure to supply the wants of the scamen belonging to the sbips passing up and down the channel or riding at anchor in the Downs. The town is much resorted to for mea-bathing. Tbe climate of Deal is healthy; tbe soil is dry, and tbe air pure and free from marahy vapours and from fogs. Dcal was annexed to the Cinque Ports in tho 13 th century as a member of

Saudwich, and tbough now of mucb greater importance still ranks as one of its members. At the south eud of tbe town is a strong castle erected in 1539 by Henry VIII. In the fine roadstead called tbe Downs, between the shore and tbe Goodwin Sands, vessels of all dimensions, to tbe number of occasionally four or five huudred, ride windbound and witb safety, except during heavy gales, wben some put into Ramsgate for greater security. The pilots of Deal have a higb cbaracter, and the boatmen are an intrepid race of men. Their courage is often manifested in affording assistance to vessels in distress. The town is well paved and ligbted, and watcbed by a police force. It contains a custom-bouse, a yard for naval stores, a naval and military bospital, barracks, a pilot-bouse, a towu-hall, and a jail. The inbabitants are cbiefly engaged in boat-building, sail-making, and other pursuits subservient to maritime business; but there is a cousidcrable trade occasioned by supplies required for shipping detained in tbe Downs by contrary winds,

Besides the parish church, a zew church, aud a chapel of ease, there are chapels belouging to Indepeudents, Wesleyan Methodists, aud Baptists. Tbero are also National schools and a Nautical school. Markets are held ou Tuesday and Saturday, and two small fairs in April and October. There is a savings bank.
Tbe village of Walmer adjoins Deal. Walmer Castlo, the official residence of the Warden' of the Cinque Ports, is about half a mile from Deal. Sandown Castle, erected by Henry VIII, about the same time as Deal Castle, is about a mile east of Deal.
(Hasted, Kent; Land We Live In; Communication from Deal.)
DEBA. [Baseue Provinces.]
DEBENHAM. [SUFFOLK.]
DEBRECZIN, or DEBRECZYN, a royal free town in tbe western part of Upper Hungary, is the capital of the county of Bihar, and the largest town in tbe kingdom, Pesth only excepted. It stands in tbe centro of an extensive sandy but fertile plain, about 120 miles E. from Pesth, to which a railway is in course of construction. Tbe town is open, and has a rustic appearance; for the bouses, which are about 4000 in number, seldom exceed one story in beight, and are as humblo in tbeir exterior as common cottages. Including the tbree suburbs, from which it is separated by a slight palisade, Debreczin contains about 60,000 iuhabitants. Tbe streets are unpaved, and the foot-passenger has consequently to wade eitber through mud or sand, according to tbe season of the year, with the aid of a few planks, laid down for crossing the streets. Debreczin has several handsome buildinga, among wbich are tbo town-hall, the Protestant and Roman Catholic churches, the Franciscan and Piarist monasteries, and tbe handsomo Protestant Collegium, to whicb a small cburch and a library of 20,000 volumes are attached. There is also a Roman Catbolic gymnasium, a school of design for mecbanics, \&c., an orphan asylum, three dispensaries, three bospitals, and a house of correction. The inhabitants derive tbeir subsistence from agriculture aud tbe manufacture of coarse woollens, sbeep-skins for clothing, pottery, leather, saltpetre, soap, and tobacco-pipes (about 13 milhons per annum are madc with born moutb-pieces and red or black clay beads). Other industrial products comprise cutlery, combs, buttons, pearl necklaces, \&c. Four periodical fairs are held in wooden bootbs outside the town, and are the resort of buyers and sellers from all parts of the kingdom. Debreczin is noted for the excellence of its bread. It suffers greatly from want of water in summer.

DECAZEVILLE. [AVEYRON.]
DECCAN (Dacehina, tbe south) was anciently uuderstood to comprehend tbe whole of tbe peninsula of India south of the river Nerbudda and tbe soutbern boundaries of Bengal and Bahar, and included nearly one half of the territory generally known under the name of the Mogul empire. The name Deccan now denotes the countries lying between the Nerbudda and the Gap of Coimbatore. Tbe Deccan tberefore comprehends tbe following divisions: Candcisb, Gundwana, Orisea, Berar, the Nortbern Circars, Beeder, Aurungabad, Hylerabad, Bejapore, and Mysore.

The interior of this extensive region is an elevated table-land encircled by lofty hills called tbe Gbauts, whicb are bordered by low plains extending to tbo sea-shore. Tbe table-land extends from $12^{\circ}$ to $22^{\circ}$ N. lat. Between $12^{\circ}$ and $16^{\circ}$ its average breadth is about 150 miles, but north of $16^{\circ}$ it widens gradually to 400 miles. The hills on tbe table-land are barren, but some of the valleys are very fertile. Over tbe wbole surface a black soil prevails favourable to tbe growth of cotton. Tbe pbysical features of the Deccan are described under Hindustan.
The first Mohammedar invasion of the Deccan occurred at the close of tbe 13 tb century, in the reign of Ferozo. About the year 1350 the Afgban Hussun ascended the tbrone under the title of Sultan Alla ad Dien Hussun Kongoh. He was tbe first aoknowledged independent sovereign of tbe Deccan, and becamo the founder of the Bbamineo dynasty, of wbich twelvc members in turn succeeded bim. Aftcr this the Deccan was again divided, and a large part was formed into a province of the Mogul empire. About the close of the 17 th century Aurengzebe reduced tbe country under his immediate sway; but in ${ }_{1717}$ Nizam ab Mulk, who bad been sent as viceroy into the Deccan, made bimsclf its virtual sovereign; and the wbole country continued independent of the Mogul cmpire until 1818, wheu a largo part of it camo under the dominion of the Euglisb.

What is known as British Decenn comprises the electorates of Poonn, Ahmodnnggur, Darwsr, and Candeish; the remninder is under the away of lindoo or Mohammodan prisces. The lands in this part of India are held under various descriptions of tonurc. In most villoges of the Deccun are to bo found somo IRamosis, who ano thieves by birth, and who have lands given to them free from government tax, that they may hold themselves responsihle for the safety of property in the district where they reside. The condition of the cultivators and of the ishabilants generally has been much improved since the Doccan came into the possession of the linglish government.
(Mennell, Memoir: Mill, IJisory of Iritish India.)
DEDDINGTON. [OxTORDSHIRE]
DEDHAM. [FAsEX.]
DEF, the llivor, riso in Merioncthshire, of which it drains the enstern dintricts and also the southenstern part of Denbighshire. It afterwards eeparatos Denhighshiro from tho detached portion of Flintshire and from Cheahire, but tho lower part of its course is entirely withln Chealire. Tho Lako of Ikala, or Llyn Tegid, which ung be considered the source of this river, receives several mountain streams, one of which is called Dec. [BaLA.] Tho waters of this mountain lake are discharged at its north-eastern corner by a strcam of considerahle aize and depth, which is soon increased hy other considerable mountain streams, as the Trevergn and Alwen. The Dee so far flowa $\ln$ a fino open valley; at Corwen the river begins to descend from the mountain tahle-land of North Wales, and in 10 uiles from Corwen to Trevor it probably falls ahove 300 feet; its course in this part is consequently oxtremely rapid, though without cataracts In this part of its course the Dee fows through the beautiful vale of Llangollen. Near Trevor the valley is spanned by the Cysylltau aqueduct, which carries the Ellemmere Canal across the valley at a height of 120 feet above the Dee. The aqueduct is 1007 fect long, and is supported on 18 stone piers. It is a very striking structure, but is surpassed both in magnitude and beauty by the viaduct which at a short distance from it carries the Shrewsbury and Chester milway across the Dee at a height of 150 feet above its surface. This viaduct consists of 18 arches of 00 feet span, and is 1530 feet in leggth; it is built almost eutirely of stoue. Below Trevor the Dee enters the plain, in which it runs with numerous windiugn upwards of 35 miles to the tidewny at Chester. Here it is joined by the Alyn from the west, and changes its western course into a northern. At Chester the Dee is about 100 yards wide, and runs farther down in an artificial channel along the marshes for about 9 miles. The river now enlarges into a spacious sestuary 3 miles acroas, which at high water form a noble arm of the sea: but at club-lide it is dry, and resembles an extensive dreary wasto covered with sand and coze, through which the river runs in a narrow and insignificant stream. It entern the sea near the island of Helhree, where the sentuary is about 6 miles wide. In its natural state the Deo is wholly unnavigable; but hy means of a weir at Chester a sufficient depth of water is mnintained to nllow small boats to pass two or three mile above Chester. The whole course of this river from Bala Pool to the beginning of the sastuary is upwards of 80 miles.

DFFF, IUVF:R [ABERDEESSHRE]

## DEEG. [BuUnTroor]

## DI:IEPING MATKET. [LINCOLNBHRE,

DELAWARE, next to rhode Islaud the smallest state of the United States of North America, extends from $38^{\circ} 28^{\prime}$ to $39^{\circ} 47^{\prime}$ N. lat., mad from $74^{\circ} 56^{\prime}$ to $75^{\circ} 46^{\prime} \mathrm{W}$. long. It is bounded N. by Pennmylvania, E. by Delaware Bay and the Atlantic Ocean, and S. and W. Ly Margland. It comprehends the north-eastern portion of the peninmula which !ies to tho cast of Chesapeake Bay, and more than one-third of its surface. Its length from north to south is about 02 miles ; its breadth varics from 10 to 36 miles. Its area is 2120 wiuare niles, or somewhat more than that of the county of Norfoll. The total population iu I850 was 91,532. The following table shows the increane of the population and the proportion of slaves in this stato since 1820 :- Tho total population in

| 1830 | " | i8,i4, |  | 15,853 |  | 2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1810 | " | 78,083, | " | 16,910 | , | 2605 | " |
| 1850 | , | 01,532, | " | 18,073 | " | 2290 |  |

The federal reprementative population in 1850 was 90,616 , in which number three-ding of the slaves are included. This entitles the state to send one representative to Congrema. To the Senate, like each of the other United Staten, Delawhre neuds two members.

Coustine, Surface- The cosst in low and sandy, and lias 10 natural harbour except at the aorthern extremity along the banks of the river Dolawaro. IChoboth Ihay, formed by a long and narrow strip of and, in too shallow to admit reaels drawing more than aix feet of water. In onder to form a aerviccable harbour a hreakwater han been constructed by the genernl government opposite the village of lewistown, and aboro Caje Hlonlopen, at a cost of nearly three millions of dollars. It in two-thirde of a mile in leagth, 75 feet wide at bottorn, and 22 feet wide at top. A dyke more than half the length of the hreakwater, and parallel to it, protects it againut the Iee brought down by the river.

The waterthed runs nearly through the midat of the peninsula,

In its northern portion Dolaware is undulating, and near Christiana Creek aro some hills jerhnps 400 to 500 feot high; but south of the creck it nowhere rises to 100 feet abovo high-water mark ; and it grndually becomes more flat towards the Atlantic Occan. Farther south it is an cxtensive flat abounding with swamps, from which the amali rivers coze rather than flow to the Chesapenke Bay and the Atlantio Occan. Sonse districts of the country towards the sea aro marshy and subject to innndations. At the southern extremity is the Cypress Swamp, of miles from east in west and I2 miles from north to south, covered with trees and plants, and harbouring numerous wild animals and reptiles. Cypress Swamp has au arca of about 50,000 acres: a part of it belong to Maryland.

Mydrography, Communications.-Except tho Dehaware, which forms ita casteru boundary, and is noticed in a separato article, all the rivers of the state are small. The most important is the Brandywine, which enters the northern end of the stato from Pennsylvania, and flows in a gencrally southern courso past Wilmington, a mile below which it uuites with Christiana Creek, which also rises in Pennsylvania, and the unitod strean forms Wilmington IIarbour, which is navigablo for large ships, and falls into the Delaware two milea below the town. The other rivers mostly rise within the state, and after a short course fall into the Delaware; they are generally wide in proportion to their leugth, and navigable by vessels of light draught several miles from their mouth, and hence perhaps they are commonly callod crecks. The principal are Duck, Jones, Mispillon or Mospihon, Mother or Murder, and Broad-Kill creeks, and the Indian and Appoquinnimink rivers.

The Chesapeake and Delaware Canal, which connects the bays so named, is an important work. It commences at Delaware city, on the Delaware, and is carried in a generally western directiou for 13 d miles to Back Creek, a navigable hranch of the Elk IRiver in Maryland. It is 60 feet wide and 10 feet deep, and is navigable by steamers and vessels of considerahle burden. It was completed in 1829 at a cost of $2,250,000$ dollars.

The state is tolerably well furuished with the ordinary turnpike and hye roads. The most important line of railway yet completed is the Newcastle and Frenchtown railway, which runs from Newcastle on the Delaware to Frenchtown (Maryland) on the Elk IRiver, I6f aniles, thus connecting the Delaware and Chesapeake Bays, aud in conjunction with the steamboats stationed at each end forming a convenient line of communication between Philadelphia and Baltimore. The Philadelphia, Wilmington, and Baltimore railway crosses the state farther north, and is the usual land line of communication between those cities. Other lines aro projected, but these are the only ones yet constructed within this state.

Geological Character. - In the uorthern part of Delaware the rocks belong to the primary formations; hut the middle and southern parts, forming by far the larger portion, belong to the Atlantic plaiu, and aro almost wholly of tho tertiary series. Much of this part is swampy. Towards the west the country becomes sandy, aud sandstone rocks occur in the low hills which form the watershed of the peniusula. Bog iron-ore is found iu the swannps, and is worked to some extent. Kaolin, or porcelain clay, of cxcellont quality is ohtained in the north, and is sent to supply the poreelain works at I'hiladelphia. Shell-marl occurs in considerable quantities, and is much used for agricultural purposes.

Climate, Noil, and Productions.-The soil is in many places excellent, but gencrally it is thin and saudy. In the northern parts of the state along the Dolawnre, and for eight or ten miles inland, it is a rich aud very productive clay, which becomes more and more sandy towards the south. The central part is a light poor sand; the southern part is atill less productive Almost everywhere it is however carefully cultivated. In the southern part of the state there is some good grazing land. The climate is in geveral healthy and mild, hut much sereror iu the northern than in the southern district, though the two are hardly more than a degree apart. In the neighhourhood of tho swamps endemic sickness prevails to a considerahle exteut.

The natural productions are similar to those of the middle Athntic states. The forests ano not oxtensive, but large timher grows in the north, and considerable quantities in the Cypress Swanp in the cxtremesouth, and woods of various kinds occur throughout the atate. Agriculture is the principal occupation of the inhabitants. Grain and four are the chief artlcles of export. In IS50 the number of farms under cultivation in the state was 6063 ; the extent of improved lauds was 650,862 acres, of unimproved lands 375,292 acres, which together wero valuod at I $9,850,03 I$ dollarm. The total produce of the prinoipal crops in 1850 was as fullows :-Whent, 482,251 bushels; maize, $3, I 45,533$ bushels; rye, 8006 bushels; onta, 604,518 bushels; barley, 50 bushols; huckwheat, 8016 buahcls; potatocs, 240,542 bushels; sweet potatoen, 05,443 bushels; peas and beans, 1120 bushels; hay, 30,159 tons; water-rottod lemp, 570 tous; flax, 1I, 0501 hs ; clover and other grass sedm, hops, \& c , are also raised to nome extent. Fruits and vegetahlen are produced in abundance: the valus of orchard products in 1850 was 46,574 dollars ; of marketgarden products, 12,714 dollara Some wine is made.

The number of horses in the stato in 1850 was I 3,852 ; asses and mulem, 791; milch cows, 10,248 ; working oxen, 9797 ; other cattle, $24, I 60$; sheep, 27,503 ; swine, 66,261 . The products of animals
were thus returned :- Wool, $57,765 \mathrm{lbs}$; butter, $1,055,308 \mathrm{lbs}$; checse, 3187 lbs ; the value of animals slaughtered in tho year, $3 \div 3,665$ dollars. Bees'-wax and honey, 41,248lbs.

Manufactures, Commerce, de.-Although mainly an agricultural state, there is in the north, where water-power is abundant, cousiderable manufacturing industry; the trade of the state is also important, and from Wilmington the whale-fishery has been successfully prosecutcd. In 1850 the number of manufacturing establishments producing to the value of 500 dollars and upwards, was 513, of which 12 were cotton-factories, cmploying 413 males and 425 females, and a capital of 460,000 dollars; 8 woollen-mills, employing 140 persons, and a capital of 148,500 dollsrs; 15 iron-works, employing 300 per sons, and a capital of 383,500 dollars; and 16 tanneries, employing 108 persons. The other establishments consist of grist, flour, saw, gunpowder, and paper-mills, smitheries and machine-shops, \&c. Shipbuilding is carried on to some extent at Wilmington. The total number of ships built in the state in the year ending June 30, 1852, was 16 schooners, 5 sloops, and 2 steamers, with an aggrcgate tonnage of 2923 tons. Salt is made from sca-water at Lewis and Rehoboth.

Delaware has scarcely any direct foreign commerce, both the exports and imports being made through Philadelphia, Baltimore, and New York. In 1847 the exports were returned at 235,459 dollars, tbe imports at 12,722 dollars. In 1849 the exports had fallen to 38,229 dollars, the imports to 1400 dollars. Since that year no entry has been made of either exports or imports in the Treasury returns. The total slipping owned in the state in 1850 amounted to 16,719 tons, all of which was employed in the coasting-trade and fisheries.
Divisions, Towns, dc.-Delawsre is divided into threo counties, Newcastle in the north, Kent in the middle, and Sussex in tbe soutb; and these are subdivided into 25 hundreds. Dover is the capital of the state, but the principal town is Wilmington. The following are the only places which require notice here : the population, whon not otherwise expressed, is that of 1850 :-

Dorer, the capital of the state, population about $\% 00$, is built on high ground between the two principal branches of Jones Creek, in $39^{\circ} 10^{\prime}$ N. lat., $75^{\circ} 30^{\prime} \mathrm{W}$. long., 114 miles E.N.E. from Washington. The strcets are wide and lsid out at right angles. The state-house, a epacious and handsome edifice, occupies one side of a large central square, in which are also placed the county buildings. There are in the town four churches, ad academy, two schools, and a costly monument erected in memory of Colonel Haslett, who was killed in the battle of Princetown. The trade of the town is chiefly in flour with Ihiladelphia.

Wilmington, the principal port of the state, 37 miles N. by W. from Dover, stands on rising ground between the Brandywine River and Christiana Creek, about a mile above their confluence, and two miles above the Dclaware River: the population, which was 13,979 iu 1850, had increased in 1853 to 16,153 . The streets are widc, and cross each other at right angles; the houses are chiefly of brick, and well built. The town is well supplied with water from the Brandywine by means of extensive waterworks. The public buildings sre-a city hall, two market-houses, the usual county buildings, an arsenal, 19 churches, several academies, and a spacious hospital. Wilmington has now no foreign commerce, but it carries on an cxtensive coasting-trade, and has several ressels engaged in the whale-fishery. Vessels drawing 14 feet of water ascend to its wharfs in Christisna, and vessels of 8 feet dranght to those on the Brandy wine. Its vessels possess an aggregate tonnage of about 10,000 tons, of which about 2600 tons are propelled by stcam. The mannfactures of Wilmington are also important, full advantage being taken of the large amount of waterpower furnished by the Brandywine. Flour-mills are the most numerous, and some of them are among the largest in the Union. Gunpowder is made to a considcrable extent. The town stands in the inidst of a busy and fertile country, and sinco communication has been opened by railways with the principal towns in this part of the Union, Wilmington has been steadily increasing in business and prosperity. Five newspapers aro published in the town.

Christiana stands on the left bank of Christiana Creck, 33 milcs N. by W. from Dover: population of the town and district 3902. There are extensive flour sud gunpowder-mills, cotton-factories, \&c. Tho Philadelphia, Wilmington, and Bsltimore railway passes through Christiana Delaware City, on tho right bank of the Delaware, at the entrance of the Chesapeake and Delawaro Canal, 28 miles N. from Dover, though styled a city, is really a small village of about 60 dwelling-houses, warehouses, stores, \&c. Georgetown, the capital of Sussex county, 34 miles S . by E. from Dover, contains the conrthouse, jail, and other county building, and, with the surrounding district, 2318 inhabitants. Newcastle, the port of entry and capital of Newcastle county, stands on the Delaware, 31 miles $N$. from Dover : population, 3500 . Next to Wilmington, from which it is 5 miles diatant, Newcastle is the chief port of tho state. It is an old town, and was formerly the erpital of Dclawarc. It contains a court-house, jail, market-house, arsenal, five churches, screral schools, and a public library of 4000 volumes. There is a large manufactory of steamengines, locomotives, sic. The harbour is well protected by piers. The shipping of the port in 1850 amounted to 7259 tons, of which 1345 tons were propelled by steam. The shipping is almost wholly -engaged in the coasting-trade. Newcastlo is connceted by the Wii-
mington and Frenchtown railway with those towns and also with Baltimore and Philadelphia.

Government, Judicature, Education, dec.-The right of voting lelougg to all free white male citizens, 21 years of age, who have resided one year in tbe state, and one month in the county for which they offer to vote. The legislative body, styled the General Assembly, consists of a senate of 9 members elected for four years, and a house of representatives, consisting of 21 members, elected annually. The governor is elected for four years: his salary is $1333 \frac{1}{5}$ dollars.

The revenue from all sources for the year 1853 was 95,206 dollars, the expenditure was 60,419 dollars. The state has no debt, and has an invested capital of 350,637 dollars, aud a school-fund of 435,505 dollars. The militia of the state is composed of 9229 mcn , of whom 447 are coumissioned officers.

The judiciary consists of a superior court, picsided over by a chiefjnstice and an associate-justice, with salaries of 1200 dollars a year each, and two other associate-justices with salsries of 1000 dollars each; a court of chancery, presided over by a chancellor, with a salary of 1100 dollars; and an orphans' court, presided over by the chancellor and a judge of the superior court. The judges hold office duriug good behaviour.

In order to place a free school within reach of every family, 236 districts are laid off, numbered, and incorporated, in each of which a school is maintained. The number of scholars (only white children being admitted) was 10,230 in 1853. Besides these there are about 40 academies and grammar-scbools in the state, and two collcges. Delaware College, at Newark, bad 6 professors in 1853, with 45 scholars, and a library of 7500 volumes. St. Mary's Roman Catholic College, at Wilmington, had 3 professors in 1850, and 107 students. Amung religious sects the Presbyterians are much the most numerous in Delaware : in 1850 they had 42 ministcrs and 2600 members. The Methodists are the next most numerous sect: there are also many Episcopalians, Roman Catholics, Baptists, aud Quakers. Eleveu newspapers are published in the state.

This country was first settled by the Swedes, whom Gustavus Adolphus sent there in 1637 . In 1655 it passed into the hands of tbe Dutch, who ceded it in 1664 to the English. Its name is derived from Lord Delaware, the governor of Virginia, who in 1610 was the first to enter the bay, which thence received his name.
(Colton, Statistical G̛azetteer of the United States, 1853; Hassell and Smith; Darby; Warden; American Almanac, 1854, \&c.)
DELAWARE, a river in the United States, rises in the state of New York, between $42^{\circ}$ and $42^{\circ} 45^{\prime}$ N. lat., aud afterwards forms the boundary-line between Ncw York and New Jersey on one sidc, and Pennsylvania and Delaware on tho other sidc. It terminates its course of 305 miles about 5 miles below Newcastle in Delawsre, about $39^{\circ} 30^{\prime}$ N. lat., aud $75^{\circ} 40^{\prime} \mathrm{W}$. long.

The Delaware is formed by two branches, the principal of which, called the Mobawks, issues from a small lake near the borders of Schoharie county, New York, $42^{\circ} 45^{\prime}$ N. lat., at au elevation of $18 S 6$ feet above tbe sea. The other branch is called the Papachton; both rise on the western declivity of the Catskill Mountains, hardly 30 miles from the tide-water iu the Hudsou River. Both branches flow in a west-south-west direction for about 50 miles, and unite on the boundary of Pennsylvania. The river, now called the Delaware, flows south-east for about 60 miles to tbe juuction of the Neversink River. Hence it runs in a south-western and southern direction to the junction of the Lehigh at Easton, 65 miles, where it again turns to the south-east. After a course of 35 miles in that direction to Bordentown, it resumes its south-western course to the place wbere it enters the Delaware Bay, 5 miles below Newcastle. Tho tide ascends in this river 120 miles from its mouth to the rapids at Trenton. The frequent changes in its course are caused by four ridges of the Appalachian Mountains, through which the river breaks in an oblique line. In passing through the kittaning or Blue range it traveracs a remarkable ravine, two miles long, known as Delaware Water Gap, where the rocks rise precipitously 1600 feet from the edge of the water, in many places scarcely leaving room for a road. Though in its course above Trenton it forms 25 rapids within 60 miles, having a totsl fall of 165 fect, they are insufficient to prevent the navigation, which at seasons of high water extends by both branches into the state of New York. Ships of the line may ascend to Philadelphia, 45 miles above Delaware Bay, where the tide rises 5 or 6 feet, and sloops as far as Trenton, 80 miles above the bay.

The importance of this river has been greatly increased by tho discovery of extensivo coal-beds near the sources of its two largest tributaries, the Leligh and Schnylkill. The Lchigh joins the Delaware at Laston, and the Schuylkill 5 miles below Philadelphia. Thougb both these rivers, whose sources are between 1400 and 1500 fcet above the sen, and whoso course does not exceed 100 miles, are extremely rapid, a great portion of their course has boen rendered navigable by dams and locks, so that the produce of the coal-mines can be bronght down to Philadelphia.
The navigation of tho Delawarc liver as noticed under Delanware Statc, is united to thst of Chesapeake Bay by the Chesapeake and Delaware Canal, and they are further connected by the Newcastle and lirench-town railway. The Delaware is uuited with the Hudson River and tho bays of New York by tbe Delaware and Hudsou, the Morris,
and the Delaware and Rariton canal. Iy tho Union Canal the Shuylkill nsvigation is connected with that of tho suequejannan The Lehigh Canal connecte the Delaware with the conl-mines of Mauch Chunk on the Leligh.

11FLAWARF: MAY extend in a north-west dinection, between $30^{\circ}$ and $39^{\circ} 30^{\circ} \mathrm{N} . \operatorname{laL}, 71^{\circ} 50^{\circ}$ and $35^{\circ} 40^{\circ} \mathrm{W}$. long. Its entrance botween Cape May in New Jersey and Cajwe Henlopen in Delawaro is nearly 20 milen wide. It nferwanls grows wider, formiug on the east in open bay, 30 mllea wide, between Cape May and Egg lsland; it then gratually narrows, and is eonsidered to terminate 5 miles below Niewcastlo, at the ombonchure of the River Delaware. Its whole length is about is miles. The navigation is dificult aud dangerous on account of numerous shoale. Its low and mandy shores were without harbours, even for small vensels, until the government of tho Uniked Statos constructed the magnificent lreakwater withiu Capre IIeulopeg, moticed under Dzlawars, State of.
belemont. [bers.]
UELF'T, a large town in the province of Sonth Holland, 10 miles ly railway N.W. from Rotteriam, is an ancient aud gloomy place on the Schie, with 17,000 inhabitanta. Many of the streets ere divided by marrow rtagmant cannls ; in the centre of the town are two handsome atroets with broad canals and shaded with treea. The greater part of the conntry-houses inhabited by the wealthy merchants of Ifotterclam are situated ou the banks of the canal near Delft. This town was formerly famous for its pottery, to which it gave its mame; but this manufncture has been supplanted even in Holland by the muperior pottery of Fingland; the carthenware of Delf is now of the coarser kind, and not more then 200 persons aro employed in the manufacture. The principal buildings are-the New Chureh, which contains the monmments of Grotius and William I., prince of Orange, who was murdered at Delft, July 10, 1584 ; the town-house, which atands on one side of a large market-place, and opposite to the new church; and tho old chureh, which is distinguished by a leaning tower, and contnins the tombs of Leuwenhoeck the naturalist, and Admiral Van Tromp. At the entrance of the town, on an island formed by canals, is the state arsenal of Hollind, formerly the Dutch Fast Indin liouse, Manufactures of woollen cloths and tobacco-pipes are carried on. There is also a considerable trade is butter.

DE:LIIl, formerly a lange proviace of Hindustan, lying between $29^{\circ}$ and $31^{\circ}$ N. Lat, bounded N. by Lahore, F. by Onde and northern Hindustan, S. by Ajmeer and Agra, and W. by Ajmeer and lailiors. It exteads cant and weat from the hilly countries to the central desert, a distance of 240 miles, and in breadth, from north to south, about 900 miles. Tho proviuce is generally level. To the north of the city of Delhi is rifige of luw hills, which joins the mountains between the Sutlej and the Jumar Fixcept on the banks of the rivers by which it is traversed, the soil of the province is in a ligh degree arid and unproductivo, bnt great paius have been taken to remedy this disadvantage by means of irrigation. The prorince is watored by the Ganges, the Junna, the Caggur, the Chittung, and the fieraswati. In addition to these rivers several artifcial canals of great extent have been made. The canal of Ali Merdan Khan receives the pure water of the Jumns, not far from its source in the mountains, and conducts it 120 miles to the city of Delhi. This caanl supplies the inhabitants of Delhi with water for domestic purposes, that of the Jumm Kurnal being much impregnated with earthy salts. The canal of Snltan Feroze Shah commencea from Ali Merdam Khan's Canal a littlo below Kurnal, and is carried to the westward through Ilurriana to the frontiers of Bicancer. The Great Doab Canal joins the Jumna a fow railes below the place where it issuen from the morthern mountains, and is carried to the mo miver nearly opposite to Dolhi, a diatance of 150 milen It pasces through Saliaruupoor, Rampoor, Shamlee, and nome other towns, and give fertility to an extenaive tract of country. Wheat, bariey, gram, and other grains are produced in that portion of the province which lies betwcen the Jumns and the Sutlej, but the long-continued droughtn in the western parts of Dolhi are unfnvourable to liusbandry, and cxcept in the raing season the country in sterile and ubeultivated. The IRohilla district, lying betwoen the cant bank of tho Gangea and the kingdom of Oude, ham a fertilo wil and a genial climato, and is well watered. This dietrict producen sugar and wheat abundantly.
The city of Delhi was tnken by Mahmood about the jear 1011, aud laid under contrilution. The prorince was aftorwards the soat of empire under the Guarian or Aighan monarcha. The Mogul dynasty wan founded by Baber In 1525, the lant of the Afghan monarchis laving been dain by blm in battle. The throne continued in the ponemion of this monarch and his dencendants untill the cstablishment of the Englinh in 1ndis.

In the Jear 1788 the Rohillas became masters of the imperin city. In 1808 Lonl Lake, after dofosting Dowlut Rao Scludiah, took pomesaion of the city and territory of Dolhi, and assignod lands for the support of the Mogul, thenceforth entitlel King of Delhi.
The consequences of the Immerliato miminintration of the government by the Britinh lave boen highly fevoureble to the Inhabitnats. The whole popalation is well clad, which, in a climato whero clothing fin not of prime necesity a a protection from tbe elements, is considernble evidence of propperity. The tenure of the land has not been intarferod with by the Englinh, an in other proviacem of India

Settlements aro made with the village proprieters accorling to inmenorial itaga.

T'Te diatrict now cullerl Delhi, one of the six mlanintrative divisions of the North-Weatern l'rovincem, includes only a small portion of the former provinco. The area is about 8300 square miles, of which abont oue-half is under cultivation. The pupulation is about a million aud a hasf, of whom about a million are Ifinduos.
(licnnell, Memoir: P'arliamentary J'apers)
UEIIII, the capital of the provinco nbove described, is situnted on the right bauk of the Jumma, iu $25^{\circ} 40^{\prime} N$. Int., $77^{\circ} 10^{\prime \prime}$ lis. loug. Aecording to tradition this city was founlel 300 years befone the Cliristinn era by Deln. It formerly stoarl on the left bank of the Jumun, and is anil to have covered a space of 20 square miles. The prosent city was built in 1031 by the emperor Shah Jelan. Tho eity is about seven mile in circunference, and is aurromaded by walls constructed of large blocks of gray granite: several towers and bastions occur in the walls at interrals. It hns seven gates of freeshonc, aud coutaius the remains of several fine palaces, the former dwellings of the chicf omrahs of the empire. Thase palaces are eacli of considerable extent, and surrounded by bigh walls, coutaining baths, stabling, and numerous out-buildings. Thero ara several beautiful mosques in good preservation, of which the largest, built by Shah Jehan, in constructed of white marble and red andstone. There are two fine streets, one 90 feet broad and 1500 yards long, the other 120 feot wide and a mile in length. Down the midale of the first of these streets is an agneduct, supplied with water from Ali Merdan Khan's Cnanl. The uther streets are uarrow, but cuntain nuay good brick housen. The Mogul's Palace, built by Shah Johan, on tho west bank of the Jumna, is surrounded on three sides by a wall 30 foet luigh, and more than a mile in circumference. The chief hall of audience is an open quadrangular terrace of white marble, richly oruamentod with mosaic work and sculptures in relievo; and the chapuel of Aurengzebe, also of white marble, although small, is of beautiful workmanship. The gardens aro said to have cost a croro of rupeesoue ruillion sterling. The principal buildings of European crection are the nraenal, a chureh, and the college, with the residences of the officials. One of the most gencrally useful works of the emperor Shah Jehan in this city is the well, excarated by great labour out of the solid rock upon which the Jumma Musjeed is built. The water is raised from a grent depth by complicated machiuery to a succession of reservoirs, and fills a pond, from which the inhabitants obtain a supply.

This eity has at various times undergone great vicissitudes. In 1803 the eity and territory of Delhi passed into the possession of the British, and from that time the kung of Delhi lias boen a merely nominal sovereign, receiving a penaion from the British government, The populetion of the city is estimated at 200,000 . The trale of Delhi is still extensive, particularly in shawla, which aro bronght from Cashmero to be embroidered with gold and silk. The jewellers and ivory carvers of Delli aro celobrated for their skill and the delicacy of their workmanship. 1 considerable trade is carriod on in precious stones and in carnelians.

Among the ruins of the ancient city on the enstoru side of the river are some splendid mausoleuns in good preservation. About 1825 a college or madriasa was established by the Geueral Committee of Public Instruction, and funds were assigned for its support by the Company's goverument, in addition to which a rum equal to 17,000 . was preseuted to the college by Nawaub Islamaid-ood-Dowlah, late miuister of the king of Oude. Thero is another school at which the children of the native gentry are taught the Euglish language. In eddition to these establishmouts about 300 schools have been opened in Delhi and its vicinity for the iustruction of poor children. There arc severnl missionary churelses and schools in tho city. A jail, a lunntic nsylum, and other public buildinga have been recently crected by the Company's government.

Delhi is distant from Calcutta, by the Bubhum road, 950 miles; from l lombay, by Atımodabad and Ajmeer, 880 milos; frou Madras, by Ellichpore, 1275 miles.
(Remoll, Mcmair of a Mrap of Mimlustan; Mill, Mistory of British India; llober; Journals in India; Stocqucler, IIandlook of India; Parliamentary P'apers.)

DELOS, au isiand of the Archipelago, the smallest of the Cycladen group, lies in the strait hetween Mycoue and 1Rhenein. Aceording to the prectic tradition, it was originally a floating island, until I upiter fixed it fast to the bottom of the sea in onder to afford a secure restiug. place for Leto or Latoua to bring forth Apollo and Diana (Strabo, p. 485.) Ithed sevemal ancient names, as Ortygin, Cynthia, and Asterin. It was colebrated from the onrlicnt times as asent of the wormhip of A pollo, who was sad to have been bora there. His temple and that of hin mother, Latona, were in the town of Delos, whleh was built on a little plain on the west aide of the island, at the foot of a lofty mountain, called Cynthuk (Strabo, 13. 485.). The river luopus ran into the sea to the south of the town; and in the sacred inclosure was a diminutive circular hasin. (llerod. ii. 170; Tournefort, 'Voyage du Lerant,' tom. i.) Delon was a place of mevting for the lonians in the time of 110 mer ; and athlotic sporta, with dancing aud singing, were carried on there in honour of Apollo. (Thucyd. iii. 104.) Polyeraten, of Samon, consecratod the adjoining island, Rhencin, to the

Delian god, and joined it to Delos by a chain. Delos fell into the power of the Atheniaus in the time of Peisistratus, and then a partial purification of the island took place by the removal of the tombs which were within sight of the temple. In the year B.C. 426 a complete purification of Delos was made by the Athenians; all the tombs there were removed, and it was proclaimed that no one should thenceforth die or be born in the island, but that all persons likely to die or bring forth should be sent over to Rheneia. (Thucyd. i. S; iii. 104.) The Athenians instituted at Delos a festival, which returned at the beginning of every fifth year, called the Delia, aud sent thither annually a sacred vessel, called the Theoris, in commemoration of the delivery of Athens by Theseus from the Cretan tribute. (Plat. 'Phedo.') The Persians regarded Delos with so much veueration, that when they were sailing to Euboca, in B.C. 490 , they would not land there, but sent to offer a most sumptuous sacrifice to the Delian Apollo. (Herod. vi. 97.) It was probably on account of the respect which all parties paid to this temple that the Athenians sclected it as the depository of the trihute which thes collected from their allies after the Persian war. (Thncyd. i. 96.) In B.c. 422 the Athenians remored the whole population of Delos to Adramyttium, where they were allowed to settle by the satrap Pharnaces (Thucyd. F. I), and wherc many of them were afterwands treacherously massacred by the Persians, (Thucyd. viii. 108). When Corinth was destroyed hy Mummius, Delos succeeded to the commerce of that city, and was for a time very flourishiug; but the generals of Mithridates having landed there in the war between that monarch and the Romans, the island was laid waste hy them, and remained in a state of great desolation. (Straho, p. 4S6.) In the days of their prosperity the Delians carried 011 a very extensive slave-trade with Cilicia, and 10,000 slaves are said to have been landed and sold in a single day. (Strabo, p. 668.) The island was formerly famous for its palm-trees; there are none now on the island. Delos is little more than a mass of hare rock abont five miles round. The town Delos stood iu a plain at the foot of Mount Cynthus, a bare granite rock 400 or 500 feet high, on the sides and summit of which are some architectural fragments of white marhle. The building that stood on the summit seems to have been an Ionic temple. The town is now a hcap of ruins. Wholo shiploads of columns and other architectural remains were carried off ceuturies ago to Venice aud Constantiuople. The chief buildings lay between the circular basin and the harbour. The ruins of the great temple of Apollo may be distinctly traced; and there are still remains of tho colobsal statue of Apollo dedicated by the Naxians. The only inhahitants now are a few shepherds and goatherds from Myconus.


Coin o! Delos.
British Muscum. Actual size. Copper. Welght, 55 grains.
The island of Rhencia, half o mile distant, is larger than Delos, being ten miles round. It consists of two parts connected by an isthmus. The southern part was the burial place for Delos, and still contains numerous tombs, On both Delos and Rheneia are ruins of many private houses. Both islands are now called Dhiles.
(Leake, Northern Greece.)
DELPHI, now CASTRI, a town of Phocis, celcbrated for its oracle of Apollo. Its original name was Pytho, which some derive from $\pi \cup \theta$ 'roal, 'inquire;' others from the serpent Pytho, which Apollo slew here; and Homer does not call it by its more modern appellation. There was a legend that two eagles sent by Jupiter from the east and west met at Delphi, aud in the temple was a stone adorned with two golden eagles and other devices, which was called the navel-stone, signifying that Delphi was the navel of the earth: representations of this may be seen on many ancient monuments. The oracles were delivered by a priestess, who sat upon a tripod placed over the mouth of the cavern in which the serpent Pytho was buried, and who, having exhaled the vapour, pronounced somo prophecy in verse or prose; if in prose, it was afterwards set to verse by the poets attached to the temple. The great reputation of the Delphian oracle made it the richest shrine in Greece, as every person who was satisfied with the response he obtained made a point of offering some costly donation to the temple. The first stone temple at Delphi was built by Trophonius and Agamedes; this having been destroyed by fire B.c. 548 , a new ono was built by the Amphictyons from the proceeds of a voluntary subscription to which Amasis, the king of Egypt, largely contributed. Tho Alcmanidx, who contracted to build it, very liberally substituted Parian marble in the front of the buikding for the commou stonc of which they had undertaken to construct the edifice. (Herod. ii. 180; v. 62.) The wealth of Delphi naturally attracted plunderers. The Persians under Xerxes made an unsuccossful attempt to get possession of the treasures accumulated there. (Herod. viii. 37.) The Phocian leaders in the sacred war did not hesitate to appropriato thern as a fund for the pryment of their mercenaries (Strabo, p. 421); aud Brennus, or Bran, the Gallic king, subscquently carricd off the
greater part of the offerings which remained. (Strabo, p. 188.) There were however still some objects for the rapacity of Nero, who carried off 500 bronze statues at once. (Pausan., 'Phoc.' 5.) The city of Delphi, which was the largest in Phocis (Pausan., 'Phoc.' 34), was situated in the narrow vale of the Pleistus, on an elevation, sixteen stadia in circumference, at the foot of the south side of Parnassus (Strabo, p. 418); and as the focus of the Dorian religion, and the seat of the most celehrated oracle in Greece, it naturally became populons and wealthy. The population consisted of Dorians, who formed the privileged class, and of the descendants of the bondsmen of the temple. The constitution was originally monarchical (Müller, 'Dor.' iii. 6, § 10); the kings were also called Prytanes. (Miiller, iii. 8, § 3.) The Dorian families made an oligarchy, from which the priests, the Pythian court of justice, and a limited senate, were choseu. (Müller, iii. 9, § 17.) Delphi was from very early times the rendezvous of an important federal umion, or amphictyony, the organisation of which is attrihuted by Strabo to Acrisius. (Thirlwall, 'Hist. Greece.')


Coin of Delphi.
British Museum. Actual size. Silver. Weight, $22 \$$ grains.
The topography of Delphi, and the remains still existing there, are accurately described by Leake, 'Northeru Greece,' vol. ii. ; and by Ulrich, 'Reisen und Forschungen in Griechenland.'

DELTA, the name of the fourth letter of the Greek alphabet. It was originally given by the Greeks to that part of Lower Egypt which, bcing comprised betweeu the two main branches of the Nile and the sea, had a triangular form, somewhat resembling the Greek letter $\Delta$. The same name has sinco been oxtcnded to all those alluvial tracts, whether of triangular fomn or not, at the nouths of rivers which empty themselves into other rivers, into lakes, or into the sea by two or more diverging branches. Of the different circumatances which contrihute to the formatiou of deltas two are essential: first, the river, in the lower part of its course, must open out or spread sufficiently to have tho motion of its waters considerably retarded; and secondly, it must either bo hahitually or periodically charged with fine detrital matter, which it deposits when its motiou is diminished or its progress checked.
The principal deltas of Europe are those of the Rhone, the Danuhe, and the Po. Many other rivers however form deltas, such as the Ebro, the Vistula, the Neva, the Dwina, the Don, \&c. The delta of the Rhine has been, as it were, obliterated by the irruption of the Zaydersee, though the whole of Holland is a formation of deltoid islands, created by the anastomosing branches of the Rhine, the Meuse, and the Schelde. The deltoid form of the mouths of the Petchora is no longer recognisable in the group of islands at its embouchure.
In Asia, the principal deltas are those of the Ganges, the Indus, the Irrawaddi; the Cavery, the Euphrates, the Oural, the Lena, and the Kolima.

The Volga, before entering the Caspian, is split into a great number of branches; but the space which they inclose, in strictness, bears little resemblance to a delta.

In Africa, the Nile and the Niger ; and
In America, the Mississippi aud the Orinoco form the principal deltas.

DELVI'NO, a town, or rather large village in the interior of Albania (Turkey in Europe), in a rich plain at the foot of the south-western slope of the mountain range of Khimára. It is 45 miles N, W. from Janina, and about I5 miles N.E. from Butrinto. It was formerly the residence of a pasha, and had a population of 8000 , but the population is now said to bo greatly reduced. Thero is a castle at Delvino, and a Greek hishop still resides iu the town.

DEMBEA [Abyssinia.]
DEMERARA. [GUYana, British.]
DEMETRIO, SAN. [ABRUZZo.]
DEMONA, VAL DI. [NA1LES; SICILY.]
DENBIGH, Denbighshire, the county town, a municipal and parliamentary borough, and market-town in the parish of Denbigh, is situated in the vale of Clwyd in $53^{\circ} \mathrm{I} 0^{\prime} \mathrm{N}$. lat., $3^{\circ} 23^{\prime} \mathrm{W}$. long.; distant 213 miles N.W. from London. The population of the borough in I851 was 5498. It is governed by four aldermen and twelve councillors, one of whom is mayor; and with Ruthin, Holt, and Wrexham returns one memher to the Imperial Parliament. The Epiphany and Trinity quarter-sessions are held here; the other sessions and assizes are held at Ruthin. The living is a rectory iu the diocese and archdeaconry of St. Asaph.
The town of Denbigh is built on the rugged sides of a steep insulated hill, the summit of which is crowued by the picturesque ruins of the castle; the principal street contains several good private residences, The original town was situated on the summit of the rock, but ahout the middle of the I6th century most of the streets were demolished, and the town was almost descrted; a new and
much more convenionl town was then formed about the bottom of the roek. The walls of the old town were of great strength.

Denbigh castle appean to havo boon oroeterl by Ifenry l.aey, osrl of Lincoln, upon whom Fidward 1. conforred the lordship of this place on the death of Llewellyn, the last prince of Wales. The castlo walls wero of extraordinary strength: the outer and inner faces were built in the usual wis, and the Interval was filled with rough stomen of all sizes and with a grouting of hot mortar, which, on cooling, furmed a mass ms lard as stonc. The grand entrance to the castle, a maguificent pointed archway, with the statue of the foundor in a uicho over it, in tolerably good preservation, still romaius: thero aro aluo portions of two largo octagonal towers which flanked the eatrance. The walls, which rua round the brow of the hill, inclose a considerable area, partly used for pasture, and partly as a bowling-greon. Fiward IV. was besleged in this castle by the army of Heary VL, bnt he mado his escape beforo the castle surrendered. Charles I. came here on his flight from Chester after the battle of Jowton Heath In 1645, and the tower in which he is aail to have lodged is now called the King's Tower. The garrison withstood the Parlinmentarians for above two montha, and then surrendered only by order of the king. After the restoration of Charles 1I. the castle was dismantled, but owing to the excessire thiekness of the walls it wan found necessary to blast them with sunpowder.

Tho town is well-paved and lighted, and possesses a mechanics institution, a dispensary and infirmary, a lunatio asylum, and a new aud linndsomo market-place. The parish church is at Whitchurch, about a mile from the town; it is very ancient. It las been recently reprired. A chapel near the castlo gate, within the old town walla, onco belonged to tho old castle, and was dedicnted to St Milary. Thero is a church for the Welsh portion of the inhabitants. The Independenta, Calvinistic and Wesleyan Methodists, Baptists, and Plymonth Brethren have places of worship. There aro National sehools, a Iritish sehool, two Endowed schools, a Frce grammar sehool, and a Bluo-Cont school. Denbigh has a considerable unaufactory of gloves and shoes; tanning is extensively carried on. The markets aro held on Wednesday and Saturlay; there aro six fairs in the year. The neighbourhood is greatly celebrated for the beauty of its scenery.
(Land IVe Live In, vol. iii.; Pennant, North Ilales; Cliffe, Book of North Ilales: Parry, Cambrian Mirror: Bingley, North Wales; Communicalion from Denbigh.)

DENBIGHSIIIRE, a county of North Wales, of rery irregular form. It is bonnded N. by the Irish Sea; N.E., by the connty of Flint; E. by that of Chester, from which it is separated by the Dee; S.F: by a detached part of Flintshlre, and by Shropshire, from both of which it is also separated by the Dee; S. by Montgomeryshire; S.W. by Jerionethshire ; and W. by Caornarvonshire, from whieb it is separated by the river Conway. A small detached part of tho county is ineluded between Shropshire and Montgomeryshire. Its greatest length, from north-west (Llan Drillo khos, near Little Ormo's Ilead) to sonth-ast (lan Gedwyn, on the river Tanat), is 41 miles; its greatest breadth from the extremity of the eounty near Eaton Ilall (which is in Cheshirc) to the source of the Jhaiadr, which flows into the Tanat, is about 29 miles. The area of the county is about 603 square miles: tho population in 1851 was 92,583.

Surface, IIydrography, and Communications-The IIiracthog hills, whleh occupy the westerm side of the county towaris Caernarvonshire, exteud from the north-western extremity of Denbighshire, near Little Orine's Head, in a south-bouth-cast direction, skirting the valley of the Conway, to which they present their steepest side; on the east side sereral ridges of hills varying in length from 5 to 10 miles, run out laterally from tbe princlpal range. The Iliraethog lifls, with these lateral branehes, form one of the most extenaive aud dreary wastes iu the pripeipality of Wales, stretching in length from 25 to 30 miles, from the nelghtourhool of little Urme's Ilead to near the town of Corwen (Dlerionethshlre), on tho Deo; and In breadth accorling to the extent of the lateral ridgen. The geneml covering of these lillls is hesth or ling: the hollows and flats abound with excelleut peat for fuch. The prinelpal summit of the Hiraethog range is \$lodwl Fithin, 1660 feothigh. In the branch ridges the highest summit ls Bronbanog, near the source of the Clwyd, 1572 feet. The eastern side of the county, aljncent to Flintahire, is oceupied by part of two parsllel rangos of hilla (the western range called the Clwydian hllis), which commence on the coant of Fintsblre, and enterlng Denbighsilire run wouthward moro than 20 miles towarde the ralley of the Dee, and are united by the hills whieh form the northerm side of that valley to the Jliracthog range alrendy described. The whole may be considered as forming ono range 60 to 65 unlles long. In the form of a liome-ahoe, or nf the letter U, and loclosing the benutiful and fertile rale of Clwyd, The Clwydias hills and the parallel range luelose a valley watered by the river Allen (Alen or Alyn) a tribulary of the Dee. The principal miminita of the Clwyrian and parallel ranges vary In helght from 1191 Feet to 1858 feet. The Berwin hills, whieh neparate the borln of the Dee from that of le tributary, the Celring, and the hills whiels meparate the boin of the Celrog from that of the Taunt (whone watern Dow, though not immediately, into the Severn), occury the southern part
of the connty. Cefn Ucha, in the Berwyr muge, south of the town of Llangollen, is 1316 feet high.
The waters of Denbighahire fiud an ontlet into the sen ehiefly by the Conway, the Clwyd, and the Dee, not ono of which has its restuary within the county. The Conway carrio off the waters of tho western slope of the Ilirathog hills: the Clwyd dralns the country inclosed between the Jliracthog and the Clwydian hills, except a small part which in drained by the Alwen, a foeder of the Dee; the Dee roceives by several tributaries the waters of tho rest of the county. The Conway is noticed under Caeraarvorsurae. Its Denbighahire tributarice are all small, for the hills on whose slopes they rine are near the main stream: those trihutnries are the Serw, which flows from Llyn Serw and joins the Conway near its sourco, the Clettwr, the stream from Cernioge, tho Afon IWch, the stream which pasmes Figlwys Fieh, and many other smaller streaus Tho Clwyd rises near the lill Bronbanog. [CLwrD.] The width of tbe vallyy of the Clwyd ailows the formation of several large affluents. Tho Dee touclses the border of tho county 4 or 5 milen below tho town of Corweu (Merionethshire), and after separating it from 3leriouethshiro for a mile or two, quits tho border and crosses Deubighshiro in a winding course from west to east through the vale of Llangollen, 1, nssing the towu of Llangollen, and W゙ynnstay, the seat of Sir W. W. Wynn. A little below Wynustay it reaches the border of tho county, and divides it from Shropshire, a detached part of Flintshire, and Cheahire, until it finally quits Deubighshire a little above Eaton Hall. That part of the courso of the Dee which is upon or within the border of the county, may be estimated at moro than 40 miles; the river is not navigable till after it leaves Deubighshire. Of those feeders of the Dee which belong to Denbighshire, the Whaiadr or Moch, the Alwen, the Ceiriog, the river wbich rises at Minera and prsses near Wrexham, and the Alen, or Alyn, are the chief. [Der.] The Rhaialr, or Moch, is a small stream which forms tho boundary of Denbighshiro aud Meriouethshire. Ita longth does not excced 7 or 8 miles, but it fomm in its course the celebrated waterfall of Pistill Hhaiadr. This fall, which is the loftiest and perhaps most pickuresque waterfall iu North Wales, is brokeu into two parts; its total height is about 200 fectu The southern border of tho county is skirted for about 5 miles by the Tanal, whieb flows by the Vyruwy into tbe Severn. The IWrch, the Cwmrhiw, and one or two other aflluents of the Tanat beloug to Denbighshire, but they arc small. Some small streans in the northern part of the county flow directly into the sea between tho Conway and the Clwyd. Tho Dolwen, the largeat of them, has a course of not moro than 8 miles.

There is in Denbighshire a navigablo feeder of the Ellesmero Canal. It is taken from the Dee near Llan Tysilio, in this courty, and follows the valley of that river to the ueigbbourhood of lluabon, where there is a short railroad frou the canal to Ruabon brook. The canal theu turns abruptly, and erossing the river Dee, over which it is carried by the aqueduct of Pont Cysylltau, runs southwand to the river Ceiriog, over which it is carried by another aqueduet bridge, and thence into Shropshire. There is another large aqueduet bridge orer the Ceiriog, built of stone, which is 600 feet in length, and is supported on 10 arehes at an elevation of 65 fect above the river.
Of the roads which cross Denbighshire the most important is the jarliamentary mail road from London to Holybead, whieh was, until recently, tho prineipal chanuel of communication between tho aletropolis and Dublin. It enters Donblghshire near tho village of Chirk, and rums nortbward to near the Dee, where it turns to the west, and passing through Liangolleu, enters Morionethshirs. It afterwards re-enters Deubighshire, whieh it fimally quits by erossing the Conway at Bettws-y-Coed. The mail road from London to Holylicad, by Chester, enters Deubighahiro betweeu St Asaph and Abergele, and guits it at tho bank of tho Conway. The Choster aud Holyhead railway enters the couty uear lhyll aud passes aloug the coast to the bank of the Conway, a distance of about 14 miles, where it entere Cacrnarvonohire. The Choster and Shrewoury railway enters the county a fow miles north from Wroxham, and proceeding sonthward quits it near Cbirk, a distance of about 12 miles.

Geology, Mineralogy, dec.-In describing tho geological charneter of this connty, wo shall notice the principal roeks which are found in it in the order of superpoaition, beginning with the uppermont, the rod marl or new red-bandstone. Thin rock oecupies part of the const ou the north of the county, and skirts the Clwyd from its mouth to above Ruthin. It is fourd also oceupying a considerable tract in the enstern part of the county, along tbe lee, extending from that river to the town of Wrexham: aud again it ls found in the valloy of tbe Cciriog, near the village of Chirk. The cosl inmaures which underlio the rod marl, and which form tho coal-fleld of Flinthire, extend from that county Into Deubighohiro as far ms Wrexham, and again appear in the valley of the Dee, extending from luabon to Chirk. Coal is dug near Wrexham and lin the neighbourhood of liuabon. Common, cannel, and peacock conl aro found in these conl-measures. The coal-measures rest on a baso of slanlo and sundstone, anewering In position amb clarneter to the millstone grit of Derbyshire; thin base rises to the surface, and occupics n marrow strip of the county extending from Flintahlro south enat to Wresham, and from that town south by west to Chirk; after which It contloues Into Shropabire, eklirtlog the Flintehtro and liuabon coal.\{elds. The shale is succeeded by carboul.
fcrous limestone or mountain limestone, which extends from the eosst, in the neighbourhood of Great and Little Orme's Head (both these promontories consist of this rock), and forms part of the masa of the hills that extend from tbe Hiracthog hills to the vale of Clwyd. A considerable part of that vale, and the upper part of tho valley of tbe Alen, scparated from it by the Clwydian hills, are also occupied by this limestone, which extends sonth-east from the vale of Clwyd across the vale of Llangolleu into Shropshire. The older red-sandstone, which underlies the mountain limestone, occupies a narrow belt of tbe surface, skirting the district which has just been described as occupicd by the limestonc. The Hiraethog hills are formed principally of transition limestone. The rest of the county is occupied by the clay slates and grauwacke slates, which are so abundant in Wales. (Conybeare and Phillips's 'Outlines of the Geology of England and Wales:' Greenougb's 'Geblogical Map of England and Wales;' 'Geological Map of the Society for Diffusiou of Useful Knowledge.')

Tho coal-mines of Wrexham and Ruabou have beeu already mentioned. There are some old lead-mines near Abergele, on the coast: others in the rauge of limestone hills which run parallel to the Clwydian lills ou the east, and others again in tbe neighbourhood of IRuabon. On the western side of Great Orme's Head copper is worked. Iron ore is dur at Ruabon aud in the neighbourhood of Wrexbam. Slate is quarried near Chirk; millstones are procured in the hills which bound tho valley of the Ceiriog, and freestonc for building in various places, especially near the coal-field.

U'aisions, Towns, dec.-The ancient districts and subdivisious of North Wales were superseded by tbe modern counties and hundreds, which were introduced as late as the reign of Henry VIII. By statute in tbe 27 th year of Heury's reign, four shires were formed in Wales, of which Denbigh was one: these were subdivided into hundreds; and it was euscted that tho English laws should from thenceforth be in force through Wales, all laws, customs, and tenures inconsisteut therewith being for ever abolished. Tbe present hundreds are sixnamely, Bromficld, Chirk, Isaled, Isdulas, Ruthin, and Yale. Tho county contains one principal borough aud market-town, namely, Denbigh : two market-towns, which are contributory boroughs to Denbigh, namely, Wrexhay and Ruthen; one borough which has no market, Holt; and two market-towns, Llangollen and Lusinwst. Holt and Llangollen we notice here, the other towns will be found described under tbeir respective titles.

IIoll is on tho river Dec, which here separates Denbighshire from Cheslive, 6 miles N.E. from Wrexham: population of the borough 1029 in 1851. In the civil war of Charles I. Holt Castle was garrisoned for the king, but was seized in 1643 by the parlimmentary troops. Scarcely any relics of it aro left. The town is an irregular assemblage of streets or lancs; the main street leading down to the bridge of ten arches over the Dee, hy which Holt is united to tho village of Farndon. 'lhis bridge was built in 1345 ; there aro relics of a guard-houso in the middlo. The chapel of Holt is a plain building in the perpendicular stylc. Thore are a chapel for Baptists, and a liree school. The population is chiefly cngaged in agriculture. There are two cattle fairs in the jear.
Llangollen stands on the right hank of the river Dee, and on the parliamentary mail-road from London to Holyhead, 184 miles from London; the Llangollen road station of the Chester and Shrewsbury railway, which is 4 miles from Llangollen, is 198 miles from London: the population of the cntire parish, which extends over an area of 20,176 acres, was 5260 in 1851 . The vale of Llangollen is much resorted to by tourists on accouut of its picturesque beauty and its antiquarian remains. The streets are narrow, and the houses are built of a dark shaly stoue. The bridge was built by John Trevor, bishop of St. $\Lambda$ saph, who dicd in 1357 ; it consists of five arches, the widest not having more than 28 feet span. The inhabitants are engared in agriculture, in quarrying stoue, in burning lime, and in the msunfactnre of flanucl, cotton goods, and earthenware, and in ironworks and collieries. The market is on Saturday; there are five fairs in the ycar. The Ellesmere Canal passes through the parish. The church is a plain olifice. Tbere are places of worship for Independeuts, Baptists, and Calvinistic and Wcsleyan Methodists. Castell Dinas Bran, whose remains nearly eover the summit of the conical hill on which it is placed, is on the uorth bauk of the Dee, just opposite to Lllangollen. It was built of the coarse stone of the country, with here and there a few frcestono mouldings. Llan ligwest, or Valle Crucis Abbey, is just within the parish of Llan Tysilio, and ou the border of that of Llangollen. Thereare some beatiful remains of the church and of a part of the abbey, the latter now converted into a farm-house. A short distance from the abbey is the remainder of a round pillar, called the pillar of Eliseg, probably the most ancient British ingcribed pillar existing.

The following aro some of the more important villages, with tho populations in 1851 and a few other particulars:-

Abergele, 11 miles N.N.W. from Denbigh, population of the parish 2855 , lies at a short distance from the coast. It is much resorted to in the summer as a batbing place. A cousiderable quantity of limestone is shipped herc from the Llysfaen quarries. During the summer a small market is held on Saturday. Givrych Castlc is an extensivo modern mansion in a fino situation. Chivk, 22 miles S.E. from GYOG. DIV, Vot. II.

Deubigh, populstion of the parish 1590, is a village near the north bank of the Ceiriog, on the road from Oswestry to IRuabon and Wrexham. A considerable number of the inhabitants are employed in coal-pits, stone-quarries, lime-works, and some paper-mills. Threc faius are held in the year. The Ellesmere Canal runs by the village; the Shrewsbury and Chester railwsy has a station at Chirk. Chirk Castle, built by Roger Mortimer in the 13th century, on the site of oue erected in 1011, is a large oblong square, built round a quadrangular court, and inclosed by massive walls strengthened by round towers at the corners: a fifth tower is close to the entraucc. Tbe interior is handsomely fitted up, snd contains, among other apartments, a gallery 100 feet long, adorued with the portraits of many public characters of the time of Charles II. From the castle grounds the prospects are of great beanty and extent: it is said that seventeen counties may be seen from one spot. Giesford, 23 miles E.S.E. from Denbigh : population of the township 614. The church, an interest ing structure partly of the perpendicular style, is situated on an cminence. The Shrewsbury and Chester railway has a station at Gresford. Near the village are vestiges of a British fortress. Pentre Voclas, 14 miles S.W. from Deubigh, population 561, is chiefly noteWorthy as being a rather favourite station for tourists and anglers. At Cernioge, a few miles from Pentre Voelas, the finest view of tho cutire Snowdon range may be obtamed. Near the village is Castcll Coch, an earthwork of uucertain date. Ruabon (or according to the Welsh orthography, Rhiw Abon) is a village at the junction of the roads from Oswestry and Llangollen to Wrexham, 25 miles S.E. from Denbigh : the population of the entire parish, which covers an area of 14,364 acres, was 11,507 in 1851. The church, which is spacious, is adorned with some elegant monuments of the Wynn family, espe cially one by Rysbrack, to the memory of the first Sir Watkin Williams Wynn, who died in 1747. There are several Dissenting meetiug-houses in tho parish, also two sets of almshouses. Many of the inhabitants are employed in the collieries and iron-works: the iron-ore is partly dug in the adjacent hills, and partly brought from Laucashire. Tho Ellesmere Caual passes through tho parish; there is a mincral rail way to IRuabon Brook, and the Shrewsbury aud Chester railway has a station here. A market is held every Monday. Three fairs are held in the year. Wynustay, the seat of the Wynn family, is at Ruahou, the entrance to the park being immediately from the village. The grounds are of great extent and very beautiful. Tho house contains some good pictures. In the parish is an ancient British fortified post : the area is about 4 acres, and it is defended by two ramparts and two ditches: the inuer rampart is a massy wall, on the top of which is a carriage drivo. In the vicinity of this post, in 1161 or 1162 , Owen Cyfeiliog, princo of Powys, defeated the English, and commemorated his victory in a poem called 'Hirlas Owain,' 'the Drinking Horu of Owain.'

Divisions for Ecclesiastical and Legal Purposes. -The couty of Denbigh is for the most part comprchended in the diocese and archdeaconry of St. Asaph : a small psrt is iu the diocese and archdeacoury of Bangor, and several parishes are iu the peculiar jurisdiction of the Bishop of Bangor. A very small part is in the diocese and archdeaconry of Chester. According to the 'Census of Religious Worship, taken in 1851, there were then iu the registration county (which includes a population of 4332 more than the county proper) 341 places of worship, of which 98 belonged to Calvinistic Methodists, and 73 to other bodies of Methodists; 76 to the Church of England; 49 to Indepeudents; 31 to Baptists; and 14 to smaller bodies. The total number of sittinga provided was 78,120. The county is divided by the Poor-Law Commissiouers into three Unions, Llanrwst, Rnthin, and Wrexham, which inclnde 82 parishes and townships, with a population in 1851 of 69,375 , but the boundaries of the Unions are not strictly coextensive with those of the county. Deubighshire is included iu the North Wales circuit: tbe assizes are held at Ruthin; and the quarter sessions alternately at Rutbin and Denbigh. County courts are held at Denbigh, Llanrwst, and Iuthin.

History, Antiquities, de.-Denbighshire, before the conquest of South Britain by tho Romans, was comprchended iu the territory of the Ordovices, a powerfnl tribe, into wbose domiuions Caractacus in his last struggle against the Romans transferred the seat of war, and whose subjugation was not completed till the time of Agricols. In the Roman division of the conquered part of the island, Denbighshiro was included iu Britannia Secunda. Of monuments of the time preceding the Roman conquest may bo noticed two kistvaens, or stone eells, mentioned by Camdeu: and perhaps tho tumuli at Lan Armon yn Yale. At Abergele are the remains of a British post, called Coppa yr Wylfa, or tho Monut of tho Watch Tower; hut we know not to what period it is to bo referred.
When the Saxons established themselves in Britain, Denhighshirc, as beiug on the frontier towards Mercia, oue of the kingdoms of the heptarchy, or rather octarchy, established by that people, became the scene of frequeut struggles. To the time of these struggles we may refer some existing monuments, as the pillar of Ebseg, near Llangollen; and the famous dyke, or ditch, called Offa's Dyke, mado by Offa, king of Mercia, as a barrier against the predatory incursions of tbe Welsh. This ditch is strengthened at intervals by small forts ou artificial mounds ; several of the mounds yet remain. The ditch is ou tho Welsh side of tho mounds. Tbe dyke crossed that detached
part of the connty whleh is coutaived in the pariah of Llan y Mrneich, enterel llenbighablre by the hills on the eouth side of the valley of the Ceiriog, pasead near Chirt Castle and lluabon, and so into Flintshira Although inamfficient as a military work to keep off invaders, it was the recoguined houndary of England and Wales; and heavy penaltios were denounced agaiust all Wolshmen who should be found ln arms on the Eng!inh ride. A dyke, called Wat'r, or Watt's Dyke, equal to that of Ofra in depth, though not in extent, runs parallel to it through this county. It enters INonbighshlro 2 or 3 miles to the cast of Offis Dyke, erases the Ceiriog and the Dee, and runs through Wynastay (once called Wattotay) l'ark, past Wrexhan, and across the Alyn into Flintshire

About the year 828, Denbighalilre was orerrun hy Egbert, king of Weanex, who had acquired for that kingdom tho permanent supremacy of the Anglosaxon kingdoms The Britons howerer seem to have recoveral the territory approprinted by Offh, whech included part of Deabighshire. The country thus restored to its original masters was incladed in Powy or P'owssland, one of the subdivisions of Wales. The consolidation of the power of England under the Norman princea sgain subjected the Welsh to the pressure of a superior hostile power. Denbighshire fell into the power of Edward I. in 1277, being ceded by Llewellyn, the last prince of North Wales, at the close of his first struggle with the amhitlous and politic king of England. In the subsoquent revolt of the Welsh prince and his brother David in 1282, it reverted to it native masters, but the death of Llewellyn and the exceution of David as a traitor, again and finally placed it under the English dominion.
In the insurrection of Owen Clyndwr, in the civil war of the Roses, and again in the great civil war of the 17th century, Denbighshire becume the scene of contest. In 1645 a considerable body of Welsh and 1rish rognlists under the command of Sir Willinm Vaughan, marchlng to the relief of Chester, wero attacked and defeated near Denblgh by a detachment of the parliamentary army under General Mytton. In February 1645-6, the castles of Ruthin and llolt were simultaneously attacked by Blytton, and surreudered after a siego of two months. The conqueror then marched to Denbigh, the castle of which ho Leaieged in July: it held out till Novemher, wheu it surrenderci on honourable terma. In the year 1659, Sir Thomns Myddleton and Sir George Booth made a premature attempt to restoro the Stuarta. Denbighshire has not been tho acene of any public crent of intercot since that time.
In 1851 the county possessed thres savings banks-at Deubigh, lluthin, and Wroxham. The total amount owing to depositors ou the 20 th of Norember, 1831, was $36,593 \mathrm{Sh}$ 118. Tid.

## DENDER. [Flanders, East; llainaule.]

DENDBEBAll, the Tentyra of the Greeks and Romans, a ruined town of Upper ligypt, near the left or west bank of the Nile, and nearly opposite Kenel, is celebratal for lts tenple, which is tho hest preaerved and one of the most splendid in all Egypt. Its remains occupy a vast extent of ground, and consist of various huildings and propyls, besides the temple itself. They are inclosed, with the exception of one propylon, within a square wall, the side of which in 1000 feet, and built of sun-dried brick. The wall is in some parts 35 feet ligh and 15 feet tbick. The handsome portico in front is formed of 26 columns rangel in four rows, with quadrangular capitals, having a colossal head of Isis, or as some say of Athor on each side, nurmounted by another quadrangular menber, each face of which contains a temple doorway with two winged globes above, and other decorations. The shafts of the columns are perfectly cylindrical and of equal diamoter all through, and the whole height, ineluding the base, the qualraugular capital, aud do above that, is 46.10 1:uglish feot. The front la adomed with a beautiful corifice and a frieze eovered witb figures and hicroglyphles, over the ceutro of whlch the winged globe is predominant On all the walls, colnmns, architrayen, and ceiling there is uowhere a space of two feet that is not coverel with nome figures in basso-riliovo of human beinga, auimale, plants, emblems of ngriculture, or of rellgious ceremonles. The interior chambers of the temple are likowleo covered with sculpturcs, among which the figure of lais is repeated in numherless instances, an whe appenrs to lave been the presiding deity of the place. The light in the chambera comes lu throngh smanll holes in tho wall ; the sanctuary ltself is quite dark. The ceillng of the port loo ls occupied ly n number of mythological Ggures, among whlelh the Fronch anvans thought tiey recognised the sigun of the zodiac ; but as the Crab is wanting, recont travellers aad erchasologists are of opialon that it is no zorlinc, but a colloctlon of mythological omblems, wlthout any refercace to astronomy. On the cast side of the temple there are nome apartrnente, both on the ground Boor and upper story. Ont the celling of one of the intter, under the roof of the tomple, there was another amemblnge of mythological figuren resembling those ou the ceiling of the portlon, though fower In number and differently arranged. This why called a planinphere or zodinc, becaume lu the zniddle of it figuren similar to the signs usually moptod to reprosent the twelvo constollations were obwerrel. Thene figures however prolahly reprement mercls gods and goddesses and religious procesolous. Tho an-called zodisch of Denderah have glven ring to a warm dlscusslon connected with the truth of the Momic histery of the workl. It in now gencrally believel that the temple of Denderah, with lts zodinen,
is anotollor than the period of the Prolernies. The ciroular kodino in the uppor chamber of the temple of Denderah, which was aculptural on a kind of enndntone, was cut out of tho ceiling hy a Frenchman, with the permisaion of Mchemet Ali, and shlpped for Fruuco in 1521, when it was purclasod by the French government, and is now in the Museum at Paris.
(lelzoni; lichanison; Hanilton; Champollion; Visconti; Halna, Examen des Zodiaques Fgyptiennes; Letronne, Observations aur CObjet des Representations Zodiacalen, de.: Ejyptian Antiquitica.)

DENDERMONDE, or TELIMONINE, a fortified town in 1Fast Flanders, is huilt at the confuence of the Dender and the Schelde, about 18 miles hy railway E. from Ohent, 16 milee W. from Mlslinem, and contalns 8000 inhnbitants. There are four churclies, Give chapels, a town-house, an hospital, a lumatie arylun, an orphnu1 house, two conveuts, several schools, and a college in the town. In the church of Notro Dane, which is a very old structure, surnnounted by an octagonal tower, there aro two picturas by Vandyk, and an ancient sculptured font. Tho houso in which Teniers lived is etill sliown. The town, which is fortified and defended by a citadel built in 1584 by tho Duke of Parma, is said to baro been founded iu the stb eentury. It was besieged by Louis X1V. in 1067 with 50,000 men, who were ohliged to retire by the opening of the sluices on tho part of the bosieged, whereby the surrounding country was laid uniler water. In 1706 it was besiegod and taken by Marlborough, an event more than once alluded to by 'My Uncle Toby' in Sterne's 'Tristram Shandy.' In 1745 it fell into tho hands of the French. Dendermondo is the seat of many brancles of manufacture, the most important of which aro woollen cloths, cotton-yarn, lace, hats, soap, cordnge, anel pottery. The surrounding country io fertilo and well cultisated, ant considerable husiness is trausacted at the weekly market in grain, linsed, lemp, and oil. Mans Romnn antiquities have heen dug upl
in the noighbourbood. (Diclionnaire Giographique de la Procince de in the noighbourbood. la Flandre Orientale.)

DENIS, ST., au ancient well-built town iu the dopartmont of Seine, in Frauce, stands at the distance of 5 miles froun l'aris on the Paris and Boulogne railroad, iu $45^{\circ} 66^{\prime} \mathrm{N}$. lat., $2^{\circ} 21^{\prime} \mathrm{E}$. loug., and has 12,213 inhabitants, including only the commune. It is traversed by the Croud and the Rouillon, small streams that enter the Seine on the right bank at a short distance from the town, and by a causl which connects the Sejue with the cannl of the Ourcq. The lown was formerly fortified, but the ramparts are now converted into handsomo promeunder. It lies withiu the line of detached forts which form the outworks of the now fortifications of Paris; one of these forts is huilt across the road which cuters the town from the north.

St.-Denis dates its rlse from the foundation of a corpel erecterl A.D. 240 , orer the tomb of St. Diongsius, or Deuis, The chapel was afterwards replaced by an oratory, and in the begiming of the ith century by a mangificent church erected by Dagobert 1 , who also founded the abbey of St. Denis, and was buried in tho abbey church iu A.D. 038. Succeeding kiugs added to the wealth and decorations of the abbey which was to receive their ashes. The church, commeuced ou a larger scale by Pepin le Bref, was finished by Charlemague. The prosent abbey church dates from 1130, when Abbot Suger, regent under Louis lo Jeune, built tbe portal, towers, restibule, npsis, and the crypt, whleb coutains tho royal tombs. Tho uavo was completel in 128 I by Abbot Odon. The westera front is divided by hutiresses into threo compartments, which aro crowued by a range of battlements. In each compartment is a wide semieircular arched doorway, the ascent to whiels is by a fligbt of steps runuing aloug the whole frout. The upper part of the contre compartment is occupied by the cloek. Tho doors aro covered with grotesque but well-executed bronze figures iu has-relicf. This ehurch formerly contained the tombs of nost of the kings of Fraice and of several other eminent individuals By a decrec of tho National Conveutlou, dated July 31, 1793, the mouumeuts were orlered to be deurolished. In three days 51 tombs were dentrojed and 51 rogal graves brutally descerated, tho bones found $\ln$ them belng thrown pell-mell into two ditches opened on tho uorth side of the church. Under the Directory the lead was stripped off the roof, the stained-glass windows renoved, and it was even in agitation to demolinh the structuro allogether. Under the Consulate and tho Empire tho restorations commeuced; theso were coutinucl through many subsequent yeara, and wero completed in the relgu of Louia lhallippe, so that the charch of St-Denia proseuts now an appearanco of grenter splondour than it presented bofore the rude hands of republican violence assailed it, The mass of royal remains were removed by order of Louls XV111, from the ditches iuto which they had been cast, and placed, logether with those of Louis XV1. and Marle Antolnette, lin tho cenirnd raults below the high altar. The crypt, which is entered by a doscent of steps on either sille of the choir, contains statues of the kiuge of France arranged clronologically from Clovis to Louis XVI.

The abbey of St. Denis was supprestod in 1702. The abbey buildingm, a huge atructure, are now occupied by the lnstitution for the Orplane of Members of the Legion of Monour. Among other remarkablo buildings at St.-Denin aro the former consent and church of tho Carmelites, nud the infautry barracks to tho north of the town.

The trade of St.Donis is considerable. Printed calicoes and other
cotton goods are mannfactured : there are several establishmeuts for washing wool, bleaching linen, casting sheet-lead, and making saltpetre, soda, and other chemieal products. There are also several flour-mills for the supply of Paris. Other articles of trade are corn, wine, vinegar, wood, wool, and cattle. There are several faira held in the ycar. At one of these, called the fair of Landit, which commences on the 11 th of June and lasts a fortaight, vast numbers of sheep and a great quantity of manufactured goods are sold.
(Dulaure, IVistoire des Environs de Paris; Dictionnaire de la Fronce; Murray, IIandbook of France.)

DENMARK, or DANMARK (the land or Mark of the Dane), also termed the Danske Stat (the States of Denmark), is a kingdom lying, independently of its colonial possessions, between $53^{\circ}$ and $58^{\circ} \mathrm{N}$. lat., and $7^{\circ}$ and $13^{\circ} \mathrm{E}$. long. It is bounded N. by the Skager Rack, a gulf of the North Sea; N.E. by the Cattegat, another gulf of the North Sea, which, with the Sound, separates Denmark from Sweden; S.E. by the Ost-See, or Baltie; S. by parts of the free states Lïbeek and Hamburg, the grand-duchy of MecklenburgSchwerin, and the kingdom of Hanover; and W. by the North Sea.

Area and Subdivisions.-The entire area of the kingdom of Denmark is abont 21,900 square miles: the population in 1850 was $2,296,597$. The following table shows the principal divisions of the kingdom, with the extent and population of each : we add also a list of the colonics which belong to Denmark :-

| Circlez. | Capitals. | Area in Eng. square miles. | Population in 1850. |
| :---: | :---: | :---: | :---: |
| Kingdom of Denmark. |  |  |  |
| Copenhagen . . - | Copenhagen | 2.883 | \{ 120,693 |
| Siælard and Moen . . .) | Copenamgen |  | \{378,765 |
| liornholm | Rünne | 213 | 27,927 |
| Finen and laggland | Odense | 1,284 | 187,818 |
| Laaland, Falster, \&e. | Nariboe | 647 | 79,017 |
| Jütland | Aalborg | 0,000 | 604,525 |
| The Ducbics. |  |  |  |
| Holstein (1845) | Ecbleswig | 3,345 | 363,000 |
| Holstein (1845) | Kiel | 3,269 | 470,364 |
| Lauenbarg - | Ratzeburg | 413 | 40,486 |
|  |  | 21,000 | 2,290,507 |
| Yarüe 1slands | Thorsharn | 405 | 8,150 |
| Iceland | Reikiarig | 38,200 | 60,000 |
| Greenland | Lichtenfels | 3,950 | -9,400 |
| West Indies:- |  |  |  |
| St. Cross - . - | Christianstadt | 110 | $\left\{\begin{array}{l}23,720 \\ 13,666\end{array}\right.$ |
| St. Thomas . . . ${ }_{\text {Stohn's }}$. | Curistanetad | 110 | ( 13,666 |

The snbsequent details refer only to the European dominions of the Danish crown, namcly, the insnlar portion, Jiitland, Schleswig, Holstein, and Lauenburg.
Surface, IIydrography, dec.-Continental Denmark, which may be designated the north-western peninsnla of Germany, in its greatest length from uorth to sonth is abont 305 miles; in breadth it varies from about 33 to 106 miles, the average being about 70 miles. Its length of const on the North Sea and Skager Rack is about 460 miles, aud along the Cattegat, Little Belt, and Baltic, about 650 miles; the whole extent of coast is accordingly not less than 1110 miles. Many parts of this long const-line are olmost neeless, in consequence either of the want of deep water, or of the numberless banks, bars, and islands which line it. The shores too of the islands that lie next the Baltic are so flat and irregular as to be unapproachable in most quarters by rcsscls which draw much water.

The surface of Denmark presents an almost uniform plain, clevated only a few feetabeve the level of the sea, but oceasionally relieved by some small gronps of hills, whose wooded summits break the monotony of the landscape, and in combination with numerous inlets of the sea and small lakes, give the country a very pleasing appearance.

Denmark possesses no mountains, but a range of hills traverses the whole peninsula from sonth to north, keening in gencral near to the eastern coasts, and terminating with Cape Skagen (Skagens-Odde), the extreme point of Jiitland. The loftiest summits of the range are the Himmelsberg, in the bailiwick of Skanderburg, in Jütland, which is above 1200 feet high; the Dagbierg-Daas, 700 feet, in the bailiwick of Viborg, and the Askehoy, 690 feet. There is also a range of hills, called the Finnen Alps, in the island of Fïnen, which runs from the north-easternmost point to the nonth-easternmost at Svenborg, bending always towards the sonth-western coast: its highest snmmit does not much exceed 400 feet. [FÜnen.] The ehief mass of the Siseland hills inclines towards the eastern coast, and extends from the northern month of the Sound to the southermmost extremity of the island; the most elevated point is tbe Mangelberg, near Hirschholm, to the north-west of Copenhagen, whieh is 560 fcet in height.
The western coasts of Sehleswig and Holstein are quite flat, and are protected from the North Sea, or West Sea as it is termed by the

Danes, in contradistiuction to the Ost-See (East Sea, or Baltic), by sand-hills and dykes in Sehleswig. The eastern coasts of Schleswig, as well as the island coasts, arc abrnpt and precipitons, formed of chalk or limestone, and called Klinte by the natives: the Moens-Klint, on the eastern side of the island of Moens, which stretches above 10 miles out into the sea, is remarkable for its fossils and nnmerons waterfalls. The north-eastern shores of Siæland, or Zealand (Sjalland in Danish), are separated from Sweden by the Sonud or Ear-Sound, (Ore-Sund, so denominated from the resemblanee of its form to the human ear), the well-known entranee into the Baltic, whieh is abont 70 miles in length from the Swedish point of Knllen-Cattegat to Falsterboe, and a mile and a half ( 7986 feet) in breadth between Helsingör (Elsinore) and Helsingborg, where it is uarrowest; iu midchannel it varies from 10 to 19 fathoms in depth. Betweeu the western side of Siæland and the north-eastern side of the Island of Fünen lies a second entrance into tbe Baltie, ealled the Great Belt, which is about 9 miles wide at its narrowest point between Nyeborg and Korsoer, and varies 5 to 25 fathoms in depth, but on account of sandbanks and rocks, is diffieult of navigation for large ships. Between the western coast of Fïnen and eastern coast of Schleswig and the island of Alsen, or Als, is a third entrance, ealled tbe Little Belt, which is not more than three-quarters of a mile, or 4100 feet wide, next Middelfahrt, where it is most confined ; it is about 46 miles in length, is hazardous to navigate, and just above Middelfahrt is commanded by the fortress of Fredericia.

The coast of Denmark is indented in several parts with bays and inlets, here called Fiords, or Vïgen, the latter name being applied to the smaller bays. The largest of these fiords are the Ise-Fiord, on the northern side of the island of Sireland, which is connected with the Roeskilder-Fiord on the east, and Liim-Fiord on the west; it is about 74 miles in its greatest length, and contains several islands. The Liim-Fiord, which intersects Jiutland, oceupies nearly 252 square miles; the narrow isthmus which formerly existed between the LiimFiord and the North Sea, was during a violent storm iu 1825, broken throngh in two places. Liim now conseqnently insulates the northeru part of Jintland, the openings however are too shallow to admit vessels of much burden. Kingkiöpings aud Nissnm fiords are to the south of the last-mentionod bay; Mariager and Randers fiords are on the eastern coast of Jiitland; and the Apenrade, Flensburg, and Ecken fiords, on the eastern coast of Schleswig. The Kieler-Fiord some distance south of the Ecken-Fiord, in the duchy of Holstein, forms the noble harbour of Kiel, which admits vessels of war of the largest size to anchor within it, and which has during the present 2nonth (April 1854) been the rendezvons of the British fleet in the Baltic. A canal, as will be noticed presently, conneets the Kieler-Fiord with the German Ocean.

Denmark abounds in small lakes, the most considerable of which are-the Mossee (abont 5 miles long and a milo and a quarter broad), the Viborg, Skanderborg, Garbocl, and Langesee, in Schleswig; the Arresec, Esrumsee (celebrated for its fish, and united by a canal with the Great Belt), the Tüssee, and Loroesee, in Siæland; the Arreskoesee in Finen; the Marienboersee in Laaland; the Ploener and Selentersee in Holstein ; and the Ratzeburgersee in Laucnbnrg.

As no inland point in Denmark is more than 35 or 40 miles from the sea, the conntry has no large rivers. The Elbe forms the southern boundary of Lanenburg, from the town of Lanenburg to the MasQueller, where it discharges itself into the North Sca. The Dauish streams which flow into it are the Delvenat, Bille, Alster, and Stree. The largest of the navigable rivers of Denmark is the Eyder, which was considered the north-western boundary of the empire of the Franks in the days of Charlemagne, and of the German empire in after-times; it flows ont of an inland sheet of water near Bördeshiolm in Holstein, passes westward throngh Rendsburg, and skirts Friodrichstadt, dividing Holstein from Schleswig, is navigable along nearly the whole of its course of abont 105 miles, and enters the North Sea at Tönningen, at the south-western extrenity of Schleswig, where it is 800 feet in width. The Trave, a Holstein river also, rises near Giselrade, flows sonthward through the Lauenbnrg and Liibcck territories, is navigable thronghont the greater portion of its course of about 65 miles, receives the Steckenita, and winding north of Lübeek, falls into the Baltic at Travemünde. The other streams which water Denmark and the adjacent islands, and to which the Danes give the name of Aae, scarcely deserve the name of rivers; the largest of them are the Gndenaac, in Jütland, which rises in the Tyrrild Heide, in Jiitland, flows throngh several lakes, and enters the Cattegat near Randers ; the Nipsaae, in Schleswig, which onters the North Sea at Ribe; the Schol, Wid, and Bredeaae, in the same duchy; and the Snsaao, in Sixland, which flows into the sea at Nestwed.
Deumark contains fonr large canals. The Schleswig and Holstein, or Kieler Canal, which eonnects the North Sea with the Baltie, was formed by rendering the Eyder navigable from Rendsburg to Kluvensik, whence the eanal takes an easterly direction through the northern extremity of Lake Flembude, then erosses the range of hills which traverse the peninsula of Jiitland nnd Schleswig from north to sonth, and terminates in the Kieler-Fiord. Its greatest elevation above the level of the Baltic is 27 feet; its length from Rendsburg to its termination is about 27 miles; ithas scven bridges and as many
sluloes ；is 100 feet brond at the surface and 24 feet at the bottom ； it is 10 foot ileep，and eamable of recciving vemsel of 150 tons burden． The Steckenits Caual in Lavenburg，which unites the Filbo with the Baltic by counecting the Delvenau with the Mölnersee，Steckenitr， and Trave，was conatructerl in 1890，and catalvinhes a communication hetween Lauenburg on the Elbe and Libleck on the Trave．The Danenklold Canal，on the island of Siseland，whlch was eonntructed by Count Daveskiold Snineoa，betircen the years 1810 and 1812，girem accens from the mouth－eastern waters of the Great Belt to that guarter of the island which is richest in grain and timber；it begius at Noes－ dybroe，near Ringstedt，and is carried for about 23 miles to Nestwed， near the Baltic slore．The Odense Canal conuecta Odensc，the capital of Funen，with the sca．

The royal roads，or roads which the mails travel，trsverse all the more important routes in the kingdom；they are under the manage－ enent of the rogal engineera，and are wide and well kept．

Only three railways havo ns yot been constructed in Denmark． One runs from lijel in a gencrally sonth－western direction to Altona （opposite IIamburg）， 65 miles，witb sbort branches to Rendsburg aud to Glackstadth The others run from Copenhagen，one westwred to Roeskilde， 171 miles，and the other uortlymard to Elsinore．

Climate，Soil，Productions．The proximity of the sen renders the climate of Denmark temperate，cousidering its latituite．The cold is greatest in Jutland，and least iu the adjoining islands．The weather lsingencral very variable；raius and foge ore of constaut occurrence； storme tre frequent；tho winter cold is not sevcre，but the summer heats are at times overpowering．The lumidity of the atmospbere is a great adrantage to a country whose soil is of so mandy a nature． The thermometer seldom ranges above $20^{\circ}$ Reaumur（ $77^{\circ}$ Fabrenheit）． The barometer varies from $25^{\circ}$ to $25^{\circ} 6^{\prime \prime}$ ．Tho upper soil consists of a dense layer of clay or sand in most parts，mixed with gravel in some places；the subsoil is a dark－blue clay（blaalaer），entirely des－ titute of earthy matter，but partially intersected by a fine jellow sand．In some of the islands this clay is of a reddish tint．Remains of vegetable substences，but none of any large lend－animals，are found in these clays．Iu Jutland，the most sterile region in Denmark，tbe soil lien immediately upon a berl of bog－turf corered by sand from 1 to 3 feet in depth．Sands and heaths are the characteristic features in continental Denınark ；and drift－sand renders a considerable portion of the western coasta almost uninhabitable．Together with extensive tracts of moors and swamps，the inland parts of Jiitland and the islands are characterisel by a rich marahy loam，of which bitnminous marl is the cbief constituent The surface of the islouds presents partial tracts of moor，heath，and woodland；but in general the soil in fertile，and well suited to cultivation．The componcut parts of the 21,800 equare miles of हurface of which Dennark consists，may bo thus mubdivided：about 10,000 square miles of eand capable of arablo cultivation， 2850 of heath， 2700 of black rich earth， 2000 of loam and marl， 1000 of mendows and swamps， 910 of marshes， 940 of woorls and forenta， 750 of grazing grounds， 300 of drift－sand，and the remainder of lakes and streams．

Deumark is proeminently au agricultural state．Themost fertile parts are the islands of Lanland and Falster，and next to them Siscland and Fiunen；bnt agriculture is not so skilfully or activeiy pursued in there parts as in Holatein and Laueuburg，particularly in tho Northern aud Southem Ditmarsbes of Holstein on tho Baltic const，where the most perfect tillage in Denmark prevaila．Jütland has tho least productive soil of ony part of tho kingdom，a considerable portion of it wenteru districts，as well as those of Schleswig and Holstein，from the Eyder to tho Liim－Fiord，being wholly unarailable for egricultural purposes．The Denes，as agriculturiatm，have beon ateadily inproving for some years past，and extensive tracte of land are annually brought into cultivation．Tbe cultivator of the land is lowever rarely pro－ prictor of the soil，and he is over－burdened with ducs and services； his capital moreover is usually too small，and property is too mueh subdivided．Of the availablo land about four－fifthe have been appliod to useful purposen；wbilo of tho cultivated laud about nino－teuths consist of arable land，the remainder comprising mendows，pastures，and woods and foresta The average yearly produce of the cultivated soil in estimated at 400,000 quarters of whent， $1,600,000$ of ryc， $4,500,000$ of oath， $2,000,000$ of barley， 125,000 of buckwheat， 250,000 of peas and beans， 250,000 of rapeseed， $2,250,000$ tons of potatoes， 2500 cwhe of hopr，and $150,000 \mathrm{lbs}$ of tobacco．A large quantity of wheat，rye，barlcy，oata，buckwheat，pean and beanm，and rapesced are exporta ；alno wome malt，meal，and four．Of the grain exported， abore fonr－mevenths，and of rapmeed wore than four－fiftha，are from the Inainh duchles．Much flax sard hemp is also raised，but littlo of etaperior quality，and in the whole carcely enongh for domestic purporen．Denmark producen the usuel kinds of vegetables；but horticulture is not carried to any extent，except in the vicinity of the towus，eapecially Copenhagen，Altonn，and Gluekstadt，Large crops of the cornmoner deacriptions of fruit are protuced；but attention fas pairl rather to quantity thau quality．

Thero In mueh very fine pesture land in several parts of the kingdom；and the rearing of hormea and eattle in an objoct of grent attention．The light Drnish and henry Holntein breedn of horses are equally valmable ln thelr wey，the one for cavalry purposes and tbe
other for draught The Juthod breed in＂مimilar in figury and
extraction to the linlstin，but has not so fine a head．The kiag lans lngo studs at F゙rionrichaburg and Jitigerpreise ；and numerous entn－ blishmente of this kiml aro kept up by individualn，particularly in Finnen．The number of homes aumually caportod la rery conaiderable． The rearing of horned cattio ls on an extensive scalo，chiefly with a riew to the makiug of butter and cheese and salted beef．Grent attention has been giren to the improvement of tho breeds of cattio， and tho number exportod is very large，a great stimulus having been given to the trado by the removal of the protibitory duties on the importation of cattlo into England．A great deal of beef is also exported．Of butter aioue several milions of pounds＇weight are anvually exportod．Cheese，lard，salt meat，hidea，and skins aro likewiso exported in great quantities．Large locks of sheep are kcpit the best mative breeds are the Ryderstedt and Frisian in Selieswig． and the Jiitland race；but they are reared rather for the make of their flesh and milk（from which last cheese is made），than for their wool．The stock lus been improved hy erossing with tbe Merino brced．The quantity of wool ammally obtained is said to be about $5,000,0001 \mathrm{bs}$ about one－fonrth of which is exportad．Of swine， Denmark possesses threo species，the best of which is tho Jiitland gort．Poultry of all kinds are raised，particularly geese．Much honey and wax is made in Füneu，Falster，and Bornholm，and also from the bees on the heatha in the duchies of Sehleswig and Ilolstein but ueither the one nor tho other is adequate to tho domestio consumption．

Tho fiaberies form a very essential branch of netional industry the bays ond inlcts and the mouths of tbe Danish rivers being well stocked witb fish，efford abundant and profitable employment to tiso inhabitants in almost every part of the long live of coast．The fisiling． grounds of the Liim－Fiond，and indecd of the whole north－eastern const of Jütland，are the most important witb regard not only to the berring trade，but other deseriptions of fish，such as mackerel，cod， anlmou，eels，flat－fish，shell－fish，\＆e．；they employ upwards of 250 boats end 1000 men belonging to the adjaceut coast，beaides a great number of vesscls from otber parts，among which are above 100 largo barks called Quasen，wbich resort here from Sielend，Fünen， and Bornholm．The average annual produce of salted herrings in this quarter alone is 50,000 tons，of which nearly 20,000 tons aro cxported．The herring fishery in the Grent Belt gives occupation to more tban 100 vensels．Oysters arc in Holstein a crown menopoly． Seals aro taken on tho Juitlaud coast about Eyderstedt，and their fat is converted into oil．There is an association for the herring fishery at Altonn，who are the proprietors of twenty or thirty vessels．The Dancs also tako an active part in the cod－fishory of the North Sea nud the whale fishery off the shores of Greenland．
The fine forests which once cnriched the Danish soil have gone to decay from went of caro and from wasteful consumption．This has especially been the caso in Denmark Proper aud the duchy of Schleswig．One－fourth of them is crown property．The woorls stretch northward from the Schley along the castern coast of Jutland to tbe Liim－Fiord；there are long tracts of them nlso in the soutb－ western parts of Funen from Bogense to Srenborg．The woods of Sieland，Falster，and Laaland arc of low growth．The pinc is tho prevelent true，intermixed with the beech，oak，and bireh．Denmark is dependeut for her supplies of tinuber on Norway，Prussia，Russin， and other countries；and the inhabitants aro compelled in many parts． from the positive absence of wood to resort to ouy substitute，euch as manure，straw，haulm，\＆c．，for fuel．Thero is littlo inland gano but what is foud in the royal and other forests，but great mumbers of wild weterfowl are killed ou the islands along the Schleswig coasts and in other parts．

Denmark possesses no minos or metals whatever，nor any minernls of importance except coals，freestone，and malt：the coal－pits iu liorn－ holm hare been abandoned，and there is but one salt－work，that at Oidesloho in Holstein．Tbo supply of salt is drawn from Portugal， loincburg，de．Amber is collected on the Ilitze，a sandbank on the western coast of Jutlend；it is both of tho white and deep jellow kinds．Potters＇and poreelnin earths are also obtained．Peat is got wherever there are awamps，and ercry village in those parts has boge land anigned for its supply．

Miveral watern have been brought into use at Glücksburg in Schleawig and at Bramstede in 1lolstoh，aud there aro malino springs near Oldealoho in the mamo duchy．

In a country wlicro agricultural pursuits crente n greater demand for labour than the population is competent to furaish，auy grent dovelopment of manufacturing industry camot reasomably bo looked for．The Danish capilal is tho chief seat of manufacture，aud we nefer to tho article Corrsinaos．s for tbe details．Altowa is next in lmportanco：its princlpal productions are silk，woollen，and cotlon goodn，leather，soap，refined nugar，and tobacco．Laco is made on an extenaive seale ln and about Tondern，and some is no fine as to be worth $80 \%$ or 10 a a yard．There are large tobacco manufacturas，but they are said not to produco more than one－eighth of the quantity consumed．The woollen manufactures，principally of the coasser kinds of goods，aro ehiefly in Copenhsgen，Fredcricia，and other parta of Dcumark I＇roper；and tho cottou iu the mame capital，Altone， Roenkllde，Christianfelde，and Hanerau．IRaders is the priucipal eent of the glove manufnctures ond Friedrichavirk，Lyngby，oud

Haraldskjaer, of the manufacture of iren-wares, next to the metropolis. Linens are made at Kiong and Helsteinborg, and in most parts censtitute the occasional employment of the cottagers for the purpose of supplying their own wants. Straw hats, sail-cloth, glass, seap, leathcr, saltpetre, gunpowder and arms, plated goods, china and earthenware, beer and epirits, thread, paper, refined sugar, soda, and potashes are among the productions of Danish industry. Brandy distilleries and breweries are numerons. The making of wooden shoes is an important branch of industry in various parts of Jütland. The peasants' fanilies make their own woollen clothing in geueral, which is composcd of a coarsc stuff tcrmed wadmel; and indeed there are few articles of domestic use, whether utensils or for apparel, which are net made by their own hands.

Probably no country in Europe is better adapted or more farourably situated in many respects for commerce than Denmark. It is the key of the Baltic, and possesses pcculiar advantages for a ready and cheap iutcrcourse with all the maritime nations of Europe. Copenlagen is the central point of the Danish foreign trade, but Altona appears to be making greater progress at present. Navigation, in which ahove 50,000 hands are employed, is a great source of profit to the country. The Danes navigato their vessels ou cheaper terms than many of their competitors, and are excellent mariner, on which account they are the carriers for other countries, particularly to the Mediterranean and Levant. The tradc between the mother country and the West India colosies is quite free; the busiest traffic is carried on with the island of St . Thomas. The value of the native produce and manufactures annually exported to all parts in 1851 was $1,654,338 l$. ; the imports in the same year amounted to $3,165,161$. Both in the exports aud imports a much larger portion of the commerce is with Great Britain than with any other single state. The imports from England in 1851 were $596,165 \mathrm{l}$, and the exports to England were 680,849l. The trade with Swedeu and Norway is the next in importauce, the total value of both exports and imports amounting to about three-fourths of the British trade. Hamburg and America also slare somewhat largely in the trade of Denmark. Among the articles of exportation are grain, buttcr, chcese, brandy, salted and smoked meats, horned cattle, horses, skins aud hides, whale and train oils, eider-down, woollens, fish, tallow, hristles, \&c. The imports are wincs, salt, silk, wools, cotton, cotton manufactures, timber, coals, colonial produce, hrandies and spirita, glass, flax and hemp, drugs, and other articles of domestic consumption. There is $a$ brisk intercourse by sca between the several ports. The clifef places of trade are Copenhagen, Altona, Kiel, Kioersoer, Helsingör, Ojense, Viborg, Randers, Flensburg, Schleswig, Aalborg, Rendsburg, Tondern, Aarhuus, Glückstadt, Neusterlt, and Itzehoe.
Inhabitants.-The people of Denmark, with the exception of a few thousand Jews, resident in Copenhagen, Altona, and other towns, are of German descent, but of five distinct races:-The Danes, who inhahit Sixland and the circumjacent islands, Jütlaud, and a manll portiou of Schleswig, were the Normans of former times; they usc a dialcet of the German, and number probably somewhat under $1,500,000$ : the pure Germans, who inhabit the duchies of Holsteiu and Lauenburg and the greater part of Schleswig, and whose numbers are about 700,000 : the Frieslanderg, who dwell along the western coasts of Sclleswig and on tho small islands in the North Sea: the Angles, who live between the Bight of Flensburg and the Schley on the Baltic, whose nnited numbers arc nearly 80,000 : and the Nornans, who people Iceland and the Faröe Ialands. The popnlation of Denmark, its duchies, and the adjacent islauds in 1820 was $1,662,000$; in 1840 it was $2,194,950$; and in 1850 , as already rentioned, it was $2,296,597$.
The Dane is of a strong, well-knit, muscular make; his fenturcs are regular, his cyes blue, and his hair commonly light. "The gift of the Danc," says Iothe, a native writer, "is strength, where others have inherited liherty. He is susceptible of high, strong, and enduring feelings, but he is not easily rouscai ; he has more common sense than wit, and being of a patient disposition looks at every sldc of a questiou, and requires much time for rcliberation." The peasantry are indnstrious and generally of a cortented disposition; their highest ambition bcing to obtain possession of a small piece of land. This universal desire, and the facilities afforded for carrying it into effect, has led to a remarkable subdivision of the land. It is said that half the soil of Denmark is posscssed by petty proprictors. The conscquence is that the farms are commonly of small size, and though cultivated with great industry scldom worked with sufficient capital. There are, besides the small landholdera, a large number of labourers who rent houses with small pieces of land attached, for which they pay rent by a certain number of days' work, on the "snctaycr" system.

The population of Demmark is collceted in 98 towns, 45 markettowns (all in the three duchies), and 4935 villages, besides isolated farms and dwelling.

The Lutheran is the predominant religion, but every other is tolerated. The memhers of other religious communities are but coreparatively few in number. The affairs of the national church are under the superintendcuce of the eight bishops of Sireland, Laaland, Funen, Ribe, Aarhuus, Viborg, Als, and Aalborg. The bishoprics are in the gift of the crown. There are twelve religious communities in

Denuark Proper and the duchies; a missionary collcge at Copenhagen, called the 'Collegium de cursu evangelii promovendo' founded in 1714 ; and a seminary for approved candidates in divinity in the same city.

Much has been dene for the education of all classes in Denmark. By law every child between the ages of 7 and 14 years must atteud some school; and free schools are provided for all childreu whose parents are uuable to pay for their education. There is in the ministry a department of public worship aud instruction; and ministers who have the superintendence of those matters are appoiuted for the several duchies as well as fer the kingdom. The masters are appointed, and the course of stndy regulated in the public schools, by the ministers of public iustruction. Besides the primary schools there are several semiuarics for educating teachers; between 30 and 40 gymnasia, or grammar-schoels; and two univer sities-one in Copenhagen, fonnded in 1478, and attended by abeut 1000 students; and the other in Kicl, founded in 1665 , and attended by about 300 students. There are also schools fer the dcaf and dumb, and various special scheols; as well as several public libraries, and various societies for scientific and national purpeses, which are noticed under the head of Copenhagen. The number of periodical journals published in Depmark is very large when compared with the population ; but the press is uuder a somowhat strict censorship.
Gorermment, Finance, \&c.-Deumark was an absolute and hereditary monarchy, founded on three fundamental laws-the Act of Sovereignty of 1661 , the King's Law (Konge Lowen) of 1665 , solemnly ratified by the whole nation, and the Native Subjects' Lavy (Ind Fotts Retten) of 1776 . In 1848 however Frederick VII., shortly after his successiou to the throne, promulgated a new coustitution, by which Common States were appointed, to consist of 52 delegates (of whom the king named eight), who were to be clected by the votes of the deputics of the provincial assemblies, and of the clcrgy, prelates, and landed nobility of the duchies, and the cousistories of the universities of Copenhagen and Kicl, and assembled at fixed periods. They have the right to discuss and to decide upon all new laws affecting the common interests of the monarch, and the control over all matters of financc. By this constitution nothing was changed in the general ordinauces of 1831 and 1834 respecting the provincial assemblics noticed below. As Duke of Holsteiu and Lauenhurg, the king is a member of the German Confedcration, and furnishes a contingent of 3600 men to the confederate army. The sovcreign must be of the Angshurg Confession of Faith, and must uphold its ascendancy in his dominions. He attains his majority on reaching his 14 th year. The sovereigu fixes the allowances to be made to the members of the royal family of his own free will. By a general law of May 28, 1831, and a dccree of May 15, 1834, the kiugdom was divided into four electoral districts, cach of which has at present its provincial assembly: these districts are the Danish Islands, Jütland, Schleswig, and Holstein. The four provincial assemblios nust be called together at least once in two years: their conscut is necessary to all alterations iu laws affectiug persons or properties, public imposts, or requisitious for the national service; and they are allowed to proposo laws for the sovereign's adoption, and to lodge complaints agaiust auy of the public authoritics.
The privy council is the highest board in domestic affairs: it is composed of the king, as president, a vice-president, and eight members. The ministry consists of a miuister for home affairs, a minister for the finances, \&c, for foreign affairs, for justice and police, fur the duchies of Schleswig, Holstein, and Lauenburg, for the war department, for naval affars, and for public worship aud instruction. There is a governor for Lauenburg; and the West Indian Islands lave a govermor also. A land-vogt, or licutenant, governs the Faröe Islauds, and a stifts-amtmann, or high bailiff, is at the head of the public authorities in Iceland.
The supreme court of justice holds its sittings at Copenhagen, and there are royal courts in the duchies and lower courts iu the various towns. All civil cases must in the first instance be carricd before a 'Court of Conciliation,' composed of persons selected from the vicinity, ou account of their position, character, or intelligence. Their decisiou is registcred, and lias the force of a legal decree in cascs where both parties to the suit have signified their leadiness to abide by the judgmeut; otherwise the suit may be carried for decision into the proper courts. From all the lower courts appeals are allowed both in civil and criminal cases to the supreme courts.

The state of the finances will be bcst showu by the following official statement of the estimated receipts and expeuditure for tho entire mouarchy for the ycar 1853-4:-

## Reccipts, 1853.4.

Gencral.-For the wholc Monarehy.
Surplus from the Domains-
For the Kingdom of Denmark
For the Duchy of Schleswig
For the Duchy of Ilolatcin
Yor the Duehy of Laucnburg
For the West Indlan Colonics
40,77
40,777
40,725
34,680

Cartied forsard
03, 89

Brought formard
2103,882
121,146
-41,308
Found, Pirer, and Canal dues
471,105
1:8,:30
121,910
For the Kingdom of 1lemmark
For the lluchy of Schleswig

1,905
arplas from Postage-
For the Kingtom of Demmark
295
For the Duehy of Rehleawle
859
For the Juehy of Ianenbnrg . 353
Lottery
Epeelal,-For the Kingdom of Denmark.
Direct Taxes
11,923

1adireet Taxes
126,i07
leeland
101,85\%
3,144
13,23s
For the Duchies of Schleswis and Nolatcin.
Direct Taxes
:16,008
1 ndirect Taxes
45,581
Niscellancous
Total
22,400,517

## Expenditurr.

General.-fior the whole Monarehy.
Civil List
£
Appanages to the Roral Family
Privy Coumell
1 nterest and Payments on the National Debt
Penslon List
Foreikn Department
War Depprtment
Xary lepartment
Finance Department
Miscellancous and Extraordinary Payments
Epectal.-For the Diviaions of the Monarchy.
Por the Kingdom of Denmarls.
Farlament


Total
22,353,818
Tho National Debt mmounted in 1853 to $13,612,500$.
The numerical strength of the Danish army on the peace footing nominallyamounts to nearly 40,000 officers and privates; but the number sctually employed is under 10,000 . A sufficicnt number of officers and others always remain at the disposal of the crown to caii a force of 25,000 men at any time into active service. The militia, when called out, musters about 60,000 rank and filc.

The nary in 1853 was composed of 5 ships of the line, mounting 300 guns ; 7 frigates with 346 guns; and 11 aloops, brign, schooners, and cutters, mounting 148 guns: in all 23 vessels and 884 guns. To these must be added 79 gun-boats, bomb-vessels, do., and 5 stenmer of 1009 horse-power.

The fortrenes aud fortifiel ports of Denmark are Copenhagen, Cronburs Cantle, Korsoer, Fredericia, Friedriclasort, Friedrichshavn, Rendsburg, Chriatiansoe near Bornholm, Nyborg, and Glijekstadt, The chief nilitary and naval cotablinhmenta are the Cadet Acadeny, Copenhagen; the Amamil and Archive of Clarts, in the mame city; a camon and ball foundry at Friedriclaviirk; an invalid hospital at Eckernfirile; and armeuals at Renrlsburg and laaders.

Ifisfory. - The oldest history of Deumnrk is pure tradition, derived from the aunpicioun mource of the Icelandio Legends or Saga. The first fact of which we can rpenk in that the Cimbri, a branch of the Normass or Scandinavians, were the carlient known inhabitants of the peoimula of Jutland and Schlerwig, which wan thence called the Cimbrin Chernonemus. They firt became known to the Romans from their taking part with the Teutones, about 100 years before the Chriation crn, in the Invasion of Claul and Italy, in the times of Marine About a.D. 250 the Goths overran the Scandinavian territories under Odin or Woolin, and imposed rulern of their own on Sweden, Denmark, and Norway. Skiold, Odin's mon, fir the fret name which has rescendor to un an sorereign of Denmark; but we prasess no recorl of his time beyond numerona legendary fragmentr. Denmark appears however to lave been clivided into a raricty of petty staten, of which Skiold's deecentants ameutned the lordship for many centurien, and to liave been inimbited by a warlike rnce of men, whose frincipal occupation was piracy. The Normana, or Anglea, under which denigration the Swedo and Norweginn an well an the Dane were

Included, during the Sth and $P t h$ centurien, established their dominions in parte of Fughnd, which they distracted by their iuronds until the middle of the 11 th century: they aian made themselves innatern of Normandy under liollo, coloniser the Orkneys aud llebridew, the lele of Man, leoland, and part of Ireland, and pushed their cotticments as far south as Spmin, Italy, sud Sicily. Of this pre-historic periol the vestiges, consinting of tumuli, cromilechn, ic., are very numerous, and haro engaged a lirge amount of attention and research amoug tho antiquaries of Nerthern Europe.

The first Danish monarch with reapect to whom we are enabled to speak with certainty was Gorm, or Wornn, the Old, a Skioldinger, who brought Jitland under his sway in 863 , and succeeded betwoen that date and the year 900 in uniting overy state in Donmark to his dominion. In 1000, Sren, his grandson, subjugated part of Norway, and in 1014 the greater part of England, where he soon after died; in 1016, bis grandson Knud the Sucond, or Cannte the Grent, porsoweal himself of the whole of lingland and part of Scotland: nud in 10s0, of the remainder of Norway. To this monarch Denanrk wais indebted for her greatness, laws, and internal organisation, and the establishmont of Christinnity as the religion of the country. His successors however werc not cndowed with capacity enough to preserve his dominion in its integrity; England threw off their yoke in 1034, and Norway two years afterwards. A new dynasty out of the femalo line of Canutc's descendants zounted the throne in 1047, in the person of Sven Magaus Estritson the Tiird, and held the sceptre for 400 years afterwards. The male deacendants of Magnus Sveu became extinct with Waldemar the Third in 1375: and Olaf the Fourth, of the female line, Waddemar's grandson, dying in 135\%, hin mother, Margnretta, styled the Northern Semiramis, asceuded the throne of Deniuark. She acquired Norway by inheritance, and laving subdued Sweden by force of arms, united the three northern kingdoms under one crown by the Calnuar union in 1397. The Swedes however could never be brought to endure this league, and after a long series of contests ultimately renounced the union in 1523 . These contosts undermined the prosperity of the Danish monarchy no less than the perpetual broils between the sovereign nud his nobles on the oue hand, and the nobility and clergy on the other; the population decreased greatly, and the adjacent seas swarmed with Danish piratos, while trado and navigation dwindied to insignificnuce. Margarottn's line having forfcited the throne in 1439 , and Erick the Screnth having been deposed, the Danish States elected Christinn Count of Oldenburg king. From his grandson, Christian 1l., surnamed "Tho Wieked,' the crown was transferred to Frederick the First, duke of Schleswig and Holstein, who recelved the crown of Deumark and Norway in 1523. His sou Christian the Third united the duchies of Schleswig and Molstein in perpotuity to the crowu of Denmark in 1533, and bronght the turbulcut Norwegians to recognise the Danish kings as their sovereigns 'for crer.' In his reigu the Reformation was cstablished throughont the united kingdoms, and a code of laws, entitled the 'TRecose of Kolding, was promulgated. Tho struggles arisiug out of his partition of the greater part of Schleswig and Holstein between his brothers, became a source of much subsequeut mischief to Denmark, and was not terminated until 1713, wheu the alienated territory was recovered by the cession of Oldenburg and Delmenhonst to its then possessor, the grand-duke of Hussia, In the 17 th century Sweden wrested from Doumark the provinces of Jempteland and Herjedalcn, together with the islands of Gottlaud and Oescl, the extensive districts of Schonen, Hallasd, 13lekingen, and Bihus. In 1660 the three estates of the realm acknowledged Frederick nud his successors as abnoluto sovereigns of Denmark, in solemn dict at Copenlageu; and they confrmed tho surrender of their riphts by presenting him with the 'Arfvo-Fnevolds-llegierungs. Akt." This gave occasion to the promulgation of his "Konge-lov," in 1665 ; the fundamental law of settleusent which prevailed in Denmark until our own day. In $1 \% 20$ Sweden ceded the right of recciving the Sound dues to the Danes, and the long-disputed claim of Donmark to the sovereignty of Schleswig was fully recognised. The subsequent huudred years were a period of coutinued tranquillity, during which tise state rosc, and cnjoyed prosperity: the liappicst fruits of this interval of peace wore, the abolition of scrvitude among the peamatry, begun by Christian the Soventh in 1767, the extinction of the negro slave trade, and the establimhment of greater liberty of the pros. During the wirs of the French Revolution, Denmark observed a strict seutrality; but In contesting the right of search as to her mercantile shipping, insiatod upon by liugland, which led her into a defensive alliance with Jumaia, Prussin, and Sweden, she brought upon herself tho loss of her liast and Wiest India colones, and muffered sererely in the naval fight off Copenbagen in 1501 . The treaty which ensued restorod those colonies to her. The pence of Tilsit, in $180 \%$, in which thero were secret articles stipulating that the whole Danish mavy should be delivered over to the French emperer, occnsioned however a frosh nupture with England, which commenced with the appearance of a formidable force under Fimrl Catheart and L.oml Gambier on the const of Sieland, and was carried to open hostilitios upon the refusal of the Dasish government to surrender their flect, consisting of fifteen slipp of the line, fourteen frignten, and three brige, as well as their timber and the paval stores then in the yards and arsenal of Copenhagen. Upon
this refusal, Lord Gainbier bombarded the Danish metropolis, from the 2 nd to the 5 th of Septemher, forced it to capitulate after a considerable part of the town had been burnt, and carried away the fleet to England. In Norember following a formal declaration of war was issued hy the English government, and Denmark was again stripped of her colonial possessions, and not only lost the islands of Anholt and Heligoland, but the whole of her foreign commerce. By the treaty of Kiel ou the 14th of January, 1814, Denmark accepted Pomerania in exchange for Norway. This province was in 1815 cedel hy her to Prussia, in consideration of her receiving the duchy of Laumburg and a large sum of money. In making peace with England, she recovered her colonial dominions, but with the loss of her fleet and the island of Heligoland. In 1845 Denmark sold her East Indian and African colonies to England.

The most important event in the recent domestic history of Denmark is the protracted struggle hetween the duchies of Schleswig and Holstein and the Danish government. A difference of longstanding between Denmark and the duchies respecting the succession to the crown, which was settled on somewhat different principles by the laws of the two countries, had heen increasing in intensity as it hecame more certain that the reigning family would be soon left withont a direct male heir. In the excitement following the great revolutionary outhreak of 1848 , the duchies resolved to resort to arms; and at once making the quarrel one of races, they appealed to their German brethren for assistance, in order to secure a separation from Denmark. Prussia sent an army to aid the duch es, but Denmark put forth all her resources, and the struggle continued for a long time with varying success. Austria at length prepared to support Denmark, and Prussia eventually withdrew her forccs.

The duchies, though forsaken by their allies, continued to offer the most deternined resistance, but eventually Austria and Prussia stepped in as mediating powers, and as they were prepared to enforce their arhitration by sending troops to occupy some of the strongholds of the country, the duchies were compelled to suhmit, and the authority of the king of Denmark again became paramount. The future relations of the duchies of Schleswig and Holstein and the kingdom of Denmark were finally settled hy a decree dated January 28th, 1852. The question of tho succession to the Danish throue had been referred to a convention of plenipotentiaries of the principal powers of northern and western Europe. The treaty, as eventually agreed upon and signed hy the representatives of England, France, Rissia, Austria, Prussia, Sweden, Norway, and Denmark, set aside the line of Augustenhurg, and scttled the succession to the crown of Denmark upon Prince Christian, of the Sonderhurg-Glucksburg line, and his male-heirs. The integrity of the Danish monarchy, though its dcsirableucas was fully recognised, was not however, as is sormetimes stated, formally guaranteed by this treaty.
DENNY. [STirlingshire.]
DENT. [Yorkshire.]
DEOGHUR, a district in the proviuce of Gundwana, forming part of the dominions of the Raja of Nagpore, and lying principally hetween $21^{\circ}$ and $22^{\circ} \mathrm{N}$. lat. It is separated into two divisions, designated Deoghur above the Ghauts and Deoghur below the Ghnnts. The division above the Ghauts is an elevated tract of country, having the valley of the Nerbudda to the north and the plains of Nagpore to the south. Its surface is undulating, hills and dales occurring in regular succession; the general direction of the hills is east and west. The division helow the Ghauts lies to the south; it is crossed hy several ranges of hills branching off from the Vindhyan chain. In the time of Aurengzebe this conntry was in a very wild and unsettled condition; the raja was little more than the nominal head of numcrous petty chiefs, and was tributary to the throne of Delhi. Shortly after that time the Bhoonsla family obtaincd the chief power iu this part of India, and Deoghur became the central part of their dominions. The title of raja, with a small part of the revenue, was still allowed to the Goond priuces; and the show of sovereigaty, but without any of its power, is still given to the ancient royal family. Deoghur, the capital, is in $21^{\circ} 43^{\prime} \mathrm{N}$. lat., $78^{\circ} 35^{\prime}$ E. long. It was formerly a place of some consequence, but has long since fallen into decay

DEOGHU'R, or BAIDYANA'TH, a place of great sanctity in the district of Birhhoom, in the north-western extremity of Bengal, in $24^{\circ} 32^{\prime} \mathrm{N}$. lat., $86^{\circ} 40^{\prime} \mathrm{E}$. long. At a particular season of the year, pilgrims of all ages, both male and female, resort to this place with small bottles filled with water from the Ganges, to be poured over the principal idol of the temple which they are about to visit. Some of the pilgrims take with them a larger stock of the sacred water than they require to satisfy their own devotional feelings: this surplus is made a subject of traffic.

## DEPTFORD. [Greenwich.]

DEPWADE, Norfolk, a hundred in the eastern division of the county, which has been constituted with adjoining parishes a PoorLaw Union. Depwade hundred is bounded N. hy the hundred of Fumbleyard, E. by the hundred of Loddon, S. by tho hundreds of Frraham and Diss, and W. hy the hundred of Shropham. Depwade Poor-Law Union, the boundaries of which are much more extended than those of the hundred, contains 43 parishes and townships, with an area of 68,883 acres, and a population in 1851 of 26,082 .
DERA-GHAZE-KHAN. [HINDUSTAN-Lahore.]

DERA-ISHMAEL-KHAN. [DAMAN.]
DERBEND, the ancieut Albane, a fortified town in the Russian part of Daghestan, is situated ou the western shore of the Caspian Sea neal $42^{\circ} 12^{\prime}$ N. lat., $48^{\circ} 25^{\prime}$ E. loug., at a distance of 135 miles N.N.W. from Baku, and about the same distanceS.S.E. from Kizliar, at thelead of the delta of the Terek. The population is about 12,000. A branch of the Caucasus, which ruus eastward to the Caspian Sea, terminates about a mile from its shores, forming what was anciently called the Albanix or Caspix Pylx, now the Pass of Derhend. As the mountain ridges in no other place come so close to the sea the extremity of this steep and nearly inaccessible ridge offered a very advantageous point for erectiug fortificatious to command the road along the coast. The town is huilt on the declivity with which the range terminates, and which forms a parallelogram ahout 15 miles in length, but only 400 yards across. The walls which inclose the town on the north and south are continuons to the sea. There are two large iron gates in these walls through which the road passes, and which may be shut at pleasure. Hence the town derives its name, which signifies 'the shut-up gates:' the Turks call it Demir Kapu (Iron Gate). The walls, which are of great antiquity and very strong, are huilt of hewn stones, 26 feet high, and 8 feet thick. They are strengthened with round and square towers. To the west of the town is the citadel, on a more elevated eminence, " which is also well fortified. Many coarse stuffs of silk and wool are made here. Its commerce hy the Caspian Sea is not considerable, the harbour being so shallow that only boats can laud, and vessels remain at a distance of nearly a mile from the shore. The town is very ancient. The first Darius is said to have fortified the pass to check the incursions of the Scythians or Slaves. The present walls probably formed part of the fortifications erected by Chosroes, king of Persia, as a bulwark of his kingdom in this direction. Derbend was afterwards taken by the Arabians, and their chiefs who lost their lives in the enterprise are said to have been buried in the sepulchral mounds which are seen to the north of the town. The Russians first took it from the Persians in 1722, but restored it in 1735. They took it a secoud time in 1795 , and have kept it since.

DERBY, the county town of Derbyshire, a municipal and parlia mentary borough, and the seat of a Poor-Law Union, iu the huudred of Morleston and Litchurch, is situated in a wide and fertile vale on the banks of the Derwent, a fceder of the Trent, in $52^{\circ} 55^{\prime} \mathrm{N}$. lat., $1^{\circ} 28^{\prime} \mathrm{W}$. long., distant 126 miles N.N.W. from London by road, aud 132 miles by the North-Western and Midland railways. The borough is governed by 12 aldermen and 36 councillors, one of whom is mayor; and rcturus two memhers to the Imperial Parliament. The population of the borough of Derhy was 40,609 in 1851. The livings are in the archdeaconry of Derhy and diocese of Lichfield. Derby Poor-Law Union contaius 7 parishes and townships, with an area of 3329 acres, and a population in 1851 of 43,690 .

Derhy is supposed to have risen from the ruins of the Roman station Derventio, which was on the site of Little Chester, a hamlet just out of the boundary of the horough and on the opposite side of the river. There appears to have been here a British town upon the British road, the Rykneld, or Icknield-street. Coius of brass, silver, and gold, with antiquities of various kinds, have been found, and the foundations of huildings are still sometimes discovered. At Little Chester are the fouudations of a Roman bridge over the Derweut.

Iu the time of the Saxons Derhy was called Northworthige; the name of Deorahy is said to have been given it by the Danes, by whom it had been captured. The town was recovered from the Danes by Ethelfleda, countess of Mercia, and daughter of King Alfred, who took the castle by storm, about 918 . It was again taken by the Danes, and was recovered from them hy King Edmund I. in 942. In the time of Edward the Confessor, Derhy was a royal borough. The town of Derby has received many charters from different sovereigns: it claims to be a borough by prescription. The town has sent hurgesses to Parliament since the 26th year of Edward I.

Tle situation of Derby is very pleasant, heing surrounded with rich and beautiful scenery. In the older parts of the town the streets are narrow and winding. Much improvement has taken place in the huildings and the general appearance of the town of late years. The dwelling-houses are mostly built of red hrick, the public huildings of stone. Derby is lighted with gas; and it is supplied with water from the Derwent. The town-hall, a handsome building with an Ionic portico, ereeted in 1828, was destroyed by fire on October 21st, 1841. The outside and centre walls were preserved and retained as part of the new town-hall, in the plan for. which the portico was omitted, and a clock aud bell-tower placed in front. This building is used for all municipal and judicial purposes. The other public huildings include the county hall, the county prison, the horough jail, and the new county lunatic asylum.

Derhy has some fine old churches. All-Saints or All-Hallows church is on the east side of the town, near to the river: the hody of the church, a Roman Doric edifice by Gibbs, was first opened for diviue service in 1725; the tower, erected about the time of Henry VIII., is in the perpendicular style aud of peculiar heauty ; its general arrangement and details are admirable. This tower, which has heen recently restored, is 178 feet high, and its situation adds to the effect of its elevation and its fine architecture. St. Alkmund's church, rehuilt in 1846, is a handsome and commodious edifice in the
decorated strle, and has a tower at the west end, anrmounted with a pire. The height of the spire from the ground is 207 feet. Sit, slichael's ehureh is another gothio building with au ombattled square tawer; the date of erection is nucertain. St. Werburgh's church has frequently suffered from its nenruess to the brook: floods haviug eapped the fouudation, in 1601 the tower fell; it was rebuilt ons the enst side for grenter security, but in 169 S the church itself fell. St. John's chureh is an elegant building of mised gothicstyles. The ludependents, Wesleyan Jlethodists, J'rimnitive Ifothodists, New Connexion Hethodishe, 13ptints, General Maptists, Qunkere, aud Uniturinus have places of wemhip. The Roman Catholics have a fine cathedral chureh, erected about twelve years ago. This building, which ia in the decorated style, is 127 fect long, and 45 feet wide; the unve is 80 feet lorg, the chanueel 27 feet by 20 feet; the tower is 117 feet high.
The Free Grammar school in Derby, originally founded in 1162, has an iucome from endowment of 331. Cs. 8d. a year, and an intereat in ten exhibitions at Emmanuel College, Canbridge. The number of scholars in $1 \$ 53$ was 53. There aro several National, Dioceaan, British, and Infant schools. The Philosophical Society, established by Dr. Darwin in 1783, has a good library; with apparatus, a museun, \&c. T'he Athencum, the Town and County Mnseunn, tbe Town and Couuty Lihrary, the Newn Room, the Mechanics Institution, the Mechanics Hall, the Temperance Hall, the Savings Bank-sufficiently indicate Ly their names their several purposes. The Arboretum is a piece of grouud of about 16 acres in estent, well laid out aud arranged witb trees and shrmbs, so as to combine instruction with recreation, fer the beyefit of the inhabitants at large. The original arboretum, a piece of ground about 11 acres in extent, carcfully arranged by Mr. J. C. Loudon, was given to the town hy Josepb Strutt, Eaq. ; an adjacent portiou of about 5 acres has since been purehased and laid out in a similar inanner. The Derbyshire General Infirmary, opened iu 1810, has accommodation for 80 patients, exclusive of the fever-wards, for which a new wing was lately added : a dispensary, Indies' charity, several set of almshonses, and numerous other charities aro in the town. There are a stone bridge of three arelies, a wooden bridge, and a towing-bridge over the Derweat, and three stone bridges erossing the Markeaton brook, which flows througl: the town iuto the Derwent.

The priucipal mauufactures are of silk and cetton goods, porcelain, jewellery, and orwamental articles made of the various kinds of spar found in the county, red and white lead, lead-pipe, sheet-lead, castirou, ribbed stockings, and bobbiu-net and other lace. Silk-hosiery is exteusively made. In the early part of the 1 Sth century the art of spinning or 'throwing' silh, which had beeu exclusively possessed by tho Italians, was iutroduced into Derby hy a Mr. Crotchet, who did not sncceed iu business. In 171\% Mr. John Lombe, who had obtained acceas to the machinery of the silk-throwsters of Piedmont in ltaly, agreed with the corporation of Derby to rent an island in the river Derwent, 500 feet long and 52 feet wide. Here he erected at a cost of 30,000 an immense silk-milk. This huilding has siace become the property of the corporation, the lease having expired. In lils lombe took out a jatent, and was procoeding successfully in his business when he died. Ile was succeeded by his brother William, and afterwards by bis cousin, Sir Themas Lombe. The whole machiuery of the mill, which was very extensive, was moved by one water-wheel. Many throwing-mills have since beon erected at Derby, and this branch of Industry may be regarded as the staple of the town. The spars of the conuty, especially the fluor-spar, or 'blue Jobn,' are wrought into vases and other ormaments; and the black marble of Ashford is wrought into vases, columns, cbimnes-picces, \&c.

Tbe ansize for the county are held at Derby, also tho Epipbany, Midsummer, and Michaelmas nessions; the Faster sesaions are held at Chesterfeld. A country conrt is held in Derby. Borougb and petty seasione are held. Wednesday, Friday, and Saturday are market-day"; the priueipal market is on Friday. A cattle-market is held once a week on Tucaday. There are nine fairs in tbe year for cattle, cheese, pedlery, \&ic., which are well attended.

The river Derwent was several years since reudered narigable frum the town of Derby to its junction with the Trent, but since the upening of the Derly Camal the mavigation has been disnsed. The Derby Canal branche from the Trent and Mersey (or Graud Trunk) Casal at Swarkeaton, few miles south of Derby, ruus nerthward, and intersecta the Derwent at Derby, a towing-bridge beiug thrown acrow that river. From Derhy the eourse of the enal is eastward until it joins the Fircwanh Canal at Sandiacre. Over the Markeaton Ifrook, which runs througlı Derby, the canal is carried in a cast-iron trowgh or aquednct. From Derby a whort branch of thin canal exteuds to Litule Fiaton, three or four miles uorth of Derby, with two armes to the quarrios on Little Eatou common. Derby is favourahly situated with reppect to railway communication to all parts of the country. The rilway station at Derly in very extensive in its arrangements, and serves to secommodate sereral lines which mect here in connection with the Midland railwsy.

There were formerly four religions houses at or close to Deiby : an abbey (St. Helen'h) of Auguntine canoma, a munnery of lenedictiuen, and houses of Dominicans and Cluniace. St. llelcu's abbey was fonndeal hy Robert de Fermaile, or De lerrern, second Hayl Ferrerm. This abley appears to hare been firat established in Jerby town, and afterwards reasored to a sile about a mile north of Derby, where
there has since arisen the village of Darley or Darley Abley. Thero was horo as hospital for leprous persous ln the vicinity of Derby, on the Nottiughan road, is a convent of the Sisters of Merey; the buidlinga, which are in tho gothic style, are extensivc, and pressut a pleasing appearance.
(Huttou, /Pisory of Derby; ©lever, IIistory of Derby; Iaud We Lire In, vol iii. ; l'arliamentary l'apers; Communication from Derly.) DFRRBYSillliEE, a midland conuty of England, bounded N.E. by Yorkshire, from which it is partly soparated by the rivers Derwent, Rother, and Sheaf; N.W". by Cheshire, from which it in iu this quarter separated by the river litherow; W. by Cheshire, from which it is here separatal by the river Goyt, aul Ly Staffonlahire, which latter connty bounda it also on the S. W; S. Fir by Leicestershire, from which it is partly separated by the Treut; and F. by Notlinglam. shire, from which it is separated by the Firewash. Its form is irregular; the greatest length is from north to south, 56 miles; the greatest hrendth is frem east to west, $3 f$ miles. The area of the county is 1030 equare miles. The population in 1851 was 296,05 1. The conuty is comprchendel between $52^{\circ} 41^{\prime}$ and $53^{\circ} 30^{\prime} \mathrm{N}$. lato, $1^{\circ} 10^{\prime}$ and $2^{\circ} 4^{\prime}$ W. long. Besidea tho main part of tho county bounded and situated as above, there is a small detached portion near the southern extremity inclesad between the comntien of Warwick, Leicester, and Stafford. It contains tho villages and parishes of Mensham, Stretton-in-the-Fields, aud Wilsley; nud the village and chapelry of Chilcota.

Surface, Mydrograply, and Communications. -The southern aud south-eastern parts may be considered as on the whele flat, yet they have an easy ascent towards the north-weatern portiou, which compreheuds one of the most elevated aud rugged distriets in liuglaud. This part (which is commonly known by the name of the Peak) is ocenpied by a part of that range of highlands whicb some geographers have desiguated the Pennine chain, which eeparates the waters that flow iuto the sea on the castern side of the island from those on the westeru sidc. This chain of mountains euters the county at or near its nerthem extrenity, and the priacipal ridge ruas in an irregular line south-sonth-west till it cuters Staffordshire a fuw miles south-west of Buxton. Along this ridge are the following lieights:-Dane Head Stones, 539 feet high ; Blakelow Stones, whicb Farey cousiders to be the highest point of the ridge and of the county generally; Kiuderscout, which Farey states to he 1500 fect high; and the northern and iniddle peaks of Axe.Edge Hill, the southern peak being iu Staffurdshire. The northern or great summit of Axe Edge Hill is $1 \% 51$ feet above the level of the sca. Lord's Seat, to the east of the principal ridge of the Penuine chain, is above 1700 fcet high. This ridge dividea the basin of the Mersey from that of tho Trent, one of that large system of rivers which has the llumber for its estuary. Froms this the principal ridge of the chain, lateral ridges proceed, one of which, branching from the principal ridge uear Axelidge Hill aud runniug south-east, separates the basin of the Derwent from that of the Dove. The ridge which forms the eastern boundary of tho basins of the Derwent, and which extends in a winding course about sixtysereu miles, doea not wholly belong to Derbyshire. It brunches of from the l'cunine chain, in Yorkshire, and approaching the border of that county towards Derbyshire, runs aloug the boundary, then eutera Derbyshire, and proceds in a south-eastern dircetiou across the east moors of the conuty into Nottinghamshire. In this ridge is the hill called Ox Stones, 1875 feet high, between Sheffield (Yorkshire) and Hathersage. Alport or Orpit 1lill, south-east of Wirksworth, is 950 feet high.

The whole distriet of the Derbyshire lighlands called the High Penk is an olevated aron, rising at intervals into a succossion of lofty hills, intersected by uumerous namow valleys. The bills aro mostly bleak and barren, or covered with a thin mossy rerdure juterminglerl with gray rock. Some of the peak-lills rise to a great height: Ashop Nloer is stated to be 1850 feet aud the peak 2000 fect above the lovel of the sea. Tho valless are frequeutly richly wooded and of great picturesque beauty. Tho brondest and the deepest valleys are in the higher parts of tho Peak. The picturesque beauty of the valleys is increased by the frequently precipitous churncter of the hills or rocks which bouvd them. Matlock 11 igh Tor and other rocks in Matlock Dale, aud the rocks which skirt some parts of the valley of the Deve, nere of this precipitous character. In the smaller and narrower dale the projections of one side have frequently compronding recensen on the other.

The rivers of Derbyghire rise mostly in the north-western and more elerated part of the countr, and have a course towards the south or south-east. This is the case with the lerwent and its priucipal aflucut the Wye, with the Dove, which is tho bounlary river of Staffordshire and Derbyshire, and those of ita tributaries which belong to the latter connty. In the eastern part of tho county about Chesterfield, which is separated from the other parts by the ridge of highland which bounds on the east side tho ralley of the Derwent, the direction of the stream that draus it (the Rother) is north-east. In the extreme north-west thero are a few strenms that flow westward into the Etherow or Goyt, and so into the Nerseg.

Tho Derwent risen in a place called 'the Trough,' on the borders of Yorkshlre and Derbyalire, where the principal ridge of the Peunina chain cuters the latter county, and has a sonth-Bouth-easterly comre.

In its progress the Derwent receives on the right bank the Weatend River, the Ashop, and the Noe: on the left bank it is joined by the river Wye, and the brooks Burbage and Barhrook. The Wye rises near the Axe Edge Hill in the principal ridge of the Pennine chain, and flows to the south-east through Miller's Dale and Monsal Dale, and past the town of Bakewell into the Derwent: its whole course is more than 20 miles. From the junction of the Wye the Derwent continues to fiow in a south-south-easterly direction to Derby, and receives on the left bank the river Amher, and on the right bank the Ecclesburn. Below Derby the Derwent runs south-east with a sinuous course of about 12 miles into the Trent. Its whole course is ahout 60 to 65 miles. The scenery of the Derwent is very varied and frequently very beautiful. The banks aro often luxuriantly wooded, hut in some places they rise into hare precipitous rocks, while the stream itself at times flows in a smooth still current, and at others forces its way impetuously over a rugged rocky hed. The course of the Wye is generally through narrow dells with precipitous sides: it rcceives a small trihutary, the Lathkill, just before it falls into the Derwent.
The Dove rises on the border of Staffordshire and Derbyshire, in the slope of the Axe Edge Hill, and is throughout its course the boundary between the counties. Its course is nearly south, with but little variation eastward for about 20 miles, to Hanging Bridge by Ashbourne, near which it receives a stream which comes from the village of Parwick, and the Schoo, which rises near Wirksworth, and flows by Ashhourne into the Dove, after a course of about 10 m les. The Dove, in the upper part of its course, and eapecially along the famous Dove Dale, is one of the most beautiful of English stresme. In parts the mingling of graceful foliage with the picturesque rocks which rise abruptly from the bed of the river, and the clear sparkling water with its hrilliant reflections produce a richness and beauty of effect which, in its way, can scarcely be surpassed. After receiring the Schoo, the Dove is joined by the Churnet, its largest Staffordshire trihutary, and by several minor streams, and falls into the Trent just helow Burton. The whole course of the Dove may be estimated at 45 milcs. The waters of this river have a clear hlue tint, deepening through various shades to a dark purple. It frequently overflows its banks in the spring; and the fertilising effect of these floods has given rise to the distich-

> "In April, Dove's flood

Is worth a king's good."
Sometimes, however, the waters rise with such rapidity and violence as to be very destructive.

The Erecush rises in Nottinghamshire, near the village of Kirkby, and llowing west-south-west for about three miles reaches the horder of Derhyshire, and then flows, first south-west and then south by east along the boundary of the two counties into the Trent. Its whole course is ahont 20 miles. The Mease rises in Leicestershire, near Ashby-dela-Zouch, and flows first south-south-west, tlicn west, and then north-north-west into the Trent. Its course, which is about 20 miles, is for a short distance in the detached portion of Derhyshire, partly on the horder of the county, and partly heyond the border in the counties of Leicester and Stafford.

The Trent crosses Derbyshire in a direction nearly north-east. It touches the border five or six miles north-east of Lichfield, just at the point where the Mease falls into it, and flows about 10 miles nearly north, along the horder of Derbyshire and Staffordshire, past Burton-upon-Trent, in Stafordshire, near which, after receiving the Dove, it quits the border and runs nearly due east through Derbyslire for about 11 miles to the border of Leicestershire. It then turns east-northeast and runs for about 10 miles along the border, separating Derhyshire from Leicestershire and Nottinghamshire, till it receives the Erewash, after which it quits Derhyshire altogether. The Derwent falls into it about 5 milcs above the junction of the Erewash. About 31 miles of the course of the Trent are thus upon or within the Derbysbire border. The Trent is navigable from Burton-upon-Trent, hut in 1805 the navigation was given up by agreement with the proprietors of the Trent and Mersey Canal, which runs by its side, and the navigation of the river now commences at tho junction of the Derwent.
The Goyt rises near Axe Edge, and flows north-north-west along the border of Derbyshire and Cheshire, about 14 miles, till its jnnction with the Ftherow, which has a south-west course of about 15 or 16 miles chiefly on the border of the same counties. The springs of the Etherow are in Yorkshire and Cheshire. The united stream of these two rivers flows into the Mersey at Stockport. They reccive many small streams from the adjacent part (tho High Peak) of Derbyshire. The Rother rises in the East Moor, a mile or two east of Chatsworth Park, and flows castward about 8 miles to Chesterfield, where it turns to the north-east and flows into Yorkshire. About 23 milcs of its conrse belong to Dcrbyshire. It joins the Don at Totherbam in Yorkshirc. The Davoley (10 miles long) is its only Derbyshire trihutary that requires notice. This rises on the Nottinghamshire horder and flows north past Bolsover. The Sheaf, which joins the Don at Sheffield, the Wallin, the Poulter, and the Ryton, whose waters flow directly or ultimately into the Idle, rise in Derbyshire.
Derbyshire has sevcral canals and railroads. The canals are-1, Grand Trunk, or the Trent aud Mersey Canal ; 2, the Erewash Canal;

3, the Derby Canal ; 4, the Cromford Canal ; 5, tho Nutbrook Canal ; and 6, the Chesterfield Canal. The Peak Forest and the Ashby-de-la-Zouch Canals have a small portion of their extent just within the county, but rather helong, the former to Cheshire and the latter to Leicestershire. We shall not therefore notice them here.
The Trent aud Mersey Canal helongs to Derbyshire from its commencement in the river Trent, at Wilden Ferly (at the junction of the Derwent), to Monk's Bridge, where the canal is carried for a mile and a quarter over the flat meadows of the Dove valley on an embankment 13 feet high, with aqueduct bridges over the Dove and one or two other streams, containing 23 arches of from 12 to 15 feet span: 12 of these arches are over the main branch of the Dove. This caual was hegun in 1766 , and its whole extent is 93 miles. It extends throngh Derbyshire, Staffordshire, and Cheshire.
The Erewash Canal commences in the Trent, midway between the junction of the Derwent and that of the Erewash River, and runs northward along the valley of the Erewash, first on the west and then on the east side of that river, and terminates in the Cromford Canal at Langley Bridge; that part of its course which is on the east side of the Erewash belong3 to Nottinghamshire. Its whole length is nearly 11 miles. It has aqueduct arches over the Nut Brook and the Erewash River.
The Derhy Canal is descrihed under the town of Derby.
The Cromford Canal commences in the Erewash Canal at Langley Bridge, and runs northward to the Codnor Park Iron-Works, following the valley of the Erewash, and having the first part of its course on the east side of that river in Nottinghamshire, and the latter part on the west side in Derbyshire. From Codnor it sends off a branch, two miles and $a$ half or three miles long, along the valley of the Erewash, on the right or Derhyshire side of that river, to the villago of Piuxton, while tho main line of the canal turns westward to the valley of the Derwent, crossing the river Amber in its way; it then turns to the north-west, and follows the valley of the Derwent, first on the left and then on the right side of that river, to Crounford Bridge, where it terminates: the length of the canal is uearly 15 miles. Between the valley of the Erewssh and that of tho Derweut, this canal is carried through the higher ground hy a tunnel more thau a mile and a half long. There are three aqueduct hridges on the line of this canal. One is over the Erewash; oue, Bull Bridge aqueduct, which is over the Amber, is 600 feet long aud 50 feet high: the third aqueduct is over tho Derwent, at Wigwell, and is 600 feet long and 30 feet high; the span of the river arch is 80 feet. A railwsy from Mansfield communicates with the Pinston branch, and the Cromford and High Peak railway communicates with the msin line of the canal near its termination at Cromford Bridge.

The Nutbrook Canal commences at the collieries at Shipley, on the right of the road from Derby to Mansfield, and runs nearly south for four miles and a half into the Erewash Canal. Several railways lead from the neighbouring collieries to the Nutbrook Canal, the couveyance of coal being its chief ohject.
The Chesterfield Canal commences in the tideway of the Trent, below Gainsborough, and has the greater part of its course in Nottinghamshire, and a small part in Yorkshire. It enters Derbyshire from Yorkshire ncar the village of Kilmarsh, in the valley of the Rother, and runs southward along that vallcy to Chesterfield. Its whole length is 46 miles, of which ahout 12 miles are in Derkyshire. Many railways communicate with the canal, and are intended to convey coal and iron from the collieries and iron-works.

The principal mineral railway is the Cronford and High Peak railway. The others are chiefly private property, and are designed to convey the produce of mines, collieries, and iron-works to the various canals. The Cromford and High Peak railway connmences at the Cromford Canal, near its termination at Cromford, and runs in an irregular line north-west to the Peak Forest Canal, which it joins at Whaley Bridge, three or four miles west of Chapel-en-le-Frith. It passes near Wirksworth and Buxton. Its length is nearly 34 miles, and it has six inclined planes.
The passenger railways of Derbyshire are chiefly connected with the Midland line, which has its great central station at Derhy. The west branch of the Midland railway enters the county a short distance north of Burton, and proceeds in a direction generally northward past Derby and Chesterfield, a few miles beyoud which it enters Yorkshire ; its length within Derbyshire is about 40 miles. From Derby a branch is carried eastward to meet the Nottingham branch of the Midland at the Long Eaton station; its leugth in Derbyshire is about 9 miles. From the Ambergate station of the Midland railway a line called the Manchester, Matlock, and Midland Junction is carried westward through Matlock and along Darley Dale to Rowsley. The length of the Matlock line, which is wholly in Derhyshirc, is $11 \frac{1}{4}$ miles. The North Staffordshire railway, which leaves the Midland at Burton, runs aloug the border of Derbyshire and occasionally within the county, but it belongs morc properly to Staffordshire. A short brauch of tho North Staffordshire railway leaves the main line at Rocester, and runs near the boundary of Derbyshire and Staffordshiro to the town of Ashbourne, ahout 7 miles. The Manchester, Sheffeld, and Lincolnshire railway skirts tho northern boundary of the county, and has a short branch to Glossop.

The knent road from London to Manchester, Carlisle, and Glangow entera Derbyshlro at Cavondish Bridge, over the Trent, just above its junction with the Derwent, muns north-west throngli Derby and Ashbournc, and quits the county at llanging Bridge, over the Dove. Two other roads to Mauchester branch off from that just dreseribed ; one at Ashbourno, whlch runa north-north-weat through Mixtou, aud quits tho connty at Whaley Bridge; snother at Derby, which runs through Matlock, liakewell, and Chapel-en-le-Frith. Ninmerous other important ronds pass through tho county.

Ueology and Jineralogy.-That part of Derbynhire which lies south of a line drawn through Ashbourne, Duftield, and Sandiacro is almost entlrely occupied ly the red marl or new red-eandstone, tho formation which overspreads so largo a portion of the midlaud counties. Thero aro fow spots in which the suaguesiau limestone, whieh ordinarily underlies it, rises to the surfaco; and just on tho Leicestershire border, near Ashby-de-la-Zouch, the coal-measures emerge from beneeth it, and form ono or two small detached conl-felds. The strata of the red marl present considerable variety: among them are some micaceous gritstone beds producing a good freestone; other strata are not concreted, but appear 88 ennd, red, white, and yellow; others are more clayey, and from them bricks and tiles aro made. The strata of the red marl formation aro generally horizontal or nearly so. Several deposits of gypsum are found in this formation, and are quarried in several places, as at Darlcy Abbey, in the tongue of land formed by the Derweut and tho Trent, and in the southern extremity of the county. The gypsum which is quite white, or only faintly streaked with red, is used by the potters of Stafforishire (as plaster of Paris) for their moulds; some fine blocks are selected for the turners of alabaster ornmments, and the inferior sort is used by plasterers for ordinary purposes or for making the plaster fioors often eenn in this county. Some of the best land in or near Derbyshire lies on the red marl; in general however it is inelined to be too tenacious and cold. This formatiou also occupies a rery small portion of the county at its enstern extremity.

The newer magnesian or conglomerate limestone, which crops out from uader the red marl of Nottinghamshire, and skirts it on its western border, extends into the eastern part of Derbyshire, where it occupies the part cast of a line drawn north and south through Bolsover. The general colour is ycllow, of various shaden, from a bright ganboge to a light straw colour or white. Mnny of the beds have a graunlar texture, and cannot be calcined; they liaro generally passed with the inhabitants for gritstone rather than limestone. This limestone is quarriod for building, also for fooring and staircases. Towards the bottom of the series are several beds of compact blue limestone, imbedded in blue clay, and abounding with shells. This blue limestone yields excellent lime: it is quarried at Bolsover, where also pipe-clay is obtained : the pipe-clay separates tho limestone beds, The strata of the maguesian limestone form a better subsoil for arable than for grass land.

The coal-mensures uuderlie the magnesian limestouc, and crop out from benenth it on the west. Theso coal-measures form a portion of that important conl-ficld which occupies a considerable part of the wert riding of Yorkshire, and extends into Nottinglamshire and Derbyshire, being bounded on the east by the magnesian limestone, and ou the south by the red marl. Tho strata range from north to south, and dip to tho east. The Derbsalire portion of this coal-fichl is east of a line drawn from betwoeu Hathersage and Shefficld to Little Faton uear Derby. There aro tweuty gritstono beds, some of them of great thickness, and uumerous strata of slate-clay, as shale, bind, and elnneh: some of tho shale beds contain rounded or ovate masses, and even thln strata of argillaceons ironstone, with impressions of musuel shells, and conly impressions of vegctables. A hard argillaceous rock, called crowstone, forms in somo places tho floor of the coal-beds. Every raricty of coal acems to bo found iu this field, hard stone coal, cannel, peacock, and caking conl. Tho beds which lio between the seams of coal are worked for various purposes. The workings of the lronntone are generally begin at the surfacc, and pursued until they become dangerous from the loose nature of the ntratum in whlch they lie: the ironstono which is marked with impressions of mussel shell. (called the musel band) is sorked as an ornameutal inarble. From the gritstone-kedn are qnarried grindstones for cutlers: tho binds, Whero thoy are hard and black, are used as black chalk; others, when decomponed, make good brick earth: the clunels is sometimes of that kind whlch is uned for firebricks; where it crops ont to tho surface It becomes soft clay. Potters' clay of various colours and qualities occumin thes oond-ficld.

Millatono-grit and shale form a series of strata, having an aggregate thicknen of sbout 870 feet; tho millatone-grit, 360 feet thick, forming the 1 pper part, and the shale and its associnted rocks, 510 fect, tho lower part of tho formation. Tlie hille formed by it usirally present a bold cacarpuent, crowned by rude piles of crnga, exhibiting come of tho wildeat rock scenery of the rlistrict. The shalo occnpies a lower district between this and the carboniferoun limestonc, but in this lower tract aro occasional insulated mountaina, crowned with a cap of millstonegrit. Klnderncout is one of thene. The shale coutains some alternating bedn of fino-grainel ailiceous grit and nodules of lronstone; and it han mome subjacent and apparently local beds of shale limeatone, whiel afford a beautiful black marble.

Carbonlferous or mountain limestone occuples the tract bounded on the south ly the red marl, and on all other kides by the millintone-grit and ahale junt described. There are one or two places in tho southern part of the county where the limentone crops out On the eastern side of tho county the strata dip under the shalo; but on tho weatern side, by a great fiult, the lowest lood of the limestono is elevated and brouglit intu contact on the name lerol with the nlale. The limestone is rliviled into four leeda by threo intervenlag beds of toadstone. In each bed of this limestone thin beds of elay are found, with imbedded masses of toadstone, and rarions organio remaina. The lowest berl, which is the most cateemed by tho line-bumern, han very few dark coloured strata; but in the three upper beds theso aro more common, and the second bed contains some very fine black strata, whlch are quarried as black marble. "The upper bed is also quarried as uarble, and contains white chert or china-stono, which is extonslrely used in the Staffordshire potteries. The beautiful fluor apar called '13luo John,' from which vases and other ornaments are made, is found in a monntain of limestone.

The ontcrop of the carboniferous limestone forms the lead distriet of Derbyshire. Numerous veins have leen worked in it chiefiy for lead; but ores of zinc, iron, manganose, and copper also occur. Lead ore is found oecasionally in the toadstono whicli interrenes botween the limestone-bods, but commouly the veinsare cut off by the tondstonobeds. The reins which contain lead have generally a directiou east and west ; somo of them approneh the perpendicular (make veins); others are nearly horizontal (pipe veius), and are rather beds of spar and ore, lying between the strata of limestouc, aud in most cases connected with the surface by a rake vein.

The limestone strata of Derbyshire are subject to very remarkable derangements or faults. They are charncterised also by numerous caverns and by the frequent engulphment of the streams by subterrancous courses termed swallow holes. The caverns appear to have been excavated wholly or chiefly by the agency of water. There are several varieties of the toadstone, which sometintes passes into ordinary basalt : among the substances inclosed are tho quartz crystals locally termed Derbyshire diamonds.

Of the limestone caverns the most remarkable is that now gencmilly known as ' Pcak's Hole, or tho 'Dcvil's Cave, ucar Castleton. It is situated at tho extremity of a deep and narrow rocky chasm in the valley in whieh Castleton stauds, whero craggy projections lide it from the traveller uutil he approaches pretty near. The entrance is a tolernbly regular arch of about 40 feet high and above 100 feet wide, cxtendiug iu leagth nearly 300 feet. At the end of this vestibule, as it may be termed, the arch coutracts, and the visiter is obliged to stoop until he cmerges iuto n spacious vault, called the 'bell house.' A secoud contraction, whero the roek closes almost down upon the surface of a stream of water which occupies the passago, couducts to a third cavern, said to be 200 feet wide, and in some parts 120 feet high: this is succeeded by a series of caveruous chambers at the extremity of tho farthest of whieh the rocks elose down upon tho stream of water in such a way as to precludc all access to the caverns which are supposed to lio beyond. The water which thus obstructs farther progress is a stream engulphed at a apot called Perry-foot, threo miles from Castleton, on the Manchester road; it re-appeara in the innermost recess of the cavern, through the successive chambers of which it flows, and emerges into daylight at the cutrance. After heary raius this stream is so muell swelled as to render it impossible to reach the farther part of the cavern. Elden Hole is a perpendicular claasm in a linestono rock near Castleton more thau 180 feet decp, with a moping passage to an interior cavern or serics of caverns it is supposed that a second chasm of unknown depth descends from the bottom of this cavern, Another scries of grottoes (Bagshaw Grottoes), extending about 2000 foet, adorned with stalactites, was first explorod about the commencemeut of the present century. There are several other caverns in the Peak.

The mineral springs of Derbyshiro are nunerous and important. Tho most celebrated warm springe are those at Buxion and Matcock. There are also warm springs at Stoney Middleton, where it is mpposed that tho Romans establinhed a bath. The most celcbrated of the sulphureons waters is at kedleston Park, three miles north-west from Derby: They are valued for their nntiscorbutic qualities. There are several chalybeato spriugs.

Soil, Climate, Agriculture.-On the high hills and moorn of Derhy. shire there aro great tracts of rongle pasture which with a moderate outlay might bo improved or converted into arable laud. In the valleys, or on the lem abrupt lills, n very fortile red inarly loan is frequently met with. Of this kind are tho lands about Bartou, Blount, and Ash, and in several places in tho southern and eastern part of the county. The soil on tho enrfaco uaturally partakea of the unturo of the rocka which are found inmediately below it ; and whero any particular stratum risen to the surface, or crops out as it is called, the soil is chicfly marle up of the smo earthy substances, which havo been more or lean decomposed by tho action of the air and inixed witl ${ }_{1}$ regetablo 1 natter.

Most of the soils in the county may be ranked annong the clays and loams of varioun degrees of fertility, there being but a very small proportion of sandy soils in Derbyshire. Where these occur, they nro mostly alluvinl, apparently washed out of the loam and brought
together by currents, or the decomposition of tbe grit and micaceous sandstone in the grit or limestone shale.

The clinate of Derbyshire varies according to the situation and height of the land above tbe level of the sea. Tbe quantity of rain tbat falls in the mountainous parts is much greater than that in the low country: at Chatswortb, for instance, the annual fall of rain is about $28 \cdot 41$, and at Derby 24.77 inches. The time of harvest is rather late in exposed situations, and is frequently much protracted by abundant rains in the month of October.

The wheat produced on the red land is good and heavy. When the wheat has failed during the winter, and looks poor and thin in spring, it used to bo a common practice to sow barley amongst it; tbe mixed produce was called 'Ulend,' and was ground to a coarse meal of wbich bread was made for the labourers. Spring wheat has been found a better substitute, and blend is now seldom met with. Haver cake made of oatmeal is still a common bread of the labourers, although wheaten bread is now very generally preferred.

Potatoes are raised in considerable quantities, both in garden plots and in the fields, where they are planted in rows and moulded up with the plough. The produce on good loams, well mauried, especially on land ploughed up from grass, is very great.

A large proportion of the lands is in permanent pastures, of which sorne are very rich. Derbyshire cheese is noted as of a good quality, and the best is often sold for Cheshire or Gloucester when made of the shape and colour of these cbeeses. The common Derbyshire cheose is not generally coloured. It resembles some kinds of Dutch cheerea, and keeps well.

There arc some very highly productive meadows along the course of the rivers in this county, but an improved system of embankment and irrigation is still wanting in many favourable situations. The meadows along tho Dove and other rivers are from their situation very subject to sudden floods, which endanger the safety of the cattle grazing in them. Some of the upland pastures are very rich, and will fatten the heaviest oxen. There are mauy woods and coppices scattered through the county. The coppices are allowed to grow for 20 or 25 years before they are cut, in order that the poles may acquire a considerable size, and be proper for supporting the roofs and sides of excavations in mines and coal-pits, or fit to make ladders of.

The horned cattle of Derbyshire have no peculiar character. The various improved breeds are net with in the richer pastures, and harclier animals on the mountains. The sbeep on the hills are similar to those found on the Cheviot Hills; in the valleys the Leicester and South Dowu breeds, and various crosses, are generally preferred by the best farmers. The Derbyshire breed of horses is good, and many are bred in this county which are fitted for the carriage and the saddle, ae well as for tho farm, and form an important article in the profits of somo of the larger farms.

Dirisions, Towns, dec.-The divizions of Derbyshire for civil purposes were anciently called wapentakes; and of these divisions tbe Domesday Survey mentions five : Scarvedale (Scarsdale), IIamestan (supposed to be what is now called the High Peak Hundred), Morlestan (Morleston), Walocross (supposed to be what is now the hundred of Repton and Gresley), and Apultre (Appletree); besides a district called Peche Fers (Peak Forest). A document of a somewhat later date (tbe 'Ifundred Holl,' A.D. 1273) speaks of the wapentakes of Peck (Peak), Scarvedale, Apeltre, Repindon (Repington or Repton), Greselegh (Gresley), Littlechirch (Litchurch), and W yrkesworth (Wirkswortb). Other records speak of the hundreds of Risley (Gresley?), and Sawley. The present division is as follows. The Wirksworth division is still called wapentake: the otbers are called hundreds.

1. High Peak, north and north-west, and central; 2. Wirksworth west and central ; 3. Scarsdale, east and central ; 4. Morleston and Litchurch, south-east; 5. Appletree, south-west and central ; 6. Repiugton or Repton and Gresley, south. .

There is in Derbyshire only ono parliamentary borough and markettown, Derby; the other market-towns are sixteen. Of the following an account will be fouud under their respective articles :-Alfreton, between Derby and Chesterfield, Ashbourne, Ashover, near the East Moor, Bakewell, on tho Wyo, Belper, on the Derwent, Buxton near the head of tho Wye, Chapel-on-le-Frith, in the High Peak, Chesterfield, on the Rother, Crich, betweeu the Anber and Derwent, Ilkeston, in the valley of the Ercwash, and Wirksworth, botween Derly and Matlock. Of tbe other towns, namely, Cromford, Dronfield, Heauor, Ticleswell, and Winster, with the town of Melbourne, wo subjoiu au account. There are several other places which formerly had markets.

Cromford is chiefly on the right bauk of the Derweut; 15 miles N . from Derby; population of the township 1190. It lies in a deep valley, inclosed on the north, south, and west, by lofty limestono rocks. The late Sir Richard Arkwright erected here a spacious cotton-mill on the left bank of the Derwent; it is now occupied by the Messrs. Arkwright, his grandsons, who employ in these mills and those at Masson, a little higher up the Derwent, several hundred persons. The housea and mills are chielly built of gritstone. The chursh is a plain building, begun by the late Sir R. Arkwright, and finished by his son. There are places of worship belouging to the Wesleyan Methodiste; National and British schools; and almshouses for six poor widows. Lead-mines are worked in the neighbourhood;
lapis calaminaris is ground and prepared, and red lead manufactured. There is here a station of the Manchester and Matlock Junction railway. The Cromford canal terminates here, and the Cromford and High Peak railway joins the canal a short distance south of the towu. The market is held ou Saturday, and there are two fairs in the course of the year.

Dronfield is on the road between Chesterfield and Sheffield, about 30 miles N. from Derby: population of the township, 2469. The parish church is beautifully situated on a hill; it has a fine tower and spire, cbiefly in tbe decorated style. There are meeting-bouses for Quakers, Wesleyans, and Independents. Some manufactures are carried on, chiefly of iron goods, as railway wheels, cast-iron chains and nails, axes, chisels, and otber edge-tools, and agricultural implements. The market has been discontinued.

Heanor is 9 miles N.E. from Derby: population of the township 3427. The cburch is of tbe early English style. There ure Independent, Baptist, and Wesleyan and Primitive Methodist meetinghouses in the parish. Heanor is well situated for trade, the Erewasb Canal passing through the parish, and the neighbouring district having many coal-pits. There are manufactories for cotton goods, hosiery, and bobbin-net lace. The market was on Wednesday, but has, we believe, been discontinued.
Melbourne, 8 miles S.S.E. from Derby; population of the town 2227. The church, whicb is partly Norman, contains several monuments of the Hardinge family. The Independents, Baptists, Wesleyan Methodists, and Swedenborgians have chapels. There are here a mechanics institute and a National school. A custonary market is held on Saturday. Viscount Melbourne has a handsome seat here.
Tideswell is about 35 miles N.N.W. from Derby; population of the township 2035. It is a small town situated in a bottom amid bleak naked hills. The houses are low, irregularly situated, and ill-built. A rivulet of clear water runs througb the town; the ebbing well, which is supposed to have given name to the town, has ceased to flow. Tbe church is a fine building in the form of a cross, built about tbe middle of the 14 th century. The chancel is lighted by nine richly ornamented gothic windows, and contains the monument of Robert Purgglove, suffragan bishop of Hull in the reign of Mary, and founder of a Free school and almshouses for twelve poor people at Tideswell. The Roman Catholics, Independents, and Wesleyan and Primitive Methodists bave places of worship in the town. The market is on Wednesday.

Winster is 24 miles N.N.W. from Derby : population of the township 928. This little town runs along the side of a steep eminence. The houses are built of limestone, and are partly thatched and partly covered with stone : they are intermingled witb orchards and gardens. The church has been recently rebuilt. The Wesleyan and Primitive Methodists have chapels. The market is on Saturday. The inluabitants are chiefly engaged in mining. On tho commons in tho neighbourhood of Winster are numerous barrows.
The following are some of the more important villages, with their population in 1851, and a few other particulars:-
Ashford, 25 miles N.W. from Derby, populatiou 777, adjoins Bakewell, of which parish it is a chapelry. The church is ancient. In the village are extensive marble works. There are also quarries of limestone, aud lead mines. The scenery of the Wye about Ashford, particularly along Monsal Dale, is exceedingly benutiful, and is much resorted to by tourists and anglers. Beauchief, 32 miles N. from Derby, population 133, is noteworthy as containing some remains of Beauchief Abbey, a Premonstratensian monastery founded in 1183 by Robert Fitz Randolph. Beighton, 34 miles N. by E. from Derby, on the north-eastern border of the county : population of the parish, 1123. The church is ancient. There are Metbodist chapels and a Free school. Scytbes and reaping.hooks are largely manufactured here, and at Hackington, a hamlet to Beighton. At Birley is a spring of mineral waters, which has been mucb resorted to for bathing and Urinking. Tbe North Midland railway crosses the river Rotber at Beighton by a very large and substantial bridgo, and enters Yorkshire. There is a station here. Bradwell, a large village 34 miles N.N.W. from Derby: population, 1334. The inhabitants are chiefly miners; some hatmaking is carried on. The Wesleyan and Primitivo Methodists and Unitarians have places of worsbip. The village possesses an Endowed Free school, and some parochial charities. Bradwell cavern is an exteusive natuml cavern containing many recesses or grottocs, and is remarkable for the bcauty of its stalactites. Brailsford, a large village 7 miles W.N.W. from Derby: population of the parish, 708. The church is handsome and has a lofty tower. The Wesleyan and Primitive Methodists havo places of worship, and thero is a National school. Brampton, 27 miles N. from Derby; the parish is very extensive, being 7 miles by 31 miles: population, 4400. Besides the parisb churcb there is a new church at New Brampton. The Wesleyan and Primitive Methodists have places of worsbip, and there is a National school. There are large factories of iron, eartbenware, and needles. Brimmington, 26 miles N. by E. from Derby: population of the chapelry, 1103. There are here a church built in 1847, chapels for Wesleyan and Primitive Methodista, and a National school. Castleton, 35 miles N.N.W. from Derby : population of the township, 867. The church is ancient, and has a tower with eight bells. There is a Wesleyan chapel. In the parish are some lead
mines whlch employ many of tho iuhabitants Twino-spinuing is carried on. The village is chiefly dependent upon tourists and other viniters ; the hounes aro mostly of a rery pmor description. At Castleton are the Peak and other caverns mentioned more fully elecwhere. Pereril Castle, on the summit of tho lony hill directly over tho entrance to tho Penk carern, appears to havo boen erected by William l'ereril, a natural sou of Willinm the Conqueror: only the kcep of the castlo now remaina, and it is in a very ruinous condition. Chellaston, 4 miles S. by E. from Derhy: population of tho parish, 499 . The ehnrch was rebuilt in 1842. The Weelegans and lkaptists have places of worship here. Gypwum is extensively worked. Chelmorton, 25 miles N.W: by N. from Derby: population of tho chapelry, 233. The ehurch is ancient; it contains a good stono fout. The ludependents, Primitive Methodists, and Unitarinas have places of worship. Thero are some barrows in the vicinity. Claylane, 20 miles N. from Derby: population of the township, $22 i s$. The Midnad milway has a principal station here. The villago is situated on elevated ground in the midst of an important mineral district. There are a church, a Wesleyan chapel, a British school, and a mechnnics Instituta. Thero are hero extensive collieries and iron-works Codnor and Loscop, 9 miles N.N.E. from Dorby : population of tho bamlet of Codnor, 1439; of Loscoe, 451. A church and school-house wero erected in 1844. The Methodists and llaptists haro places of worship. At Loscoe thero is a colliery. The Erewash railway has a station at Codnor. Codnor Park : population, 735. The Butterly Iron Com pany havo extensive iron-workm and collieries here. Iron, lean, limestone, and coal are abundant. The milway runs to Codnor Park Some remains of the wnlls of Cornor Castle are still standing. Cubley or Big Cubley, 13 miles W. from Derby: population, 387. The church is Norman, with a lofty tower. There is a National school A market was formerly held here. Darley, 22 miles N.N.W. from Derby: population of the township, 1375 ; a village picturesqucly situated on the left bank of the Derwent. The church is a spacious edifice of the Norman style; in the churchyard is a yew-tree of very large size. The Wesleyan Methodists have a chapel, and thero is a National echool. There are here extensive flax-spinning mills. Darley Dale is excoedingly beautiful, and of considerable exteut. Denby, 7 miles N.N.E. from Derby : population, 1203. The church is in the early Finglinh style, and contains somo good monuments. There aro a Wenleyan chapel and a Free school: also somo parochial charitios In the parish are extensive collieries. Iron-stone and cement are found. Dethick, 17 miles N. from Derby : population of the chapelry of Dethick and Lea, 866. The church is in the perpeudicular style. Tho inhahitants are employed in lead-smelting, and the manufacture of hats and hosicry. There are Weeleyan and Unitarian chapels, and a Frce sehool. Duffield, 4 miles N. from Derhy, population of the township, 2926 , is situated on the right bank of the river Derwent. The church, which has been lately restored, is a spacious and very handsomo building, with a lofty spire. The Wesleyans, Baptists, and Unitarians have places of worship. In the neighbourhoot are somo good mansions. Little Eaton, 3$\}$ miles N. from Derby population of the chapelry, 692. Benides the church there are places of worship belonging to Independents and Wesleyan Methodists; also a National school. Paper-mills and stone quarrics give employ ment to many of the inhabiturta Long Eaton, 10 miles E. from Derby : population of the township, 933 . Besides the church, which has becn lately repnired, there is a Wesleyan chapcl. Fancy netmaking is carried on. At Long Enton several lincs of railway meet. Eckington, 31 milce N.N.E. from Derhy: populntion of the parish, 4958. The inhabitants are chiefly occupied in the manufacture of mais, spades, cdge-tools, and cutlery. There is an iron fourdry. Tho church is large and ancient. Wesleyan and Primitive Methodists have placen of worship. There is a Firee school. A small market for butter and egga is beld on Fridny. Two cnttle fairs are held annually Edensor, 24 miles N.N.W. from Derby: population of Edensor and Chataworth township, 346. The ancient church has several costly monuments to members of tho Devonshire family. The houses and cottages are modern, huilt by the present Duke of Devonshiro in the Flizabethan, Italinn, and Swise stylen, Chataworth is in the parish of Eilennor. Eyam, 30 iniles N.N.W. from Derhy: population of the townshlp, 1079. The clurch is anclent, and covcred with isy : in the churchyarl ls an antique stono crose, riclily carved. Tho villigge mequired a painful celebrity from the ravages of tho plaguo in $1666^{\text {: }}$ the tomb of Mrs. Mompesson, whose derotednens during tho visitation in no well known, In in the clurchyard. The country around Eyam in exceelingly pleturenque, and abounds $\ln$ carems and rocky scenery. There aro many quarries and mineas Some druidical remains exist in the neighbonrhood. Chureh (ircesley, populntion 1257, nud Catle Gredey, ppulation 190, sitriated 12 miles S.S.W. from Derby Benides the olurch, whlels in ancient, there are chapels belonging to Wealeyan and Priunitive Methodinta. The Inhabitanta are ehicfly employed in the collieries, potteries, nud fire-brick works, Jlarting ton, 22 miles N.W. from Derby: populatlon of the parish, 2088 . Tho chumb in old. The Wealegan Methodistn bave a place of worship. A market for butter and eggn in held on Wedneerday. In tho ueigh bourhood aro tumuli and other antiquitica. Ifalherange, 32 inilem N.N.W. from Derby, populstion of the township, 832, in situated in a wild mountainous district. The ehurch is in the perpendicular
trie; in it are sereral curious old tombs. In the churchyard, according to local tradition, Little John, the companion of lobin llood, was huried; two upright stones about 11 feet apart aro anid to mark the grave. The Weslogans and Roman Catholics havo chapels. N'eedles, pins, odgotools, and mill-stones aro manufactured here. Ileage, 9 miles N. fron Derby: population of the chapelry, 2278. The chanel of eare was enlarged in 1836. Thero are Independent aud Wosleyan and ['rimitive Methodist chapela, a Free school, and a National ecliool. The iron, marble, aud stone works are on an extensive sale. On the Cromfurd Cmind are large warehouses aud wharfa. Ifigham, population 417 : about 15 miles N. hy F., fron Derby. A market formerly held hero was dincontinued in 1755 ; the marketcross is still standing. A cattlo fair is held in January. The Weslcyan Methodists have a place of worship. The parish possesses Freo nad Iufaut schools, and several parochial charitiea. Hollonook, $5 \frac{1}{2}$ miles N.E. from Derby: popnatation of the chapelry, 981 . The church was rebuilt in 1811, by W. Erans, Eisq., M.I.', who also supports a Freo school and an Infant school. The Independents and Methodists have chapels hero. Thero are soveral stone quarrien of considerable extent. In the neighbourhood are some good mansions. IIope, 35 niles N.N.W. from Derby : population of the township, 429. Tho church is ancient and very handsome. The Wesleyans have a clappol. There aro a National seliool and some parochinl charities. The inhabitants are employed in the quarries and cotton-milla. Ironville, 12 milcs N.N.E. from Derby ; the population of the ecclesinstical district, formed in 1850, was 2276 in 1851. Ironvillo is a busy and populous district. The inlakhitants are employed in the iron-works, smelting, \&c. There are National and Infant schools, and a mechanies institute. Killamarsh, 32 miles N.N.E. from Derby: population, 1070. Tho church, which is of tho Norman style, stands outside the village; the chancel has been lately rehuilt. There is an Industrial F'ree school. Collicries and iron-works givo employment to many of the inlabitants. The Chesterfield Canal passes through the village. Measham, 15 miles S. from Derhy: population of the township, 1607. Tho church is largo and handsome. There are Wesleyan Methodist and Baptist chapels, and National and British schools. Several silk-mills arc in the village. Middleton, propulation 1012, about 15 miles N.N.W from Derhy, possesses a small chapel of case, and chapels for ludependents and Wesleyan and Primitive Methodists. There aro several marhle quarries. Stoncy Middleton, 29 miles N.W. from Derby population, 593. The chapel of ease was huilt in the last ccutury There are chapels for Wesiegan Methodists and Unitariaus, and an Endowed school. The village is picturcaquc, and the scenery in the vicinity is exceedingly heautiful. In the neighbourhood are surelting. worts and limekilns. Mifford, 6 miles N. from Derhy: population of the ecclesiastical district, 1933. Besides the church there are Weslcyan and Primitive Methodist chapels, and schools founded by the Messrs. Strutt. Therc are extensive cotton and bleaching-works, and an iron-foundry, in which all tho machinery for the cotton-mills is cast and made. Gas-works at Milford supply the town of Belper. Monyash, 24 miles Y.W. from Derby: population, 473. The church is ancient. The Primitive Methodists and Quakers have chapels, and there is an Endowed Firce school. The market is held ou Thursday; fairs are held in Fehruary, September, and October. Nezo Mills, a largo village, 39 miles N.W. from Derby: population of the ccelesiastical district 4366. Besides tho church, there aro Wesleyan, Primitive, and Association Methodist chapels, nlso a haudsome lioman Catholic chapel of recent erection, in the carly Euglish style. The inhahitants are mostly employed in the extensive calico priuting works. South Normanton, 14 niles N.N.F. from Derly population of the parish, 1340. The church, which is spacious, is of the decorated style. Thero are chapels for Primitive and Wesleyan Methodists, and a National school. Ockbrook, 5 milcs E. from Derby population, 1763. The clurch, partly Norman, was repaired and enlarged in 1835. There aro chapels for Wesleyan and Prinitivo Mcthodists, and a National school. The Moravians liave a large establishnent, comprising, besides dwellingn, schools for hoys and girls, a chapel, \&c. Pleasley, on the border of Nottiughanahire, 26 miles N.E. by N. from Jerby : population, 654 . Tho chureh is of considerableantiquity. There is a mechanics iustitute. A market was formerly beld bere; the market-cross is still standing. In Pleasley Valc aro two large cotton and morino-milla Repton, of miles S.S.W. from Derby: populntion, 1863. The church is remarknble for its elegant spire 188 foct in beight. The chancel, partly of Anglo-Snxon dinte, is more ancient than tho other parts of the building, except the crypt, which is probably the most perfect remnining examplo of an Anglo-Saxon crypt. The Wesleyans nad Independenta lave places of worship. Fart of the refectory of tho Augustinian priory is still standing, and the gateway forms the entrance of the Graminar echool. This achool was founded in 1550 by Sir John I'orter, who tlevoted all his ostates in Derbyshire nud Lancashire to foundiug aud eudowing this school, and an lospital at Etwall. Tho income from the endowment is about 3000l. a year; there are sevcral exhibitlonn to Oxfond and Cambridgc. The school in free to the mons of inhabltants of Etwall and lepton parishes, and to eight scholars on the foundidion, appointed by the governors in rotation. Tho number of acholars ln 1853 was 60 , of whom 34 were free. Repton is a place of great antiquity. It was tho
residence of the Mercian kings, whose place of sepulture was the original priory. Ripley, 10 miles N. by E. from Derby: population of the chapelry, 3071. Besides the church, erected in 1820, there are chapels for Baptists, Wesleyan Methodists, and Unitarians, and a National school. The town is well built, and contains some good houses and shops. A customary market is held on Saturday: fairs are held on Wednesday in Easter week and the 23rd of October. In the neighbourhood are several large collieries and a cotton factory; also tho extensive works of the Butterly Iron Company. The Cromford Canal and the Erewash railway pass close by Ripley. Sandiacre, 9 miles E. from Derby: population, 1065. Besides the church, there are places of worship belonging to the Wesleyan aud Primitive Methodists; also a National school. The principal manufacture is that of lace and warp net. There is a starch factory. The Erewash railway and canal pass through the village. Sawley, $8 \frac{1}{2}$ miles E. by S. from Derby: population of the township, 1001. Besides the church, which was enlarged in 1838, there are chapels belonging to the Baptists and Wesleyan Methodists, and a National school. The Midland railway has a statiou here. Stapenhill, 11 miles S.S.W. from Derby : population, 2604 ; is situated on the right bank of the Trent opposite the town of Burton-upon-Trent. The church, an elegant edifice, standing on an eminence, was erected in 1830, at the expense of the vicar. There are a Wesleyan chapel, and National and Infant schools. Staveley, 28 miles N.N.W. from Derby: population, 3898 , is a busy and populous place. There are very extensive iron-works and conl-mines. The Chesterfield Canal passes through the rillago ; and there are tram-roads from the collieries. Staveley is a station ou the Midland railway. The church contains some aucieut monuments and stained-glass windows. There is a chapel for Methodists, A good school-house has been recently erected by the Duke of Devonshire. At Netherthorpe, a hamlet of Staveley, is an Endowed Grammar school, founded in 1586. Tansley, 18 miles N. from Derby, in the parish of Crich : population, 593. There are here a church, erected in 1840, a chapel for Wesleyan Methodists, and a National school. There are several cotton-mills and a smallware manufactory. Tickenhall, or Ticknall, 8 miles S. from Derby : population, 1241. The village is a milo and a half long. There are here a church, a very handsome structure, rebuilt in 1842, chapels for Wesleyan Methodists and Baptists, an Endowed school, and au hospital for decayed housekeepers. In the neighbourhood are extensive lime-kilns. Whittington, 26 miles N. by E. from Derby, and 2t miles from the Chesterfield station of the Midland railway: population, 874. In addition to the church, there are chapels belongiug to the Wesleyan and Primitive Methodists. The Grammar school, fonnded in 1674 , has an income from endowment of $63 l$. a year, and is free to 30 poor children. The number of scholars in 1852 was 80 . There are manufactures of stone bottles and earthenware. Whitwoll, 34 miles N.N.W. from Derby : popnlation, 1355. The church, which is spacious, is cruciform, and contains several ancieut mouuments. There is a National school. The village is scattered, and the population chiefly agricultural. At Steelcy Farm, one mile and a half from Whitwell, are the picturesque remains of a Norman church. South Wingfield, 14 miles N. by E. from Derby: population, 1092. Besides the church there is $\AA$ Wesleyan chapel; the parochial charities are of considerable value. A castellated manor-house was erected at Wingfield about the middle of the 15 th ceutury by Ralph Cromwell, secrctary to Henry VI. The ruins are now greatly clilapidated, but are still very beautiful. The inhabitants are chiefly employed in framework knitting. Youlgreave, 21 miles N.N.W. from Dcrby: population of the parish, which is very extensive, 3764. The church, which is partly Norman, contains a curious font. There are two Dissenting meeting-houses. On the Derwent, at Youlgreave, is a large paper-mill. In the parish are mauy autiquities of the Eritish period.

Divisions for Ecclesiastical and Legal Purposes.-Dcrbyshire is in the diocese of Lichfield : it constitutes the archdeaconry of Derby, which is subdivided into 19 rural deaneries. Accordiug to the 'Census of Religious Worship,' taken in 1851 , it appears that there were then in the county 776 places of worship, of which 404 belouged to various bodies of Methodists, 250 to the Established Church, 45 to Independents, 39 to Baptists, and 38 to minor bodies. The total number of sittings provided was 184,093. By the Poor-Law Commissioners the county is divided into nine Unions: Ashbourne, Bakewell, Belper, Chapel-en-le-Frith, Chesterfield, Derby, Glossop, Hayfield, and Shardlow. These Unions include 272 parishes and townships, with au area of 509,220 acres, and a population in 1851 of 259,967 ; but the boundaries of the Unions are not strictly co-extensive with those of the county.

Dcrbyslire is in the midland circuit: the assizes and the quarter sensions are held at Derby, except the Eater sessions, which are held at Chesterfield. Until the year 1569 this county and Nottinghamshire formed but onc shrievalty. Until the reign of Henry III. the assizes for both counties werc held at Nottingham: afterwards, until Derby was made a distinct shrievalty, they were held alternately nt Nottingharn and Derby. County courts are held at Alfreton, Ashbourne, Bakewell, Belper, Chapcl-ew-le.Frith, Chesterfield, Derby, and Wirksworth.
Derbyshire has some peuviar lawn and regulations of very high
antiquity in reference to the working of the lead-mines. The principal part of the county where lead ore is found in any considerable quantity is called the 'King's Field,' and comprehends nearly all the wapentake of Wirksworth and a considerable part of the High Peak hundred. The 'King's Field' has been from time immemorial let on leasc. The lessees have each in his respective district a steward and barmasters. The steward presides as judge in the barmote courts, and, with 24 jurymen, chosen every half-year, determines all disputes which arise respecting the working of the mines. Debts incurred in working the mines are cognisable in these courts. The courts meet twice a year, or oftener if need be. The court for the High Peak district meets at Monyash, that for the wapentake district at the towu of Wirksworth. The office of the barmaster is principally to put miners into the possession of veins that they have discovered, and to collect the proportion of ore to which the lessee of the crown or the lord of the manor has a claim.

There are four members of parliament returned for the county (two for the northern and two for the southern division), and two for the borough of Derby.

History and Antiquities.-Before the Roman conquest Derbyshire appears to have been included in the territory of the Coritani, who, with the Cornabii, occupied the whole of the midland district from the Lincolnshire coast to the upper part of the Severn and the Dee. Upon the conquest of South Britain by the Romans, and its division into proviuces, Derbyshire was iucluded in the province of Flavia Cæsariensis, not (as Pilkington, and after him, Messrs. Lysons state) of Britannia Prima.
The barren moors of this county abound in masses of gritstone; and single stones of vast size appear above the surface: many tors (as Mock Bcggar Hall, on Stanton moor, between Winster and Bakewell, Robin Hood's Mark, ou Ashover common, \&c.) and rocking stones have been found, and many rock basius; but all these, to which it was once common to ascribe a druidical origin, seem referrible, like the grauite tors of Cornwall and Devonshire, rather to natural causes. There are however many circles of stones, some upright stones, and tumuli or barrows of earth and stones (called in Derbyshire 'lows'), and some rude military works which are unquestionably memorials of the early inhabitants. The most remarkable of these monuments is the stone circle of Arbelow, or Albor-low, 5 or 6 miles north-west of the town of Winster. An elliptical area of 52 yards by 46 (having the greater diameter in a direction north and south), is inclosed by a ditch 6 yards broad, and an outer bank formed of the soil throwu out from the ditch, 5 yards high on the inside. About 30 rough unhewn stones about 6 to 8 feet long by 3 feet broad, and one foot thick, lie irregularly round the inclosure, having their smaller ends pointing towards the centre : there is reason to think these once stood obliquely on one end. About 14 smaller stones are intermingled with these in an irregular manner, and there are two stones lying near the centre, one of which is larger thau any other within the area. Near this circle are some tumuli, one of which is of large size. Numerous tumuli occur on Stanton Moor, north of Winster, where are also many rocking stones, locally called roo-tors, and some upright stones. The tumuli and other primeval antiquities of this county are fully described in Bateman's 'Vestiges of the Antiquities of Derbyshire.'

The ancient British road, the Rykneld-street, and the Roman road, which usually coincided with it, cross this county in its whole exteut from south-west to north-east, from the borders of Staffordshire to those of Yorkshire. Chesterfield has been supposed to be a Romau station, the Lutudarum of Ravennas; aud the firgt part of the uame of the town (Chester, which with its kindred forms cester and caster usually indicates the site of a Roman station), and the discovery of Roman coins there, give probability to the supposition. A second Roman road has been traced from Brough iu Hope Dale to Buxton, both of which are supposed to have been lioman statious. At Brough three sides of the station, which was au oblong 310 feet by 270 feet, are still perfect; and the foundations of a temple aud another large building, with other antiquities, have beeu discovered. At Buxtou several Roman baths have been discovered, and three of their roads meet here. Another Roman road, locally designated Long-lane, runs through the county from the river Dove near Bocester, which from its name was probably a station, to Derventio, and appears to have continued in the same line thence into Nottinghamshire. There aro somo traces of other roads.

Derventio, now Little Chester, appears to have bcen the most considerable Roman station in the county. Melandra Castle station is on a moderate elevation at the meeting of two mountain streams: it is nearly square, 366 feet by 336 feet; the ramparts and part of the ditch still remain, and the gates and the site of the Prætorium may be discovered : there are the foundations of many buildings on the side sloping to the water. It has been conjectured that there were Roman stations at several other places in the county.

Of Roman antiquities the most remarkable are an altar proserved at Haddon Hall, a silver plate found in Risley Park, and the pigs of lead found near Matlock. In the Saxon division of Eugland, Derbyshire was comprehended in the kingdom of Mercia; and Repaudun, or Repton, on tho south bank of the Trent, was one of tho royal residences. Derbyshiro was overrun by the Daues iu their great invasion of England iu the time of Ethelred I. and Alfred. At the

Norman conquest considerable grants of innt within the county were tunde to llenry do Ferrers, whose son liobert was the first Earl Ferrern. Auother llobert, son of the first liarl Ferrera, was croated Farl of Derby in 118s. William Pereril, n natural son of the Conqueror, received mlso comaiderable grante. He built the castle of the Peak, and he or his son is mupposed to have built the original Bolsover Castle. [Botsorrs.] The Peak Castle is uow an 'ill-shapen ruin, situated on the rerge of tbe rocky precipice that forms the roof of the Peak cavern at Castleton. In the civil war in the time of John, William earl Ferrers, who had obtained a new grant of the enrldon of Derby, and who was one of the king's party, took the castles of the Feak aud Bolsover. In the roigu of IIenry III. tbe Earl of Ferrers and Derby was one of the most active of the insurgent barons; but laving been worsted and takeu prisoner by Henry, the king's nephew, at the bettle of Chesterficld, be was deprival of tho earldom of Derby, with the rast poseseslons attached to it. These were afterwarls given to Edmund, earl of Lancaster, son of Henry III., nnd thus eventually formed part of the domaiun of the duchy of Lancaster. No public events of interest are connected with Deriyshire uutil after the Reformation. The enrldom of Derby wes conferred by Henry VIT. upou his supporter, Lord Stanles, iu whose family it has crer since contiuned.

Derbyshire contains rarious relics of the middle agos-baronial, ecclesiastical, nnd monastic. Besides the Peak Caxtlo tbere are some remains of Codnor Castle, nenr Heanor, the ancient residence of the Gregs of Codnor; these remains are partly converted iuto n farmhouse. Haddon Hall, the seat of the Duke of Rutland, is on the left bank of the WJe, below Bakewell Hardwick Hall is a curious apecimen of the strlo of domestic architecture in Elizabeth's reign, and has remained umaltered since the time of its erection; it is betwecu Chesterfield and Mansficld, and belongs to the Duke of Devonshire. Some of the furniture is perhaps older than tho house iteelf, and was removed from the old hall, now in ruins, near tho present inansion. Hardwick coutains mome embroidery doue by Mary gueen of Scots, who was imprisoned here and at Chatsworth and South Wingfield for some time. South Wingfield manor-house was built in the reign of Henry VI, and ruiued in the civil wars of Charles I.: the remains present some beautiful features.

Tbe churches of Derbyshire contain some very ancient portions. Repton cburch has under the cbancel a very curious Auglo-Saxon crjpt, which tbere is reeson to suppose was a part of the conventual chnrch deatrosed here by the Danes in 874 . The rest of the church is of a later period; the architecture is varied, partly Norman, partly early Engliah, and partly decorated English; tho tower and spire, which are very lofty and of fine outline, are in the perpendicular Englinh style. Melbourne chureh, ncar the border of Leicestershire, is a fine exmmple of early Norman architecture, and is nearly iu its origionl state. It has boen conjectured, bnt without sufficieut reason, to be as ancient as the 7 th century. Brassington and Streetly churcbes also contain some interesting features of early Norman date. The desecrated chapel at Strectly is n Norman edifice, perfect, with the exception of the windows, which have been enlarged, and the roof : the ornamente are elaborate and well executed. The remaius of early pointed nrehitecture in Derbyshire are few, and by no means remarkable; the boet aro porhaps All Saints church at Derby, and tho parinh churches of Asmbourse, Basewell, Chesterfield, nud Dronfield.

Of the monastic entablishments of Derbyahire there are very fow remains. Some remains of Repton priory may be seen iu the school nt Repton and in the master's house. After the old Saxon priory was dentroyed by the Danes, a monstery of Black (or Augustiniau) Canons wan founded bere by Maud, widow of Rinnnlph, sccond earl of Chester. There are at Yeaveloy, 4 miles south of Ablibournc, sonie ruins of a chapel, formerly a preceptory of the order of St. Johu of Jerusalem. Of Dale A bbey, 01 miles east from Derby, founded iu 1204, for Premonatratemsian Canons, there only remaina the arch of tho enst window of the church. Beauchiof Abbey, Norton, near Sleffield, is juet within the boundary of Derbywhire: it was founded in 1183 for Prenonmentemainn or White Camons. The ouly part of the abley uow remaining in the west end of tho conventunl charch, which is used as the chapel of the extra-parochinl distriet of Beauclief. The architeoture in phain, but the nitantion amidest wools and hills is delightful.

The principal lintorical eveuts connected with Derbyshire siuco the 1 leformation occurred during the civil war of Charles I. The connty at firt declarel for the king, who after notting ap his standarl at Nottinglum marcbed to Derby; but it was soon brougbt over to the side of the l'arlinment by the sotivity nand infuence of Sir Jolm Gell, who marching frow Hull into Derlyshire (October 1642) with a regiment of foot, coaxisting of only 140 men , rained 200 men at Chenterfield, and proceeding to Derby garrieoned that town. Soukl Winghold mantor-house wen also garrisoned for the Parliameut. In 1643 Sir John took Bolnover Cnatle, which the Fiarl of Nowenstlo had fortified for the king; and his brother, Colonel Gell, Look Sutton Houne, near Clesterfield, which hai besn also garrisoned for the king by Loort Doincourh The Farl of Nowenatle for the klug took South WIngfeld manor-honse; and the Rogatista pronnecel thenmelves of the northern parts of the county. Iu the summer of I644 Sir John Gell took South Wliggteld manor-house, aud defented the forces sent to reliove
it; nad Gencral Crawforl, nnother parlinmentary comsnander, took Bolsover Castlo and SLaveley llouse

Derbshite is both an agricultural and manufacturing county, but its popuitatlon lans for some time been more decidedly manufacturing aud minlng than agricultural. Iu 1851 the county had ten sarlogs bauks, at Alfroton, Ashbourne, Lakewell, Delper, Chapelen-lo-Frith, Chesterteld, Derby, Eickingtou, Glossop, and Wirksworth. The amount owing to dopositors on the 20th of November 1851 wus 419,"52f. 13x-5d.

DEllLHAM, LEAST, Norfolk, a market-toma in the parish of Enst Dercham and hundrel of Mitford, is situated in $52^{\circ} 40^{\circ} \mathrm{N}$. lath, $0^{\circ} 56$ lis. long., distant 16 miles W.N.W. from Norwich, 100 milea from London by raad, and 125 miles by the Eiastern Conntion and East Anglian railways, via Lesnn. Tho population of the town in 1851 was $88 \%$. The living, a vicarage with the curacy of 1100 and a sinceure rectory annexed, is in the archdeaconry of Norfolk and diocese of Niorwich.
The Lown of Dercham is pleasautly situated, nod has a clean and neat appearance. The strects are wide, lighted witb gas, nud paved with pebbles. The parinh church is a spacious cruciform buildiug of ancieut datc, nud has a nave with side aisles, transepte, and a choir, with a tower rising from the intersection of the nave and transepta, The font in the church is rich and handsome; it was placed here in the 15 th ceutury. A monument to the poet Cowper, wbo is buried here, is in the north transept. Tbo ludcpeadents, Baptists, and Weslogan and Primitive Methodists havo places of worsbip. Thers are National and British schools and a mechanics institution. Numerous gardens and orchards are in the vicinity of the town. Agricultural machines are manufactured at East Derebam. There are malt-houses and breweries, The market is held on Friday for cattle, provisions, and grain. There are two yearly fairs, in July and September. l'etty sessions aro hold fortnightly.
(Blomefield, Norfolk; General History of Norfolk:)
DERG, LOUGH. [Donggal].
DERIRY, with Raphoe, a bishop's see in the archdiocese of Armagh, in Ireland. The diocese of Derry and Raphoo embrnces the greater part of the conuties of Londonderry, Donegal, and Tyrone, and a small portion of Antrim. It coutains 62 benefices in Derry and 35 in laphoe. The income of the united dioceses is 80001 , a year. The chapter of the diocese of Derry cousists of a dean, archdencon, aud three prebendaries; that of 1 aphoo of a dean, archdeacon, aud four prebendaries.
Derry siguifics 'a place of ouks' In Pagan times the emluence on which the city and cathedral uow stand was known ns Derry-Calgaich, or the Oak Grove of Calgaich. Towards the end of tbe Oth ceutury Columba came hither from Ionn and founded a chureh. From this period down to the plantation of Ulster it was ealled from him DerryColnumbill, nnd was famous for its abbey and religious foundations. Iu 1118, when the council of liath-breasil was held, tbis district seems to hare been included in the ancient diocese of Ardstraw or Rathlury. The see of Derry was established iu 1158, wheu Flahertach O'Brolcbain, the then nbbot of the monastery, was raised to tho diguity of bishop. This see remaiued anreformed, together with those of Raphoc and Clogher, down to the tine of the plantation of Ulster. The first Protestant bishop was Gicorge Mlowtgomery, nomsinated to the succession in 1603. There is a very full account of the history and antiquities of this sse in the first part of a 'Mcmoir of the Ordnanco Survey of Irelaud,' 4to., 1837. [Londowderry.]
DERWENT. [DERBYMHRE.]
DERTENT-WATELR. [Cumberland.]
DESAGUADERO. [BOLVLA.]
DESENZANO. [Brescla]
DESMOND. [KERMY.]
DESSAU, the capital of the duchy of Anhalt-Dessau, in Germany, is situated on tho left bsuk of the Mulde, about two aniles from its juuction with the Elbc, in $51^{\circ} 48^{\prime} \mathrm{N}$. lat., $12^{\circ} 18^{\prime} \mathrm{E}$. loug., at a distanco of 80 miles by railway S.W. from Berlin, $5 \pm$ miles N. frouu Leipzig by railroad through Hallo and Cöthen, and has about 12,000 luhabitunts, of whom some 800 are Jews. The towu is noout balf a lengue in circuisfercuee ; three sides of it are incloned by a wall, and the fourth, towards the east, is bounded by the Mulde, which is cromed by a handsome brilge. Dessan has sir gates, and la clivided into the Altstadt, Neustalt, and the Saud, and threo suburbs: it contalns sovon pablie squares, and thirty stroets, which upon the whole are well and rogularly built. Tho Caralicr-atreet would be an ornament to any capital, nud somo of tho publio buildings are handsome The ducal palaco, whlch is a noble odificc, coutaius a picture-gallery nud collectious of art; the chapel contains a chefd ccuvro of Lucas Cranach, the Last Supper, in which he has iutroduced portraits of Luther, Melancthon, and others. Amoug the other buildings may be meutioned the town hnill; four churehcs, two of which belong to the lieformed Lathoraus, one to the Lutherans, and one to the lloman Catholics ; one ayuagogue, two liospitals, a poorbouse, orphan asylum, infirmary, na clegnut theatre with concertroom atlached, aud the riding-chool. The public cemetery in laid out with grent taste, and embellished with mo olegant ontrance iu the Roman style. Dessau is well supplied with schools of public instruction. Amoug them are the Franz school for the education of

Jews ; the gymnasium consisting of au elementary, a commercial, and a classical school; the seminary for scbool-masters; and the school of industry for the spinning of flax and cotton. The manufactures are unimportant; they consist principally of woollen cloth, stockings, hats, tobacco, spirits, and beer : the retail trade is almost exclusively in the hands of the Jews. The town however carries on a considerable trade in corn. In the environs are the ducal villas of Louisium and Georginm, the gardens about which are much admired, as are also tbe gardens of Wörlitz, about six miles from the town. The Drehberg, which is the burying-place of the dukes of Anhalt-Dessau, is planted with shrubs, and surmounted by a building with a lantern and cupola. On the Stieglitzberg near the Elbe, is a inonument to the Duke of Dessau, who fell at the battle of Torgau.
DETMOLD. [LIPPE]
DETROIT, the principal city and port of Michigan, United States of North America, stands on the right bank of the Detroit River, or Strait, which connects lakes St. Clair and Erie, in $42^{\circ} 19^{\prime}$ N. lat., $83^{\circ}$ W. long., 526 miles N.W. from Washington. The population in 1810 was 770 , in 1820 it was 1442 , in 1840 it was 9192 , in 1850 it had increased to 21,019 .

The city occupies a convenient site, rising from the river, along which it extends for a mile and a half with a depth of nearly a mile. The streets are laid out upon a somewbat elaborate plan, that of a rectangle for 1200 fect from the river, while fartber back it forms a triangle. Eight principal streets, each 200 feet wide, diverge from a spacious open area called the Grand Circus, and divide tbe back part of the city into triangular portions; the secondary streets are 120 feet, the others 60 feet wide, and tbey usually intersect at right angles. The private houses are mostly of wood; the public buildings, many of which line a main avenue which runs parallel with the river, are generally substantial edifices of brick or stone. Of these the chief are the United States land-office, the old state-house, the state buildings, law courts, and penitentiary, county and city courts and markets, the IRoman Catholic cathedral, dc. Detroit contains four Roman Catholic, two Episcopalian, threo Methodist, two Presbyterian, and two Baptist churches, and a Congregational, a German Lutheran, and a sailora' church ; a branch of the State university, several public and primary schools, a Protestant and a Roman Catholic orphan asylum, and numerous other religious and benevolent institutions; a museum, and historical, medical, and literary institutes; and supports thirteen newspapers, tbree of which are published daily. Several of the churches aro large and handsome bunildings. The city is well supplied with water, but badly drained and paved; there are several public squares and open spaccs; the most noted is known as the Campus Martius,

Detroit is a rapidly iucreasing place, being admirably situated for the purposes of commerce and nianufactures. Tbe river is above half a mile wide opposite the city, and has a depth varying from 12 to 48 fect; the harbour is sccure and accessible at all seasons. Steamers ply regularly every day from all parts, and the inland traffic is greatly facilitated by the Michigan Central, and Detroit and Pontiac railways. Most of the agricultural products of Michigan are shipped from Detroit. Tbe coast trade is very considerable, and an extensive trade botl legal and contraband is carried on with Canada. The shipping bclonging to Detroit amounts to about 25,000 tons, a large proportion being propelled by steam. Ship-building is an important branch of the industry of the place. In the town are five large steam saw mills, which aro said to cut $9,000,000$ feet of lumber and $4,000,000$ laths annually. T'bere are besides several foundries, steamengine and boiler-factories, iron-works, brass-works, pail-factories, sash-works, stean flour-mills, tanneries, breweries, potteries, \&c. There is also a large wholesale trade for the supply of the interior of the state. The town contains four banks, with a capital (Dec. 31, 1851) of 761,223 dollars, and a circulation of 607,588 dollars.

Detroit was founded by some French from Canada in 1683. It was taken by the English in 1759. After the declaration of Americau independence, Detroit was twice taken by English troopss. It has been once entirely destroyed, and several times severely injured by fire. In 1802 it was incorporated, but the act of incorporation was repenled in 1810. Its present charter of incorporation as a city was granted in 1815 ; since which dato its population has multiplied more than twenty-fold. Until 1847 Detroit was the capital of Michigan, but in that year the scat of government was removed to Lansing; Detroit however is by far tbo largest and most important place in the state.
(Colton, Statistical Gazetteer of the United States, 1853; Haskell and Smith, \&c.)

DEULE [NORD.]
DEUXPONTS (Germ. Zweibrucken), formerly a duchy but now a bailiwick in the south-western part of the Bavarian Palatinate, is bounded S. by France, and W. by the Prussian Rbein-Provinz. It bas an area of about 1181 square miles, and a population of about 150,000 . The general character of the country is nountainous, with many gentle eminences, whoso declivities and lowest parts are rich in woods, corn-fields, pantures, and vincyards. The principal river is tbe Blies, into which flow the Erlbach, Hormbacb, Schwolb, and other small streams. Deuxponts produces rye, barley, oats, and other grain; rapesced, flax, and hemp are cnltivated in large quantities. Much
attention is paid to the rearing of horses and cattle, and to the breeding of sheop. There is abundance of wood. The minerals are iron, copper, and freestone. There are few manufactures. The ducby formerly belonged to the crown of Sweden; but came by inheritance to the kings of Bavaria.

DEUXPONTS, a town in the Bavarian Palatinate, capital of the former duchy of Deuxponts, situated in $49^{\circ} 16^{\prime} \mathrm{N}$. lati, $7^{\circ} 20^{\prime} \mathrm{E}$. long., is a pretty town on tbe Erlbach, 50 miles W. from Spires, 5 miles S. from the Homburg station on the railway from Speyer to Paris through Saarbruck aud Metz : population, 7300 . It is very prettily situated amoug gardeus aud luxuriant meadows, encircled by eminences and woods. The town, which consists of the Old and New Towns, is surrounded by a wall, has a pleasant suburb, and is regularly built. The dukes of Zweibruicken resided in the old palace, wbich was partially destroyed by tbe French ; part of the remains have been converted iuto a Catholic churcb. There are two Protestant churches, a gymnasium and lyceum, an orphan asylum, an hospital, and a school of industry. Tbe inhabitants are engaged in agriculture, sheep-farming, and in the manufacture of woollen cloth, linen, cotton, leather, oil, tobacco, and steel-ware. The Bipont edition of the Greek and Latin classics was printed here from 1779. Deuxponts is the seat of tbe judicial tribunals for the bailiwick as well as of its local government. Close to tbe town is Schifflick, a country-seat built by Stanislaus Lesczinski, king of Poland, which has beeu converted into an establishment for breeding horses.

Deuxponts, Zweibricken, or in its Latinised form, Bipontium, derives its name from the site of its old castle between two bridges. Its origin is unknown, nor is it mentioned in history until the year 1197, when it was the property of the counts bearing its name. On the extinction of the direct line, in 1394, the earldom fell into the possession of Ruprecht, the elector-palatine, who divided it among his three sons in 1410, all of whom being dukes, the country itself was thenceforward denominated a duchy. During the Thirty Years' War.it was besieged by the Imperialists. Deuxpouts suffered also severely during the campaigns of Louis XIV., and the Frencb held it until 1697. As the duke in the meantime had died childless, it fell to tbe next heir, Charles XII. of Sweden, and, upou his decease, to tbe count-palatine; this prince also dying without children in 1723 , the duchy reverted to the house of Birkenfeld, the aucestors of tbe family who now occupy tho throne of Bavaria. Iu 1793 Deuxponts was taken possession of by the French, but it was restored to Bavaria in 1816, when other adjecent territories were added to it, and tbe whole was annexed to its dominion by the name of the Palatinate or the Province of tbe Rhine.

DEVENTER, a fortified town in the province of Overyssel, in Hollaud, is situated on the rigbt bank of the Yssel, at the poiut where that river is joined by tbe Schipbeek, 9 miles S. from Zwoll, 50 miles E. by S. from Amsterdam, and has about 15,000inhabitants, including the garrison. Deventer was formerly a free imperial city, and a member of the Hanseatic league. The town is surrounded by a wall flanked with numerous towers, and defended by a broad deep ditch. The cathedral is a fine gothic building, with an excellent set of bolls. There are six other cburches in the town, which has also a handsome town-hall. The athenæum or college contains a well-chosen and cxtensive library. An observatory was founded here in 1839. The industrial products of Deventer are iron-ware, hosiery, carpets, aud linen. It is famous for its gingerbread called Deventer Koek, many thousands of pounds of whicb are exported. The town trades laigely in cattle, corn, butter, cheese, beer, wool, aud turf. The environs are fertile and well cultivated; the banks of tbe Yssel are dotted with pretty country-houses. Assize courts are held in the town.

DEVIZES, Wiltshire, a borough and market-town, having separate jurisdiction, and the scat of a Yoor-Law Union, in the hundred of Potterne and Cannings, in $51^{\circ} 20^{\prime} \mathrm{N}$. lat., $1^{\circ} 58^{\prime} \mathrm{W}$. long., 22 miles N.W by N. from Salisbury, and 89 miles W. by S. from Loudon. The borough is governed by 6 aldermen and 18 councillors, and returns two members to the Imperial Parliament. Tbe population of the borough in 1851 was 6554. The living of St. John, a rectory with the vicarage of St. Mary attached, is iu the archdeacoury of Wilts and diocese of Salisbury. Devizes Poor-Law Union contains 28 parishes and townships, with an area of 59,396 acres, and a population in 1851 of 22,236 .

In ancient rscords this place is called Devisw, De Vies, Divisis, dc. In the reign of Henry I. a strong fortress was erected here by Roger, bishop of Salisbury, which his nephew Nigel, bishop of Ely, garrisoned with troops, but he was obliged to surrender tbe fortress to Stephen, together with 40,000 marks, tbe bishop's treasuro. The castle was afterwards seized by Robert Fitz-Herbert for Matilda, but on her arrival he refused to dehiver it up, and was subsequently hanged as a traitor to both parties. About the end of the reign of Edward III. the castlo was dismantled.

Devizes was besieged by Sir Wilham Waller in the Parliamentary War, but just as tha Royalists were preparing to capitulate, Lord Wilmot, who had been dispatcbed by the kiug from Oxford, appeared on Ronndaway $H$ ill with 1500 horse and two pieces of artillery. Sir William withdrew his forces from the town, and attacked Lord Wilmot, but was totally discomfited.

Tbo first charter of incorporation was by the Empress Matilda,
granting to her burgesses 'Do Divisin' frcedom of toll throughout nll England and the ports of the sen. Devizen returned members to tho partiamente of Fedward I., to two of Edward II., and conatantly since the th of Edwand III. The summer asaizes for the county fre held at Devizes. The quarter sessions of tho county are held here in rotation wirh Salisbury, Warminster, and Marlborough. A couty court is held in the town.

Devizee is situatod nearly in the centre of the county, on the Kennct Canal: it consints of several strects well paved, and lighted with gas, and contains many good houses. Being built on an elevated site, the town is well drained. The town-hall is a handsone motern building, in the basement of which a checso-market is held.

St. John's church is built partly in the Normsn and partly in the perpendicular style of arehitecture, with a aquare embattled tower, and consists of a nave, transept, chancel, and two chantry chapels. Of St. Mary's church the chancel is supposed to havo been built soon after the Conquest, but nearly all the rest of the structure was rebuilt by William Smyth, who died in 1436. There are chapels for Wesleyan Methodists, Baptists, Independents, Presbyterians, and Quakers, There are a chureh charity school, a British school, a literary institution, a savings bank, and a dispensary.

The woollen manufacture, onee of considerablo importance, is now extinct. The silk manufacture, malting, and the manufacturo of snuff, affurd employmeut The market is on Thursday, and is the largest in the west of lingland for corn. A large cross, erected in 1815 by Lord Sidmouth, is in the market-place. Fairs are held on the th of February for horses; Holy Thureday and April 20th, for cattle; and June 13 th, July 5 tb, and October 2nd and 20th, for cattle, bops, eloth, \&c. Richard of Devizes, a Benedictine monk of the 12 th century, who wrote a chronicle of English history, was a native of this place.

## (Hoare, Wiltshire; Communication from Derizes.)

DEVONPORT. [PLYmotra.]
DFVONSHIRE, a maritimo county in the south-west part of England. Its form approximates to that of an irregular quadrangle, having for its angles-on the west Hartland Point on the Bristal Channel; on the north the boundary of Deronshire and Somersetshire, near Oare, on the coast of the same channel; on the east the boundary of Deroushire and Dorsetshire, on the const of the English Channel, near Lyme Regis; and on the south Prawle Point, near the Start Point, on the coast of the English Chaunel. Devonshire lies between $50^{\circ} 12^{\prime}$ and $51^{\circ} 15^{\prime} \mathrm{N}$. lat., $2^{\circ} 54^{\prime}$ and $4^{\circ} 33^{\prime} \mathrm{W}$. long. The county is bounded N. and N.W. by the Briatol Channel ; N.E. by Somersetshire; E. by Dorsotshire; S.F. and S. by the English Channel; and W. by Cornwall, from which it is separated along part of the boundary-line by the river Tamer. Au insulated portion of the connty is inclosed between Dorsetshire and Souersetshire, and the boundaries as given above include an insulated portion of Dorsetshire which is entirely surrounded by Devonshire. The length of this county from north to south is about 71 miles ; the breadth from eant to west in about 68 miles. The area of the county is about 2590 equare miles. The population in 1841 was 532,959 ; in 1851 it was 5 e7.098, being an increase of 6.4 per cent.

Coastline, Jslands. - The coast of the Bristol Channel which bounds Devonshire to the north and north-west is for the most part ateep and rocky. On the side towarda Somersetshire the coast-line runs nearly east and west for about twenty-two miles, measured in a straight line from the border of Somersetshire to Bull Poiut, west of lifracombe: along one part of this line there are cliffs, in tho other parta the const though steep is not broken or precipitous: there aro no marked headlands. From Bull Poiut to Morte Point the coast forms $n$ small bay bounded by eliffs; from Mlorto Point to Baggy Point it form a larger and deeper bay, with cliffe at each extremity and a low whelving beach in the middle. From Baggy Point to Hartland Point the coast forms the deep bay, Barnstaple or Bideforl Bay, into which the united stream of the Torridge aud the Taw empties Ftwelf. From Ilaggy Polnt to the seatuary of the Taw and Torridge the cont in shelving and sandy, with a multitude of sand-hills, called liraunton Barrown ; from the astuary of the rivers to Ilarthnd Poiut tho cont in lined with ateep eliffs and rocks. From llartland Poiut the coant, atill lined with cliffs, runs south or south by west to tho bordor of Cornwall. This const prosenta in sovoral places very picturemuo vlewn, enpecially about Lynmouth (the mouth of the river I.ymi), on the border toward Somersetahire, and at Clovelly in Hivleford Ikay.
The conat of the Finglish Charnel, which bounds the county on the mouth, run went-nouth-weat from the neighbourhood of Lyme Regis (in Domethire), 22 miles measured In a direct line, to tho mouth of the river Fix. Thls conast ls lined with eliffs throughout its whole cxtent, and is marked by ono hemlland, Beer llead, at the western exiremity of Senton Ifay. The rivern Axe and Otter enter the eca in the courne of thin line. From the mouth of the Fix the connt, lined with cliffi, runs south -outh-west 6 miles to tho mouth of the T'eign, and thence $\delta$ miles south or south by east to the headland enjled IIope's Nowe, at the northern extremity of Tor Pay. Tor Bay is a deep bay bounded on the month by Berry Ifoad, haring a shelving beach at the battom of tho bay, interrupted hy a bhiff hondind called Houndlom Ilead, and an abrupt coant towards encli extremity. Herry

Ilcad mppenre to have been tho Promontorium Ilollenis of tho ancients (Itichard of Cirencenter.) Firom Berry Ilcad to Ilymouth Sound the gencral character of the coant is rucky. In this part of the const-line there are several bays. About two or three milen of coast on the west ide of I'lymonth Sound beloug to Ievoushire. Ilymouth Sound is three milos wido and extends many miles iulaud. It ruceives from the north-weat tho Tamer (united with the Lynlier or St. German's River), upon the zatuary, of which, called Hamoaze, is the towu of Devonport, formerly 'Dock', the royal dockyned of which rauks next in importanco to that of Portamouth; and from the north-east the Plym, the matuary of wbich is called Catwater. Nill Bay and Sutton Pool are amall inlets at the bottom of [lymouth Sound; the latter is almost encireled by the town of llymouth. [1'Lymoutu.] The Devonshire const may be estimated at from 155 to 160 wilem; 55 to 60 miles ou tho Bristol Chnunel, and about 100 miles ou the linglisha Channel.

Luady Island, in the Bristol Channel, 10 to 11 miles N.N.W. from Hartland Point, is a mass of grauite, cxcept the oxtreme southeru end, which in grauwacke, $2 \frac{1}{4}$ miles loug from uorth to south, and about I mile from east to west, Its area is about 1000 acres, It is surrounded on every side with rocks; the landing-place, up which two men onu scarcely walk abreast, is on the eastern side. The southem point is occupied by a lighthouse. The northern purt of Lundy Island rises considerably aboro the level of the sea, the highest part boing 200 feet bigh. There is an abundance of puffins and rabbits, and the island is quuch infested with rats. The number of iuhabitauts in 1851 was 34. Their principal business is sbootiug rabbits for their skins, and puffius for their feathers. The island was sold in 1840 for about 98701. St. Nicholas Island, which is fortifed, is in Plywouth Sound.

Surface, Mydrography.-Deronshiro is moro uniformly hilly than any other of the large counties of kugland. The principal ranges of hills may be considered as offsets from tho clevated distriets of Durtmoor, Exmoor, and Blackdown. Dartmoor is a granitic table-land of irregular elevation, baving its greatest elevation towards the north, and coutaining the highest ground in Dovonshire. The highest part of Dartmoor is Yeo Tor, which attains a height of 2050 feet above the sen Other hills in different parts of Dartmoor vary in height from 2000 feet down to 653 feet.

Dartinoor exteuds nearly 22 miles from north to south (from Belstou, near Okehampton, to tho Myinouth road between the rivers Erme and Avon or Aume); and 14 miles from east to west, from the neighbourhood of Moreton Hampstead to that of Tavistock. This immense waste is thus described by Dr. Berger ('Geol. Trans,' vol. i. p. 119) : -"From Harford chureb (near the southern limit of Dartmoor) the country assumes quite a bare and alpine appearancc, presenting a rast plain, cxtending beyond the visible horizon. The face of the country is formed by swellings and undulations gradually overtopping aach other, without ever forming distinct mountains. Thero is neither vegetatiou uor any buman dwelling; we tread upon a boggy soil of very little depth, and scarcely affording sufficient food to support some dwarf colts as wild as the country they iuhabit." The area of Dartmoor Forest has been estimated at from 80,000 to 100,000 aeres. Part of the waste is appropriated by the surrounding parishes, the frecholders of which possess the right of commou, or as it is termed the right of venville, on these mppropriated parts. The rest of Dartmoor, to which the uame of Dartmoor Forest (frequeutly given to the whole waste) strictly applies, mud which belongs to tho duchy of Cornwall, has been found by survey to contain 53,644 acres it was on this part that the prison was built during the last war for the prisoners of war. The highcst part of Dartmoor Forest, in which some of the most important rivers of the couty (the Taw, the Dart, the Teign, \&c.) lave their rise, consists of a succession of momsses formed by the decay of the successire crops of aquatio plants with which this part teems : these inorasses are iu some parts 40 to 50 feet deep, in others not mono than 5 feet. In several places there haro been Jand-slips, owing to the over-accumulation of marahy soil: these slips would be moro frequeut but for the granite rocks or 'tors" which coutinanlly rise to the surface. Peat is dug in this forest; and many slicep are pastured there in summer, aud some all the year rouud. The elevation of Dartmoor Forcst causes it to have a much lower average temperature than other parts of the county. The average difference of tho temperature at llfrucombe, on the north coast of the county, and Okeliampiton, just on the northern borler of Dartmoor, is $10^{\circ} 5^{\prime}$ of Fahrenheit: in summer tho difference is small, but iu wiuter it rises to $16^{\circ}$ or $18^{\circ}$. Numerous stone circles, cairns, maenhirs or rudo upright stones, cromleches, stove circular huts, and other autiquities of the earliest period abound in various parts of the forest, and the whole district is full of interest. Dartmoor has beeu excellently deacribed and its natural history nad antiquitien illustrated by tho Rev. Samuel IRowe, iu his 'Perambulation of the Ancient Forest of Dartmoor, Amicombe Hill, Okemeut Hill, aud others, are clovated pats of Dartmoor. Ihent Tor ( 802 feet, according to Dr. Berger) and Blackdown, both near Tavistock, border upou Dartmoor, but ure not composed of granite.

Dartmoor has been deucribed as an elcrated plain : the deseent to the lower coultry all round is rapid. From Dartmoor several runges of hills, composed chiefly of rocks of the transition series binnels off
one from the north-west part of it, near Okehampton, runs in the direction of Hartland Point, dividing the basin of the Tamer from that of the Torridge, and sending out branches which separate the valleys of the various feeders of the Tamer. Another hranch running northward separates the valley of the Okement and afterwards of the Torridge from that of the Taw, and terminates near the junction of these last two rivers. Another hranch runs eastward towards Exeter, turns to the south-south-east near that city, and separates the valleys of the Ex and the Teign. A hranch which this range sends off soon after leaving Dartmoor runs north-eastward, separates the hasin of the Ex from that of the Taw, and connects the heights of Dartmoor with thoso of Exmoor. Another range running south-east from Dartmoor separates the valleys of the Teign and the Dart.

Exmoor is a tract of high land, having its greatest elevation towards the north. It is composed of rocks of the transition class, and is chiefly included in Somersetshire, but extends into the north and nortl-east parts of Devon. Its highest point, Dunkerry Beacon, Somersetshire, attains to the beight of 1668 feet, according to the Ordnance Survey; on the west Chapman Barrows attains a height of 1540 feet. A range of hills extends from Exmoor along the north coast of Devonshire to Morte Bay; some of the summits are prohahly 1000 feet high. The ridges of Exmoor Forest and the hranches which it sends off towards the south separate the valleys of the npper waters of the Ex.

A third system of hills consists of Blackdown, in the eastern part of the county, on the border of Somersetshire, hetween Taunton and Honitsn; and of the ranges of hills which it sends off, chiefly to the southward, separating the hasin of the Otter from those of the Fix on one side, and the Axe on the other, and dividing from each other the valleys watered hy the several afluents of the Otter and tbe Axe. These hills liave flat tabular summits; their steeper side is toward the west. Tbis line of high lands varies in height from about 600 to 750 feet.

The rivers of Devonshire are numerous, and some of them are important. The Ex rises at Exhead in Exmoor, Somersetshire, and flows south-east to Exton, where it turns to the south, and reaches tho horder of Devonshire about 18 or 19 miles from its source. For about 2 miles it divides Devonshire from Somersetshire, heing joined in this part hy the river Barle, which also rises in Exmoor, and has a south-east course of 22 to 24 miles through Somersetsbire before it falls into the Ex. A little below the junction of the Barle the Ex enters Devonshire, and flows in a southerly direction, but with a very circuitous course, to Tiverton, receiving in its way several feeders, of which tbe chief are the Batham, which flows from the border of Somersetshire past Bampton, and falls into the Ex on its left or eastern bauk; and the Loman which flows from the hills on the Somersetshire horder, near Bampton, and joins the Ex on its left bank at Tiverton. From Tiverton the Ex flows still southward, 13 miles, to the junction of the Culm, receiving hy the way, on its right hank, the Dart from the moors between Tiverton and South Molton; and ahout 2 miles lower down, on its right hank, the Creedy, which passes near Crediton, and is joined hy the Yeo below that town. From the junction of the Creedy the Ex flow southward to Exeter, and then south-east to Topsbam, where it receives the Clist: just ahove Topsham the Ex becomes a tide-river. The tideway of it is about 5 miles long and about a mile wide at high water. A sand-bank, dry at low-water, divides its mouth into two channels. The whole length of tho Ex is 541 miles. A canal, formed in the reign of Henry VIII., runs hy the side of this river between Exeter and Topsham: this canal, which was originally more tban 3 milcs long, has heen lengthened so as to enter tho tidewny lower down. By this canal and the tideway of tbe river vessels ean get up to Exeter.

The Culm, mentioned ahove, rises near Church Stannton, in the Blackdown hills, just within the horder of Somersetshire, and flows wentward to the village of Uffculm; thence south-west to the town of Collumpton, or Cullumpton, and thence south-west into the Ex. The total length of the Culm is about 25 miles.

Tho Torridge rises on tbe borders of Devonshire and Cornwall, at the Ditchen hills ncar Clorelly, and not far from the head of the Tamer [Cornwall], and flows eastward to the neighbourhood of the villages of East and West Putford; it then turns to the south-cast, and runs to Bradford Mill, where it receives the Waldon on its right hank. From Bradford Mill it runs eastward past Sheepwash, or Shipwasb, to tho junction of the stream which passes Hatherleigh; and thence north-east to the junction of the Okement, which is formed of two brooks (East and West Okement) that rise on Dartmoor and unite at Okehampton. From the junction of the Okement the Torridge lias a very sinuous conrse in a north-west dircction, past Torrington to Bideford, where it becomes a tide-river. The tidoway from Bideford to Appledore, where the Torridge and the Taw unite, is 3 miles, tho whole course of the Torridge being 53 milcs. The Torridge is navigahle for vessels up to Bideford, and for boats to Wear Giffard, 4 or 5 miles higher up.
The Taw rises at Taw-IIead, Dartmoor, on the slope of Okement Hill, and has a northward course to hclow tho mill and village of Bruphford: thence it bis a windiug course in a north-north-west direction to the junction of the Little Dart, which rises in tho range of hills connecting Dartmoor with Exmoor, and flows westward past ceoa. DIF. YOL. II.

Chumleigh into the Taw. From the junction of the Little Dart the Taw flows northward to the junction of the Mole, which rises ou North Molton ridge, Exmoor, on the horder of Devonshire and Somersetshire, passes North and South Molton, and after receiving the Bray, which also rises on Exmoor, joins the Taw on its right hank. After the junction of the Mole tho Taw flows north-north-west to Barnstaple, where it hecomes a tide river. The tideway is ahout 5 miles in length from Barnstaple to the junction of the Torridge, and the total length of the Taw is 48 miles. It is navigahle for small vessels up to Barnstaple, and for hoats to New Bridge, 3 or 4 miles higher. The asstuary of the united rivers Taw and Torridge is not two miles long.

The Dart rises at Dart-Head on Dartmoor. The head of the East Dart, which may be considered as the true head, is on the southern slope of Okement Hill, near the springs of the Okement and the Taw. It flows south-east to the junction of the West Dart at Dartmeet Bridge, between Ashhurton and Tavistock. From Dartmeet Bridge the river flows south-east past Buckfastleigh and Totnes, to its outfall just helow Dartmouth. Its whole course is 36 miles. The tide flows up to Totnes 10 or 11 miles from the mouth of the river: ahove this place the river is not navigahle. Tho navigation is chiefly used to convey coal and shelly-sand manure to Totnes and the neighhourhood, and to export the produce of the tin, lead, and copper-mines, worked on the horder of Dartmoor Forest. The entrance to the river forms a good harbour.
The Teign (the North Teign) rises near Sidaaford Tor, Dartmoor, at a little distance from the head of tbe Dart, and after flowing to the north turns eastward and flows to Dunsford, hetween Exeter and Moreton Hampstead. It then runs south to near Chudleigh, receiving hy the way the West Teign or Bovey River from North Bovey to the neighbourhood of Newton Bushel and Newton Ahhot; helow Newton Bushel it has an eastward course (chiefly tideway) into the sea at Teignmouth. Its whole course is 33 miles: it is navigable up to Newton Bushel, 5 miles from the mouth.

The Otter rises on the southern slope of Blackdown, near the village of Otterford, and flows south-south-west past Honiton, Ottery St. Mary, and Otterton, into the sea ahout 5 miles east of the mouth of the Ex. It is not navigahle, and has no trihutary worthy of note. The Axe rises in Dorsetshire, not far from Bcaminster, and has a circuitous course (north-west, west, and south-west) of 16 miles, through Dorsetshire, Somersetshire, and Devonshire to Axminster. Below Axminster it flows 7 or 8 miles south-south-west into the sea at Axmouth, receiving the Yart from the hills adjacent to Blackdown. Its whole length is 26 miles.
The Avon, or Aune, the Erme, and the Yealm rise on the southern side of Dartmoor, and flow southward into the sea hetween Plymouth Sound and Bolt Head. They are respectively 23, $14 \frac{1}{2}$, and 14 miles long. The Aune and the Yealm have each a navigable tideway of 3 miles, the Erme of 2 miles. The Plym rises near the Erme, and flows south-south-west 16 miles into Plymouth Sound at Plymouth. Its tideway, Catwater, is 3 miles long. Tbe Tamer, which divides Cornwall from Devonshire, has heen already descrihed. [Connwall.] Its principal Devonshire feeders are the Deer ( 9 miles long), which flows past Holsworthy; the Carey ( 13 miles long), and the Lyd ( $13 \frac{1}{2}$ miles long), which rises on Dartmoor ; hoth these join the Tamer near Launceston; and the Tavy, or Tay ( 23 milcs long), which rises on Dartmoor, and flows past Tavistock. The Tavy joins the tideway of the Tamer, and has itself a tidcway of more than 3 miles. The Lew Water ( 9 miles long) and the Thistle Brook ( 10 or 11 miles long) are feeders of the Lyd; and the Wallcomb ( 13 miles long) is a feeder of the Tavy. There is a picturesque fall on the Lyd, near Lidford, 4 or 5 miles from its source. The other rivers of the county are too small to require particular notice. It will suffice to mention the Lynn ( 11 miles long) on the north coast, and the Sid ( 6 miles long) on the south coast. Salcombe harhour, hetween Bolt Head and Prawle Point, is the xstuary of several small streams to which the maps do not assign a name. This æstuary is navigahle up to Kingsbridge, 4 miles from the mouth.

Communications.-The Bude and Holsworthy Canal, with which is connected the Bude and Launceston Canal, euters this county from Cornwall, near the head of the Tamer, and proceeds in a very circuitous course of more than $15 \frac{1}{2}$ miles to Thornhury on the river Waldon, where the canal terminates. It has two inclined planes in Devonshire and $t$ wo in Cornwall : part of its course is through a tunnel. A short canal extends from Torringtou aloug tho valley of the Torridge for about 4 miles, and opens into that river at Wear Giffard, hotween Torringtou and Bideford, where the navigation of the river hegius. The Stover, or Teigngrace Canal is connected with the Teign at Newton Bushel, and extends about 4 miles up tho valley of that river towards Bovey Tracey. The Tavistock Canal extonds 4 miles from Tavistock to the tideway of the Tamer; it has a tunnel one mile and a balf long, and a hranch 2 miles long, to Millhill slate-quarries. The Exeter Canal has heen noticed. The Grand Western Canal from Taunton in Somersetshiro extends to Tiverton, and thence to Exeter whero it joins the Exeter Canal.

The Bristol and Exeter railway, a continuation of the Great Western live, eutcrs the county 3 miles west of Wellington, and runs in a southwest direction to Exeter, about 20 miles. A brauch of about 5 miles
runs off from it to Tiverton. The main line in contimed by the South Devon line, which runs along the valley of the lix to its mouth, whonce it ie carried by the const to Tcigumouth, then up the valley of the Teign to Newton Bushel, where a branch 5 miles long ruus off to Tompuny, while the main line proceeds by Totues to l'lymouth: its whole length is 53 miles. A short line mins from Fixeter to Crediton. [CuzDitox.] Thero is a milway from Dartmoor, near the prison, originally built for prisoners of war, to the river l'lyn near Y'lymouth: a branch fron Catlown and Sutton Pool, close to Ilymonth, joins this railway at its termiuation ou the Plym. The length of the railway aud branch togother is abont 251 milca A tran-roed, 8 mile long, formed of granite blocks, extends from the Haytor quarries to the Teigngrace Canal.
There arc four roads between London and Excter, which were prior to the constraction of the railwags traversed by the maile The Devonport, Fixeter, and Rath inail-road enters this county between Wellington and Collumpton, and passes sonth-west through Bradniuch to Exeter, and thence by Chudleigh, Newton, and Totnes to Derouport. The Fixeter mail-roand eutera Devonshire between Chard and Houitou, from which place it runs to Exeter. The Penzance, Falmouth, and Exeter mail-rond enters Devourlino between Bridport and Axminster, and proceeds by Houiton to Exeter, and theuce by Okehampton, skirtiug the north side of Dartmoor, to Poulstou Bridge, where it croses the Tamer iuto Cornwall. The Falmonth, Devonport, and Exeter mail-road enters the county between Ilminster and Houiton and runs to Exeter, and thence by Chudleigh and Ashburton to Ilynouth and Devonport, whence the mail is conveycd across the sestuary of the Tamer into Cornwall. There aro several other roads of inferior importauce.

Geological Seructure.-A few spots occur in the eastern portiou of the county and along the coast betireen Sidmouth and the border of Dorsetshire, which are occupied by outlying portious of the chalk formation. The sections of these portions on the coast jresent the last chalk cliffs toward the west. Iu the cliff eastward of the Axc, the chalk occupies only the upper jortion of the cliff; the ceutral part of the cliff is composed of green-sand aud the lower part of the lins: for the chalk nud greeu-snud in their exteusion westward overlie tho other formations, which elsewhero are found bencath them and rest immediatcly upon the lins. Westward of the Axe, whero the chalk cliffs reappear, the chalk dips rapidly towards the west: a portion of the upper part of the cliff has been detached and has subsided towarl the beach, the shattered mass of clalk exhibiting a varioty of picturesque forms.

The green-sand formation presents ou the confues of Dorsetshiro and Devoushire many ontlying masses forming considerable hills. To this formation belong the flat-topped hills of Blackdown, the rauge connected with them which separates the ralleys of the Otter and the Axe, and the branches of this range which separate the emaller valleys watered by the tributarics of the Axe and by the Sid. A mnge extending west warl from the Blackdown hills, and bounding the vallcy of the Culm on the north, also belongs to the greon-saud formation: and beyond Exeter the range of the Haldon hills, divided ouly by the valley of the Teigu from the granite of Dartmoor, is capped by green-kaul ; thus affording a remarkable instance of the approximation of primitive rocks and those of much later formation. The greeuasad heights in Deronshire are for the most part in the state of unreclaimed heath.

On the eastern side of the Blackdown aud conuected rauges, the green-sand reste upon lins, the lowest of the oolitio series of formatlons. Lias occupies the valley of the Axe above Axminster, aurl tho upper part of the valley of the Yart. On the western and southern wides of Blackdown the green-sand overlies all the oolitic formations, and rests inmedintely npou the red marl, which, with the necompauying sandstone aud conglomerate, coustituting the formation designated the new sed-mandstone, occupies the tract from the Blackdown hills weatward to the valley of the Loman aud the Ex: it constitutes the bed of the Loman, but extends not quite to the bank of the Ex, whleb flows for the most partover a bed of transitiou rocks. Betwcen Silverton and Exeter the red marl is found extendiug westward across the Er and the Crealy, and along the valley of the Yco, nearly to the valley of the Taw. It extends southward from the Blackdown hillsalong the valley of the Otter, and across the country between the Otter and the Exx to the const; crosnea the Ex immedintely below li:xeter, and extends along the conat with some interval to Torbay; it form the valley of the Sid and the Coly, and tho lower part of tho valloye of the Axe and the Yart, and the picturesque cliffo about Ihabseombe liay. The greentand which capes tho Haldon hills reste chiefy on this formation.
The district occnpied by the varioun formations cunmerated above is emall, cremparel with that which consista of the rockn of the transition class. These, the carbonaceous series of De la Peche, the Jevonian syutem of Sedgwick end 3urchinon, oeculy all the conuty northward and weatwarl of the new red sandstone, except tho primitive district of Dartmoor. The wentern aide of Great IIaldou (green sud) rests upon the trausition rockn. Thene trassition rocks consiat of an argillaceous slate, grauwacko, which in the neighlourhood of Dartmoor doee not nitain to an averago olevation of more than 500 feet; except on tho western fauk of the moor, where it
forms a steep culutuce of more that 1100 feet. In the north of Devon it risen connilerably higher, and the heighta of lismour (which aro in sume purts 1800 feet high) consint of it In this part of tho county the rocks which compose the formation differ materially iu their mineralogical claracters: they have for the nost part the structure of randatones, and are essentlally composed of quartz and clay, but in cliferent proportions; qunrtz predomiuntiug in the coarser and clny iu the finer grained rarieties ; these last gradunte iuto a fine slate, the lamine of whichare as thin as paper. The strata of grauwacke near Clovelly incline in every direction, and describe the most enpricions and jicturesque furms. The undulating surface of the coimtry may be partly ascribed to the predominanco of the argillaceous slate, which is, of all the rocks of earlier fomuation, the most subject to decomposition. These slato rocks are quarried for roofiug-slates ; they are metalliferous, affording lronstone and roins of tin, copper, aud lead; the velins or lodes which yield tin or oopper, run, an in Comwall, from north-east to south-west (approaching more or less to cast and west), and thoso whicle afford lead run nearly at right angles to theso. Tho strata in the miniug field about Tavistock which yields tin, copper, lead, and mangauese, are traversed by porphyyritio (elvau) beds, bearing nearly east and west. A few lead and copper mines are wrought iu North Dcrou: the lend is combined with silver. In many parts of the transitiou district, beds of limestone and masses of greenstone occur. The limeatone rocks in the vicinity of Plymouth, Tor Bay, Ashburton, Nowtou Bushel, and Chudleigh, as containing organic remains and altematiug with argillaceous slate, may be referred to the transitiou series; the limestoue is quarricd for building and burnt for manure; beautifully veiucd marble is worked in different places. The limestone of the north of Derou which crosses the county in parallel courses east and west, may be referred to the same series.

It is in the transition district that the imperfect conl or lignite, called Bovey conl, is found. It occurs at Bovey lleathfield, on the right or south-west bank of tho West Teign or Bovey River, in a plain where the strata of it rise to the surface. It lies in parallel seams from 4 to 16 feet thick, at 6 or 8 feet distance from each other, to the depth of 60 feet, and exhibits a gradation from tho most perfect ligneous texture to a substance nenrly approaching the character of pit conl. Potters'-clay and pipe-clay are found in the same ueighbourhood. These varions substances are of a later formation, and are deposited with intermingled beds in a basiu formed of older rocks. The Bovey conl is used for fuel in the potterics on lioven liesth, and by the poorer people of the neighbourhood; but its difficult and imperfect combustion, and fetid gas, render it unfit for domestic usc.
Mica and chlorite slate form the bold rocky coast from Start Point to Bolt Tail. Graniteforms tho mass of Dartmoor. Numerous rifted rocks, called tors, are scattered over the surface of this moor: they appear to occupy their primitive sites and to owe their present figure to the resistance which their moro perfect crystallisation has enabled thetn to offer to the influenco of the atmosplacre. The Dartmoor granite is remarkable for tho size of the felspar crystals which it coutnins; it is muclu valued for its clumbility, fineness of texture, and the size of the blocks ; it is quarried aud exported to a considerable extent, especinlly to London. It is metalliferous, coutaining veine of tiu, even the rock itself being sometimes impregnated with this metal. (Conybeare and Phillip's 'Outlines of the Geology of linglaud and Wales ; 'Geological Trausactions;' Do la Beche's '13eport on the Geology of Cornwall aud Devon;' Murchison's 'Silurian System;' 'Geologicai Map of the Socioty for tho Diffusion of Useful Knowledgc.')

Climate, Soil, Agriculture.-The climate of Deronshiro is gonerally lanmid; the temperaturo however varies considerably in different parts of the county. Along the sontll coast it is mild aud cquable, and this part of the county is in cousequence much resorted to by invalides, espcoially such as hare a tondency to pulnonary diseasce. Tho sonth const is moist, beiug very subject to light misty rains, kuown as the ' Devonshire drizzle; ' It is also linble to gales. Myrtles aud other tender plants grow frecly in the open nir ; and snow seldom lise loug on the gronnd. On the north const the winds are very keen, and the climate is gencrally coldcr. The moorland country about Dartmoor is also cold and very bleak, but healthy.

The lower hills which occupy so largo a part of the surfaco of this county are cosered with grams ; the ligher with moor and rock. The county contaius along its numerous rivers many fertile meadows, some of whel are ouly imperfoctly irrigatel, and others not at all. Grass scens to bo the untural product of a mild moist climate, liko that of Devoushire, iu which corn is everywhere n secondary olject. The inprovemente in the cultivation of arable land which lare been rapidly introluced into other comntics, especially in the north, have not been so generally received in Devouslife. The oldest system of Dovoushire cultivation is a rudo species of couvertible husbandry, very differcut from what is callell by that naue in the north of liugland und mouth of Scotland. When grass laud begins to wear ont by injudicious maungement, or from a natural defect in tho soil, tho surface is pared thin, and the sod when dried is burnt in heaps. The ashe thus produced ntimulate the soil and onable it to bear a few cropm, frequently three coru crops in succession. When the laud is thus noarly oxhaunted, it is laid down again in grase, and is
pastured for eight or nine years, when the same process is repeated. This system has been so commonly adopted in Devonshire, that the operation of paring and burning is frequently called 'Devonshiring, or as contracted, 'Denshiring.' It is now however less practised than formerly, and no doubt will in time be confined to land abounding in vegetable matter in that state in which it is not fertile, as in peat or turf.
The soil of Devonshire consists of the substance of the rocks of which the hills are composed, which are granite, grauwacke, redsandstone and slate, and marble. The decomposed slate gives the argillaceous part, which binds the siliceous and catcareous sand produced from the other rocks. The waters have mixed these substances in every proportiou; but the best and most fertile soils are composed of a mixture in tho proportions which form a good sound loam, very favourable to the growth of wheat and of potatoes, A great part of North Devon is of more than average fertility: and portions of the southern part of the county are highly productive. Considerable wastes and heaths have been gradually brought into cultivation; and although many wastes and commons still remain, and there are extensive moors and bogs scarcely susceptible of improvement, the quantity of land which is productive in grass or corn is very considerable for so hilly a country. The grass laud occupies more than four-fifths of the soil under cultivation. Some of the lands on the hills are so steep that the crop must be brought home upon horses, which carry a pack-saddle with large hooks on each side, in which the sheaves are laid. A horse so loaded looks at a distance like a little moring stack, beiug almost entirely covered with sheaves.

A considerable quantity of potatoes is raised in Devonshire and gent to Loudon, where they obtain good prices. They were formerly planted in lazy-borls, as in Ireland, but the superior method of single rows moulded up is now generally adopted. The rich brown loam on a rocky subsoil, which gives a dry sound bottom, especially if it has been for some time in grass, whether pared and burnt, or only ploughed and well worked, produces an abundant crop of very good potatnes.
Grass land being far more abundant iu Devonshire than arable land, the chief articles of agricultural produce for exportation are butter, cheese, and livo stock. The finest and richest meadows are situated on the alluvial borders of the principal rivers. The upland meadows are less productive, and require occasional manuring.
The clouted or clotted cream of Devonshire is a well-known delicacy. It is made by heating the milk on the hearth, or by means of a stove, to a degrce a little below the boiling point, when the clouted cream rises to the top like a thick scum, aud is taken off when cooled. This cream being merely stirred briskly with the hand or a stick, is converted into butter. The butter thus produced is iuferior to that made from cream which has risen slowly and spuntancously. In the largest and best dairies in the vale of Honiton tho cream is never clouted, except to be eaten iu that state as a luxury.

Tho cows used for the dairy are almost exclusively of the breed of the county, and of a red colour. They are handsomely shaped, and some of them give much good rich milk. In general however they have too great an aptitude to become fat to be good milkers. Cheeso is mado of skimmed milk, and is consequeutly inferior in quality. Where porkers are in request, as in the neighbourhood of great towns, they are profitably fattened on the skim-milk, or on the whey, with the addition of meal.

A great many oxen are reared and aunually exported from all parts of Devonshire, but chicfly the northern parts. About Barnstaple and South Molton the best breeds are met with. The North Devon oxen are famed for their docility and activity at work, and especially for their great aptitude to fatten. The cows of the pure North Devou are chicly kept to breed; for the dairy they are improved by a cross with a short-horn. Sone very fine cows of a mixel breed may be seen in the vale of the Ex: they are fine in the coat, horn, and bone, and short in the legs.
Tho sheep fed on the hills and wastes of this county are distinguisked by fine wool and excellent flesh. The Exmoor sheep are extremely hardy, and well adapted to cold bleak mountains. In the valleys some remarkably fino sheep have been produced by crosses of the native sheep with the Leicester. In consequence of the wet state of the low meadows tho higher pastures are resorted to for breeding flocks, but it requires a bardy race to withstand the wet and cold winters on tho Devonshire hilla; for frost is not so hurtful to lambs as continued rains The pasture on Dartmoor Forest is very good, and tho rot is almost unknown there.

The race of pigs in Devonshire is very good generally; and in some districte, where care has been taken to select the best animals and cross the breeds with judgment, as fine hogs are fatted ass in any part of England.

The farm buildings in Devonshire are frequently very inconveniently situatal with respect to the farm. The object seems to have been to choose a sheltered spot, without regard to the situation of the land attached to the farm. The materials of which tho buildings are constructed are stone or carth, made into a species of mortar, and
formed into thick walls, which dry and harden gradually, and are called by a provincial term, ' cob walls.'

The farms are not so extensive as in tho more level parts of England; 150 to 200 acres, of which at least three-fourths are pasture, are considered a large farm. There are also in this county many more small proprietors and lessees for 99 years, which is nearly the same, than in most other parts of Britain. They are mostly frugal and industrious, and if they do not cultivate their land in the most approved manner, they at least contrive to live comfortably. This is chiefly owing to the rearing of cattle, which requires constsnt attention and the eye of the master much more than the cultivation of the soil, aud in which small occupiers are generally more successful in proportion than large farmers.

The chief beverage of the Devonshire people is cider; the cider made in this county is considered to be superior to any other in England. The soil on the slopes of the hills is peculisrly adapted to the growth of fruit-trees, especially on a loose rocky bottom,
where the roots may insinuate themsel times.
The progress of cultivation has greatly diminished the timber which formerly abounded iu Devonshire, and except in sheltered situations trees do not thrive and acquire so great a size as they seem to have done wheu they sheltered oue another: Coppice-wood however is plentiful, most of the steep sides of hills towards the banks of the rivers being covered with this growth, which adds considerably to the beauty of the valleys. The best of the coppicewood is used for fencing, hurdles, and hop-poles. In some parts there are extensive furze brakes, which are usually cut every five years for fuel. The wood grown in Devonshire is chiefly onk, but beech, ash, and elder are interspersed, according to the soil and situation.

Trees planted on the summit of the hills in Devonshire seldom thrive owing to the violence of the winds; but on the slopes of the hills they succeed well, and as they ascend they protect each other; and thus in time the tops may be covered. Where the Scotch fir and larch have been planted in sheltered situations they grow well.

Divisions, Towns, dec.-In the Exon Domesday (a description of the five western counties, Wilts, Dorset, Somersit, Devon, and Cornwall, which is supposed to contain an exact transcript of the returns made by the Conqueror's commissioncrs at the time of the general survey from which the great 'Domesday' itself wss compiled), which is preserved among the records belonging to the Dean and Chapter of Exeter, mention is made of at least 33 hundreds into which Devonshire was then divided. In the huudred roll, a documeut of the time of Edward I., 33 hundreds (including that of Lovetot, incidentally mentioned as co-extensive with the manor of Freming ton) are noticed. The present number is 33. The county is divided into two parts, the northern and the southern divisions, for the purpose of parliamentary representation: each division sends tivo members.

Devonshiro contains 40 market-towns. Of the most important we subjoin a list, adding the locality of each :-

Ashburton, a parliamentary borough on a small feoder of the Dart; Axmaster, on the Axe; Baypron, ou the Bathern, a feeder of the Ex; Barnstaple, a parliamentary borough ou the Taw; Beeri Alston, between the 'l'amer and Tavy; Bideford, on tho Torridge; Brishan, near Berry Head, the southern extremity of Tor Bay; South Brent, on the Aune; Chagford, on the Teign; Chudleioh, on the Teign; Chulmleigh, ou the Dart; Collumptos, on the Culm; Colyton, on the Coly, a feeder of the Axe; Cremiton, on the Creedy; Culmstock, on the border of Somersctshire; Dartmouth, a parliamentary borough on the Dart; Devonport, formerly called Plymouth Dock, or colloquially Dock, on the æstuary of the Tamer, near Plymouth, a parliamentary borough; Exerer, a city, and the county town, on the Ex; Hatherleigh, on the Torridge; Hoiswortuy, on a feeder of the Tamer; Hoviron, a parliamentary borough ou the Otter; Ilfracombe, on the Bristol Chanuel ; Kinos. bridoe, near Star Point ; Modbury, on a feeder of the Erme; Socta Moltos, on the Molc; Moreton Hampstead, on the easteru edge of Dartmoor : Newton, on tho Teign; OкEHampton, on the Okement ; Ottery St. Mary, on the Otter; Plymoutr, on Plymouth Souud, a parliamentary borough, and one of the great naval ports of England; Plympton, on the Tory, a feeder of the Plym; Sidmouth, on tho English Channel; Stonehouse, between Plymouth and Devonport; Tavistock, a parliamentary borough on the Tavy; Teionmoutn, at the mouth of tho Teign; Tiverton, on the Ex, a parliamentary borough; TOPSAas, ou the Ex; Torrincton, on the Torridge; T'otnes, a parliamentary borough ou the Dart; and Uffculme, on the Culme. The towns which have their names printed in small capitals will be found described under their respective titles; the remainder we notice herc, with the population of each in 1851. Devonport and Stonehouso will be found described under Plymouth.
South Brent, population of the parish 1203, is a small town on the road from Exeter to Plymouth, and on the river Avon or Aune, 26 miles S.S.IV. from Exeter by road, and 36 miles by the South Devon railway. The town is situated near the south-east corner of Dartmoor l'orest. The market is on Friday ; and there are two fairs in the year.

Caadood, population 1557, is an ancient stannary town, situated near the right bank of the Teiga, and not far from the border of Dartmoor Forest at its north-eastern angle, 16 miles W . by S. from Exeter. This amall town lies in a picturesque sitmation at the foot of some rugged and lofty hilk. The houses, irregularly arranged, are of antique appearance A brook flows through the middle of the strect. The church is an ancient structure of the native gravite. There in a bridge of three arches over the Teign, half a mile above the town. Many of the population aro engaged in agriculturo. A few are emplojed in the woollen manufacture. The market is on Thursilay, and there are four fnirs in the year. There are places of worship for Wealoyan Methodists and Calvinistio Baptists. Towards the close of the Iith century the town was partly destroyed by fire.

Chulmbeigh, or Chumeigh, population 1\%11, is a small town on the right hank of the Little Dart, just above its junction with the Taw. It is on the road from Exeter to Barnstapic, about $21!$ miles N.W. from Exeter. Many of the population are engnged in agriculture. The ehurch, dedicated to St. Mary Magdalen, was much damaged by lightning in 1707. It has a fine tower, and contrius some ancient screen work. The church was formerly collegiate. There are two ehapels for Dissenters, two Endowed Charity schools, and a British achool. The manor of Chulmleigh once belonged to the Courtenays, earls of Devon, who had a castle hcre. The market is on Thursday; thero are three fairs in the year.
Culmasock, or Columbsfeck, population 1224, is on the border of Somersetshire, on the upper part of the river Culm, 19 miles N.E. from Excter. Thero is a market-house. The market is held on Friday. There are two fairs in the year. The clothing trade, which once flourished in this place, has much decrensed. The church contains a fiue stone screen, and a rich doorway, ennopied with foliage. Thero aro places of worship for Quakers and Wesleyan Methodists.

Hatherleigh, population 1710, situated abont 28 miles W.N.W. from Exeter, is on the right bank of a branch of the Torridge, a short distavce from its junction with the Okement. Most of the inhabitants are engaged in agriculture; a few are employed in the manufacture of woollens. The towu is very irregulariy laid out, and the houses hare a mean appearance. The market is on Friday; there are four cattle fairs in the year, and a large cattle market on the Friday nearest the 21 st of March. Petty sessions are held here. There are fire almehouses and a Free school in the town.
Medbury, population of the parisls 1858 , is on a rivulet whose waters flow into the Erme: 34 milea S.W. from Exeter. The populatiou is chiefly engaged in agriculture. The town consists principally of four streets crossing each othor at right augles. The houscs are in general fronted with slate. The church is spacious and handsome, the spire is 134 feet high. There are neeting-louses for Baptists, Independents, Quakera, and Methodista. Some ruins are left of the ancicnt mansion of the Charapernounes, who held the manor of Modbury, and lived here in great spleadour in the reign of Edward II. Modbury is a borough, though without a charter of incorporation: it sent repreneutatives to I'arliament in the reign of Edward I. There was an alien priory of Benedictines here as early as the reign of Stephen; it was suppressed by Henry VI. and its revenues given to Eton College. The market is on Thursday: thero is a great narket the mecond Tuesday in cvery month; also a fair in the month of May. There are here a Charity school, a British school, and two Infant schools. A barrack stands in the outskirts of the town.

Mforeton Ilampstead, population of the parish 1858, is 11 miles W.S.W. from Excter, near tho eastern border of Dartmoor Forest. The town is romantically situated on a gentle eminence bounded on almost every side by lofty hills. The principal strect runs for about hallf a mile along the Exeter and Plymouth road. Besides the ehureh, which is ancient, thero aro meeting-houses for Independents, Raptinta, Methodints, and Unitariass ; also a Free school, a school Irartly supported hy endowment, and Infant schools. There aro the neighbourdo a rope manufactory, and some granito quartios in the neighbourhood. The market is on Saturday; and there aro two great markets and two cattlo fairs in the year. The townapeople aro in general strong and healthy, and remarkablo for uingnlarity of dialect and manaers, owing probably to their nocluded situation. In the rieinity are a rocklng stone, a cromlech, and the remains of a Iruldical temple.

Cifculm, or Uficulme, population 2008, in on the right bank of the firer Culm, a foeder of the Ex, 16 malles N.T.E Wy E. from Eixeter. Slany of the inhalllante aro engaged in agriculture. Uffeulm was until towards the clowo of the laut century, a considerable manufacturing town; a great quantity of mergo was mado and exported to Hollinad by the Tiverton merclanta Flanncla were afterwards made, but these manufacturen bare cenced. The market in on Wedneaday: there are three fairs in the year, but the fairs have declined. The a richly carred wood screen. There are placen of worship for Inde pendents and Baptist:. The Orammar mehool, founded in 1701, has an Income of 461. I 0 a. G.d., and had I0 acholars in485I, of whom ove was free.

The following are some of the more importanat villagen, with the
population in 155I, and a few other particnlars:-Axmouth, popula. tion 680, is situated at the moutio of the river Axe, 21 miles F. from Exoter. The mouth of the river han, by means of piera, been converted into a harbour capable of recciving veseels of I 00 tons burden. About a mile 1 . from Axmouth occurred nome very remarkable landsllps on the 26 th of December, 1839, which caused a chasm 200 feet In width and 250 feet in depth, extending for a distanco of threequarters of a mile parallel with the shore. At Whitlands, a little inore than a mile farther to the east, occurred a second but much smaller landslip on the 3 rd of the following Februnry. Beer, 12 miles K. by S. from Exeter, popalation 1281, a amall cove aud village, inhabited by fishermen, and celebrated formerly for smaggling, is situated in a narrow glen through which a stream runs and falls iuto the sen in a beautiful cascade. A small churels and au Independeut chapel are iu the village; the sum of 7000 l . was left by the late Lady Rolle for the purpose of founding and endowing various charitable institntions. About a mile from the village is a large cavcru extendiug a quarter of a mile under ground; its depth in about 300 feet from the surface. Berry Pomeroy, 23 miles S. by W. from Exoter: population of the parish, 1038. The chureh is a fine structure, and contains a handsome screen and several monuments. On an eleratod rock in a narrow valley are the picturesquo and ivy-covered ruins of Berry Pomeroy Castle, the oldest part of which was built in the reign of Willinm I. by Ralph de la Pomeroy. The ruins are of great extent, and have a very impressive appearance. Berey Tracey, 18 niles S.S.W. from Excter : population of the parish, 2086. The church is ancient, aud contains a coloured stone pulpit. Iu an open space in the village are the shaft and steps of an ancient cross. Close to the village is a pottery, established in $17 \% 2$. In the vicinity are found sands and clays suitable for the manufacture of fine porcelain. It is here that the lignite, known as Bovey coal, which is used for fuel, is found. The market has becu discontinued : there are two fairs, one in Marel and one in November. Bow, 16 miles E.N.E. from Exoter, population of parish 094, a small town; many of the houses are cob-buile, and the place has a poor appearance. A great market is held in Harch, and Fairs aro held in DLay and November. Branscombc, 18 miles W. by S. from Excter, population 1017, is beautifully situnted at the junction of three valleys, through each of which a strcam descends, and uniting here flow together into the sea at Branscombe Month. In the ueighbourhood are numerous potrifying springa. Buckland Monachorum, 32 miles S.W. by W. from Exeter: population, 1548. The chureh, a rery handsome building, contains a monnasent by Bacon to Lord Heathfiold, the heroic defonder of Gibraltar. A littlo to the south of the village is Buckland Abbey, the favourite residence of Sir Francis Drake. Budhigh Salterton, II riiles S.E. from Exeter, population included in East Budleigh, is a small but fuvourite wateringplace. The villago is built along the bottom of a valley running to the sea, and the buildings oxtend on both sides up the hill : a small brook of water runs through the main strect, over which aro placed at iutervals rustic wooden bridges. About a mile to the north is the cob-built village of Bulleigh East : population of the parish, 2447. In this parish is Hayes Bartou, the birthplace of Sir Walter Kaleigh ; it is now a farmhouse Clorelly, 47 miles N.W. from Exeter, population 937, a picturesque little fishing village on the side of a steep rock adjoining the sen. The church is a neat building. Clovolly is colebrated for its herring-fizhery; as mauy as 0000 herrings have been takon off here at a hnul. Above the villnge is Clovells Court, the scat of the lord of the manor. Combe Marin, 42 miles N.N.W. from Exeter : population, 1441. The church is in the perpendicular style, constructed of light red stone, and is distinguished by a very handsome tower. There is a chapel for Wesleyan Methodists. The trade of Combe Martin is inconsidernble. Welsh coal is inuported, and corn and bark aro exported. The market formerly held here has been long discontinued. In the neighbourhood are several silver-lead miues, which lave been worked at various times siuce the roigu of Edward I. Dreustcignton, 12 miles W. from Exeter: populatiou, 1232. This village is chiefly remarkable for its numerous Druidical remains. Besides thene there aro some remains of British camps on the river, and some other antiquitien in the neighbourhood. Martland, 54 miles N.W. from Excter : population of the parish, which is extenslve and contains soreral villagen, 2183. A market is held on Saturlays, and there are two cattle fairs in the year. The churels stands about a mile from the town, near the sea. At llartland quay corn is exported, aud coal and limestone importod. The Independents have a chapel here. Ilartland Abbey was founded by the wife of Enrl Godwin for secular priesta; some portious of the cloisters still remain: they are iu tho early Einglish style. Hemyock, 20 miles N.E. from Eiseter: population, II85. The church has been lately rebuilt; it contains au old fout of Purbeck stone $\ln$ the early decorated style. Thero are some slight remains of a Norman castlein the neighbourhood. Kenton, 61 miles S. hy Fi. from Exeter, population 2067, anciently a borough town : a market and fair were formerly held here, hut have loug been discontinued. The chureh appears to have been built in the reign of Edward 111.; it is a handsome building constructed of red stone ; tho tower is 100 feet hlgh ; the church contains a fine sereen. Lidford, 3 milen W. by S. from Vixeter : population, 27 I. During the Saxon Heptsrely this was one of the principal towns in Devonshire ; it conaistu now of merely a few small cottagem. In the village are the ruins
of an old castle and the weather-beaten church. Lidford castle was formerly used ns the stannary prison for the Devonshire miniug districts. A bridge extends by a single arch of only a few feet span over a dark and deep chasm, under which the river Lid is heard falling 50 or 60 feet beneath. There is also a very beautiful waterfall at Lidford, 200 feet in height, and the sceuery in the ueighbourhood is very grand. Linton, or Lynton, 48 miles N.N.W. from Exeter, population 1059, a beautiful nad picturesque watering-place, celebrated for its magnificent scenery; it is situated on the Lynn Cliff, and has a fine view of the sca. There is a small pier at Linton, and fishing is carried on to some extent. The Valley of Rocks, a spot celebrated for its picturesque beauty, is about a mile north-west of Linton. Lymmouth is situated at the mouth of the streams East and West Lynn, which form a pretty cascade a little to the east of Linton. The view of the sea is very extensive. The neighbourhood of Lynmouth and Linton is much frequented by anglers: the Lynn abounds with trout. Otterton, 11 miles S.E. from Exeter, population 1231 ; the village, which is situated on an elevated site on the left bank of the river Otter, is principally composed of cob-built cottages. The church is very ancient, with a tower at the east end; it has been partly restored: adjoining to it is the Mansion, a part of an old religious house, belonging to the abbey of St. Michael in Normand 5 : it was founded by King John. The manufacture of pillow-lace is carried on here. Paignton, 23 miles S. hy W. from Excter, population 2746, a small but rapidly increasing watering-place. Before the Conquest the manor belonged to the see of Excter, and some shight vestiges of the bishon's palace are still to be secn. The church is spacious and very ancient; it contains a curious stone pulpit carved and painted; on the exterior of the tower is an arch with a zigzag moulding. In the churchyard are the steps and shafts of an ancient cross. "Paignton is celebrated for an early cabbage sent to all parts of the kingdom. Cider is made hero in large quantities. The beach is excellent; a pier was constructed in 1838, at which vessels of 200 tons hurden can load. Prince Tovn, 25 miles S.W. from Exetor, a very small hamlet on Dartmoor. Near Prince Town is the government prison, built in 1806, for the confinement of prisoners of war: the prison consists of seven buildings, each 300 feet long, and 50 feet wide, capable of holding together 9600 men. Attached to the prison is a neat chapel to contain 500 persons. This place is the field of an important experiment on the application of convict labour. Iu the autumn of 1850 a number of convicts were sent down here to be employed in the reclamation of a portion of the moor and other useful works. The prison being of such extent, and so well constructed as to afford abundance of room, security, and facility of supervision, and the situation, though bleak and dreary, being healthy, while it is sufficiently removed from any populous neighbourhood, the experiment is made under very favourable conditions. In 1852 the available accommodation was raised from 1000 to 1274 . On December 31st, 1852, there were in the prison 1133. The average number for the year was 1027. In the course of the ycar 339 were sent with tickets of leave to Van Diemeu's Land and Western Australia, and 37 received free pardons. The total expense for the year ending March 31 st , 1853, was $30,042 l$.; the total value of the labour applied iu and about the prison, and for making roads, reclaiming lands, \&c. was estimated at 15,473l. Seventy acres of land were reclaimed from the waste in 1852. There are now under cultivation 98 acres, well draiued, and surrounded with stone walls. Flax, barley, oats, turnips, mangold-wurzel, and carrots are grown, but potatoes have not hitherto succeeded. Sixty cows are kept, and the graseland furnishes pasture and hay sufficient for them. A considerable number of pigs are also kept. In the garden within the prison there are vegetables grown for the use of the prisoners. Bclts of forest-trees have been planted. Peat is dug for fuel, and is also used for the manufacture of gas. The sewerage is used for manure. In the yearly report the governor bears testimony to the general good conduct of the prisoners. Nen who have received sentences for short periods, whose crimes havo not been heinous, and who have behaved well, are sclected for special service, such as looking after the eattle, driving carts, \&r., without being in charge of an oficer. Of such 18 have been employed outside the prison walls, and 35 within them: the dress of this class of men is blue instead of brown, and those employed outaide the prison have in addition a red collar to their jackets. Salcombe, 38 miles S. by W. from Exeter, population of the ecclesiastical district 1656, is a very picturesque town, pleasantly situated, and so sheltered hy high lands as to be one of the warmest in the kingdom. Myrtle-trees grow along the shore, and lemon and orange-trees in the gardens. The harbour is sheltered, but it has a bar at low water, and sunken rocks at the mouth, which render the entrance dangerous. Salcombe was a few years back celebrated for its white ale, a beverage peculiar to this part of Devonshire. Sheepwash, or Shipwash, population of the parish 525, on the north bank of the Torridge, 30 miles W. by N. from Exetcr, had a cousiderable market in the middle of the last century, but is now a place of no consequence. Silverton, $6 \frac{1}{2}$ miles $N$. from Exeter, population of the parish 1376, was formcrly a market-town. Besides the church there is an Endowed school. This place suffered much from a fire in 1837, which destroyed nearly half the houses. Sir Thomas Fairfax quartered with his army here in 1645. About one mile to the right is Silverton Park, a seat of the late Earl of Egremont. Starcross, 8 miles
S. by E. from Exeter, population 936, is in somo repute as a wateringplaco. It derives its name from a cross that formerly stood near the landing-place ou the bank of the river. A district chapel was built here in 1826 ; there is slso a chapel for Wesleyau Methodists. Stareross is celebrated for its oysters and cockles. There is a station here of tho South Devon railway, also a good stone pier for the use of steam-vessels. North Tauton, 21 miles W. by S. from Exeter, population of the parish 1906, was anciently a borough and market-town, and still boasts of its portreeve. The market has been long discontinued; the woollen manufacture, which it formerly possessed, is gone, and the place is of no importance.

Divisions for Ecclesiastical and Legal Purposes.-From the introductiou of Christianity among the Auglo.Saxons to the year 703, the southern part of England, from Kent to Cornwall, was under one bishop. Upon the ecclesiastical division which took place in 703 , Devonshire became part of the diocese of Sherbourue. About 910 Devonshire formed a diocese of itself, the see being at Crediton. About the year 1040, in the reign of Harold I. or Hardicanute, Coru wall, which had previously formed the separate diocese of St. Germans was united with Devonshire, and the see was soon afterwards (1050) removed to Exeter, where it has ever since continued. That part of the diocese which is in Devonshire is divided into three archdeacon ries-Exeter, Barnstaple, and Totues-which are subdivided into 23 rural deaneries.

The number of benefices in the county is given by Messirs. Lysons's 'Magna Britannia' at 471, of which 258 are rectories, 130 vicarages, 42 donatives or curacies, and 41 parochial chapelries. There are several chapels of ease. The diocese of Exeter is iu the ecclesiastical proviuce of Canterbury. According to the 'Census of Religious Worship,' taken in 1851, it appears that there were then in the county 1297 places of worship, which belonged to the various religious socicties in the following proportions:-Church of England, 549; Methodists (four sections), 379 ; Independents, 142 ; Baptists, 112 ; Brethren, 36 ; Unitarians, 12 ; Quakers, 8 ; Roman Catholics, 8 ; other bodies, 51. The total number of sittings provided was 334,372 , of which the Established Church provided 191,710.

Devonshire is included in the western circuit: the assizes and quarter sessions for the county are held at Excter, which city is a connty of itself, having been made so by statute $2 \& 3$ Edward VI. The stannary laws [Connwall] have been in force from a very early period in the mining district in the south-west part of the couly. The stannary towns are Ashburton, Chagford, Plymptou, and Tavistock. Couuty courts arc held at Axmiuster, Barnstaple, Bidcford, Crediton, Excter, Holsworthy, Honiton, Kiug's-bridge, South Molton, Newton Abbot, Okehampton, Plymouth, Tavistock, Tiverton, Torrington, and Totnes.

The county returns four members to Parliament-two for the northern and two for the southern division. The city of Exeter returns two members, as do the following boroughs: Barnstaple, Devonport, Honiton, Plymouth, Tavistock, Tiverton, aud Totnes. The boroughs of Ashburton and Dartmouth return one member each ; making the total number of members for the county, city, aud boroughs, 22 -four less than before the Reform Act. Exmouth and Teignmouth sent representatives to the great councils for maritime affairs.

History and Antiquities.-The earliest ascertained inhabitants of this couuty were the Damnonii (Richard of Cirencester), or Dumuonii ('Itin. Antoninus'). Tho mauy ancient encampments in Devon $h i r e$ mark it as the scene of early encounters: some of these camps are evidently Roman. After the Roman conquest Devonshire was included in the province of Britannia Prima.

Of this remote period there are many remains. Circular inclosures formed by low stone walls occur in various parts of Dartmoor. Grimpspound, as it is called, about three miles from the village of Manaton, on the east side of the moor, is a circular inclosure of four acres: it has two entrances directly facing the north aud south : at these points the wall, which appears to have beeu about 12 feet high, was the thickest. In the inclosure are several circles of stone of 12 feet diameter, especially ncar the south sido of the inclosure. At Gidleigh Park, near Scorhill Tor, Dartmoor, is a very remarkable stone circle known as the Scorhill Circle. "The two principal columnar masses in this granite peristyle stand at nearly opposite points of the circle; the highest rising nearly 8 feet from the surface, and the other stauding upwards of 6 feet. The lowest are about 3 feet high; several have fallen, but twenty of these time-worn obelisks still maintain their erect position, and circunscribe an area of about 100 feet in diameter." (Rowe's 'Dartmoor.') There are in the parish of Bratton Fleming, betweeu South Molton and Ilfracombe, six upright stones, the remains apparently of an ancient circle. Noar Merivale Bridge, on the Walkham, are 'hut circles,' as they are called, and other aboriginal remains, which indeed, as before mentioned, abound in different parts of Dartmoor. The granite tors of Dartmoor are natural. There are some sepulchral stonos on Maddoek's Dowu (south of Combe Martin), and a very fine cromlech at Drewsteigutou, or Drew's Teignton, betweeu Exeter and Okehampton. Numerous barrows, or tumuli, occur on Haldon and other dowus, particularly iu North Devon, and some cairns or piles of stones. Roman antiquitics have been found in some barrows when opened.

Of Roman stations in. Devonshire the most important appears to have boeu Isca Damnouiorum, which the name and the antiquitios difoovend coneur in fixing at Exetor. Another Roman slation, Moridunum, or Muridunum ('Itin. Anton.'), is agreed hy most to havo been in this county. Two other stations aro mentionod by Itielard of Cirencester: 'ad Durium' (tho station ou the Darius or Dart), supposel to be Totnes; and Tamara, the nane of whieh indicates its situation somewhere on the river Tamara (Tatner), and which was probably at Tamerton Folliot, on tho sestuary of the river some iniles above Dovonport, IBichard also mentions two British towne, T'ermolus and Artavia, in the territory of the Citnbri, and probably in the north of Devon. It has been conjectured that Denbury, near Newtou Ahbot, is the place called Derionisso by the geographer Ravennas.
An ancient British road, aftervands couverted by the Romans to their own use, traversed the wholo county from east to west, passing near Axminater and lloniton to tho camp at Hombury, and hy a subsequent bend to Isca or Exoter. From Isca it ran south-west over IIaldon and near Newton Abbot to Totnes, and thence went to the Tamara, or Tamer. Mlany other roads may be traced. The Roman antiquities fonnd in the county lave not been numerons: the principal seem to have been at Exeter, where a tessellatod paroment was found, some bronzes, coins, and other remains. Some antiquities have been found at Senton and other places.
In the Sayou invarion this connty became the scene of contest. Cynegils, king of the West Saxons, is said by the Saxon ehroniclo to havo beaten the Britons, A.D. 614, at Beamdune, supposed to have been lampton, though it is by no means clear whether it is the Bamptou in Devonshire or that in Oxfordshiro. The pressure of the West Sazons gradually constrnined the Britous to rotire westward. Dovonshire was for a long period debateahle ground; it probably was not natil the reiga of Athelstan, who is said to have defeated Howell, king of Cornwall, near Exeter, A.d. 926, that the Britons were finally compelled to retire beyond the Tamer. In A.D. 876,875 , the Danes scem to haro wintered at Exeter, and were in 8.75 besieged by Alfrod, who compelled them to mako peace and to give hostages for the observance of it. In $8 i s$, when Alfred had been compelled by a Danish invasion to conceal himself, Ubbo, or Hubba, one of the sons of Ragnar Lodhrog, sud oue of the ehiefs of the invaders, landed in the north of Deson and blocknded Kynuth Castle, near Appledore Oilun (who in styled earl of Devon), who occupiod the castle, unade a vigorous sally just about daybreak, slew Ubho and nearly 1000 of his men, and eaptured the magical standard of the Danes, woven by the nisters of Ulbo and worked with the figure of a raven. lu 894 tho Danen were ngain iu Deronshire; those of them whom Alfred hal settled in Fast Anglia and Northumbria, induced by Hasting, who was then infesting lingland, took ship, aud sailing round the headlands of Kent and aloug the Channel, besieged Exeter; but on tho appronelh of Alfrod's aruny they fled to their ships. The great battle of Brunanburh, which hass been by sonso placed in Northumberland, has heen by others supposed to have been fought near Axminster in Deronshire. In 997, 1001, and 1003 the Daues committed considerable ravages in tho distriet.

Wheu Williaus of Normaudy attaeked Euglnnd his second campaign was in the weat. Exceter yielled on his appronch. In the next tiro years, when the Sixons of the neighbourhood rose in revolt, or rather renewed tho strugglo for independeneo, under tho sons of Harold, who had fallen at Ilastings, the citizens refusod to admit thenn. William seat some troops to relieve tho eity, and the Sasons were defeatod with great slaughter.

The coasts of Deroushire were about this time laid waste by the Irish, and the eivil broils which aroso during the next hundred years bet ween the children and deacendauts of the Conqueror rendered Devonshire ths scene of contest. The suceeerling centuries are markod by fow hintorical crents except occasional attacks by the French on tho towns along the coast, and somo contests of inferior moment duriug the wars of the losen. The nobility of the county were civided between the rival hounes; the Courtenays, earls of Dovon, were Laucasterinns, and throe brothers who succesively cajoyed the title fell in the fiold or died on the scaffold.

In the rehellion of tho Cornish men under Lord Audley and Flammock [Cosswazt], and in tho rebellion under Perkin Warbeek, Fixter was the object of attack; hut in both easer tho attack failed. The last siege was raised by Courtonay, earl of Dovon, attonded by ecreral Devonshire knights and the 'pposse comitatus.' 'Warheek retired to Tannton.

Of tho troubled periods to which the foregoing sketch refers Deromaine contains soveral memorials in the baronial castles, tho ruins of which are still in existence. At Exseter, Ilympton, Okohampton, and Tivertou were castlos, all of whleh belonged to the Courtmajes [Exietir ; Tiveriox.] Some of tho walle of the keep of Plympinn Cistle yot remnin, aud some scanty ruins of that of Okeliampton. lerry I'omeroy Castle, near Totuen, is an ancient manvion on the brow of a atoep hill in a woll-wooded country; it was the ment first of the Pomeroyn, afterwards of tho Seymours Compton Castlo near Torbay, and Afton Cautle uear Chulmleigh, are still standing but converted into farm-houscs; and thero aro remalna of Gidley Castlo; Ilerayock Cantle, near tho upper waters of the

Lidford Castle, between Tavistock and Okehampton. Of ancient manaion-houses Dartiogton, near Totnes, built in the reign of Rieharl II., about the end of the 1th ceutury, nad an old mamaion at Bradley, near N'ewton Bunhal, built in the I5th century, are among tho unost remarkahle.
Whon tho alteration of the elurch service took place at tho Reformation, 1549, great disturbances broke out in Devonshire. They began at Sanpiford Courtenay, between Olehampton and Chulmleigh, and gradually assumed a serious aspect, as some of tho gentry jound in tho revolt. The spirit of disaffiction spread into Cornwall. Exeter was besioged hy the rehels; and it was not until several severe actions had taken plaeo that Lord Russell, who bal been sent down to suppress the revolt, succeeded in cloing so. In 1554 Exeter was occupied by Sir I'etor and Sir Gaweu Carew, who had taken up arms to oppose tho coming of Philip of Spain.
Of the mounstic establishments of Dovonshire, T'avistock lienedietine Abbey; Buekland, Buckfastre, Dunkeswell, Ford, and Newonhaiu, Cistercian abbeys; Plympton and Ilartlaud, tho former a priory and the lstter an abbey of Augustinian Camons; and Tor Ahbey for Premonstratensian Canons, wero the chief. The ruins of thene buildiugs are inconsidorable: the clapel and other parts of Ford Abbey, on the river Axe; the rofectory and ahbot's hall, and tho gatehouse at Tavistock; part of the conventual elbureh of Tor Abbey ; and some remains of Buckland, Hartlaud, and other establishnueuts, aro yet standing. Thero are considerable remains of St. Nicholas's Priory at Exeter; the crypt, which has massive Norman arches, has been convertod into a kitchen.
In the great civil war of Chaylos I. the county scems gonerally to have embraced the cause of the D'arliament. I'lymouth was seized hy the townsmen during the absence of the governor appointed by the king, and the Earl of Ruthen was soon after made governor. Exeter was the head-quarters of the Earl of Stamford, the parliamentary geucral. In 1043 the Royalists besiegod Exeter, which the Earl of TWarwiek, who commanded the fleet for the Parliament, was unable to relieve. Colonol Dighy, a royalist, defented the Parlinunentarians at Torrington; and Barnstaplo, Bideford, aud a strong fort at Appledore, which were held for the I'arliament, surrendered. Exeter also was compelled to surrender about tho same time. Princo Maurice blockaded Plymouth, but without success; two aseaults made in Decomber 1613 were repulsed, and the siege was for a time abandoned. In tho spring of 1644 several freah attempts wero made upou it with a liko result. In 1644 tho Earl of Essex with his army reached Devonshire, but no great or decisive event took place until Lssex marched into Cornwall, where his infantry was obliged to canpitulato to the king, who had followed him thither. [Comswalin] The king, returning from Cornwall, surmmoned Plymouth to surrender; and on its refusal Sir Riehard Grenville was left to carry on the siege. In October 1045 Sir Thomas Fairfax, commander-in-elief for the Parlinment, entered the county with his army, and in tho course of tho following winter and spring entirely put down the opposite party.
At the revolution of 1658 the Princo of Orange lauded at Torbay, Novemher 5 th ; and ou the 8 th he mado a puhlie entry into Exeter, Where he remained for some days before any of the principal peoplic of tho county joined him. On the 21 st he quitted Eixeter on his march to London.
Teignnouth was burned by the French in 1690. In 1718, upon the apprehension of a French invasion, an encampment was forned on Clist Heath, 4 or 5 miles N.E. from Excter. In 1 fit9 the appearauce of the comhined Freneh and Spauish fleets off Plymouth caused great alarin, snd the prisoners of war wers removed to Exeter. In 1798, upon tho alarm of a Freuch invasion, several regiments of volunteers were raisod, artillery was brought from Ilymouth for the defence of Excter and placed ln an ancient intrenelment on Woodhury Down, a fow miles south-east of Exeter, where a camp was formed. Similar mensures were taken upou the renewal of the alarms iu 1803.
Deronshiro is an agriculcural county. It has hut few manufactures, hut many of its inhahitauts are employed in quarrying stono, or iu obtuining some other of the raluahle minerals it eontains. In 1851 the county possessed six eaviugs banka, of which two were established in comoction with tho dockyarles, and four in the towns of Deronport, Fxeter, Plymouth, and Taristock: tho nmount owing to depositors on 20th November 1851 was $1,504,805$ l. 19\& $8 d$.
DFVYNNOCK. [Brecknocrshme]
DEWSBURY, West Riding of Yorkshire, a market-town and the seat of a Poor-Lair Uniou, in tho parish of Dowbhury, is situated at the baso of a hill rising from the left bank of the river Calder, in $53^{\circ} 12^{\prime} \mathrm{N}$. lst, $1^{\circ} 39^{\prime} \mathrm{W}$. long., distant 32 miles S.W. frem Tork, IS 8 miles N.N.W. from London hy road, and 180 miles by the Great Northern and Lanenshiro and Yorkshiro railways. Tho population of the town of Dewshury in 1851 was 5033 . Tho living is a vicarage in the srehdeacoury of Craven aud diocose of lijpon. Dewsbury Poor-Law Uuion contains 11 parishon and townaliphs, with an aren of 24,165 acres, and a population in 1851 of 71,768 .

In the time of tho Sazons the parish of Dewabury was one of the most extensive in England, comprining an aren of 400 square miles That area is now divided into nine parishes, including thoso of Iluddersfield, Bradford, and Halifax. Paulinus, tho first arelibishop of York, resided at this place, and some have supposed that from the
success which accompanied his preaching the place of his residence received the name of Duisborongh, 'God's town.' In the vicarage garden, near the church, are some Saxon tombs: other Saxon relics have been found. At the east end of the chancel outside the church is a cross, inscribed "Paulinus hic predicavit et celebravit, A.D. 627." This cross is a recent erection, but it is a fac-simile of a Saxon wheelcross which formerly stood in the same place. The inscription is supposed to refer to the conversion of Edwin, king of Northumbria, with his court, by the preaching of Paulinus in 627.

The town of Dewsbury is pleasantly situated : the increasing importanco of its mauufactures has caused a great extension of the buildings and much improvement in the general aspect of the place; there are numerous good streets, and the torn is lighted with gas. A uew courthouse has been recently erected, in which petty sessions and a county court arc held.

The parish church of All Saints, Dewsbury, is an ancicnt structure : part of the building having fallen about the middle of last century it was rebuilt in conformity with the original style. A new church at the west end of the town is in the perpendicular style. The Baptists, Independents, Wesleyan and New Connexion Methodists, Qnakers, and Roman Cntholics have places of worship. There are here a Grammar school, National, Wesleyan, and Infant schools, a mechanics institution, and several subscription libraries and newsronma.

Wodnesday and Saturday are the market-days, the Saturday market being the most important. Three fairs are held in the course of t? 1 e jear. The town is conveniently situsted for manufacturing operations. There are extensive establishments for the mauffecture of blankets, carpets, and inferior descriptions of woollen cloth; worsted yarn manufactorics; and wool-carding establishments. Wool-stapling, iron-founding, tanning, malting, and nail-making are extensively carried on. Several corn-mills and lime-works are in the ucighbourhood.
(Allen, IIstory of Yorkshire ; Baines, Directory of Yorkshire.)
DHALAC, an island in the Red Sea, situated in $15^{\circ} 53^{\prime} 50^{\prime \prime} \mathrm{N}$. lat., $40^{\circ} 40^{\prime} 30^{\prime \prime} \mathrm{E}$. long., is about 35 milcs long and 18 miles wide. It is the largest island in the Red Sea. It is low and its surface level, being formed of coralline rocks covered with sand, but destitute of all herbage during the summer heat, except a small quantity of bentgrass just sufficient to feed the few antelopes and goats that are on the island. In many places there are large plantations of acacia-trees, but they eeldom attain above eight feet in height. There are no springs, and the rain-water is preserved in numerous cisterns. There are also some tanks. This island contains two harbours for small vessels, Dhalac el Kibeer and Dobelow. No kind of agriculture is carried on. According to Bruce, one-half of the male population of the island are always cmployed in work on the opposite shores of Arabia, and by their labour furnish their families with dhurra and other provisions; when their time is expired they are relieved by the other half. They are good seamen and fishormen. Very elcgant baskets are made of the lcaves of the doum-tree, and sent to Loheiha and Jldda. The island contains 12 villages of from 50 to 100 houses cach. (London Geographical Journal, vol. v.)

DIIAR, a small state in the province of Malwa, Hindustan, in $22^{\circ} 35^{\prime}$ N. lat., $75^{\circ} 20^{\prime} \mathrm{E}$. long. The city of Dhsr covers a space threo-quarters of a mile long and half a mile broad, is surrounded ly a mud wall 30 feet high fortified with towers, and is the residence of the raja. The pettal or fort is detached from the city, and stands on a rising ground. The district in the possession of the Dhar raja comprehends about 1070 square miles, containing a population of 104,860. The state was taken under British protection in 1819 on condition of allegiance and military service ; at that time the whole revenue of the Dhar raje, then a miuor, was only 35,000 rupees; it is now about 475,000 rupees, or about $47,500 l$. Tho most important article of cultivation is opium, but the soil is capable of yielding every kind of tropical production. Some of the villages are imhabited by Sheels; of the remaining population by far the larger part are Hindoos; there are a few Mohammedans.

DIARBEKR, or DIYAlR-BEKR, a town iu Turkish Armenia, is situated on a commanding eminence of black basalt at a distance of 55 miles S.E. from Kharput and about 80 miles N.E. from Urfah, in $37^{\circ} 55 \frac{1}{2} \mathrm{~N}$. lat., $39^{\circ} 52^{\prime} \mathrm{E}$. long. It stands at a short distance from the right bank of the Tigris, tho intervening space being occupied by gardens. The area of the town is considerablo and nearly circular in form; the walls, which are pierced by four gates, are. lofty and substintial, built of the ruins of more ancient edifices, surmounted by a castellated parapet, and strengthened by numerous round and square towers, which are most thickly placed on the northern side. Formerly the to wn was inhabited by 40,000 families; had exteusive manufactures, especially of cotton goods; and carried on a very active commerce with India through Baghdad, and with Europe through Alcppo. But the fertile plain in which it stands, and which was cultivated in every part and stndded with villages of 400 to 500 houses each, has in the prescnt century been laid waste by tho Kurds; the commerce with Baghilad was annihilated, and that with Aleppo reduced to inaignificance. Still it containg about 8000 families ( 1500 are Armenian, 85 Catholic, 70 Grcek, 50 Jewish, and 6300 Turkish), and some mannfactures of cotton, silk, and morocco leather. The town is
admirably situated for commerce, and to restore its prosperity nothing is required but to secure safe communication with Baghdad and Aleppo. The Tigris cannot be used as a means of transport so high up as Diyar-Bekr, but rafts of timber are sometimes floated down from the mountains above the town. The streets of Diyar-Bekr are well built and well paved, but narrow, as in most hot climates. The houses gencrally are built in their lower stories with black basalt and in the upper with dark-coloured brick. The principsl buildings are the 20 mosques; 15 khans, the bazaars, 20 baths, and the citadel, built on the highest part of the rock above the river in the north-east part of the town, in which the pasha formerly resided. The citadel is now in ruins; its site commands a most extcnsive view, including the Karajah-Dagh to the west, the Moosh-Dagh to the north, the plain of the Upper Tigris, the Mardin hills to the south-east, and the plain of Urfah on the south. [Armenia.] The climate is very hot in summer ; in winter it is delightful.

Diyar-Bekr occupies tho site of the ancient Amida, which is said to have been of great antiquity. The Tnrks still call Diyar-Bekr by the name of Kara Amid, or Black Amid, in allusion to the material of which it is built. Amida was enlarged and strengthened by the emperor Constantins, in whose reign it was taken by Sapor, the Persian king, in 359. The Persiaus again took it under their king Cabades, 502 ; but the Romans soon recovered it again, and Justinian repaired the walls sud fortifications. The town was pillaged and burnt by Tamerlane, 1393. The kings of Persia in after times frequently rendered themselves masters of it. Sultan Selim took it from Shah Ismael, and made it the capital of a province in 1515. The Persians again held it for several years subsequent to 1605 .
Diyar-Bekr was formerly the name of an extensive pashalic or province of Turkey in Asia, comprising the basin of the Upper Tigris, and stretching from the Enphrates to the mountains of Kurdistan, between $37^{\circ}$ and $39^{\circ} \mathrm{N}$. lat. Its principal towns were Diyar-Bekr, Mardin, and Urfah or Orfah. The town is now included in the pashalic of Kharput or Erz-Rum, we do not know which. A British consul resides iu Diyar-Bekr.
(London Geog. Journal, vol. vi.; Buckingham, Travels; Ammianus Marccllinus ; Procopius; Gibbon, Decline and Fall.)

DIDCOT. [BERKSMIRE.]
DIE. [DROME.]
DIE, ST. [VOSGES.]
DIEMEN'S LAND. [VAN DIEMEN's LAND.]
DIEPPE, a sea-port and bathing town in France, capital of the second arrondissement in the department of Seine-Iuférieure, is situated on the sonth coast of the English Channel, at the mouth of a small river formed by the junction of the Arques, the Bethune, and the Eaulne, in $49^{\circ} 55^{\prime} 35^{\prime \prime}$ N. lat., $1^{\circ} 4^{\prime} 52^{\prime \prime}$ E. long., and has 16,216 inhabitants within the commune. The town lies N. of Rouen and N.N.W. of Paris, and is 38 miles and 125 miles distant by rallway from these cities respectively.
The towu extends about a milo along the coast, having the harbour at the north-east end, and the castlc, which stands ou a tall chalk cliff and commands the town and the harbour, to the westward. It is regularly built; the streets are wide and well paved with round stones; the houses are picturcsque, built of brick and stonc, with high slanting roofs. The principal street, called the Grand Rue, runs right through the town to the harbour ; it contains the best hotels, and preseuts in the bathing season a bnsy and auimatcd appesrance. There are six Places, or squares, and two intercsting churches, St.-Jacques and St.-Remi. Dieppe has a public library, a theatre, assemblyrooms, and a splendid bathing establishment; 68 fuuntains adorn the streets, which are supplied by an aqueduct 3 miles long. The castle is an irregular pile of considerable extent. The town walls sre yet standing, but Dieppe is not a fortress. The port, which is formed by two jetties and defended by the castle, is sufficiently large and secure, but the entrance is nsrrow ; it admits vessels of 600 tons. There is a lighthouse on the western jetty.
The population of the suburb of Pollet, which hies to the east of the town and is joined to it by a flying bridge, are all engaged in the herring, oyster, and cod fisheries. The quantity of herrings cured has in some years amounted to 36,000 barrels, and of mackerel to 12,000 barrels. There are sugar-refincries, rope-walks, paper-mills, and ship-bnilding yards in the town. Fine linen, lace, and articles of ornament in bone, horn, shell-work, and ivory are made. Wine, brandy, vinegar, salt, nails, iron, steel, millstones, and colonial produce also enter into the commerce of the town. The coasting trade is active. Fishing boats and coasting vessels are built. Steamers ply daily to Brighton in Sussex. The number of vessels of all kinds that eatered and left the harbour in 1852 was 2017, with cargoes amounting to 191,021 tons.

Dieppe has tribunals of first instance and of commerce, a chamber of commerce, a college, and a school of navigation. It is rather a favourite landing-place with tourists between France and England; but in this respect it is far surpassed by Bonlogne and Calais. The railroad to Rouen however still throws a good share of this sourco of profit into the town. The most interesting places in the neighbourhood are an ancicnt camp attributed to Casar, and now called La Cite des Limes; and the ruins of the custlo of Arques, near which Henri IV. defeated the Duke of Mayemue.

In the Dtli century the nito of Dieppe was occupied only by a few fishermen's huts; in the llth ceutury it had increaseal to a small town under the name of Bertheville. Henry 11. of England crectel in 11S3 a enstle at Dieppe, which was demolished by his son Richaml I. In the 16 th century the fishories, and especially the herring fishery, furnished its inhabitants with their chief ocoupation and wealth; their ressels went as far north as Sclienen in Sweden to take the fish, which after euring they exported to the Mediterravean in their own vesels, called 'druggers,' becauso they brought beek from the Levant epices and drugs. In the middle of the 16 th ceutury the Dieppois undertook the expedition in which Canada was discovered, aud in $103 \%$ they formed the first F'rench settlements on the banks of the Senegal. In 1694 the town was bombarded by the English, and with the exception of the arcient church nearly destroyed. After that crent the town wes regularly built.

DIFST. [Brabant, Soutin]
DIEU-LEFFIT. [DROME]
DIEURF [JEURTHE].
DIGNE, the ancient Linic, espital of the department of BassesAlpes, in France, the seat of trihunals of first instance and of commerce, of an agricultural noeiety, communal college, and diocesan seminary, is situatod at the foot of the Alps and at the junction of eeveral brooks with the river or torrent Bleoune, a feeder of the Durance, sbout 00 miles N.E. from Maracille and the same distance E. by N. from Avignon; and has 1119 inhabitants, including the commune. The town stands on a little hill surmounted by a roek on which stands the cathedral and the prison. The cathedral has an iron dome and is a rery conspicuons ubjeet; the prison is girt with strong walla. The streets are narrow, erooked, and dirty; and the houses are generally ill-built The principal structures are the residence of the prefect of the department, the bishop's palace, the courthonse, the college, the seminary, and the barracks. At the foot of the hill there is a well-built suburb named Gassardi, whieh is planted with fine plane-trees, and adorned with waterworks and a handsome fountain. There aro remains of old buildings of the age of Charlemsgne near the town; among others the ruins of an old cathedral. The town has no manufactures of any importance; but there is some trade in dried fruits and preserves, elover and hemp seeds, honey, wax, wool, hemp, goatskins, de. Digne has been always famous for its hot springs and baths, which are about a mile from the town, and are frequented from May to September.

Of Dinia, which was (according to Pliny, iii. 4,) the capital of two Inal pine tribes, the Bodiontici and the Avautici, there are no remains. It was entirely destroyed in the invasion of the barbarians. The city early embraced Christiauity, and hasgiven title to a bishopsince A.D. 310. On its destruction by the barbarians the inhabitants fled to a neighbouring height whero they laid the foundation of the present town. Digne was frequently sacked during the religious wars of the 16 th century. It had a population of 10,000 in 1029 , in which year a plague reduced the number to 1500 . The diocese of Digne comprises the department of Lusses-Alpes; the bishop is a suffragan of the archbishop of Aix.

## DIGOIN. [SAOSE-ET-LOIRE]

DIJON, capital formerly of the duehy of Bourgognc, now of the department of Cote-d'Or in France, is situnted on the right hank of the Ouche, a tributary of the Sadne, at the distance of 102 miles in a direct line, $195^{5}$ milca by railway S.F. from Paris, in $47^{\circ} 19^{\prime} 19^{\prime \prime}$ N. lat., $5^{\circ} 2^{\prime} 10^{\prime \prime}$ E. long., and has 28,998 inhabitants including the commune.

Dijon existed, during the loman dominion, under the name of Dibio or Divio. An ancient legend, nttested by Gregory of Tours, relates thant the emperor Aurclian made of Dihio $n$ considerable fortreas. From the dominion of the Romans Dijon jrassed, in the sth century, under that of the Burgundians, and subscquently of the Franks. Under the Carlovingian princes, Dijon was a lordship of the bishops of Langres, who often resided here. In the Dth ecntury it whs under counts of ita own, who held it of tho bishops ns suzerains. In tlie 11 th century the lordship of Dijon was united to the duchy of llonrgogne. In the 12 the ecntury the dukes earsed the city to he rebuilt after it hnal been burned lown, and subsequently bestowed npon It a municipal conatitution. In the 14th century new walls were erecterl, inelosing the lloman town and the grenter part of the suluurbs. Under the dukes of Bourgogne, of the first race, Dijon was erected into a vincounty, hat this came to an end A.D. 1276 , and the rights of the vincount were mubsequently lestowed on the munieipnlity and citizenn The duke of lourgegne, both of the first and second races, unually renided here, and when Louis X1. of Erance took possession of Bourgogne, and entablished the provincial parliament, he fixed its littings in this town.

Vijon in sltuated ln a plain on the castern nide of the Coted'Or hills It is murrounded by walls and by ramparts which arc planted with fine trees. The town in entered by five gates; it is trnversed from north to south by tive Suzon, which flowi in a channel formed nnder the streeta, and joins the Ouche elose to the ramparta. The atreets aro well-built, clean, and cheerful. The housen, which are of freestone, wre only of one or two storiea Of the publle building the mont imponing in the cathedral, which ls dedicated to Sh. Benigne, aud dates from 1291. The structure is a fine ppecimen of the gothie s! gle. The interior in 238 fect long, 85 feet wide, and 02 fect high.

The west front prements the usual triple portals with riels raso window and nlehes over the central door, fankod by two handeome towers; and at the jutersection of the nave and transept aprings up a light and grnceful spino 380 feet high. In this chureli the dukes of Boungogue were inaugurated ; it eentains some handsome monumenta. The elurch of Notre Dane, which was erected in the interval 1282 . 1331, is also a fine gothie edifice, remarkable for the elegaut gallery which runs romad tho nave, transepta, and choir. The apso end behind the high altar is adomed wheh a finely seulptured group representing the Assumption of the Blemed Virgin. The iuterwection of the mave and transcpts is surmounted by a lony tower, which dates from the beginnlng of the 16 th century. The principal square, called Place-d'Armes, is in the form of a horsoshoo and fronts the palace of the dukes of Bourgogne, in which also the parliament of Bourgogue held its sessions. The palace is surmounted by a lofty tower, now used as an observatory, and contains collections of paintinga, seulpturen, antiquities, and natural histery, and also a libmry of 40,000 voiumes. Amoug the other noteworthy public structures are the church of St-3lichel, which dates from the begiuning of the 16 th century, with the exception of the two towers and the dome which were completed iu 1667; the chureh of the Chartreuse, in which some of the dukes of Bourgogne are buried ; the court-liouse; the theatre, which is built after the model of that of Bordeaux; the residenec of tho prefeet of the department; the town-house; the general hospital and the orphan asylum of Sainte-Anne.

The manufactures of Dijon are woollen cloth, hosiery, hlankets, wollen and cotton Jarn, leather, rinegar, inustard, and starch; thero are also brandy dintilleries, salt refineries, and brewerics, A large trade is carried on in coro, flour, the excellent wine of the Coted'Or, wool, hemp, and wax candles. Dijon is well situated for tralc at the junction of sereral roads; the Canal de Bourgogne passes along the valley of the Ouche, elose to the town, which has communication also by railway with Paris and Lyon. [COTE-D'On.] A chamber of commerce was accorded to Dijou in 1853.

Dijou is the seat of a bishop, whose see is co-extensive with the department of Cote-d'Or. It is also the sent of a university academy and of a high court of justiec, which has jurisdietion over the depart ments of Cote-diOr, Hauto-Marne, and Saóne-et-Loire. In connection with the university there are in Dijon three faculties of Inw, scicnce, and letters, a secondary school of medicine, and a royal college. Tho town also possesses an ceelesiastieal eollege, a botanie garden, and an excellcut sehool of desigu, in which lectures are delivered gratuitously. It is the head-quarters of a subdivision of the 7th Military Division.

Few citien iu France enu vie with Dijon in beauty of site, or in the number and variety of its promenades, the plantations of which form a belt of foliage about the towu. Among the latter are the ramparts, which afford a fine view of the town and the surrounding couutry; the Chemins-Couverts; the Allees-de-la-Retraite on the east sile of the town, formed by four rows of noble lime-trees; the Creux d'liufer aud the Fontaine Suisse, two beautiful fountains surrounded hy fine plautations; the Promenade de l'Arquebuse; and above all the Coure du lare, whleh is nearly a mile in length, divided midway by a spacious circle, and leads to the grent park laid out by Le Notre on the banks of the Ouche.
(Dictionnaire de la Prance; Annuaire pour $C$ A $n$ 1853.)
DILMAN, a towu in l'ersia, is situated on the carnvan route from Tabriz to Erzorum, 70 miles W. from Tabriz, 10 miles W. from the north-west angle of Lake Urumiyeh, and las about 15,000 inhabitants It is situated in the wide and fertile plain of Selmas, which stretelies westward from the lake to the base of the Kurdistan Mountains. The town is surrounded by gardens and orchards, and has elean strects. The plain about it is inhabited by Nestorians, Armenians, Catholice, Kurdish lekn, and Russian emigrants. About 1 miles to the westward is the old town of Dilman, n great portion of which is in ruins. From the number of mounds iu the neighbourhood it seems to have been onee of considemble extent, and it is deseribed by St. Martin an being a very ancient Arneuian eity. (Colonel Sheil, in london Geographical Journal, vol. vi.)

DINAGLil'O'RE, a distriet of Bengal, lying between $25^{\circ}$ and $27^{\circ}$ N. lat., $88^{\circ}$ and $89^{\circ}$ E. long., hounded N. by Itungpoor anci 1'urneagh, F. by IRungpoor and Mymunsingh, S. by Mymunsingh and Rajishahy, and W. by Purncagls and Boglipore. The form of the distriet is triangular, the base being to the south; its greatest length from south to north is 105 miles, aud lts extreme breadth from enst to west is 82 milas. The area is about 2374 square miles: the population in estimator at about $2,500,000$. About seven-tonths of the luhahitants aro Mohnmmednas, and the remainder Hindoos.
Tire principal rivers by which the distriet is intersceted are tho Tecsta, the Mahanandr, and the Korotoyn During the rainy season, which usually sete in about the middle of June, aud lasts for four months, these and many smaller tributary streams admit the passago of boat to almost crery village in the district.

The surface of the country in uadulating, but the greatent inequality of surface does not excoed 100 feet. The soil is generally light, and the principal cultivatlon being riee, the succeas of the harvent depends mainly on the quantity of rain. Hemp, sugar, indigo, and a manall quantity of cotton are also cultivated; the hemp boing grown in
order to prepare from its buds and lcaves an intoxienting drug. The horses aud oxen bred in Dinagepore are of very degenerate kiuds. Tigers, bears, wild buffaloes, and wild hogs are very troublesome to the cultivators of land. Otters and the common porcupine are also numerous. Wild water-fowl of various kinds are seen in large flocks; the common wild gooss is considered good eating. During the periodical inundation of the rice-fields great numbers of small fishes are taken in them, and on the subsidence of the water many are left behind in the mud.

The principal towns are Dinagepore, the capital; Malda, Gour, and Raygunge ; besides which the district contains a great number of villages. Dinagepore, the capital of the district, is situated in $25^{\circ} 37^{\prime}$ N. lat., $88^{\circ} 43^{\prime}$ E. long., about 100 miles N.N.E. from Moorshedabad. The houses are mostly of a mean description; a fow dwellings of European residents are large and commodious. The population of the town is computed at 30,000 .
(Buchanan, Statistical Survey; Parliamentary Papers.)
DINAN. [COTTES-DU-NORD.]
DINANT, a very old town in the province of Namur, about 12 miles S. from the city of Namur, is situated partly on the right bank of the Mense, at the base of a line of limestone cliffs, and partly on some islands in the river. On the cliff a strong citadel and a handsome chapel is built, and winding stairs cut in the rock render the heights accemible to the townsfolk. The population amounts to 5650 . The principal church is distinguished by a bulb-shaped steeple; it is an ancient etrncture, some parts of it dating from the 10 th century; and the interior is richly decorated. The town contains several saltrefineries, four mills for sawing marble, some quarries of which are worked in the neighbonrhood, several grist-mills, paper-mills, breweries, and tanneries. Dinant formerly contained many extensive copper forndries, bnt this branch of industry has almost entircly disappeared. A considerable quantity of gingerbread is made in the town.

In 559 Dinant was enumerated among the possessions of the bishopric of Lidge. In 870 it came into the possession of Charles the Bald. In the 12 th century the town was fortified and considered a place of great strength. In 1466 Dinant was besieged by Philip the Good, and when snmmoned to surrender, the townsfolk hanged the duke's messengers. The duke then prepared to take the town by assault, when it snrrendered and was given up to pillage during three days. On this occasion 800 of the inhabitants were tied back to back and thrown into the Mass; at the same time the town was burnt and its walls levelled to the ground. Charles the Bald a few years afterwards allowed the town to bo rebuilt. In 1554 it was taken and pillaged by the French, and again in 1575 after a siege of eight days. At the trenty of Ryswick it was restored to the Bishop of Liege, but was again taken by the French in the war of the rsvolution, and became the capital of an arrondisssment in the department of Sambre-et-Mense. It was occupied by the allies iu 1813. Dinant is on the high road between Namur and Givet. A railroad is in course of construction from Namur through Dinant to Luxembourg, and will probably be continned thence to Metz.
(Dictionnaire Géographique de la Province de Namur; Handbook̉ for Belgium and the Rhine.)

## DINARIC ALPS. [AUSTRIA.]

DINAS MOWDDY. [MERIONETHSHRE.]
DINGLE, county of Kerry, Ireland, a market and post-town and the seat of a Poor-Law Union, is situated on the north side of Dingle Bay, in $52^{\circ} 8^{\prime}$ N. lat., $10^{\circ} 15^{\prime}$ W. long. ; distant 208 miles S.W. from Dublin. The population of the town in 1851 was 3261 . Dingle PoorLaw Union comprises 19 electoral divisions, with an area of 125,276 acres, and a population in 1851 of, 26,725.

The ancient name was Dangan-I-Cushy, or the fortress of Hussey, an adventurer of English descent, to whom one of the family of Desmond granted the tract of eountry on which the town stands. In the 17 th century Dingle enjoyed a considerable traffic with Spain, from whence large quantities of wines and spices wero annually imported here in return for exports of tanned hides, Irish friezcs, woollen stockings, salt-beef, butter, and salmon. The town was erected into a corporation by Queen Elizabeth in 1585 , at which time it sent members to the Irish Parliament.

The town has an antique appearance. Some of the old houses are in the Spanish taste, with stone balconies, \&c., and several bear date as early as the rsign of Elizabeth. The parish church dedicated to Stu James is said to have been built at the charge of the Spanish who frequented the port; it is now much decayed. The residence of the proprietor, the Knight of Kerry, is the principal modern building, attached to which are somo well-laid-out gardens. A bridewell, a markcthouse, and a small barrack, are the principal buildings of the town.

Tho harbour, a land-locked ersek on the northern side of the great sestuary called Dingle Bay, is capable of floating vessels of 300 tons up to tho town, and is protty well protected from the westerly winds which prevail on this coast. From the difficulty however of distinguishing the entrance, vessels bound for Dingle run a risk in a westerly gale of going to leeward on the dangerous shoals of Castlemain liarbour at the head of the æstuary. The chief trade consists in the export of butter and corn to Liverpool.
(Smith, History of the County of Kerry.)
dingwall. [loss and Cromartybire.]

DIOIS, a district in the former province of Dauphine in France, of which Die was the capital. It now forms the arrondisssment of Die in the department of Drômc. [Drôme.]

DIOMEDES ISLANDS. [BEHRING's Stratt.]
DIOU. [Allier.]
DISMAL SWAMP. [Carolina, North; Virginia.]
DISS, Norfolk, a market-town in the parish of Diss, is situated in $52^{\circ} 22^{\prime}$ N. lat., $1^{\circ} 7^{\prime}$ E. long. ; distant 22 iniles S.S.W. from Norwiob, 86 miles N.E. by N. from London by road, and $94 \frac{1}{2}$ miles by the Eastern Countics and Eastern Union railways. The population of the town in 1851 was 2419. For sanitary purposes the parish is under tho management of a Local Board of Health. The living is a rectory in the archdeaconry of Norfolk and diocese of Norwich.

Diss, anciently Disce or Dice, was held in royal demesne in the reign of Henry I. In the reign of Edward I. it became the property of Robert Fitzwalter. Ihe town of Diss cousists chiefly of three streets, rather irregularly laid ont on an uneven site; many of the houscs are of considerable antiquity. The town is lighted with gas. The river Waveney runs past the town, on the south, and separates here the counties of Norfolk and Suffolk. The parish church is" a spacious edifice of early English date and style, and is built partly of flints. It has been recently thoroughly repaired and reseated. The Wesleyau Methodists, Baptists, Independents, and Unitarians have places of worship. There are hers National schools; a public school for general education; a public library and scientific institution; and a branch savings bank.

Diss is the centre of an extensive agricultural district. The manufacture of coarse hempen cloth for sacking employs some of the inhabitants. There are ssveral breweries in the town and vicinity The market is held weekly on Friday, and there is a cattle fair on November 8th.
(Blomefield, Norfolk; General IIistory of Norfolk; Communication from Diss.)

DITHMARSH (Ditmarskien, Dan.), the most westerly of the four districts of the Danish duchy of Holstein, has the German Ocean for its western boundary and Holsteiu Proper for its eastern, to which last it was united in 1459. On the north the Eidsr separates it from the duchy of Schleswig, and on the south the Elbe divides it from the Hanoverian duchy of Bremen. Its area is about 500 square miles, and its population about 64,000 . It is protected against the inroads of the sea by strong dykes, is very productive in corn, pulse, linseed, \&c., and rears a considerable uumber of cattle. Its subdivisions are the bailiwicks of North and South Dithmarsh. North Dithmarsh has an area of 230 square miles, with a population in 1847 of about 33,500 . Tho principal town is Heyde, in the heart of the bailiwick, which has a spacious market-place, a church, and public school, with about 4000 inhabitants; it is the seat of administration. South Dithmarsh has an area of 275 square miles, with a population of 33,400 in 1847. The chief town is Meldorf, at the mouth of the Miele, which forms a small harbour. It is well built, and was formerly fortified, has a handsome church, a grammar-school, public gardens, and about 2020 inhabitants.

DIXMUDE. [Flanders, West.]
DIZIER, ST. [Marne, Haute.]
DNIEPER, the aucient Borysthenes. From the swampy forest highlands of Volkonsky, on the confines of the Russian governments of Tver and Smolensk rise three great rivers, the Volga, the Düna, and the Dnieper, which form the arteries of the internal navigation of Russia, carrying their waters respectively to the Caspian, the Baltic, and the Black seas, and flowing throughout their whole course within the limits of the Russian empire. Of these the Dnieper rising in the circle of Viasma, in the northern part of Smolensk, flows south to the town of Smolensk, whence it turns west as far as Orcha, in the govsrnment of Mohilev; here it resumes a southern courss, and after running for several miles through that government, it reaches the boundary and divides Mohilev from Minsk. In this part of its courss it is increased by many tributary streams, the chief of which are the Droutz, tho Soj, and tho Berezina, which last is united to the Düna hy means of a canal. [Düna.] After forming the boundary between the governments of Minsk and Czernigoff, the Dnieper enters the government of Kiev, where it receives the Pripet (which the King's and Oginski canals connect with the Bug, ths Vistula, and the Niemen), the Desna, the Teterev, and ths Irpen. Soon after its junction with the Dcsna, the Dnieper forms the western limit of the government of Pultava, and turning to tho south-east, it enters that of Ekaterinoslav, having received in this part of its course the Psjol, Vorskia, Orcl, Soula, and other streams. Having passed tho town of Ekaterinoslav, the river runs south for about 60 miles, and in this part of its course forms thirteen rapids which inpede tho navigation for above 40 miles; below the rapids the river flows south-west between the govcruments of Kherson and Taurida, and enters the Black Sca by is wide cmbouchure, through which also the Bog, the ancient IIypanis (which rises in Galicia, and drains the provinces of Podolia and Kherson), pours itself into the same sea. The embouchure is in fact rather a lake or gulf; it extends from Kherson to Oczakoff, about 50 miles, with a breadth of from one to six miles. It is for the most part shallow, and its shores are very unhealthy in summer, during which season salt is gathered from the dried-up swamps.

The entire length of the Dnieper, with its winding", is above 1000 milos; its avernge width is estiunted at 700 paces. Ite hasin comprises fourteen of the finest provinces of Russis, with all of which it has communication by its navigable branchon aud hy canals. Tho Duleper flowa for tho mont part between hinh bniks, the grentost clevation of which ls along the eastern side. The upper part of ts coures is through a marshy forest country, and in the midille aurl lower course it passes over many rocks. The river is narigable almost from its source to its mouth; even the obstructions prosented by the cataracts have been removed by the maguificent hydranlic works of the Rumian govurnment; eeveral of the lodgen of rucks having been cutirely removed, and channcle formed whlch are protectel from wiode by lony diken of granita Produce is generally conveyed down the river to the citien on the Black Sea, but flecte of large harks alno pass annually hy the cauals mentioned (and those that conneot the Diins with the Norn) to lliga aud St. Petersburg. The frelghts consist chiefly of timber, corn, iron, linon, hemp, salt, \&a. Bolow the cataracts upwards of 70 lslands occur, which produce a grape rewombling tho currant; thoy are full of serpents and wild cata.

As the Dnioper flows through more than nino degreos of Iatitude, there is great divernity of climate in various parts of its basin: at Smolensk the waters freeze in November, and coutinue ice-hound uutil April; at liev they are frozen from January to March only. The river abounds in sturgeon, carp, pike, and shad. There aro uridges across it at Smolensk and Kiev, the latter, which is 163 S yards in leagth, and constructed with rafts, is removed about the end of October and replaced in the spring, as it would otherwise be deatroyed on the breaking up of the icc.

Tho root syllablo (Don or Dan) in the names of almost all the great rivers that fow iuto the mouth of the Black Scn-Don (Tan-ais), Dnioper (Dou-iepor), Dniester (Don-iestr). Don-au (Dan-nbe)-is prohably an oll Scythian or Slavic word for 'water.'

DN゙lFSTERR, a river of European Russia, has its source in a amall lake on the northeantern slope of the Carpathian Mountains, in the circle of Sambor, in tho Austrian crownland of Galicia, nenr $49^{\circ} 12^{\prime}$ N. Iat., $23^{\circ}$ E. long. Within Galicia the Dniester receives the Tismenica, Sury, Swica, lomnica, and Bistritza on its right, and the Lipa, Stripa, and Sered on its Ieft bank. Its course is north-casterly from lis source to Sambor, after passing which it pursucs a southeastorly course to Halicz, Mariampol, and Zaleszeykl. Thence it runs in an cast-sontheast direction to Chotym, at tho north-restern extremity of Hemmrabia, where, leaving the Austrinn, it cnters the Rumian territory. At Chotym it receives the l'odhorze, which moparates Galicia from the goverumeut of Podolia, and thence flows between Podolin and Besenrahia, first in an eastern then in a south cantern dircetion, and with many windings to about $42^{\circ} 52^{\prime} \mathrm{N}$. lat., $29^{\circ} 3^{\prime}$ E. long. From this point to lts mouth in the l3lack Sca the conre of the river is south-south-east, the river separating for about 100 zniles of its oonrse the boundary between Bessarahis and the goverament of Kherson. Ite tributarics in Russia are small, and its basin narrow. From Usbitza, where it takes a southern coursc, it pases the towns of Yampol, Duboseari, Bender, aud Tiraspol. It enters the Black Sea by a broad liman, or shore-lake, about 19 miles in length and 5 miles in breadth, but not more than 7 feet in depth, whlch lies hotween Alcrman and Ovidiopol, and communtartes with the Black Sen by the Otchakor aud Tarigrad chanuels, which are separated by a serios of low sandy islanda.
Tho curreut of the Dniester is exccedingly rapid. The navigatlon commences at Halicz, but is interrupted two miles below Yampol by two conviderable falls and reveral wbirlpools; and it does not become free agaln until it reaches Bender. As far as Old Sambor it dows through a deep broat valley, which afterwards expands on its eatern bank lnto an extensive pialn; whilo on its right bank ft is ocemionally ekirtod by offeta from the Carpathian chain, varyiug from 180 to 250 feet in helght. These clovatious accompany its counse as low down as Chotrm, from whlch poiut the river flows through an open fint country. The bed is mudils, aml its whatern, which are turbid and of a yellowinh hue, and ofton broken by masses of rock, are frequently covered with foim. The whole longth of the river is aborut 600 mllem Wood, grain, and other producta are convejel down the Dnienter to Odesis. The prinelphl places at which resiseln lomel and unload are Stria and Buletchl on the Austrian, and Zranctz azd I ubommri on the Rumian adde. The lhaiester abounds in eturgeon Ferodotus (1v. 61), calle the river Tyras; and it was submeqneatly named Dannsiris.

DOAB, a word slynifying 'two waters,' is used in Hindustan to denote any traot of land Incladed between two riverm. Three districta to which the name of Donb in applied are sitmated in the province of labore. One of theae, the Donl or Doabeh larry, Is fnelused between the Itavey and Meyah rivers and contains tho clties of Lahore and Anoritiv; the noconil, the Dosbeh Jallindor, It included between the lheyah and the Sutlej, nud forms the most fortile portion of the lanjab district; the third, the Doabelı Rechena, comprebends the linvoy and the Chinaub. The dintrict lowever to whloh the namo la most commonly appliod in sltuated between the Gonese and the Jurana. This dlotrict baw $1 t 1$ Allababad, whonce it proceods in a north-west direction to tho hully
country in northera Ilindustan, the northera frontier of the district of Saharunpore in the province of Delhl forming its north-wentern boundary. The length of thin tract is more than 500 milea, aud its mean breadth about 55 milas; ite prevailing character is fatnese and unkedness The principal productious are millet and barley, sugar, tobacco, cotton, sud indigo. The Etraw of the millet is very serviceable as provealer for cattle. The temperature of the air in this part of India is liable to suddon and violent alternations; the rage of the thermoneter betweon the norning and afternoon is sometincs 40 degreen In April and Blay, whon the hot winds prevail, the thonnometer often rises hlgher than $120^{\circ}$ in the shade, and at other soanons the temperature at daybreak is sometimes balow the freezing point.

The southers part of the Doab came into the possession of the English in 1801, when it was acqnired from the king of Onde. In 1903 the move northern parb was ceded to the Figglish by Dowlut Roa Scindin. The ropulation is of a vory inixed character, and consists of Jhats, Rajpoots, l'atans, Thugs, and various other tribes, who, previons to the acquisition of the country by the Einglish, had been much addicted to plunder, and dacoity or gang robbery was of frequent occurrence; this has been greatly remolied.

## DOBRRAN. [MEcRlexburo.] <br> doboka. [Tranbylvasia.]

DOBRUDSCHA, a listrict in Enropenn Turkey, forms the nortlseastern part of Bulgaria, and comprises the country north of tho eartheu rampart colled Trajan's Wall, between tho Danahe on the west and north, aud tho Black Sea on the cast. Trajan's Wall leaves the Danube between Rassora and Czermaroda, and runs across to the Black Sen a little south of Kisteuje, a listanee of ahout 35 miles. In its western part the wall skirts a amall stream, the Kara-Su (Blackwater), that connects several small lakes, and enters the Dannbe abdre Czernaroda At the liead of the valley of the KaraSu, near Bourlak, a line of hilln or downs composed chiefly of a poroun limeatone rock runs north and south 161 feet above the level of the Black Sca. Along the coast at Kustenje also there ls an uninterrupted range of low hills aud cliffs, so that it is cortaiu the Danube never had an outlet across the Dobrudscha in this direction. The formation of a caual from Czernavoula to Kustenje has heen long a favourite project; but on the suinmit-lerel, whlch consists of porous limestone, no water cvor rests to feed such a canal if it were cuth Besiden, tho only water communication betwcen these two points that would he of mucl use would he a ship-camal, or, in other words, the opening of a new bed for the Danube; and this tho nature of the ground renters all but phyrically impossible.
The low undulating down rins northward all through the Dobrud scha, fornuing a small watershed between the Dauube aud tho soa; ou tho north it joins a lofty mountainous mase which covers the north of tho district between Baba-Dagh and Matchiv. [13essababla.] On the castern side the Dobrudscha is marshy, and contains sercral lakes. There is a great scarcity of drinkable waterin this district. It contains however many fertile spots, although in the hot senson of the year, like all the countries near it, it resombles a desert. In the apring, on the melting of the suows, tho soil is snturnted with wet, aud iu mont parts is conrerted into a sca of mud. The inhahitants are chiefly Bulgarinns, Tartars, and runnway Cossaks, who rear sheep aud butfaloes Eagles, husturds, crancs, wild gecse, partridges, kites, ducks, wild swans, and wild dogs are extrencly numcrous in the Dobrudscha Along the Danube are the fortresses of Ilimova, Matchin, Isaaktcha, and 'I'ulcha. Tulcha stands at the head of the St. Georgo mouth of the Dannhe, which forms part of the boundary betweeu the Dohrudscha and lussil. In tho interior is the town of Baba-Dagh, between the mountalns of that name and Lake Rassein. Kusteajo is a mere rlllage, At the time wo write (April, 185t) the Russians are in possession of the Dobrudscla, and the Turks are posted in atrong force behlud Trajnan's Wall, wbieh they have repaired and strengthencd.

1OCKING, Norfolk, a village and the seat of a Poor-law Union in the parish of Docking, is situated in $52^{\circ} 55^{\prime} \mathrm{N}$. lat., $0^{\circ} 93^{\prime}$ E. Iung., distrut 33 miles N.W. from Norwich, 113 miles N. by lis from London hy road. The population of the parish of Docking in 1851 was 1610. Tho living is a vicarago in the arehdeaconry of Norfoll and diocuse of Norwich. Docklug Poor-Law Union contains 36 parishes and townshipe, with an area of 80,059 acrea, and a populatiou $\ln 1851$ of 18,148. Docklng parish church is chicty of perpendlcular style aud date. The Weslcyan and Primitlvo Methodista have placen of worship. Thero is a Natlomal school. Petty seasions are beld mouthly in the village.
(fineral County History of Norfolk; Communication from Docking.) DODBRIROOK. [DEFONSTIRE.]
DODDISGTON. [Cayuribisimime.]
DODO'NA, the most anciont orncle of Greece, was probalbly situatexl in tho valley of Jonnuina in Fiflrus, but it exact position has never been asccrtained. Colonel loake places it at the south-enst extremity of the lako of Joanninn, near Kastritza, aud there are mauy ramons for belicring that tho Dudomean territory corrcspouled to the ralley at the sonth of that shect of water. It la true that there is no mention of a lake in the ueiglibourhood of the ancient Dodona; bnt it in dencribed as surrounded by marshes, and it is not unlikely that the lake of Joannina may have becu iucreased iu later times from the
catavothra in the country. The temple at Dodona was dedicated to Jupiter, and was of Pelaggian origin. (Homer, 'Iliad,' Ivi. 233; Herod. ii. 52.) Strabo is of opiniou (vii. p. 328) that the priests at this temple were originally men, but that the duties of the office were afterwards performed by three old women. The people who had the management of the templé are called Selli or Helli. The oracles were delivered from an oak (Sophocles, 'Irachin.' 1171) or beech (Hesiod, 'ap. Strabon.' p. 327 ; Sophocles, 'Trach.' 173). The temple at Dodons was entirely destroyed by Dosimachus, the Aitolian prector, B.c. 219 (Polyb. iv. 67), and probably was never restored, for it did not exist in the time of Strabo; but there was a town of the name in the 7 th century A.D., and a bishop of Dodona is mentioned in the council of Ephemus. (Stephanus Byzantinus; Wesseling; Crenzer; Lenke, Northern Greece.)

DOGGERBANK, \& very extensive aandbank in the North Sea, lying between the east coast of England and the west coast of Holland, and situated between the Wellbank and the Broad-fourteen. The western part of the Doggerbank is about twelve leagues east from Flamborough Head, in the East Riding of Yorkshire, whence the bank extends in a direction nearly east-north-aast to within twenty leagues of Jutiand. In some places this bank is twenty leagues broad, but it is contracted towards the east, and terminates nearly in a point. The shoalest part is that nearest the English coast, where it has uino fathoms water, so that it presents no dangers or difficulties to navigators; in other parts the surface rises generally towards the centre; in some places the depth of water is as great as twenty-seven fathoms.

The Doggerbank is a noted station for the cod-fishery, and is mnch frequented by both English and Dutch fishermen. It is also known in history an the scene of an ohatinate naval engagement which took place in the summer of 1781 between the English and Dutch fleets under the respective commands of Admirals Parker and Zontman. The disabled condition of the ships on both sides put an end to the battle, in which neither side could claim a victory.

DOGMAELS, ST. [PRMBROKEAHIRE]
DOL. [ILLE-GT-Vilaine]
DOLCIGNO, or DULCIGNO, a town in Upper Albania, 12 milea W. from Scutari, is situated on the rocky poninsula or cape of Kadili, on the coast of the Arriatic, and has a population of about 6000 . The inhabitants, who were formerly notorious for piracy, are chiefly engaged in the oil-trade of the neighbourhood, and in conveying to Scutari in lighters the cargoes of such coasting-vessels as cannot euter the Bojans, which forms the outlet of the lake of Scutari. This town, or perhaps Dulcigno Vecchie, which is five or six miles more to the north, was anciently called Olcinium. The Illyrians of Olcinium wero also pirates.
UOLE, a town in the department of Jura in Frauce, atands on the right hank of the Douhs, a feeder of the Saone, at a distance of 221 miles S.E. from Paris on the road to Geneva, 28 miles S.F. from Dijon, in $47^{\circ} 5^{\prime} 33^{\prime \prime} \mathrm{N} . \operatorname{lnt}, 5^{\circ} 29^{\prime} 52^{\prime \prime}$ E. long., and has 9913 inhahitanta, including the conmmne. It is pleasantly situated ou the crest and slope of a hill; the streets are rather ateep, but well built, aud ornamented with fountains; and the ncizhbonrhood is prettily laid out in gardens, vineyards, and promenades. The parish church on the Place Royale is a handsome gothic huilding. The ancient tower of Vergy still stands, and is now used as a prison. The other remarkable buildings are-the new prison, the forner Jesuit college, the conrthouse, the musenm, and the bridge over the Doubs. The towa has trihunals of first instance and of commerce, a college, a public library of above 6000 volumes, a museum, a school of desigu, several hospitals, and a theatre. It is well situated for trade on the canal that joins the Rhône and Rhine. Hosiery, tiles and pottery, chemical products, vinegar, nnd beer are manufactured; there are also iron-smelting furbacen supplied with ore from tho neighbouring mines of the Jura, flour-mills, aud establishments for the rearing of sllkworms; corn, flour, wine, wood, charcoal, marble, and iron enter into the commerce of the town. Large quantities of rosen, tulipa, and other flowers are grown in the vicinity. A railway has been projocted from Dijon through Dosle to Salins near the Swiss frontier. A ruined aqueduct and amphiticatre, and some remains of tho old Roman road from Lyon to the Rhine, mark tho place as having heen a Roman station.
The town formerly belonged to the dukes of Burgundy, and is famous for its sieges. In 1435 the inlabitanta gallantly repulsed the Duke of Bonrbon, who wiehed to wrest the place from Mary of Burgundy; but in 1470 the French took it by treachery, massacred the inhahitante, and burnt the town. Of the few buildings that escaped this destruction the tower of Vergy alono till exists. Dolo afterwards came into the hands of the Spaniards with the rest of Franche-Comte, of whioh it was for some time the capital. Charles V. added to the fortifications in 1530 . In 1636 it was fercely but ineffectually besieged by the Prince of Conde; Louis XIV. took it in 1668, and again in 1674, when he demolished the fortifications. By the treaty of Nimeguen the town, together with the whole of Franche-Comte, Was made over to France.
(Dictionnaire de la Prance.)
DOLOELLEX, Merionethshire, North Wales, an assizo and markettown, and the eat of a Poor-Law Union, in the parish of Dolgelley, is situated on the left bank of the river Whion, iu $52^{\circ} 44^{\prime}$ N. lat., $8^{\circ} 52^{\prime}$ W. long. ; distant 18 miles S.W. by S. from Bala, and 208 miles
N.W. by W. from London by road. The population of the town of Dolgelley in 1851 was 2041. The living is a rectory in the archdeaconry of Merioneth and diocesc of Bangor. Dolgelley Poor-Law Union contaias 13 parishes and townships, with an area of 132,270 aeres, and a population in 1851 of 12,909.

The town of Dolgelley is but a poor and mean place, although, when seen from a distance, it presents an agreeahle and interesting appearance. Its beauty is chiefly owing to the picturesque character of the surrounding scenery. Several good houses and shops have been recently built. The parish church is a neat and unpretending structure; it has a large tower. A hnndsome monument has been lately crected to Baron Richards, who was a native of the parish. The Wesleyan and Calvioistic Methodists, Baptists, and Iudependents have places of worship in the town. The Free school founded iu 1665 has an income from endowment of $40 l$. 2 year, and had 20 scholars in 1853. The county hall is a convenient modern structure built of stone, near the river Wnion. The market-place is a low square huilding. Over the river Wnion is a neat stone bridge of 7 arches.

In the town coarse woollen cloths and flannels arc made by weavers in their own houses. The webs are bought by agents, who send them to Liverpool for exportation, or to Shrewsbury for home sale. In the neighbourhood arc fulling-mills and bleaching-grounds. Some business is done ln tanniug aud dressiug lambskins and kidskins for the Worcester market. The summer assizes are held at Dolgelley. Markets are held on Tuesday and Saturday; and there are nine fairs in the course of the year.
(Parry, Cambrian Guide ; Land We Live In, vol. iii.)
DOLLART BAY. [EMs.]
DOLWYDDELLAN. [Caernaryonsibire.]
DOMBES, a principality in Franco in ante-revolutionary timea, consisted of two portions separated from each other by an interveniug part of the district of Bresse, hy which the eastern portion was entiroly surrounded. The western portion was bounded W. by the Saône; S. by the districts of Franc-Lyonnois and Brease ; and N. and E. by Bresse. It is now comprehended in the department of the Ain. Its capital was Tróvoux. Dombes was possessed and governed by sovereigu princas of the house of Bourbou until the year 1762 , when the reigning prince exchanged his principality for the duchy of Gisors in Normandy, and other lands. Dombes was then united to the crown ; but retained its 'parlement,' or civil court, which sat in Trévoux. [Ais.]

## DOMINGO, ST. [Hispaniola.]

DOMINI'CA, one of tho English Antilles, but lyiug between the French islands of Martinique and Guadaloupe : the parallel of $15^{\circ} 18^{\prime}$ N . lat., and tho meridian of $61^{\circ} 24^{\prime} \mathrm{W}$. long. pass through the island. Dominica was discovered by Columhus in 1493, and roceived its name in consequence of its heing first seen on a Suaday. The right of occupancy was long claimed equally hy England, Spain, aud Franco, but the island was virtually a kind of neutral ground until the year 1759, when its possession was assumed by the English, and their right to hold it was formally recognised iu 1763 by the tresty of Paris. In 1778 Dominica was taken by a French squadron uuder the Marquis de Bouill6, but was restored to England at the peace in 1783. In 1805 the island was again attacked by the French fleet under Admiral Villeneuve, but was successfully defeuded by the garrison under Sile George Prevost.
Dominica is 28 miles long and 16 miles broad at the widest pe:t; but its mean hreadth is not more than 9 miles. The area is computed at 260 square miles. The origio of the island is volcanic. Pumicestone, sulphur, and other volcanic productious are found. There aro numerous quarries of a volcanic lava, sufficiently durable for the purpose of ordinary buildings, which are worked for the use of the colony. The surface of the island is mountainons. Morne Diablotin, the highest summit, is 5300 feet above the sea. The valleys are very fertile, and watered by numerous streams. Near the centre of the island, and about 6 miles from the town of Roseau, on the top of a high mountain, is a fresh-water lake, with an area of several acres, and said to be in parts unfathomable. Tho island contains an abundance of large timher-trees of the kinds commonly found in the West India Islands; the trunks of the gum-trees are hollowed out to form canoes. The streams abound with excellent fish, among which are mullets, pike, eels, and cray-fish; the fishery on the coast is also very productive.

The principal produco of Dominica consists of sugar, molasses, rum, ooffee, cocoa, oranges, and cotton. The island is unequally divided into 10 parishes. Roseau, the principal town, is situated on a tongue of land on the south-west side of the island, in $15^{\circ} 19^{\prime} \mathrm{N}$. lat., $61^{\prime \prime} 29^{\prime}$ W. long. It is regularly built, with long and wide paved streets, which intersect each other at right angles. The population is ahout 4000. The roadstead is safe, although the anchorage is far from good, from October to August; but during the hurricane montlis a heavy sea frequently rolls in from the south. Prince Rupert's Bay, on the north-west side of the island, is at all tines safe and commodious.
The populatlon in 1844 was 22,200 . The government consists of a lieutenant-governor, council, and assembly of 20 members. There aro chapels for Episcopalians, Wesleyan Methodista, and Roman Catholics

A boand of oducation lins been recently appointed, and has establislied $\%$ schools, at which there in an attendanee of 005 ehildren. There are also s free schools in Roseau with 285 scholars. Other schools are under the superintendence of the Wenleyan malsaionaries and the Roman Catholie clergy.

The \{mports consist prineipally of plantation atores, cotton, linen, and woollen manufacturen from Iingland; corn, fish, and lumber from the Britioh North American colonies sud the Unitel States, and live stock from the nelghbouring continent of Amorica. The exports are principally coffee, cocos, sugar, rum, and orangea.
(Parliamenary Papers)
DOMPIFRRE [ARLER]
DON, the ancient Tdnais and the Tartar Twna, a river of European IRuwin, rises in the emall lake Ivnnofskoe, in the government of Tula, and thence flows in a general southeouth east direction, through the goveruments of Ryazan, Taubof, and Voronesh, to the towu of Paulorsk, receiviag within these limits the Sosva, the Voronesh, and the Soman Below Paulovak it runs east through the territory of the Don-Cossaks to within about 35 miles of the Volga Repulsed by the mountainous region on the weat baak of that river, the Don then procceds in a routh-western direction to the Ses of Azof, whieln it entera by three months, having received in this part of its course, from the right bank the Donecz, or Donetz, the most conslderable of its tributaries, and from the left bank the Medwiedicza, the Manitsh, and the Sal, the last of which flows from the Caucasian mountsins. The length of its conrse is estimated at about 880 miles. The width varios from 350 to 1200 feet. This river has a slow curreat, aud abounds in ehallow and sand-banks, but has neither falls nor whirlpools. In spring it overflows its banks, and forms broad and unwholesome swamps; it is narigable as high ns 7adonsk on the north-western border of Voronesh, and has depth of water enough from the middle of April to the end of June for large reesels, but is so shallow during the remainder of the sear, that there is scarcely two feet of water on the sand-banks. Its inouths are so much choked with sand as to be unnarigable for any hut fat boats. The waters of the Dou abound in fish. A canal projected hy Peter the Great, and partly executed, is intended to join the Don and the Volga. It commences a little north of $50^{\circ} \mathrm{N}^{\circ}$. lath, in the Ilarlis, which enters the Don near its most eastern point, and is to terminate in the Kamyehenka, $n$ feeder of the Volga, its whole length, including the caualisation of the two rivers, being about 90 miles.

The currents of tho tributaries of the Don are also sluggish, and none of them but the Donecz is navigable. As far as the town of Veroneah the Don flows between fertile hills; but from that point until it strikes the chain of the Volgs, its left bank is skirted bylowlands, and its right by a range of uplands; thence to its conflnence with the Donecz its right hank is ekirted by ehalk hills, aud its left by a continued steppe. The waters of the Don are impregnated with chalk, sud ane muddy, and prejudicial to the health of those who are unused to them. The IIyrgis, which Herodotus meutions as a tributary of the Don, in probably the Donecz

DON-COSSAKS. The territory of the Don-Consaks forms a provinee of South Rusais, lying betreen $47^{\circ}$ and $51^{\circ} 10^{\prime} \mathrm{N}$. latn, $37^{\circ} 20^{\circ}$ and $11^{\circ} 45^{\prime} \mathrm{F}$. long.: and is bounded N . by the governments of Voronesh and Saratov, E. by Astrakhan, S. by Circassin and the Sea of Azof, and W. by the governments of Ekaterinoslay and Voroneah. The area is stated to be 62,270 equare miles, and the population in 1816 amounted to 704,300 .

The general eharacter of the country is that of a plain, in many parte conminting entircly of steppes. The interior is a complete fint, but in the north and along the banks of the Don there are slight elevations, and the south-eastern parts bordering on Lake Bolzkoi are traverned ly low hills. The rest of the conntry, with the cxeeption of the parti lmmediately adjacent to the banks of the larger rivers, is a broad steppe traversed by uumerous aluggish strcamanad abounding in luxuriant paaturage intermixed with tracts of aand. The whole territory does not contain a single forest, and even brushwood is only occanionally found. The northern districte are heat adapted for agrieulture: the mouthern, where the soil is saline and sandy, for grasing On the oteppes are many low artifieial mounds and ancient tumulh, which are supposed, from the features and head-dress of tho rude atone lmagen erected over nome of them, to be of Mongolian origin. Many of tliene tombs have been opened, and found to contain gold and pilrer urns, ringa, bucklem, de.

The ehief river is the Don, which enters the territory on the west from Voroneeh, winds acrose it to the emst to within a few miles of the Volga, and then turulng suddenly round, flows through the eanters and southern dintriet to the Sea of Azof. In its coureo through this goveroment it is jolued by the Medwiedicza, Ilarlia, Eal, Blanith, and meveral minor streamm, all on the left bank. The Doneez, or Little Don, whleh flown outh-eant betwcen Ekaterinoslav and Voroneah and join the Don in the interior of this government, a little cant of Tcherknak, is the mont lmportant tributary on the right bank. A fow miles below Ohd Tcherkank the Don leare the government of the Don-Cownks and traversen an lusulated part of
that of Fiknterinoslav which eneirelen the Ihy of Taganroe, leaving that of Fkaterinoslar which eneirelon the May of Taganrog, leaving
the Dun-Cosakn only two amall stripu of coost on He Sea of Azof. Iicailes theno there are severnl other rivers which diseharge their
watern in to the Sen of Azof, and there are numerous streams in the steppes, of whleh the greater part terminate in marehes, and are dry in summer. The priaeipal lako is the Bolskoi, an enlarged bed of the Mavitsh, about 70 miles long and 9 untles broad, the length of whieh forme for that distance the boundary betwcen the territory of the Don-Comaks and Circrasin. Next to this the most considerable lakes are those of Nowoe and Staroe-Osero, which are coverod in summer with an incruntation of alt from one to two inches in thickness.
The conntry enjoys a mild elimsta. The spring sets in early, and in the summer, which is of loug continuauce, the land is refreshed by frequent showers; the autumn is at times damp and foggy, and tho winter, though elear and not accompanied with much snow, is suvere and attcnded by stormy weather. Tho rivers aro closed by ice from November to Fcbmary. F'ailures of the harveat are rare, but the inhabitants often suffer severely from the ravages of the loeust, which is the scourge of the couutry.
All the north and east of the country is inhabited by the Cosenke of the Don, Calmucks, and Nogay Tartars, who have exehanged the roving life of nomads for the settled habits of the agrieulturiat. The western district lying hetween the Don, the Doncea, and Ekaterinoslar, is iubahited by German colonists, cliefly Mennonites from Pruasia, and is ono of the most prosperons and best eultivated portions of Ruesia The Nogays also have beon compelled to settle In villages and devote themselves to agriculture, the processes of whlch as well as of other common industrial arts, they have learnt from their German neighhours. The Cossaks of the Dou have always been in some degree agriculturists, but their ehief occupation was, and is, cattle breeding; indeed these are the leading employmeuts of the three great divisions of the population. Vast quautities of wheat, the most important artiele of cultivation, are produced, nad largo exports are made at the ports of the Sea of Azof. After wheat, merino wool is the most important product. The Mennonites possess immense floeks of sheep.

Agriculture, cattle-lreeding, fishing, and the cnltivation of the vine constitute the principal oeeupations of the Don-Cossaks. In the lowlands of the north, which lic along the banks of rivers, the soil is very fertile, and produces grain of various kinds, such as ryc, barley, wheat, oats, maize, and buckwhent; also pens, flax, and hemp. But even in the south, fields are found in the heart of the steppes at a distance of 30 uniles and even 40 miles from the Don, with rieh erops of grain upon them.

The vine, the culture of which was introduced among the Cossaks hy Peter the Grent, is eultivated to a considerable extent, and wino of a good quality to the value of 100,0001 a year finds its way to Moscow and other towns in the interior. The Meunonites and Cossaks are allowed to distil hrandy for their own use, which is a great farour in IRussia, where the distillation of spirits is a monopoly of the erown. The former are also excmpt from military service, and appoint their own judges. The settlements of this people are on the left bank of the Moloschna, the right bank of whieh is occupied by Gcrman Lutherams, from Wiirtemberg, Baden, and Switzerlaud, but these do not enjoy the same privileges as the Mcnnonites. Horses are very numerous. The native Cossak horse is small and spare iu flesh, with a thin neck and narrow eroup; he is, on the whole, an illlooking nnimal, but atrong, flect, nad hardy. The poorer Cossaks have cach three or four horses, but many of the Thbunce, or herda, of the wealthicr hreedery, contain I 000 or more. All, with the exeeption of the saddle-horses, are kept on the pasture-grounds throughout the year, and in winter are forced to seek for their food either heneath the snow or from the high reeds on the banks of rivers. Dromodaries are reared by the Calmueks, and thrive well ou the maline plants of the steppes. The ox is used for draught; gonts are bred jrincipnlly by the Calwucks, and are ueed as !caders to the sheep over the steppes. Fish in large quantities are taken in the Don and its tributaries, and along the shores of the Sca of Azof. Honcy and wax to the anount of $300,000 \mathrm{lbz}$ are anmuslly gathened. The exports conaist of horses, cattle, fish, tallow, hides, and skins, the agricultural produce uamed ahove, and niso of caviar and isinglass. Salt is gathered in summer from the craporated lagunes along the sen.

The steppes are not the usual resort of wild animals or of nuch game ; wolves, foxes, marah-cats, dwarf otters, martons, marmoth, jerbons, and hares are occasionally met with. Of wildfowl there aro the steppie-fowl (Otis telrax), water-starling, Muscovy duek, swan, snipe, pelican, and falcon. The prineipal amphiblous auiunals are tortoines. The steppen also breed the Poliah cochineal inseet, of which however no use is rade, the silk worm, and the cantbaridet,

The elicf towns aro-Old Tocherloask; which stands on nn island formed by a braneh of the Don called Alisai, in $47^{\circ} 27^{\prime} \mathrm{N}$. lat., $39^{\circ} 55^{\prime}$ 15 long., and has 15,000 inbabitanta, ehiefly Cosmaks Owing to the inundation of the Ihon, and the unhealthiness of the alto, it was resolved in 1804 to remove to a healthier spot about 4 miles distant, on which Now T'seherkack now stands; but the Cossaks are anidl still to be attached to the old wite. Nero Tacherkask, which in 1810 contnined about 2000 houses and 11,327 iuhabitants, is well haid ont with hrom regular htrecta; the houses are only one story high, most of them of wood. This town is the seat of tho government offlew, and the romidence of the attaman or betman of the Coranks. It has a gymunsium and eight churchon, several schooln, and hospitals.

Perdjausk, on the Sea of Azof, is a still more modern town; it stands on the Moloschna in the district of the Mennonites, and has a population of about 3000 , composed of Italians, Russians, and Greeks. Its port is better than that of Taganrog. The inhahitants are chiefly engaged in the corn trade.
Trades and mechanical pursuits are carried on only in the two chief towns, New and Old Tsckerkask, and the larger stanitzes, or villages; for as the Cossak depends upon himself for the supply of his daily wants, there is consequently little encouragement for the manufacturer and mechanic. The only large manufactures are caviar, way, and isinglass. The exports are sent to Taganrog, which is the chicf mart for the sale of what the country produces; periodical fairs are held in Old and New Tscherkask, \&c.

The territory of the Cossaks is divided into seven notchalstoe, or provinces, namely, 1. Aksai, on the Don, in which are Old Tscherkask and New Tacherkask, the only towus in the country; 2. The First District of the Don, containing the large villages of Troilinskaya, Bistrianskaya, Tsiemlianskaya, \&c.; 3. The Second District of the Don, with the large villages of Tscherskaya and Gelubinskaya; 4. Medwiedicza, with the large villages of Ust-Mestwiedicza, Beresofska, and Ostiofakaya; 5. Koperskye, with the large villages of Urupinskaya, Kotofsknya, and Dobrinskaya; 6. Doneczkaya, with the large villages of Kasanskaya, Luganskaya, and Mikitenska; and 7. Minsk, with the large villages of Grabova and Alexiefkaya

The territory of the Don-Cossaks contains but 2 towns and 120 stanitzes. The villages, many of which have markets, are always placed on the banks of rivers and composed of from 50 to 300 houses, well built, clean, and conveniently arranged, with one or more churches of stone or wood. Some of these stanitzes are large and rescmble towns, and are surrounded by a wall and narrow ditch; the khutors, or stables, stalls, \&c., lie outside of them. The Cossaks, who have been settled in the country since 1569, are gennine Little Russians, and speak pure Russian mixed with occasional provincialisms. They are proverbially hospitable and cheerful, hut violent when excited; and although they consider the plunder of their enemies lawful in war, theft is almost unknown among them. Their mode of life is in general very simple and frugal, and the enjoyment of civil freedom has given them an independence of mind which places them far higher in the social scale than the abject Russian. Their starchines, or nobles, are in general well educated. Their educational establishments, of which they have scveral, are within the jurisdiction of the university of Charkov.

In respect to chnrch matters, this territory forms the diocese or cparchate of New Tscherkask, and contains about 100 churches and several monasteries. Tbe majority of the people are of the RussoCireek Church. The Calmuck are Lamaists, and the Nogay and other Tartars are Mohammedans.

The history and government of the Don-Cossaks is given in the article Cossaks. They are exempt from taxes and crown monopolies, and cnjoy other privileges; in return for which they are bound to furnish a large force of cavalry for the service of tbe emperor. They are governed hy a hetman or attaman, who is now generally a Russian officer ; and every stanitze has its local hetman, who is elected by the inbabitants. The civil and military affairs of the province are managed hy a conncil or chancery presided over by the attaman. The Calmnck are governed by the same laws, and subject to the authority of the attaman. They are equally hound to aerve with their Cossak fellow countrymen, hy whom however they are held in great contempt. They dwell in tents of skins, and are exclusively occupied in reariug cattle, sheep, camels, and especially horses, with which they supply the Ruscian light cavalry.
The Cossaks pay much attention to their dress, which consists of a blue jacket frequently laced with gold and lined with silk, a silk veat and girdle, full wbite trowsers, and black woollen cap, with a large red bag dangling bchind. Tbe females, who are inferior in symmetry of form to the males, have agrecable features, a florid complexion, and fine black eyes. They wear a long falling tunic of cotton or silk partly open in front, and confined by an ornameutal waistband. Beneath this upper garment appear broad trowsers, with which yellow hoots are usually worn. The hair of the unmarried femalo floats in long braided tresses over the shoulder, but when married she conceals it under a cap richly embroidered with gold and pearls. Their dances resemble those of the Iussian gipsies, and are performed hy two persons only, who accompany their movements with lond cries.

DONAGHADEF, county of Down, Ireland, a market and sea-port town in the barony of Ards, is situated in $54^{\circ} 35^{\prime} \mathrm{N}$. Iat., $5^{\circ} 30^{\prime}$ W. long., distant 119 miles N. hy E. from Dublin, 17 miles E. by N. from Pelfast, and 21 miles from Portpatrick, on the opposite coast of Great Britain. The population in 1851 was 2821.

Donaghadeo owes its rise to being the most convenient point of communication between the latest colonists of Ards and tbeir countrymen in Scotland, with whom they carriod on a sufficient traffic to induce the proprietor, the Lord Montgomery, about 1650, to erect a quay 128 yards in length aud from 21 feet to 22 feet broad. The Scottish mails landed here from before 1744, at which time Donagladee cajoyed a large sharo of the imports and exports of tbis part of the country. A ncw pier was constructed a few years hack at the expense
of government. It incloses a hasin of seven acres, and is calculated to hold sixty vessels of tbe larger class. The expense was upwards of $150,000 \mathrm{l}$; the work is executed in the best manner, but it has not proved as serviceable as was anticipated. The town, which consists of two principal streets, is well huilt and airy; it has a considerable export trade in cattle and grain, and a large import of coal. The town is the head-quarters of a fishery district. Some of the female inhabitants are employed in embroidering muslin chiefly for Glasgow manufacturers. Fairs are held in June, July, August, October, and December. There are a handsome cburcb, several cbapels for Presbyterians, and one chapel for Wesleyan Methodists. Petty sessions are held here. The coast-guard have a station at the port.

On the north-east side of the town stands a remarkable artificial mount, or rath, surrounded by a dry fosse from 27 feet to 32 feet broad. The circumference of the mount at the bottom is 480 feet, at the top 219 feet, and its greatest conical height 140 feet. A powder magazine has been built on the summit. From tbe top of the mount Scotland and the Isle of Man are visihle in fair weather. The submarine telegraph, affording a communication between Donaghadee and Portpatrick, on the west coast of Scotland, was hrought into operation on May 23rd, 1853.
(Harris, History of the County of Down; Northern Tourist.)
DONCASTER, West Riding of Yorkshire, a market-town, borough, and the seat of a Poor-Law Union, in the parish of Doncaster, is situated on the right bank of the river Don, on tbe great nortb road wbich passes through the town, in $53^{\circ} 31^{\prime} \mathrm{N}$. lat., $1^{\circ} 8^{\prime} \mathrm{W}$. long., distant 37 miles S. by W. from York, 162 miles N.N.W. from London by road, and 156 miles by the Great Northern railway. The population of tbe borough and township, which are co-extensive, was 12,052 in 1851. The borough is governed by 6 aldermen and 18 councillors, one of whom is mayor. For sanitary purposes the borough is under the management of a Local Board of Healtb. The livings are in the archdeaconry and diocese of York. Doncaster Poor-Law Union contains 54 parishes and townships, with an area of 107,340 acres, and a population in 1851 of 35,269 .

Doncaster was the Danum of Antoninus, and was called Donna Ceastre hy the Saxons, from which its present name is derived. Doncaster is one of the cleanest, most airy, and most beautiful towns in the kingdom. The spproach from London is by a wide and nearly level road, ornamented with ancient elm-trees. The town stands on the Watling-street of the Romans. Coins, urns, aud other Roman remains are occasionally dug up in the vicinity.

Doncaster had its first charter of incorporation from Richard I., the privileges granted by whom were confirmed and enlarged by several of his successors. The town of Doncaster is kept in excellent order, the streets being well paved, aud lighted with gas.
Among the public buildings of Doncaster are the mansion-house, a handsome edifice, which cost ahout $10,000 l$. ; it is used for the meetings of the corporation, for concerts, assemblies, and puhlic meetiugs ; the guildhall, and a covered market-place, both recently finished; and the jail, which has arrangements for the classification of prisoners. A couuty court is held iu the town.
The parish church, dedicated to St. George, was hurnt down in 1850. A handsome subscription has been raised for the purpose of rebuilding the edifice; the first stone of the new building has been recently laid, and the work is now being proceeded witb. Cbrist church was erected some years ago from a bequest of $13,000 l$. left for that purpose by the late John Jarratt, Esq., a native of Doncaster. The spire, 160 feet high, was much injured by lightning in November, 1836. Tbe Independents, Baptists, Wesleyan and Primitive Metbodists, Quakers, Roman Catholics, and Unitarians hare places of worship. Tbe educational establishments of Doncaster are numerous aud well supported. The Grammar school, which has an eudowment of 19l. a year and a voluntary payment from the corporation of $80 l$. a year, had 32 scholars in 1853. There are also National and British schools. The Yorksbire institution for the deaf and dumb is a school of instruction and industry, and is very successfully conducted. Other institutions are the subscription library, the mechanics and apprentices library, and the Lyceum Iiterary and scientific society. A valuable library also belougs to the church, which is accessible to all the inhabitants. There is a savings bank. The public charities are numerous. St. Thomas's hospital, eudowed in 1588 by Thomas Ellis, is an asylum for six "poor and deeayed housckcepers of good name and fame." Quintin Kay's charity of $300 l$. per annum is chiefly devoted to the relief of poor and reduced persons, and to the apprenticing of six poor children to mechanical or handicraft trades. Jarratt's charity is for the relief of six reduced housekeepers. Tbe other charities in Doncaster are the dispensary, the lying-in, clothing, sick, and soup charities.
Doncaster has some iron and brass foundries, sacking and linen manufactories, rope-works, a flax spinning-mill, and manufactories of agricultural machiues. The market is held on Saturday. There are four annual fairs for cattle, horses, sheep, and woollen cloth. A wool market is held weekly, on Saturday, in June and July; also ou the first Saturdays of August, Septemher, and October. The coin market is one of the largest in the kingdom. A covered coru excbange was erecter in 1843. The walks and drives in tbe viciuity of the town, and the pleasing character of the surrounding scenery, render

Doncaster a denimble place for vinitern, Another caume of attmotion in furnished hy the annual races. These are held iu the third wook of Septomber, and continue for fire daya it ia mid that they are a souroe of great emelument to the town, hut this hea been doubted. It is certain that they ano productive of muoh immomality. The racogroand, which in about a mile from the town, is perhape unriralled. The grand stact, a handsomo and commodious ollifice, was erected by the corporation of Dononster. The St. Leger ataken excite great intereat not ouly throughout the klngdom, but in all parts of the world. The muvioipal boly nubseribe largely to the maintenance of the races, under the idea that they tend to the prosperity of the town.

DONEGAL, maritime county of the prorince of Ulster in Ireland, lies botween $54^{\circ} 33^{\prime}$ and $55^{\circ} 22^{\prime} \mathrm{N}$. lat. $6^{\circ} 55^{\circ}$ and $8^{\circ} 48^{\prime} \mathrm{W}$. long.; it is boundea E. and S. on the inland side by prarte of the collutios of Londonderry, Tyrone, Fermanagh, and Leitriu, and S.W., W., and N. by the Atinntio Ocean The grentest length from Inishowen liead on the northeast to Malin Iheg Head (sometimes called Teelis Head) on the south-weat is 85 statnte miles; the greatest hreadth from Fearn 11 ill on the south-east to Hern Ilead on tho north-west is 41 statuto miles. The area, according to the Ordnance Survey of Ireland, comprises 1565 square miles, or $1,103,443$ sares, of which 393,191 mores are arable, 769,587 uncultivated, 7079 in plautations, 479 in towns, and 23,107 under water. The population in 1851 was 255,160.

Surface, IIydrography, Communications.-Donegal forms the northwestern extremity of Ireland. The inland boundary preserver a general dircctiou of south-west hy north-east, nud from Lifford northwand is formed hy the uavigahle river and harbour of Lough Foyle. The maritime boundary is extremely irrogntar, heing deeply indented on the north by the restuarien of Lough Swilly, Mulroy, nnd Sheep Haven, and on the south by Donegal Bay. The whole county is uneven and mountainous, with the exception of the midland distriet extending from tho libertien of Londonderry westward to Letterkenny and Rathmelton, on Lough Swilly, and southward along the Foyle to Lifford and Castle Finn; and some other incousiderable tracts around Ballyabannon and Donegal ou the south and Dunfanaghy and Buncrans on the north. The mountain groups of Donegal, together with tho highlands of Tyrono and Derry, preseut a deeply withdrawa amphitheatre to the northeast incloning the basin of the Foyle. That portion of the mountainous circhit which lies within this county is hrokon only in the north hy the opeuings of Longh Swilly and Malroy Bay; and on the sonth (whero the connecting highlnads of Donegal and Trrone are narrowed between the valloy of the Finn and the Bay of Donegal) by the gap of Barnesmora Slieve Snaght, which rises to a height of 2019 feet in the centre of the peninsula of Ininhowen, forms the extremity of this cbain on the north. Westward from Slieve Snaght, and similarly situated in tho centre of the peninsula of Fauad hetween Lough Swilly and Mulroy Bay, is Koockalla, 1196 feet, hacked in like manner hy Lough Salt Mountain, 1541 feet, between the heard of Mulroy Bay and the low country atretching iuland from Sheop Haven. Westward again from Sheep Maren is Mnckish, $21 y 0$ fect iu height, which slopes down on the north to the promontory of Horn Head; and Carntreena ( 1306 foet), which exteads to the sea at liboody lioreland. Southward from 3uckish metrethes a vast rogion of highlands, which expands towards the weat in wide-extended tracts of bog, interspersed with amall lakes and covered with black heaths down to the mandy bench of the Atlantic: on the east it presents a series of bol 4 continuous ominences orerhanging the basin of the Foyle. The chief cmineuces of the chain are Lirigal and Dooish on the north, tho first 2462 feet in height (the higbent ground in the connty), the second 2143 feet; and Blueatack, 2218 feet, and Silverhill, 1967 feet, hoth on the south. From Bluestack extends a scrice of comsiderahlo elovations wostward, along the northern bouudery of the Bay of Donegal, terminating in tho procipicen of Slievo league and the promoutory of Malin Beg; the harnemore Monntains aweeping eastward continue the chain into Tyrone. This mouutainous trect covern upwarde of 700 square miles. It contain neveral apots of great intercst to tho tourist, such as I.ongh Salt, the prompect from which over IIern liead and Tory Island has been junty celobrated; and Olen Veagh, under the enstern deelivity of Douinh, when diffs of 1000 feet hang for upwards of two miles orer a glem and lake, tho opposite bank being clothed with a matural forest, which is atill the retroat of the red deer.
From the liberties of lmulonderry northward the const of Longh Foyle betweet the mountain of Inlahowot and the sen ls well inhabited and lmprovel. From Inishowen Head, ht the entrance of Lough Foyle, tho coant, whleh from this point la very rocky and [reempitoun, bends north.went to Malin Ilend, the most northern point of this connty and of lreland. The cliffin at Inishowen Head are 813 feet in height; at Bin llead, about lunlf.way between Culdaff and Malin, they rise to the sltitude of 814 foet above the nen. On the Longh Swlly side of the peninmuln the coast ls low, and in many places covered with mand, which the morth-weterly gales heap $11 p$ in immene quastities on all the exposed besches of this const. Lough Swilly extend inland npwarde of 20 milea, and forms a apacions and secure harbour; the avernge broodth is abont a mill and a' half, and the inner beais in completely land-locked; but the vicinity of Lough

Foyle, which sloats remsels of 900 tom up to the hridgo of Derry, rendera Lough swilly of leas lupportance as a harbour. Weatward from Loung swilly the oumst of l'anad, which in peninonlated by the lay of Mulnoy, ia very ruggeal, and in many parta overupread with pand blown in between tho higher points of rook. The lay of Mulroy is eneumbered with aand-bankn and intricato windinga; it extobds inland upwards of 10 milea, and is completely land-locked, beigg acaroely half a quarter of a mile wide at the entrance. The anall penimula of Ronguill, intercepted botween this bay and Sheop Haven, has bean almost obliterated lyy the made whloh liavo boen blown in here within the last contury. On the opprosite whore of Sheep Maven stand Doo Cantle, and tho house and demenue of Ardos, tho most remoto nnd at the same time the most aplendid seat $\ln$ thin quarter of Ulster. Ot a croek of Sbeep Haren is the little porttown of Bunfamaghy, immedintoly under $110 m 11$ cad, which rises north of it to the height of 833 feot, with a cliff to the ocean of 820 feot. In the sound between Horn Head and Hloody Forelaud are the inlanda of Innisboffin, fuishdoony, and Tory Island, which last is at a diatance of S milen from the shore. Tory Luland in $3 \frac{1}{3}$ miles in length, hy half a mile to three-quarters of a mile in broadth, and is inlabited by perhaps the rast primitive race of people in the Uuited Kingdom. The average elevation of the weatern part of the islaud is no moro than from 50 to 60 foot above the level of the sea, and tho want of shelter is felt rery sereruly in those north-westerly galer which set is with auch violeuce on this comst.

From Bloody Foreland south to Nalin Beg Ifead, distance of 40 miles iu a straight line, nothing oan be more desolnte than the appect of the western coast of Douegal. Vast moors utudded with pools of bog water descend to the Atlautlo hetween barren deltas of said, through which each rirer and rivulet of the comst winds ite way to the sea lu winter when these mandy clannela aro overflowed it is impossible to proceed by the cometine, as there are no bridges over any of the larger ntreams north of the village of Glantion. t'he wildeat part of this district is called the Roases, in whlch the village of Dungloe, or Cloghnalca, is the principal place. A great number of inlands lie off this coast, separated from the mainland and from one another by parrow sounds and sand-hanks. Of these eleven are iuhabiter, of which the principal are:-Aranmore, or the north Island of Aran; Rutland, or Innismacdurn; Innisfree, and Owney. The herring fishery was very successfil here ln 1784 and 1785 ; each wiuter's filhing was calculated to hare producod the inhahitants of tho Hosses a sum of 40,000 l. They loaded with herrings upwards of 300 vessels is each of these rears. These successes induced the government, in coujunction with the Marquis of Conyngham, the proprietor, to expeud a large sum of monej in tho improvemouts neossary to crect A permaucnt fishing atation on the island of Innismacdurn. A small town was huilt aud called Rutland, hut it was scarcely completel when the herriuga began to desert the cuast ; at the aano timo the annds began to accumulate: at present the ikland in nearly half covered with sand, aud the fishing statiou is quite obliterated. Below high-water mark on the const of Iuuinfree grows a narine grass peouliarly sweet and nutritive for cattle, which watch the ebb of the tide and foed upon it at every low water.
The district of the Kosses is separated from the moro reclaimed country about Glanties nad Audara on the south hy the river Qweeharm, the sandy channol of which is from a milo aud a half to a quarter of a mile in hreadth throughout tho last eight miles of its courne, and can ouly bo passed by fording lu dry weather. Weatwand from Ardara the coast is lined with cliffs from 500 to 600 feet in height on the northert side of the great promontory terninated hy Maliu Beg Head. Tho lofticst cliff however on the whole line of const are thone of Slicve Leaguo immedintely east of Maliu Beg, where the helght from the sea to the summit of the shelving rock above ia at one poiut 1984 feet. Kistward from Slieve Lesgue to thu town of Donegal the northern shore of 1)onegal Bay affurds excellent shelter from the north-west gales in noveral succeanivo crock. Of these the harbour of lillybegges is very much the most wheltered and commodious, being the only uue secure from a gale from the weat or tho south-west The harbour of Donegal itecif at the head of the bny la sufficieutly good for a much more hnsy traling place; muld 10 miles S . from it is the cmbouchure of the mavigable river Erne, which flown from Lough kirne through lhally dianou. IRonnd the hear of Donegal Ilay from killybeggs to Bundoran cultivatlou extends more or less up all the euwand declivities: the neighbourhood of Ballyahamon is well inurgoved; nud north-cast from the town of Donegal a good tract of arahlo land atretches inland to the picturesque Inke of loough Eask and the Gap of llarmesmore, where a monntain defile of thu mont romatio character, abont seven miles in length, conuects it with the south-western extrenuity of the district of the Foyle.

The Firn, which ls the chief feeder of the Foyle on thll side, issues from a lake of 438 fect aboro the levol of the sea, situated in the centre of the monntain chaln extonding south of Lirigal, aud after a course of about 30 milen enatward joins the Foylo at Lifford bridge, 8 miles below Castlefinn, where it is navigable for boats of 14 torss. Other feelers of the Foylo out of Donegal are:-tho Derg, which comen from Lough. Derg, in the south-castern extremity of the county of Donegal, and joins the main stron in Tyrone; the Deelc, which
las a course nearly parallel to ths Finn, sud descends upwrrds of 800 feet in its courss from Lough Deels to the Foyle, which it joins a mils below Lifford; and the Swilly bnrn or brook, which passes by Raphoe, snd is navigable for a few miles abovs its junction. Lough Derg is about $2 \frac{1}{2}$ miles wids each way, and surrounded on all sides except the south by steep snd barren mountains: it is 467 feet abovs the level of ths sea, and its greatest depth is 75 feet. This lske is subject to violsut gusts of wind. It abounds in excellent trout. The Swilly River, although it has a course of little more than 15 miles, brings down s good body of water through Letterkenvy to Lough Swilly. The Lcannan River, which likewise flows into Lough Swilly by Rathmelton, is a cousiderabls stream, as is also the Lackagh, which discharges ths witers of ths lakes of Gartan, Lough Veagh, Lough Sslt, and Glen Lough iuto Sheep Haven. The witers of Lough Salt, which is perhaps the deepest pool in Ireland, descend 731 feet in a course of little mors than thres miles to Glen Lough. Of the rivers of the western course the chief is ths Gweebarra, alrcady mentioned: of a similar character is the Gweedore, which separates the Rosses on ths north from the district of Clughauealy. The Owenea, which flows throngh Ardara, is the only other considerable river on this coast; the minor stream issuing from small lakes and the torreuts which descend from the moors in winter are almost innumerable.

Ths general direction of all the valleys which intersect the highlands of Donegal is north-east and south-west, and this natural disponition marks out the three chief lines of mountain road; namely, from Ballyshannon and Donegal to Lifford and Londonderry, through the Gap of Barnesmore ; from Ardara to Lifford and Letterkenny, by the head of the Finn; and from Dunfanaghy and the cultivated country about Sheep Haven into the Rosses, by the passes between Dooish and Erigal. These latter roads are littls freouented, so that west of Enniskillen the Gap of Barnesmore is the only ordinary communication between Connaught and Ulster. The district along the Foyle and ronnd the head of Lough Swilly is as well supplied with means of communication by land and water as any other part of Ireland. Throughout the county the roads ars good.

Geolory, Mineralogy, d.c. - The Floetz limestone field, which occupies the central plain of Ireland, extends over the borders of this county from Bundoran, where the limestone cliff rises to the height of 100 feet over the Atlantic, 10 miles north-east to Balliutra, where the extreme edge of the stratum is perforated by a subterraneous river. Limestone gravel is also found along the flauks of the primitive district as far as some milos north of Donsgal town, and to the presence of this valuable substance may be chiefly attributsd the cultivation which distlnguishes this part of the oounty from the sterile tract that separates it from the basin of the Foyle. From the mountains of Baracsmore, north, the whols formation of this connty, with the exception of ths transition tract along the basin of the Foyls, is primitive.

The prevalent rocks are granits and mica-slate, passing into gueiss, quartz-slate, and clay-slate. The granite is a cosree granular sieuite, the detritus of which gives a strong reddish tings to ths eands washed down by the streams that traverse it. It occurs supporting flanks of mics-slate along the whols lins of mountains from Lough Salt to Darnermore. On the eastern flanks of this range the mica-slate passes into grauwacke, which forms ths snbstratum of the valley of the Foyle: the same rock occurs over the lower parts of Inishowen, and also appears on the southern side of the rangs near Donegal town. Granular limestons is found in beds throughout the wholo mountain district in great quantity and variety of colour, as, among various othar indications, gray at Malin Head; grayish-blue at Lough Salt; fins granular, pearl-white, pesrl-gray, flesh-red, and bright bluish-gray at the marble bill near Muckish; yellowish-white, grayish-white, and rome-red at Ballymore ; pearl-white and pale rose-colour at Dunlewy, undor Erigal ; pearl-gray in extensive beds at the head of the river Finn; snd grayish fine blue at Killybegs. Siliciferous, magnesian, and marly limestone also occur in various parts of the baronies of Inishowen and Raphoe, with a remarkable steatite near Convoy, on the Deelo, which cuts under the knife liko wood, and is used by the country people for the bowls of tobacco-pipes. Beds of greenstone and greonstone-porphyry are sometimes found resting on the deposits of granular limestone, and occasionally on the mica-slats and granits, and the dikes from which these originste may be seeu traversing the primitive rock at Hom Fead and Bloody Foreland. Amoug the rarer minerals occurring in this remarkable regiou are columnar idocrase, malacolithe, epidote, and essonite (cinnamon-stone), from a bed of mica-late in the Rosses, and from the bar of the Gweebarra River; garnet in homblende-slate over the marble of Dunlewy, and cherry-red garnet from Glanties; also plumbsgo from the shore of Ardes; copper Mrites from Horn Head; lead-earth and iron-ochre from Kildrum in Cloghanealy; pearl-white and yellowish-whits porcelain clay from Aranmore Island; potter's-clay from Drumardagh, on Lough Swilly; irnn pyrites from Barnesmore; lead-ore from Finntown, Letterkenny, Glemtogher, aud ysrious other places; and pips-clay from Drumboe, near Stranorlar. The whits marble of Dunlswy, near the mountain Erigal, is stated to be of an cxcellent quality, and its bed very extenaive; it ha been traced over a space of hslf a mile square, and is so finely granular that lt may be ernployed in the nicest works of sculpture. "Its tezture and whiteness," mays Mr. Griffith, "approach more
to those of the Parian than of the Carrara marbls. It is very well known thst perfect blocks of the Carrara marble are procured with great difficulty, and I firmly believe that the marbls of Dunlswy is free from mics, quartz grbins, and other substances interferiug with the chisel, which so frequently disappoint the artists who work upon the marble from Carrsra." A large supply of fine siliceous aand was formerly drawn from the mountain of Muckish by the glass-houses of Belfast, and considerable quantities have beeu exportsd to Dumbarton for the manufacturs of plate and crown glass.

Climate, Soil, Agriculture, dec.-The climste of Donegal is raw snd boisterous, except in the sheltered couutry slong the Foyls. The prevalent winds are from the west and north-west, and they sometimes blow with extreme violence. In a storm on December 4, 1811, H.M. ship Salhander was lost in Lough Swilly. The maws and gills of all the fish cast on shore by the violencs of the storm-cels, cod, haddock, lobsters, \&c.-were filled with sand; from which it would appear that by the furions agitation of the sea the and had become so blended with it that the fish were suffocsted. From the remuins of natural forests in many situations where no timber will at present rise against the north-west blast, it has been inferred that the climate is now more severe than it formerly was, a conjecture which would seem to be corroborated by numerous ruius of churehes and houses, overwhelmed by sand blown in on situations where, had such events been common at the time of their foundstion, no oue would havs ventured to build.
Ths soil of the primitive district is generally cold, moory, and thin. The limestone tract from Ballyshannou to Donegal is covered with a warm friable soil, varying from a deep rich mould to a light-brown gravelly earth. The soil of ths transition district, arising chiefly from ths decomposition of slsty rock, is a light but manageable clay, which is very well adapted for crops of potatoes, flax, oats, and barley, and in some situations, as along the rivers Finn aud Foyls, bears wheat abundautly. In 1851 ths area uuder crops in the county was 227,453 acres, of which 6470 neres grew wheat, 100,882 oats, 10,14 I barley, bere, and rye, 1254 beans aud peas, 34,432 potatoes, 19,595 turnips, and 2036 green crops. The number of holduigs was 32,752. Donegal is not a grazing county: the good land is almost all under tillage; and the grasses of the remainder are geuerally too sour for feeding. The Raphoe and T'yrhugh farming societies originated about A.D. 1800, and have been of service in the encouragement of green crops and nurseries. The principal plantations aro at Ardes and Tyrcallen, a fine seat near Stranorlar. Improvements havs been introduced of late years by various public-spirited proprietors.
Ths linen manufacture is increasing in ths cultivated country about Raphoe and Lifford, and also in the neighbourhood of Ballyshanuon. Bleachgreens are numerous in the neighbourhood of Stranorlar. Strabane, iu the county of Tyrone, within two miles of Lifford, is the principal linen market for ths southern district. Londonderry and Letterkenny are the markets for the district to the north. Burning kelp continues to be a profitable occupation along ths coast. Considerabls numbers of whales have from time to time been taken off this coast ; but this, as well as the herriug-fishery, is now neglected.
There is considerabls fishing in Lough Foyls and at various points around the coast. Turbot, cod, soles, and plaics ars taken in largs numbers; herrings, mackerel, and various other fish ars also largely taken.

The conditiou of the peasantry in the south and west of the county is not much better than that of the wrstched inhabitsnts of northorn Connaught. All the butter and eggs of the poorer farmers go to market to make up the rent, and buttermilk and potatoes constitute their dist.

Donegal is divided into six baronies : Tyrhugh on the south, Bannagh and Boylagh ou the west, Kilmacrenan on the north-west, Inishowen on the north-east, and Raphos on the east and centre. Ballyshannon, Killybegs, and Donegal wers orected into corpora tions in the reign of James I.; thess corporations aro uow extinct. Lifford, which is the assize-town of the county, is goverued by a charter of the 27 th February, 10th James I. Ths vicinity of Strabane has prevented Lifford from increasing: the court-house and county jail constitute the greater part of the town. Tho other towus are Letterkenny, Rathmelton, Buncrama, Ballybofey, and Stranorlair. Dunfanagity, Glenties, and Millford arb seats of Poor-Law Unions. Raphos, in conjunction with Derry, gives nams to a bishop. The places whose names aro printed in smsll capitals will be found described under their respective titles; the other towns and villages claiming notics ars the following :-

Ardara, population 651, occupies a romantic site at the head of Loughros-beg Bay, about 17 miles N.W. from Douegal. Besides the Episcopal church there are here chapels for Romnn Catholics and Wesleysn Methorists. Pctty sessions ars held monthly, and fairs in May, August, and December. Ballintra, 6 miles S. by W. from Donsgal, lies in a very beautiful couutry, but is in itself a poor village: population, 458 in 1851. Six fairs are held in the course of the year. There is a dispenssry. In the neighbourhood are some good villa residences. Ballybofey is a market-town about half a mile from Strnnorlar, of which it is geuerslly considered the market part : population, 985 . Ths town is pleasantly situated on the Finn Rivor, and, with Stranorlar, is the most westerly town in the county, lying
just at the commencement of the wild, ruggel monutain-tmet. The town han very little ernde. In the neighbourhool are some bleaching-ground a The extensive demente of Drumboe adjoins lallybofey. Ballygorman, situated on the penmeule of Malin Heal, is the mot northerly villago in Ireland: popislation of the towuland, 167. Near the village in Maliu Head, the extreme point of the peninsula Buncrana, 14 miles N.N.W. from Londonderry, market and post-town on the right bank of lough Swilly, population 797 , is an agreesble little town, much frequented by summer visitors as a bathing.place. The elurch, which has a fine spire, some Disdenting chapela, the sessions-honse, and infantry burracks, are the ehiof puhlie buildings Flax aud corumills in the vicinity are worked hy waterpower obtained from the Catle and Mill rivuleta. Bnnerana is an inconsiderahle fishingstation. Bnncranm Catle, in the immediate vieinity, was founded by the O'Donnells, the ancient chieftains of the district. Fairs are held on May 9 th and July 2 ith. Carndonagh, or Carn, 20 miles N. by E. from Londonderry, a mmall market-town ou the road from Londonderry to Malin Ifead, popnlation 708, and Inishowen workhouse 647, is a neat, well-built town, with some trade. Castlefinn, population 68\%, is a small marketown, situated on the river Finn, ahout 7 miles S.W. from Lifford. The tide-water flows up to the town. The ralley of the Finn is well cultivated. Manor courts are held here, and there are eeven fairs in the course of the year. Dungloe, 25 miles N.N.W. from Donegal, population 484 , in a small and sequestered village, which, from its being the largest witbin an exteusive and dreary tract of wild country, is a place of some importance. It contains a chureh, a elapel, and police-barmacks. Iarge portions of the surroundiug bogs have been reclaimed by the villagera. Fishing is earried on, hut the bay being shallow the takinge are sman. Killybegs, 15 miles W. from Donegal, is a market and sea-port town: population, 819. The town is irregularly built, and the strects are narrow and inconvenient. The harbour is good, but the exports are few and of little value: at some seasons large numbers of fishing boats resort to the harbour. The market is held on Tuesdny, and there are fairs in January, April, Jnne, August, and Novemher. The towu was formerly callod Callebegge, and is a place of considerable antiquity: it was ercated a borough in the relgn of James II., and sent two members to Parliament, but it has loug heen disfrauchised. Lifford, 13 miles E.N.E from Londondery, is a market and assize-town; it was formerly a parlinmentary borough : population, Including the suburh of Strabne, 570 , and 183 inmates of the jail. It is a very small and poor town, consiating principally of two streets, and is huilt on the river Foyle, formed here hy the junction of the rivers Finn and Mourne. The town has scarcely auy trade, and bears evident marks of decline. The old jail wat used until very lately as a place of confinement for idiots and lunaties; the new jnil is a semicircular building of considerable extent, and is remarkablo for neatness, cleanliness, and good order. The county infirmary is situated here. Lifford gives the title - of viscount to the Hewit family. Mountcharles, 4 miles W. by S. from Donegal, population 44, is situated on the Bay of Donegal, and is built along the summit of a roeky eminence. The Ifall, a small residence of the Marquis of Conyngham, to whom Mounteharles gires the titlo of viscount, is elose to the village. Fairs are beld here monthly. Moville, populstion 776, situated on the west shoro of Lough Fogle, about 20 milen S.E. from Carndonagh, is a pleasaut little watering place. During the summer there is regular communication with Londonderry hy steam-vessels. The neighbourhood is exceedingly pieturesque. There are several ehapels in the town. Petty seasions are held mobthly, and seven frirs are held in the course of the year. J'ettigoe, population 990 , is prettily situated about a mile from the embouchure of the Tarmon into Iough Erne. Beaides the church there are hero chapels for Roman Catholics and Wesleyan Methodiste. Petty semsions are held in the town: there are fairs on the $20 t h$ of each month. Rathmellon, or Ramelton, 25 miles N.E. from Donegal, population 1423 , is a market-town, situated on the right bauk of the siver Leanan, near the place where it falls luto Lough Swilly. The town has a clean and somewhat cheerful appearance. There aro corn-mills, a hrewery, and blenehing.grounds; linen in woven in the woarers' houses. Beniden the ehurch there are I'reabyterian and Methodint chapela. Three annual fairs are lield. The valley of the Leanan in the veighbourhool of Rathmeltou is extremely beautifnl: the river flows through a pieturesque and wellFooded glen, and the heights on either hand are considerably divenified. A fow miles from Rathmelton, on the mame side of Lough Swilly, it the fishing village of hathmullen: population, 639. It is a poor place of one lrregular street. Thers are some ruius of a Carnelite monastory.

The southern part of Donegal, down to the plantation of Ulster, was known an Tyreonnell, and wan the patrimony of the O'Donuella. The thont distinguished of the chicfains of Tyreonnell was Ilugh O'Donnell, surmamed the Red, whowe entrapment hy Sir Johu I'errot, and snheequent Iraprisonment at Dublin as hostage for the gool conduet of hin clan, caused much hontility agalust the govermment of Queen Filizabeth in this part of Ulster. O'lHonnell, after more than three yearm' confinement, escaped, and took an active part in the rebellion of the liarl of Tyrone. In December, 1601, Tyrene and O'Donuell attenpted the relief of Kinale, in which their Spanish auxiliarien were bealeged liy the lord deputy, but owing, it in nald, to
a clispute abont preemence, their amien did not aet in concert, sul a total defeat was the consequenco U'Donnell ther mailed for $S_{l}$ wint, to molieit in permon new nuccours from ['hilip. Aner spendiug a year and a half in fritilless negotiation, be was soized with fever aud died at Valladolid, where he was Interred with royal honoure iu the churel2 of St. Francis. In the meanthne a town had been walled in at Derry by Sir Ifenry Doekwrm, who had also built a castle at Liffurd for the contrel of Tyrconnell. The vleiuity of an Engliah ghrrison proved so unaratiafactory to the proprietor of Inishowen, Sir Calir O'Dogherty that on some vague assuranees of aid from Spain, communicaterl by the exiled earls, he broke into onen revolt May 1st, 1608 , and having surprised Culmore and put the garrieon to the oworl, advauood on Derry next day, which he carried with little resistance and burned to the ground. He then fell hack on Kilmaerenau, and took up a stroug poaition on the roek of Doune, where he held out for fire monthe until he was killed by a Seotch settler, who shot him as he leaned over the edge of the roek. O'Dogherty being thus slain in rehellion aud the exiled earls attriuted of high treason, Donegral, along with five other counties of Ulster, escheated to the crown. On the plantation of Ulster, the distriet about Lifford was allotted to Euglish undertakers, of whom the chief were Sir Ralph Bingley and Sir John Kingamill. In Inishowen Muff was granted to Grocers' Hall. Letterkenny owes its origin to Sir George Marburie, and Rathmelton to Sir William Stewart. There were some few forfoituren among the proprietors of Irish deacent at the time of the Act of Setclement. The forfeitures consequeut on the war of the revolutiou of 1689 did not extend into Donegal. The last historical event eonuected with this county was the capture of the French fleet off Tory Island by Sir John 13. Warren in 1798.

The most remarkable piece of antiquity in Donegal is the Grinnan of Aileach, the palaee of the northem Irish kings from the most remote autiquity down to the 12 th century. It stands on a sruall mountain 802 feet in height, near the head of Lough Swilly. The summit of the mountain, which commands a noble prospect, is surrounded by three concentric ramparts of earth iutermixed with uneemented stones. The approach hy an ancient paved rooul learls through these hy a hollow way to a dun or stone fortress iu the centre. This part of the work consists of a circular wall of Cjelopean architecture, varyiug in breadth from 15 feet to 11 feet 6 inches, and at present about 6 feet high, inelosing an area of 77 feet 6 inches in diameter. The thiekness of this wall is dimiuishod at about 5 feet from the hase ly a terrace oxtending rouud the iuterior, from which there are flights of steps somewhat similar to those at Steague Furt, nnother retnarkable Cyelopean erectiou in the county of Kerry. There was probably a nuccessiou of several such terraces before the upper part of the wall was demolished. Within the thickneas of this wall, opening off the interior, are two galleries, 2 feet 2 inches wide at hottom and 1 foot 11 inclies at top by 5 feet in height, which extend round one-half of the cireumference on each side of the cutrance doorway, with which however they do not communicate: their uee has not been determined. The remains of a suall oblong buildiug of more reeent datc, hut of uncertaiu origiu, oceupy the ceutre. The space contained withln the outer inclosure is about 5 acres; within the second, about 4 aeres; within the third, about 1 aere; and withiu the central building, or eashel, a quarter of an aere. The stones of the wall are generally of about 2 feot iu length, polygonal, not laid in courses, or ehiselled, and without cement of any kind.

The deseriptiou is thus miute, as from an ancient Irish poem puhlished in the first part of the 'Memoir of the Ordnance Survey of Ireland,' and which bears eouelusive interual evidenee of having been written before A.D. 110I, the building of Aileach ("the stone fortress') is attributed with every appearanee of accuracy to Eochy Ollahir, whose reigh in one of the very earliest bistorieal epoehs in lrish Listory. Iu this poem are preserved the namea of the architects, the number of the ramparta, and the oecasiou of the undertaking. Until the publication of the Memoir, the uses and history of this remarkablo edifico wore totally uuknown. It was redueed to its present state of ruin In 1101, hy Murtagh O'Brien, king of Munster, who, in reveuge for the deatruction of Kincora by Donnell Mae Loughlin, king of Cilster, A.D. 1088 , invaded this distriet and caused a stoue of the demolimhed fortreas of Aileach to he breught to Llmeriek for every sack of plunder earried home hy his soldiery. This event was remembered as late as 1509 , wheu the plunder of Thomoud by Hugh O'Donnell was regarded as a just retalintion. Ou Tory Island also are some Cyclopean remniuk, not improbahly connected with the very nncient traditiou of the glass tower mentioned by Nennius. Tory miguifies the 'inland of the tower.' On the same ialand are also a round-tower and the reunins of seven churches and two stone erosecs. Throughout the county are numeroun memorials of St. Columba, or St. Columbkill, the name hy which he is more usually known in lroland. This distinguished asiut, the apontle of the Piets and fonnder of tho Church of loun, was born at Gratan, a enall village south of Kilmacronan, where he founded an ahbey whlch was afterwards rielily endowed hy the O'Donnells. Near Kilmaerenan is the rock of Doune, on whieh the O'Donnell was al ways inaugurated. The remains of the abhey of Donegal still possess juterest for the antiquary, and on the nortly of Gleu Vengh are some very ancient remains of ehurehes. But by much the mont celebmed coclesiantical locality in this county is the

Purgatory of St. Patrick, situated on an island in Lough Derg. The ancient purgatory was in high reputo during the middle ages: the penitent was supposed to pass through ordeals and uudergo temptations similar to those ascribed to the Egyptian mysteries. (See O'Sullivan's 'Hist. Cathol. Hib.,' and Thomas Wright's 'St. Patrick's Pnrgatory.') On St. Patrick's Day, in 1497, the cave and buildings on the island were demolished by order of Pope Alexander VI., but were soon after repaired: they were again razed by Sir James Balfour and Sir William Stewart, who were commissioned for that purpose by the Irish government in 1632. At this time the establishment consisted of an abbot and forty friars, and the daily resort of pilgrims averaged four hundred and fifty. The cave was again opened in the time of James II., and again closed in 1780. At present the Purgatory, which has been a fourth time set up, but on an island at a greater distance from the shore than the two former, draws an immense concourse of the lower orders of Roman Catholics from all parts of Ireland, and many from Great Britain and America every year. The establishment consists during the time of the station (from the 1st of June to the 15th of August), of twenty-four priests: the pilgrims remain there six or nine days: the penances consist of prayer, maceration, fasting, and a vigil of twenty-four hours in a sort of vault called the 'prison.' During the time the pilgrims remain on the island they are not permitted to eat anything but oaten bread and water. Water warmed in a large boiler on the island is given to those who are faint ; this hot water is called 'wine,' and is supposed to possess many virtues. One of the pilgrims whom Mr. Inglis saw here, had her lips covered with blisters from the heat of the 'wine' she had drunk. The number of pilgrims is variouly estimated from 10,000 to 20,000 annually.
The county of Donegal is chiefly in the diocese of Derry and Raphoe, but partly in that of Clogher. The county returns two members to the Imperial Parliament. Quarter Sessions are held at Buncrana, Donegal, Glentiem, Letterkenny, and Lifford. Assizes are held twice a year at Lifford, where there is a county jail: there are bridewells at Donegal, Letterkenny, Lifford, Buncrana, and Glenties. The county infirmary is at Lifford. The district lunatic asylum, to which the county of Donegal sends 85 patients, is at Londonderry. Fever hospitals are at Letterkenny, Rathmelton, and Dunfanaghy, and there are 25 dispensaries in the county. The county is divided into six Poor-Law Unions, and portions of two other Unions. Donegal county is within the military district of Belfast. There are artillery stations at the forts of Rathmullen, Knockalla, Macomish, Dunree, Inch and Ned's Point, on Lough Swilly, and at Greencastle on Lough Foyle. Barracks for infantry are at Ballyshannon and Lifford. The County Constabulary force, numbering 275, officers included, has its head-quarters at Letterkenny. The county is divided into 8 constabulary districta, of which the head-quarters are-Rathmelton, Raphoe, Buncrana, Ballyshannon, Killybegs, Glenties, Dunfanaghy, and Carndonagh. There are 32 stations of the coast-guard, and 18 stations of the revenuo police.
(Statistical Survey of Donegal ; Memoirs of Ordnance Survey of Ireland; Thom, Irish Almanac; Parliamentary Papers, \&c.)
DONEGAL, county of Donegal, Ireland, a market and sea-port town, and the seat of a Poor-Lavy Union, chiefly in the parish of Donegal and barony of Tyrhugh, is situated in $54^{\circ} 8^{\prime} \mathrm{N}$. lat, $8^{\circ} 1^{\prime}$ W. long.; 120 miles N.W. by N. from Dublin. The population in 1851 was 1580. Donegal Poor-Law Union comprises 18 electoral divisions, with an area of 160,158 acres, and a population in 1851 of 33,708 .
Donegal is situated at the mouth of the river Esk, and is surrounded on three sides by lofty hills, while the fourth side is opeu to the sea Besides the parish church, which is a neat edifice, there are chapels for Iloman Catholics, Presbyterians, Independents, and Methodists. There are here a bridewell and a dispensary. Petty sessions are held monthly. A fair is held on the aecond Friday in each month.
The town contains a spacious market-place. A good market-quay, with 9 feet of water, was built some yeara ago at the expense of the Earl of Arran; the harbour has a sufficient depth at low-water for vessels drawing 12 feet. Donegal was incorporated as a borough in the rcign of James I., and sent two members to the Irish Parliament, but at the union the corporation became extinct.
Donegal Castle, a former seat of the O'Donnells, earls of Tyrconnell, is situated close to the river aide, and is still in tolerable preservation; it is now carefully protected from further dilapidation. A monastery for Franciscans was founded here in 1474 ; the ruins are still standing on the shoro below the town. A sulphureous spa of considerable celebrity adjoins the town. The neighbourhood of Donegal is of a very romantic charncter.
(Frascr, Handbook of Ireland; Thom, Irish Almanac.)
DONERAILE. [CORK.]
DO'NGOLA, a province of Upper Nubia, extending southward from $18^{\circ} 30^{\prime}$ N. lat., along the banks of the Nile as far as Korti, about $18^{\circ} \mathrm{N}$. lat., where it borders on the country of the Sheygia A rabs. Tho Nile coming from Sennaar flows in a northern direction through Halfay, Sheudy, and the Barabra country to about $19^{\circ}$ N. lat., $33^{\circ} \mathrm{E}$. . ong., where it suldeuly turns to the south-south-wcst, passing through the Sheygia country. After passing below the rock of Barkal, ${ }^{n s}$ it reaches the town or village of Korti, its course assumes a direction nearly due west, which it continues for about 20 or 30 miles and czoar. Div. vol. II.
then resumes its north direction towards Egypt. The province called Dongola stretches along the banks of the river from Korti first to the westward and then northward, following the bend of the stream to below the island of Argo, where it borders on Dar-Mahass, which last is a distant proviuce of Nubia.

The island of Argo, 30 miles loug and about 7 miles wide at its broadest part, is formed by the rich alluvial deposit of the Nile. It contains several villages, but the population, as in other parts of the country, is too scanty to cultivate all the fertile soil. The chief products of the island-corn, cotton, indigo, and dates-are grown along the margin of the island, the interior being useless without irrigation; indeed such is the deficiency of labour and capital that not more than one-tenth of this magnificent island is uuder cultivation.
The whole length of Dongola is about 150 miles, and its breadth may be considered as extending no farther than the strip of cultivable land on each bank, which varies from 1 to 3 miles in breadth, beyond which is the desert. The left or west bank is the more fertile, the eastern being in most places barren, and the sands of the desert stretching close to the water's edge. The principal town is Marakah, or New Dongola, which stands on the left bank of the Nile, in $19^{\circ} 10^{\prime} 19^{\prime \prime} \mathrm{N}^{\prime}$ lat., $30^{\circ} 22^{\prime} 15^{\prime \prime} \mathrm{E}$. long. It was iu great measure built by the Mamclukes during their possession of the country from 1812 to 1820 , when they were driven away by Ismail, son of the pasha of Egypt. The town is populous, and important for its trade and as a military station. Its exports are chiefly slaves in return for a variety of goods from Cairo. The pasha has an indigo factory in Dongola. Caravans from Kordofan, Khartoum, and Sennaar pass through the town. The bazaar is supplied with coarse calicoes, printed cotton handkerchiefs, rice, sugar, coffee, hardware, shoes, and perfumes, all of which are brought here from Cairo. Agriculturo is much neglected in the vicinity of the town, chiefly in consequence of the difficulty of irrigation. Farther south and on the right bank of the Nile is Dongola Agous, or old Dongola, formerly a considerablo town, but now reduced to about 300 inhabitants. From the prevalence of northerly winds the 'sand of the desert has been heaped up about the houses of Old Dongola, so that many of them are entered from the roof. From the village of $D_{e} b b a h$, a little south of Old Dongola, on the left bank of the Nile, caravans start for Kordofan. Ambukol, another village, is farther south and about a mile from the river. Between this place and New Dongola the land is less waste ou the islands than on the banks. Most of the islands are well cultivated and produce abundant crops, but in consequence of excessive taxation and the government monopolising the sale of most of the products the peasantry are very poor. There is a bazaar at Ambukol ; and dhurra, cattle, sheep, goats, asses, butter, grease, and excellent cotton are sold. At Korti, a few hours eastward of Ambukol, there are bazaars for the sale of cattle, sheep, goats, asses, dates, coarse cotton-cloth, perfumes, grease, \&c.
Dongola was a Christian country till the 14 th century, and Ibn Batuta speaks of it as such. Makrizi in the 15th century describes Dongola as a fertile and rich country with many towns; and Poncet, who in 1698 visited Old Dougola and its king and court, speaks of it as a considerable place. After Poncet's time the Sheygia Arabs desolated Dongola, and reduced it to subjection during a great part of the 18th century. Dongola is now a Beylik dcpendent on the pasha of Egypt ; the bey resides at Marakah, and has jurisdiction also over the country of the Sheygia Arabs, who from being independent have been reduced to abject poverty under the Turkish rule. The natives of Dongola resemble those of Lower Nubia in appearance; they are black but not negroes ; they produce indigo, dhurra, barley, beans, and have sheep, goats, and some large cattle. All the iudigo grown must be sold to the pasha. The fine horses which in Egypt are known by the name of Dongola come chiefly from the Sheygia or Barabra countries. The houses are built of uubaked bricks, made of clay aud chopped straw.
(Waddington and Hanbury, Travels; Caillaud, Travels; Rüppel Macgregor, Commercial Statistics.)
DONINGTON. [Lincolnshire.]
dONINGTON CASTLE. [Leicestershire.]
DONJON, LE. [Allier.]
DONNYBROOK. [DUBLIN, CoUnty of.]
DOON, a lake and river in Ayrshire, Scotland. Loch Doon, which at its nearest extremity is about 15 or 16 miles S.E. from Ayr, derivcs its waters from the neighbouring hills in Kirkcudbright. It is upwards of 7 miles in length, and little more than half a mile broad, and is inclosed by lofty hills, totally destitute of trces, but affording pasturago to sheep. On a small island near its head stauds a timeworm castle, which it is said was a residence of Edward, brother of Robert Brucc. The loch abounds with trout.

The river Doon is formed by the discharge of the water from the loch, which is regulated by sluices. For upwards of a mile, after leaving the loch, the river makes its way through Ncss Glen, a luge gully or raviue in the rocks, which almost appear to lave split asuuder in order to form a coursc for the river. The river pursues a northwesterly course of about 17 miles, and falls into tho Frith of Clydc, nearly 2 niles S. from the town of Ayr. Near its right bauk, about a mile from the sca, stand the remains of Alloway Kirk, and ou a a mile from the sca, stand the remains of Alloway Kirk, 3 D
alighty elerated site, clote to the siver side, is the monnment to Hobert Burna.

DOONGURPORE, a amall principality trihntary to the British, is situated in the district of Bagur and prorince of Gujerat, In a hilly tract, of which rery little is known. The greater part of the inhabilanth of Doongurpore are Bheek, whe are considered to be the aborigines of the country. Some years ago the mja, to preworro his anthority, which was threatened hy the more powerfnl among his sabjects, took some baods of Siodes into his pay, bnt they soon usurped all power, and were provigg dotractive to the country, when the raja sought and obtained the protection of the English, under Whose intervention the country has recovered from the desolate condition to whlch it had been reduced. Its relation to the Company's goverament is now that of a protected and tributary etato. The area of the territory is aboat 1000 eqnare milen; the popalation is about 100,000 ; the revanne abont $10,900 \mathrm{~L}$; the tribute in not to exceed three-eighths of the annual revenne. The town of Doongurporc, the capital, is sitnated in $23^{\circ} 45^{\circ} \mathrm{N}$. lat., $73^{\circ} 40^{\circ} \mathrm{E}$. long.; about 95 miles N.F. from thmedabad. Near thi town is sitnated lake, of which it is suid that lte mounds are constracted with solid hlocks of marhle. DOORNIK. [TOERYAT.]
DORCIIESTEK, the connty town of Dorsetshire, a mnnicipal and parlinmentary borough and market-town, and the seat of a Poor-Law Union, is nitnated in $50^{\circ} 45^{\circ} \mathrm{N}$. $1 \mathrm{aL}, 2^{\circ} 25^{\prime} \mathrm{W}$. long., distant 120 miles S.W. hy W. from London by rosd, and 141 miles by the Iondon and South-Vestern rallway. Tho population of the borough of Dorchester in 1851 was 6394. The horough is governed hy 4 Atlermen and 12 councillore, one of whom is major; nod returns two members to the Imperial Parliament. The livings are rectories in the archdeaconry of Dornet and diocese of Salisbury. Dorchester Poor-Law Union contains 39 parishes and townwhips, with an nea of 64,815 scres, and a popalation tn 1851 of $17,210$.

Dorchester was called by the Romans Durnovaria and Durinum. By the Saxon it wat callet 'Dornceaster,' whence we have the modern name Dorchester. It has also been called 'Villa Regalis,' to dintinguish it from Dorchester $\ln$ Oxfordshire, called "Villa Episoopalia.' Two mints were entablished here by King Athelstan. The town whs nearly destroyed by fire $\ln 1613$; abonf 300 houses, with the churche of the Holy Trinity and All Snintes, wore totally consumed.

Many severe buttles were fonght in the vicinity of Dorcheater between the contending force during the civil war. At the assizes held here on the 3rd of September, 1685 , by Judge Jefferies And four other judges, ont of 30 persons tried on a charge of being implicated in Sonmonth'e rebellion, 29 were fonnd guilty and sentenced to death. The following day 292 persons pleaded guilty, and 80 were ordered for execution. John Totchin, who wrote tho 'Ohservator' in Qneen Anne's time, was sentenced to be whipperl in every town in the counts onee a ycar; but on his petitioning to he hanged as a mitigation of him punishment, he was reprieved and subseqnently pardoned. The manor of Dorchenter han passed through the hands of namerous families. The corporation elaim preacriptiveright, but they have charters of EAwand III., Charles I., and other sovereigns. The assizes and courto of quarter-sesslons for tho county and for the borough are held here. A county conrt is also held. The borongh has returned two members to Parliament siace the 23rd year of the reign of Kius Edward I.

The town of Dorchester is pleamantly situated on a slight elevation ncar the river Frome, and coneists principally of three spacions strecta, which aro pared and lighted. A delightful walk, well shauled, sur ronnde two-thirde of the town. The shire-hall is a plain building of Porthand stone, and is commodiousiy fitted np. The gulldhall, erected in 184\%, is a convenient and handsome huilding in the Elizabethan style. The jall, built in 1705, contains the connty jail, the house of correction, and the penitentinry. Adjoining the town are cavalry barrecka. The terminus of the Southampton and Dorchester railway is is the tomn.

There is a considerahle trade carried on in beer. Butter is also ment hence to the metropolin In the relgns of King Charles I, and Jamen I. eloth wan mannfnctured In Dorchester. The market-lay is Saturiay. There are fniry on Fobruary 14 th, Trinity Mouday, St. John the Baptint'a, and St. Jameis days; the three last are principally for abeep and lambs, for which Dorclienter is cclehrated.

The borougli of Dorchenter ineludes four parinlien-All Sainte, St. Peter's, the IIoly Trinity, and Forlington. St. Peter's church, a apaciou builling in the perpendicular mtyle, contains mome curionn monuments; it foll huilt, and conrinte of a clanicel, nave, nislen, and an emhattled tower 90 feet in helght All Sninta, rebuilt in 1845, In a handmome structure In the decomied atyle. Fordington church is ancieut, and ins a mouth doorway of Intercating character. There and Unltariauk A Free Grammar echool was founderl and eodowed by Mr. Thnman Harly in 1568 . It has an Income from endowment
of 524 . 10 a a gent, with two exhibitionn at either univerity, and two of 52.10 a a Jear, with two exhibitionn at either univervity, and two A schooi of elder date was refonnded $\ln 1623$ by the corporation; the enfowment ls wmall. The nnmber of acholars in 1853 was 60 . There are alm National and Britioh nehools. The connty howital, an
excellent institntion, wa founder in 1841. A county muneum is woll sumtained. Thore are eoveral almulouses and a savinga bauk.

The town was atrongly fortified and entirely surrounded by a wall when in poaseasion of the llomanm, and tho aito where an anciont enstle stood is still called Castio Oroon. The cantle was demolishod, and a priory for Francicoan monke wa constructed out of the materinals in the reign of Edward 11I., near the site of the old castle. The charch of the priory was palled dewn at the Reformation, and the house whe subnequently converted into o Presbyterian meetinghonne.

Tenselated pavements, Roman urna, and a quantity of oolns of the Roman emperor have been dug up In the vicinity of Dorcheuter. Remains of a Roman amphitheatre, of a Roman amp alled Pouudhury, and of a large Britiwh station called Mindon Castlo, are in tho neighbonrhood.
(lutchins, Dorsetshire; Commwnlaction from Dorchester.)

## DORCHESTER [OXTORDSHIRE.]

DORDOGNF, a dopartment iu the south of Franee, named from its principal river the Dordogne, extends from $44^{\circ} 35^{\prime}$ to $45^{\circ} 43^{\prime}$ N. lath, $1^{\circ} 28^{\prime} \mathrm{F}_{5}$ to $0^{\circ} 2^{\prime} \mathrm{W}$. long., and 1 s bounded N. by the department of lanto-Vienne, $\mathrm{F}_{\mathrm{i}}$ hy those of Lot and Corrdze, S. hy Lot-ot Garonne, and W. hy the departments of Gironde, Charente-Inferieuro, and Charento. Its longth from north to sonth in ahout 77 miles, its hreadth from east to west about 69 milos. The ares of the department is 8536 square miles ; in extent of surface it is surpassed hy only two departmenta - Gironde and Landes. The population according to the census of 1851 was 505,789 , which gives 143 inhabitants to a square milc, being 31.71 helow the average per square mile for the whole of France. The department is formed out of the old province of Périgord, with a amall portion of the Limousin and some communes from Angoumeis and Saintonge.
The departmont belongs almont wholly to the basin of the Dordogna Two mountain torrents, the Dor and the Dogne, springing froza the gorges of the Mont-d'Or, in Puy-de-Dome, unite near the villaga of Bains their waters and names to form the Dordegne, which frem this point flows first north and then west for a fow mlles, till it reaches the wentern border of tho department of Puy-de-Dôme, whero it is joined on the right hank by the Chavanon, which rines in tbe sonth of the department of Crouso. Here tuming nearly due sonth it separates for many miles the departments of Puy-de-Dome from Corrèze, and this from Cantal, receiving on cither bank nnmerous streams from the Auvergne Monntains and the mountains of the Limousin. [Castar; Correze.] Crossing in a general south-west direction the sonth-enstorn angle of Correze and the north of Lot, it gains the eastern border of the department of Dordogne, a little belew Souillac, whence it runs almont due west acrose the department to which it gives name, and to ite jumetion with the Garonne near Bourg, in the department of Gironde. The point of land between the two rivers at their junction is called Beo-d'Ambes. The whole length of this river is 250 miles, 182 iniles of which are navigable; vessels of 300 tons go up as far as libourne. The periodical high tide or bore in the Gironde ascends 20 miles above the mouth of the Dordogne. [Bore; Gironde.] Its principal feeders in the lower part of its conrse are-the Veare [Correzze]; the Isle, which flows south from Haute-Vienne as far as Périgueux, whence it turns nearly due went to Coutras; here it is joined on the right bank hy the Dronne, which rises also in IIaute-Vienne, and drains the north-west of the department of Dordogne; little helow Coutras the Isle rnns south, and cuters the Derdogne at Libourne in the depart. ment of Gironde, after a course of 124 milar, heing navignble from Perigucux. The northern nagle of the department belongs to the bamin of the Charente, and in drained by the Bandiat. [Cinariente.] A narrow strip on the southern border is drained by the Dropt, a feeder of the Garonne. Besides theso there are a vast number of amnller streamn, soveral lakes, and cxcellent springs. In all the waters of the department, pike, trout, and eels abound. Some of the spriags form jets, and others liave a periedical ebl and flow.

The narface is hilly; the last wentern slopee of the Limonsin and Auvergne Mountains cover the greater part of it. The ranges aorth of the Dordogue springing from the Limousin rmn generally towards the south-rwest; those south of that river spring from the mountain inmans of Cintal, and urn nearly due west along the southern boundary of the department. Tho lills are generally overgrown with woods, broom, or heath; hut in many places they are bare, rocky, and very atoep. The valleys of the department are long, narrow, and winding; some of them of great beauty and fertility, the slopes of the hilln that close them in being generaliy covered with Fincyards; this ls especially the case with the valleys of the Isle and the Dordognc. The general chnracter of the soil of the uplands is harrennes. The northern portion, which forms the arrondissement of Nontron, conaista almost entirely of high forent-land and irreclaimable moors, the only cover of which is broom and underwood; the chief exception to this is some good grass-land betricen the Bandiat and the Tardoire. In the more central part, which conatitutes the arrondianernent of Periguenx, though the hills are not so high, the soil is siminr, forcsts and moors covering two-thirds of the surface. Rye and buckwheat are almost the ouly cereals grown in theso
districts. The deficiency of corn is supplied by the immense produce of chestnuts, which are used as human food, and also for fattening hogs, a source of great profit to the farmer. The highest land in the department is in the arrondissement of Sarlat, the hills rising to the height of 700 to 800 feet, with sides in some places perpendicular. About Bergerac the hills having subsided, the valley of the Dordogne opens out into an extensive plain, and here maize, wheat, peas, beans, and other farm produce are ahundantly raised. Of the arrondissemeut of Riberac, which is watered by the Dronne, ahout one-third consists of rich heavy wheat land, and the remainder of arid gravelly soil, or hungry barren sand. The vines in this district are trained to crecp along the hranches of elms and waluut-trees, which present a heautiful appearance in the autumn, bending with the weight of the ripe grapeclusters; but by this method, though more grapes are produced, the wine is said not to be so good.

Besides the products already named, truffes (the famous Truffes de Périgord), the best in France, medicinal and aromatic plants are abundant; fruit-trees nre cultivated to a great extent, especially the walnut for making oil. In the forests oak and chestnut are the prevailing trees. The annual produce of wine is $16,940,000$ gallons, one-half of which is used for home consumption, and the rest exported or distilled into brandy and liqueurs; the best kinds are the white wines of the arrondissement of Bergerac. On account of the deficiency of grass-land, horses, cattle, and shcep are not numerous; pigs and goats are; poultry and game are abundant and excellent. Mulen and asses are the conmon beasts of hurden. The climate is generally mild, but the cold on the hills is sometimes very great in winter. Snow sometimes falls, hut seldom lies more than a day or two; winter and spring are rainy; summer is excessively hot in the valleys; tho autumn is very delightful. Violent winds from the north and west are not unusual, and hailstorms often do great harm to tho crops in summer. The department is traversed hy 5 state, 20 departmental, and 55 communal roads. The Paris-Bordeaux railroad runs for a few miles along the left bank of the Dronne, in the extreme west of the department.

Mines of iron, coal, and mangancse are worked; marhle, alabaster, millstones, buildiug and lithographic stones are quarried; lead, antimony, magnesia, slate, fullers' earth, chalk, gypsum, dc are found. There are 59 smelting furnaces and forges for the manufacture of hammered iron and steel; 1413 wind- and water-mills; and 450 establishments of different kinds for the production of coarse woollens, serge, hosiery, brandy, oil, paper, leather, cutlery, \&c. The commerce of the department consists of its iron, wine, hams, truffled turkeys, and leather.

The department contains 2,263,582 acre3, about one-half of which is capablo of cultivation; 222,138 acres are under vine-culture. It is divicled into five arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantors. | Commumes | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Périguenx | 9 | 118 | 110,748 |
| 2. Bergerac - | 13 | 187 | 118,247 |
| 3. Nontron . | 8 | 87 | 88,697 |
| 4. Riberrac | 7 | 93 | 73,177 |
| 3. Sarlat | 10 | 146 | 118,920 |
| Total | 47 | 629 | 305,789 |

1. In the first arrondissement tho chief town, Perigueux, whioh is also the capital of the department, stands on the right bank of the Isle, at a distance of 296 miles from Paris, in $45^{\circ}$ I1' $4^{\prime \prime}$ N. lat., $0^{\circ} 43^{\prime} 29^{\prime \prime}$ E. long., and has 12,488 inhahitants, including the commune. The interior of the town is gloomy; the houses are high, large, and well-built of freestone, hut the streets are so narrow and tortuous, that the height of the houses serves to make them cheerless. The site of the old ramparts is now occupied by two handsome boulevards. The streets of the town present some curiously ornamented houses of the 16 th century. The principal buildings are-the cathodral of St. Front, the former church of the Jesuits, tho town-house, the courthouse, and the hridge over the Isle. Périgueux is tho seat of a bishop, has tribunals of first instance and of commerce, a college, a public library of 16,000 volumes, an hospital, barracks, a theatre, a museum of antiquities, and also a garden of antiquities, in which the various fragments of IRoman sculpture and architecture found in the neighhourhood are arranged in order. It is supplied with water by public fountains, which are fed hy an aqueduct lately completed. There are everal pretty promenades ornamented with statues. The industrial products of the town are paper, woollen-cloths, cutlery, hosiery, brandy, leather, nails, and the celebrated Patés de Périgueux, a confection made of partridges and truftes, which is largely exported ; the town also trades in flour, salt, iron, wood, pork, groceries, poultry, and cattle. The market for pigs held here is the largest in France. Perigueux occupies the site of ancient Vesunna, the capital of the Petrocorii, whose name it subsequently bore. Its importauco in ancieut times is evidenced by its site at the junotion of five Roman roads, and by the remains of a vast amphitheatre, aqueducts, baths, and tevcral temples; but the most remarkable Koman building remaining is the circular tower called La Tour de Vesune, which is
still 67 feet high, 200 feet rouud, and has walls 6 feet thick; it has neither doors nor windows, and the purpose of its erection is unknown.

Among the other towns we give the following: the population throughout is that of the commune-St.-Astier; which was formerly defended by a strong castle, still partly remaining, stands on the Isle, 11 miles W. from Périgueux, and has 2600 inhahitants. Brantôme, on an island in the Dronne, was formerly famous for its Benedictine ahbey. The ahbey church, which dates from the 11 th century, is a very interesting structure. A crypt hollowed out of the rock to the north of the ahhey contains some colossal bas-reliefs. The other remarkable structures are the abbey buildings, which are of vast extent, and the parish church, which dates from the 15 th century, and contains fine specimens of wood carving. The town was formerly fortified, and was the scene of many a foray betweeu the French, Normans, and English: population, 2800 . Pierre de Bourdeilles, commonly called Brantome, was abbot of the ahhey of Brantôme, and wrote his historical memoirs iu it. Excideuil, the hirthplace of Marshal Bugeaud, on the Loue, a feeder of the Isle; Mautefort, 25 miles E. from Périgueux, on a hill, the crest of which is surmounted hy a fine old castle ; Savignac-les-Eglises, on the Isle ; St.-Jean-de-Vergt, 12 miles S. from Périgueux; and Thenon, 17 miles E.S.E. from it, are small places which give uames to cantons.
2. In the second arrondissement, the chief town Bergerac, is situated in a fertile plain on the right bank of the Dordogne, 26 miles S.S.W. from Périgueux, and has 9971 inhahitants, including the commune. It is an ill-huilt place; the streets are narrow winding lanes; some good houses are seen in the market square, and near the hridge across the Dordogne. This hridge (which has five arches), tho theatre, and the puhlic lihrary, are the most remarkahle ohjects in the town, which has also trihunals of first instance and of commerce, a college, and an ecclesiastical school. In the neighhourhood there are several iron-foundries and smelting furnaces. Thu English took Bergerac in A.D. 1345, and fortificd it; they were driven out of it by Louis d'Anjou, but made themselves masters of it a second time, and were not finally dispossessed of it till 1450. It suffered greatly in the religious wars of France, during which it was a stronghold of the Calvinists. The citadel and fortifications were demolished hy Louis XIII. in 1621. Beaumont, on tho crest of a hill above the Couze, a feeder of the Dordogne, originated in a church erected here in 1272. The present town which is of square form, surrounded hy turreted walls with a central square, in which the four principal streets meet at right angles, was huilt by the English when they were masters of Guienne : population, 1835. Eymet, on the left hank of tho Dropt; Lalinde, 12 milcs E. from Bergerao on the Dordogne ; Monpazier, a well-huilt place on the Dropt; and St.-Alvaire, 20 miles E. from Bergerac, aro small places with a little over 1000 inhahitants each.
3. In the third arrondissement, the chief town, Nontron, an ill-built place, prettily situated on the slopes of two hills on the right bank of the Bandiat, has a tribunal of first instance, an hospital, and 3704 inhahitants, who manufacture cutlery and leather, and are employed in the iron and manganese mines and iron-works of the neighhourhood. The town existed in the 8 th century; it was plundered several times hy the Northmen. The English took it in 1420. The Huguenots under Coligni sacked Nontron in 1570, and slew a great number of the inhahitants, who resisted to the last extremity. Jumillac-le-Grand, 20 miles E. from Nontron, on tho left hant of the Isle, has several iron-foundries aud smelting-furnaces, a fine old castle, from which the English were chased hy Duguesclin in 1379, and 3194 inhahitants. Thiviers, an ill-huilt town, 15 miles S.E. from Nontron, stands on a steep hill, has tan-yards, paper-mills, potteries, tile-works, and iron-foundries; it trades in corn, wine, hides, cheese, truffles, \&c., and has a population of 2400. The other cantous are namer from mere villages.
4. In the fourth arrondissement, the chief town, Riberac, stands in a fertile district, on the Dronne, 23 miles W. from Porigueux; it is irregularly built, and has 2942 inhahitants, who trade in corn, linen pigs, and leather. The old castle of the dukes of Turenne is the only interesting structure in the place. A trihunal of first instance is hold here. Newvic, on the left hank of the Isle, has 2254 inhabitants. St.-Aulaye, on the Dronne; Monpont, on the left bauk of the Isle, near which there is a large Roman camp; Mussidan, at the junction of the Crempre with the Isle; and Bourdeilles, on a high rock overhanging the left bank of the Dronne, are the most important of the other towns, each having under 2000 inhabitants.
5. In the fifth arrondissement the chief town is Sarlat, which stands 32 miles S.E. from Périgueux, in a hollow closed in hy steep arid hills, and watered hy the river Sarlat, a small feeder of the Dordogne. The streets are narrow and crooked, the houses old and ill-built, the site gloomy and unhealthy. The town has trihunals of first iustance and of commerce, a college, an ecclesiastical school, and 5800 inhahitants, including the commune. The college, the hospital, and the parish chureh are the hest of the puhlic buildings. A good deal of paper and walnut-oil are made here. Sarlat was formerly a strong place and sustained several sieges, one of which, though directed hy Turenue, was unsuccessful. It is still surrounded by old walls. The hishopric of Sarlat, which was created by Pope John XXII., was
suppreasel after tho first French revolntion. Belris stauds on a hill 18 zuiles S. W. from Sarlat, and lins 2529 inliabitanta, who manufacture naper, leather, hosiery, coarse woollens, and nitholl. The town conaists of a spacions square on tbe crest of the hill, and of ecveral stoop irrogular streets, whicb load into It. Le Bugue, a pretty little town near the conflucuce of the Vezedre and the Doriogne, has 2398 inhabitants, who manufacture woollens and nut-oil, and trade in wino and provisions with Borlenux. There are also near the town at the village of liremont, several lron-fonndries, and one of the largest grottoes in France. S.-Cyprien, S.W. from Sarlat, on the rigbt bank of the Dordogne, stands at tbe foot of a lill bristling with rocks, and at the entrance of a rich valley; it has 2324 inhabitants, and a mucb frequented mineral spring. Montignac, a considerable town on the lezere, whieb here becomes navigable, has 3752 inhabitants ; una hill above it are the remains of a fine old castle, which plased nu important part in the wars with the English in the 1 th cantury: Terrason, higber up the Vesere, stands on the' slope of a step hill on the left bauk of the river, which is passed by a fue bridge of receut erection; the streets nro narrow and steep, but some of the buildings are good : the population is 2S03. Domme, once an impartant fortroas, ou a high hill above the Dordogue aud Fillefranche-de-liders, in the mouth-castern auglo of the department, are the most important of tho other towns, with about 2000 inbabitants each.

The department forms tbe see of the Bishop of Périgueux; it is comprised in the jurisdiction of the lligh Court of Bordeaux, and belongs to the 14th Military Division, of which Bordeaux is headquarters.
(Dictionnaire de la France; Balbi, Geographie; Annuaire pour l'An 1853.)

## DORDIRECHT. [DORT.]

DOLRE-ABBEY, sometimes called ABBEY-DORE, Herofordshire, a village and the seat of a Poor-Law Union in tbe parish of DoreAbbey, is situated on the right bank of the little river Dore, in $51^{\circ} 58^{\prime} \mathrm{N}$. lat., $2^{\circ} 51^{\prime} \mathrm{W}$. long.; 12 miles S.W. from Hereford, aud 135 miles W.N.W. from London. The population of the parish in 1851 was 588 , including 87 inmates of tho Union workhouse. Tho living is a rectory in the archdeaconry and diocese of Hereford. Nore-Abbey Poor-Law Union contains 29 parisbes and townships, with an area of $74,91 \%$ acres, and a population in 1851 of 920 . The village is pleatantly situated, but is a place of little consequeuce. In the reign of Steplien a suonastery for Cistercian mouks was founded here, whence the village received its appellation of Abbey-Dorc. Tho abbey churcb, which now forms the parish churcb, is a spacious and handsome cruciform structure with a masaive tower.

DO1R1S, DORIANN. Doris was a small district of Ancient Grecce, the seat of tbe Dorinus, the most powerful of the IIellonic tribes. It ocenpied the valley of the Pindus (now the Apostolia) between the mnuntain ranges of Otia and Parnassus, lying between $33^{\circ} 30^{\prime}$ aud $33^{\circ} 50^{\circ} \mathrm{N}^{\circ}$. lat., and $22^{\circ} 10^{\prime}$ and $22^{\circ} 40^{\prime} \mathrm{E}$. long., and was bounded N. by Southern Thessaly, IV. by Etolia, S. by Ozolian Locris, and li. by l'hocia The country is a narrow geutly undulating valley, open towards Phocis; and through this valley the Pindus, a tributary of the Ceplissus, flows to join the Intter stream; which it docs after a whort course at no very great distanco from the source of tbe Cephissus. Tho valley itself is tolerably level aud well watered by numerous small streans which swoll the volune of the Pindus; but the mountains on botb sides are lofty, rugged, and precipitous, remlering the winters in the valley loug and serere. The soil is fertile and productive in grain. The valley of the Pindus stands higher than that of tho Cephissns, and is naturally separated from it by the hills whach on either side approach and leave only a uarrow passage for the river. (Lenke's 'Northern Greoce,' ii. 70.) It was in this valley that the four towns whlch formed the Doric Tetmpolis-Erineus, or Dorinm, the principal town, Boium, Cytininm, and Piudus-were situatod. The Dorians did not however coufue themselves to the plain. From various pamages In aucicut writers it is cvideut that they at one time extended acrona Mount EEta to the Gulf of Maliacus, while an Mr. Ciroto has shown ('Histu of Grecce,' L 141) it is probnble that prior to thelr conquest of the Peloponacsus tbey also occupled the country along the northern shores of the Coriuthian Gulf, compriving a large puart of Nitolis, the Ozoline Locris, and l'hocis. In the hintorical period the Dorinas were in ponsesion of the entire castern and mouthern parts of Peloponnenus

Dorin in mid to have boen origiually called Dryopis, from the Dryopen who oceupled the country before its conquest by tbe Dorians. The plain le entered by two mountain passe from the north, oue crosing the catern olde of Meunt Nita, the other a portion of the same rilge farther weat. On tbe south wan an lmportant pans leading from Doris to Amphisa, at the heal of wbich stood tbe commanding military town of Cytinium, the gite of whlch appears to be now occupied by Gravia. The mins of Mariolates, Col. Leako supposes to mark tho sito of Boinm.

The history of Doris proper in of 11 ttle inportance. It submittod to the I'ersians in the lurakion of Xerxes, and Its towns were spared. In the various Aitolian, I'hocisn, and Macedonian ware it suffered greatly. The towns are inentioned as oxisting loy Strabo aud Pliny.

The Ioriama lerive their origin from a mythleal pernonage mamed

Dorne, who is gencrally male the son of IIellen, thnugh he is oleseribed an the non of Xuthus by Buripiden (Ion., 1590). 1lerodntus mentions (1. 52) fire ancocesive migratious of this race. Their first etttoment was in Phthotis, in the thme of Dencalion; the next, under Dorus, in Ifestiecotis, at the foot of Osmand Olympus ; the third, on Mount lindus, after they had been expelled by the Cadmacans from Ilestinootis. lu tbis settlement, snys llerolotus, tboy were called the Macodonian people; and he olsewhere (viii. 43) attributos to the Dorians a Macedonian origin; but there does not appear to havo been any real conuection between tho lorians and the Macedoninus (who, it has been ahown, were of Illyrian extraction: Müller, 'Dor.,' i. p. 2) beyond this vicinity of abods. The fourth settlement of tho Dorians, according to IIerodotus, was in Dryopie, the country noticod above and subsequently known an Doris, or tho Dorian I'etrapolis; and their lest migration wrs to the Peloponnesus. Auother, and most remarkable expedition, not mentioned by Iferolotus, was the voyage of a Dorian colony to Creto, which is stated to havo takeu place while thoy were in their second settlomeut at tho foot of Olympus ("Audrom." apud Strabon, p. 475 D ); and Dorians aro mentioned among tho inhabitants of that island even by llomer ("Od.' xix 174). This early settlement in Creto must uot be confused with the two subsequent expeditious of the Dorians to that islnud, which took place after thoy were well settled iu tbe Peloponuesus, the oue from Laconia under the guidance of Pollis and Delphus, the other from Argolis under Althemenes. The migration of the Dorians to the Pelopouresua wbich is gencrally called 'the return of the descendants of llerculas,' is stated to have occurred 80 years after tbe Trojan war, tbat is, iu B.c. 1104 ('llucyd. j. 12). The origin and naturc of the counection which subsisted between the Heracleida and the Dorinus are involved in inuch obscurity; but we cannot here enter iuto the question.
The Dorinns must have been very inferior in number to the inbabitants of the couutries whicb they conquered; but the superiority of their peculiar tactics ensured tbem an easy rictory in the field, and they appear to have taken all the strong places cither by a long blockade or by some licky surprise; for tbey were altogether unskilled in the art of taking walled towns. The governments which the Doriaus estsblisbed in all the countries which thoy thus invaded and conquered was, as might have been expected, very analogons to that which the Norman invasion introduced into Eingland, namely, an aristocracy of conquest ; for wbile the successful invaders remained ou a footing of equality among themselves, all the old iuhabitants of the conntry were reduced to an iuferior coudition, liko tho Saxons in Luglaud. They were called xeplosko, or 'dwellers rouud about the city;' a unme correspouding exactly to the Pfablbirger, or 'citizens of the I'alisnde,' at Augaburg, who dwelt in tho city suburbs without tho wall of the city; to the 'pale' in Irelaud before the time of James 1.; to tho people of tho contado in Italy ; and to the fauxbourgeois iu France. (Niebuhr, 'Hist of Rome,' i. p. 398, Fing. tr. ; Arnold's 'Thncydides,' i. p. 626; and Borghiui, 'Origine della Citta di Firenze,' p. 280, ed. 1584.) All the members of the one class were gentle, all those of tbe otber class were simple. The constitution of Sparta in particular was an aristocracy of conquest as far ns the velations between the Spartans and Lacedæumoninus wero concerned, while the Spartans themselves lived under a domocracy with two head magistratos, who werc indeed called kings, but possessed very little kiugly power.
One of the most remarkable of the Doric institutions was that of tho Ephori, or Overscors, a body of magistrates who possessed extraordinary privileges. The institution of this office is usually ascribed to Theopompus, the grandson of Charilaus the Proclid; but we agree with Dr. Amold ('Thueyd.' vol. i. 616, aud sce Mitller's 'Dorinns,' ii. 550 , Eng. trans.), in thiukiug tbat the Ephori, wbo were five in uumber, were coeval with the first aettlement of the Dorians in Sparta, and were merely the muicipal magistrates of the five hamlets which composed the city; but that afterwards when the Heracleide began to encroach upou tho privileges of the other Doriaus, aud it would seem in the reign of Theopompus, the Doriaus gained for the liphori an extension of autbority which placed them virtually at the head of the state, although the nominal authority was still left iu the hands of the IIcracleidro. Thus the liphori were popular magistrates as fur as the Dorians themselves wore concerned, and the guardians of their righti, yot in relation to the wepiono they were the oppressive instrusuents of all ovorbearing aristocracy. (Pinto, 'Leg.' iv. 712.) The Ryhori were chosen in the autumu of every year; and the first in rauk gave his unme to the year. Every Spartan without regand to nge or wealch was oligible to the oflico. The lipborl posessed judicial rights, geuerally presiding in causen of great importauce; they held also a censorial office, and wero empowered to fine whom they pleased, and cxact immediate payment of the fine; they could suspend tho functious of any other magistrate, and arrest and bring to trial, or, under certain circumstances, depose cven the kiuga. They presided and put the vote in the publio asomblies, and performed all the functions of sovereignty in recciving and dismissing ombasuies, truating with foreign states, and sending out ruilitary expeditious. "'ho king, when he commanded, was al whys atteuded by two of the Ephori, who exercined a controlling power over hls movements. The usurpatious of the liphori bocame at lengtb almost uubearable, nud they wero nurdered on their seata of justico by Cleomenes 1 . nud their office
nverthrown. It was however subsequently restored, though with diminished powers, and existed under the Romans.

The usual name for a constitution in a Dorian state was an order or regulative principle ( $\kappa \delta \sigma \mu \circ s$ ), and this name appears to have arisen from the circumstance that the attention of the Dorian legislators was principally, if not solely, directed to the establishment of a system of military discipline and to the encouragement of that strict subordination which is the result of it. It was by superior prowess and discipline that the Dorians had acquired their rank, and it was only by a continuance of this superiority that they could hope to maintain themselves in the same position. Accordingly, it was important that while the bulk of the population was occupied as much as possible in agricultural employments, the Dorian aristocracy should enjoy sufficient leisure and have every inducement of religion and amusement to practise those martial exercises in which it was so needful for them to excel. The same occasion for strict discipline may also account for the extraordinary austerity which prevailed in most Dorian communities. The Dorian women enjoyed a degree of consideration unusual among the Greeks. The Syssitia, or common tables, which were established in most Dorian states, were designed to admonish those of the privilcged class that, living as they did in the midst of a conquered but numerous population, they must not consider themselves to have any individual existence, but must live only for the sake of their order ( $\kappa \delta \sigma \mu o s$ ). The Delphian oraclo regulated all the Dorinu law systems.

The Dorians used a peculiar variety of the Greek language known as the Doric dialect. It was spoken in the Dorian Tetrapolis; in the greater part of the Peloponnesus, and in the numerous Dorian colonies. The lyric poets of Greece in general wrote in the Doric di.lect; and the choruses in the Attic plays are written in a kind of Doric. On this dialect the reader may consult, in addition to Mattaire and Gregory of Corinth, who have written on the Greek dialects in general, the excelleut remarks of Müller, 'Dorians'' v. ii. App. VIII. p. 484, Eng. trans.

In addition to the Dorian settlements which have been mentioned, this race sent out many colonies: of these the most important were cstablishod along the south-west coast of Asia Minor and the western const of Greece. Among the more important on this coast were Ambracia, Anactorium, Apollonia, Epidamnus, and Leucas. Rhodes, Cyprus, Corcyra, and Sicily also boasted a Dorian population; Byzantium and Chalcedon were Megarean colonies; and the celebrsted cities, Tarentum and Crotona, in Italy, were founded under the authority of Sparta
(Müller, Dorians; K. F. Hermann, Lehrluch der Griechischen Staatsalterthümer, Eng. trans.; Lachmann,Spartanische Staatsverfassung; Leake, Northern Greece; Dodwell; Smith, Dicl. of Greek and Roman Geography; Thirlwall, Hist. of Greece, vol. i. ; Grote, Hist. of Grecee; Wordisworth, Ereece.)
DORKING, Surrey, a market-town and the seat of a Poor-Law Union in the parish of Dorking, is situated in $51^{\circ} 14^{\prime} \mathrm{N}$. Iat., $0^{\circ} 19^{\prime}$ W. loug. ; distant 12 miles E. by S. from Guildford, 28 miles S. by W. from London by road, and 29 miles by the Readiug branch of the South-Eastern railway. The population of the town of Dorking in 1851 was 3490. The living is a vicarage in the archdeaconry of Surrey and diocese of Winchester. Dorking Poor-Law Union contains eight parishes and townships, with an area of 37,970 acres, and a population in 1851 of 11,362.
Dorking occupies an agreeable and healthy situation in the valley on the eouth side of the North Downs, near the river Mole. The town has a neat aud clean appearance, the streets are well laid out, lighted with gas, and paved. The parish church, a spaoious edifice, rebuilt in 1837, cousists of nave, aisles, transept, and chancel, and has a tower rising from the intersection of the nave and trsnsept; the tower is surmounted with an octagonal spire of considerable height. The Independents, Wesleyan Mcthodists, and Quakers have places of worship. There are National, British, and Infant schools, and a savings bank.

The chief trade of Dorking is in flour, lime, and chalk. Poultry of a peculiar kind is reared for the London market, though less extensively now than formerly. The Dorking fowl is distinguished by having five claws to each foot. The weekly markct is on Thursday; a monthly stock market is held on the second Thursday of the month; an annual fair is held on the day before Holy Thursday. Petty sessions and a county court are held in Dorking. Many Roman coins lase been found in the neighbourhood, including silver coins of Tiberius and Antoninus. In the neighbourhood of Dorking are many handsome mansions, among which is Deepdeue, the residence of Henry Thomas Hope, Esq.
(Manning and Bray, Surrey; Brayley, Surrey.)
DORNOCH. [SUTHERLAND.]
DOLRPAT, or DERPT (in Livonian, Tehrpata), a town in the government of Livonin in Russia, is situated at the foot and on the declivity of a liill on the Embach, a feeder of Lake Peipus, in $58^{\circ} 22^{\prime}$ N. lat., $26^{\circ} 45^{\prime} \mathrm{F}$. . long., 138 miles N.E. from Riga, and 168 miles S.W. from S't. Petcrsburg, and has about 14,000 inhabitants, including the Riga and St. Petersburg suburbs. The river is crossed by a handsome bridgo of grauite of thire masuive arches, and the town, which is ombollished with gardens, forms a semicircle, laid out in straight
brool strects, which are kept very clean, aud adornad with some handsome public buildings of freestone, particularly the government offices and university buildings. The houses, constructed either of bricks or wood, the walls and roofs of which are painted in showy colours, do not in general exceed one story in height. The Domberg Hill, at the north-western extremity of the town, is approached from one of the principal squares, and is laid out in avenues and walks the summit is called Cathedral Place, from its having been the site of a cathedral, which was burned down in 1775 , and is at present the site of an observatory, of the university library, of schools of anatomy and natural history, museums, \&c. The observatory of Dorpat, long presided over by Struve, is one of the most celebrated in Europo Among its excellent astronomical apparatus is a great refracting telescope by Fraunhofer, which was placed here by the Emperor Alexander. In the middle of the 16 th century Dorpat had a cathedral and seven churches within the walls, besides three outside of them. Of the town as it then existed there remains little except the ruins of the old cathedral, the whole city having been almost destroyed in the great fire of 1775 . The ramparts still exist but they are converted into public walks. Internal trade, the navigation of the Embach, and the wants of those who are connected with the university, afford employment to the people of the town. They also hold a large annual fair in January for the sale of Russian and forcign manufac tures. The university was founded in 1632 by Gustavus Adolphus, at a time when Livonia, Esthonia, and Ingria, belonged to the Swedish crown, but was suppressed by Alexis Michaelovitsh in 1656. The Swedes having however recovered possessiou of Livouia, it was re-established in 1690 ; in 1699 they transferred it to Pcrnau, and in December 1802, it was reconstituted by the Emperor Alexander for the benefit of Livonia, Esthonia, and Courland, the nobility of which elect a curator or superintendent, who conjointly with its heads, administers its revenue, which amounts to about 5800l. a year. The university, which is open to students of evcry religious persuasion, but is particularly a Protestant institution, consists of the four faculties of theology, law, medicine, and philosophy; had 45 professors in 1843 , and was attended by about 600 students. It has a librury of nearly 60,000 volumes, and suitable collections for natural and experimental philosophy, mineralogy, zoology, anatomy, and patho$\operatorname{logy}$, \&c. ; a botanical garden, containing above 18,000 plants, a theological and a philological seminary, a gyınuasium, and a training school.

DORSETSHIRE, an Euglish county iucluded between $50^{\circ} 30^{\prime}$ and $51^{\circ} 5^{\prime} \mathrm{N}$. lat., and $1^{\circ} 43^{\prime}$ and $3^{\circ} 7^{\prime} \mathrm{W}$. long. ; is bounded E. by Hampshire, N. -y Wiltshire, N.W. by Somersetshire, and W. by Devonshire: along all its southern borders it is washed by the English Channel. Dorsctshire is for a short distance separated from Hampshire by a rivulet which joins the Avon of Wiltshire and Hainpshire above Christchurch : for a short distance it is separated from Somersetshire by the Ivel or Yeo, aud the brooks that run into it; and in the west it is separated from Somersetshire aud Devonshire by the Axe and some sinall streams that run into that river.
The form of the county is very irregular, and one small part is entirely detached from the rest and inclosed by Devonshire. Its greatest length is from east to west, from Alderholt, near Fordingbridge, in Hampshire, to the western extremity of the detached part, which is inclosed within the boundary of Devonshire, 57 or. 58 miles; but from the irregular course of the houndary, the line joining these two points is not wholly in Dorsetshire. The breadth from north to south varies much; the greatest breadth is from the spot where the river Stour enters Dorsetshire to Portland Bill or Point, 40 miles ; at the eastern extremity, along the Hampshire border, the breadth is 16 miles; at the western extremity, uear Lyme Regis, only 5 miles. The area is 987 square miles; the populatiou in 1851 was 184,207 .

Coast, Bays, and Islands.-At the eastern end of Dorsetshire the coast is precipitous; but the cliffs extend scarcely a mile south-west from the border of Hampshire, and are succeeded by a low sandy tongue of land, running about a mile farther in the samo direction to the narrow entrance of Poole harbour. This bay penetrates 6 miles inland towards the west, and expands to a breadth of 4 or 5 miles. Its outline is very irregular, and it forms several suall bays, as Hole's Bay, Lytchet Bay, Arne Bay, \&c. It receives the Frome, the Piddle, and other streams ; it consists for the most part of banks of mud which are dry at low water, and covered with sea-weod, and are separated from each other by deeper channels. The town of Poole is on a peninsula at the eutrance of Hole's Bay, on the north side of the harbour. There are several islands in Poole harbour ; Brown sea or Brownsey, the largest, which lies near the cutrance of the harbour, is a mile and a half long from east to west, and nearly a mile broad. It is sandy, partly covered with heath, furze, and fern, and partly cultivated or laid out in a plantation. There are on it an old castle and one or two tenements. The water is so shallow it Poole harbour, except in the channels, that only small or lightlyladen boats can pass over the banks, evcu at high water; several of the channels are only sufficient for fishing boats and small craft; the Wareham and Main channcls, the south or Wych channel, and that which leads to the town of Poole, are navigable for larger vessels. The shore round Poole harbour is low, and near whero the Frome falls into it the land is protected from inundation by an embankinent.

From the entrance of Poole harbour a low shore runs southward
nearly $\$$ milen, and then becomes steep, and turns eastwand, forming Stadland Ber, the southera limit of which is Handfast I'oint; it theu runs sbout 1 miles south by west to l'everel Point and Durlston Ilear, thence weat by south 5 miles to St. Aldielm's or St. Alban's Ilead, $\$ 14$ foet higb, and coutinuen in en irregular line west by north 17 or 18 miles to Weymouth Bay, forming aloug the line of coast several small baya,

The shore of Weymouth Bay is low, and extends 2 niles soutb to the towns of Malconabo IRegis and Woymouth; here the eliffs recommence, and run I mile south-west to Sandsfoot Castle, whence a low shore extends 2 miles south by east to Portland Castle, on the peninsula or Isle of I'ortland. The lofty coast of this island takes a circuit of 5 or 8 milen to the Bill of Portland, tho southernmont poiut of the county, and thence above 3 miles northward to the commencement of the Cheail Bank, which connects the uorth-west extrenaity of the Islo of I'ortland with the main-land. The bay between Weymouth and the Islo of Portland is called Portland Rond.

The lsle of lortland is about 1 miles loug, and in the widest part mearly a mile and a half broad. It is one continued bed or roek of freessono. The higbest point in the island is 458 feet above the level of the sea; the cliffs on the western side are very lofty; those at the Bill are not more than 20 or 30 feet bigh. Tbe island supplies the greater part of the provisions requisite for the mastenanco of the population. Wiater is plentiful and good; one stream has sufficient volume to turn a mill. The berbage is very fine, and affords pasturago to a number of sheep, whose fiesh is considered to be excellent mutton. The arablo land is mostly commou field; the inclosures are bouuded by stone feuces. Wheat, oats, pease, and a little barley are grown; sainfoin is also cultivated. There aro few trees in the island. The islanders are a robust race, peculiarly adapted to the hard labour of quarrying stone, in which a considerable number are employed. They occasionally engage in fishing, and a few are employed in agrieulture, trade, and handicraft. The custom of gavelkind prevails bere. The islaud has one village, Chesilton, at the commeneement of the Chesil bank, on tho nortli-west side of Portinnd. There are two castles; onc, on the east shore of the isle, is very ancient, and built in the form of a pentagon, with a number of small loop-holes, whence it has been vulgarly called 'Bow and Arrow Castle:' it is sometlmes called Rufns's Custle. The other is on the northern side of the ibland, built by Henry V111., and, iu connection with Sandsfoot Castle, commands Portland Road; a few guns are still mounted. Near the Bill are two lighthouses. The quarries will be noticel hereafter. Mases of rocks extend under water to a considerable distauce from the island. A dangerous surf, called 'The Race of Portland;' exteuds from the west of the island castward to St. Aldholm's Head. Portland lload is sheltered from the south-west wind, and affords good holding ground at 8 or 9 fathoms. In 1847 au act was pussed for the formation of a harbour of refuge off the Isle of Portland by tbe construction of a breakwater, exteading northward from the north. eastern point of the island for a mile and a quarter, so as to includo a largo part of Portland lload. $\boldsymbol{\Lambda}$ considerablo number of conviets are cinployed on the works, a conviet establishment laving been formed on the island for the purpose. The works are now steadily advancing.

Lcland, Hollinshed, and Caraden agree in speaking of Portland as baving been once separated from the mainland; but it has long been united to it by the Chesil Bank, one of the longest and most extraordinary ridges of pebbles in Europe. From its commencement at tho Isle of Portland it extends in a remarkably straight line north-west for many miles, running parallel to the coast, from which it is meparated by a uarrow arm of the sea called 'The Fleet,' as far as Abbotsbury, 10 miles from Portlaud: here it unites with the maiuland and rum along the sbore nearly six miles further to the commencement of the cliffis Bt Burton Castle, not far from Bridport. The brealth of the Chesil Bank is in some places near a quarter of a mile, but commonly mucb less. The base is formed of a mound of blue clay, which in covered to the depth of four, five, or six feet by a coat of smooth round jebbles, chiefly of white calcarcous spar (theso are called lortland pebbles), but partly of quartz, chert, jasper, \&co., so loose that a hormo's legs sink almont knee deep at every step. Marine planta grow in patchen along the edge of tho bank by tho water-side. The pobbly covering is continually ahifting, in consequence of the action of the winds and tho sen. The flect receives the water of ecveral rivulets, and russ into the open sea at its south-eastern extremity by a narrow chanuol called. 'Small Mouth.' At thio north.western extremity it form a 'ewannery,' which once conninted of 7,000 swaus. The Flect is much frequented by water-fowl, among which Dr. Jaton obecred the wild swan.

From llurton Castle tho coant, gemerally sbrupt and frequently high, runs west-nortlewent 10 or 12 zniles to the border of Devoushire: the clifin $\ln$ this part are ranarkablo for the beauty and variety of the forvila which they contain. The whole extent of the Dorsetshire const, including the circuit of the Isle of Portland, may be estimated at sbove 75 ruiles

Surface, Ilydrography, Communications-The surfnce of thil county in for the most part uneven. Tho principal elevations are the chalk downs, which, entering Dorsetshire from Wilthire on the northern
dide of Cranbourne Chac, 2 or $\$$ mile $S$. Ei frem Shatembury, turn
to the south and ruu to the valloy of the Stour, in the neighbourhood of Blandford. From the valley of the Stour the chalk downs run nearly wout to the noighbourhood of Beaninster, and form the northern boundary of tho basin whose drainge is receired by Poole Harbour. The hills near Benminster fortn, with tho exception of Bome outlying masson, tho western extremity of tho groat chalk formation. The chalk hlllw from Beaminater ruu south-enst or east and form the 'South Downs,' the bighest points in whiel are along the mouthern escarpment. The bills gradually appronch the eoast a fow miles north-east of Melcombe IRegis. From Lulworth the chalk hills run castward to Handfast Poiut, the homdland which separates Stndland and Swanage bays lillesdou Peu, wout of Beaninster, which is 934 feet ligh, is the highent point in the county, and bolongw to the greensand formation. Swyre llill, on the coast, near Kinmoridge, in the Isle of Purbeck, is 609 feet ligh.

The Stowr, the chief river of Dorsetshire, rises in Wiltshire, in Stourhead Park, on the border of Sonuersetshire, and rumning south by east enters Dorsetshire betweon three and four miles from its source. Its course in Dorsetshire is geuerally iu a south-east direction and by a very winding chnunel. Its feeders are the Shreen, the Lidden, tho Cale, and the Allen. After it receiven the Allen the Stour flows east-southeast 6 or 7 miles into 11 ampshire, after entering wbich it receives a considorable stream, 16 or 18 miles long, from Craubourne ; and about 4 miles lower it joins the A von near Christcburel, lu Hampshire. The whole course of the Stour is nearly 65 miles. It is uavigable for about 10 miles to Sturminster Newton.

The river Yeo, Ive, or Ivel, is formed by two brooke, one rising in Somersetsbire and one in Dorsetshire, whlch uuiting near Milboumo Port (Somersetshire), and flowing south-west, enter Dorsutshire between Milbourne Port and Sherbourne, about 3 miles from their respective sources. The Yeo then Hows first west-bouth-west, then west-north-west for about 7 miles, when it again touches the border of Somersetshire, along which it winds for about 3 miles, aud then entering Somersetshire flows nortb-west into the Parret. The Stour and the Yeo carry off the drainage of all that part of the county which lies north of the North Downs.

The North and South Downs iuclose the basin of the two rivers Piddle, or Prent, and Frome, which unite in Poole Harbour below Warehans, and from their situation with respect to that town aro respectirely called Warebam North and Wareham South lliver. The Piddle rises in the village of Alton ou the southeru doclivity of the North Downs, and flows south and south-east past Diddletrentbide and Piddlehiuton to Piddlctown. From Piddletown it has a general enst-south-east course about 22 miles in length to its entrunce into Poole Harbour. The Prome rises on the Downs near Corscumbe, north-east of Beaminster, and flows south-enst. At Maiden Newton it receives a atream from the Downs near lleaminster. From Maideu Newton the Frome flows south-east 8 miles to Dorchester. From Dorchester it flows east nearly 20 miles into Poole Harbour, just upon entering which it uuites with the Piddle, and has the same low-water channel as that river: its whole length to Poole Harbour is about 35 miles. For a considerable part of their course both the Frome and the Piddle flow through low meadows; the channel of ench is repeatedly divided and reunited. They aro not navigablo above Wareham.

The western extremity of the county is watered by the Bredy, the Brit, the Char, and the Axe, which last rather belongs to Devonshire. The Bredy flows westward 7 or 8 miles from Little Bredy into the sea near Burton Bradstock, at the north-west extremity of the Chesil Bank. The Brit rises near Beaminster, on the southern slope of the chalk hills, near the junctlon of the North and South Downs, aud flows south about 9 miles into the sea below Bridport; the mouth of it forms Bridport Harbour. The Char is about as long as the Brit; it risos near Fillesdon Pcn1, and flows south aud south-weat into the sea at Charmouth. The Axe rises in Dorsetshiro and flows for some miles along the border of tho county.
Dorsetshire has uo canals The Dorset and Somerset Canal, for Which acts wero obtained in 1796 and 1803 , but which was nover executed, was to have entered tho county near Stalbridge and to have followed the valley of the Stour till it opened into that river above Blaudford Forum. The intendod English and Bristol Chaunels Ship Caual was to eross the western extremity of the county.

The only passeuger milway in Dorsetshiro is the most weatern portion completed of the main line of the Loudon aud Sonth. Weatern It enters the couuty a few miles west of Ringwood, and proceeds iu a soutli-westerly dlrection past Poole, where it crosses a portion of loole Harbour, and sende off a short branch to the town of Poole, and forwards to Wareham, whence it procceds in a westerly direction to Dorchester. Its total leugth in Dorsetshiro is about 38 milos

The l'enzanec, Falmouth, and lixeter mail-roml croses the county in nearly its wbolo oxtuat. It enters it near Woodyates Inn, between Salisbury and Blandford, and ruus. eouth-west throngh Whitehurch and Piddletown to Dorcbester, and thenco weat by Bridport and Charmouth to Axminster, in Devonshira. The Exeter mail-road crosses the northern part of tbe county, entering it near Shafteshury, and ruuning thence sonnetlmes in Somersetshire and sometimes in Dorsetshire by Sherbourne to Yeovil, in Somersetshire. It just crome the western extremity and the detachod portion of the county
between Chard and Honiton. The Falmouth, Devonport, and Exeter mail-road also just crosses the western part of the county. The Sonthampton and Poole mailroad enters the county heyond Ringwood, and runs by Wimbourne Minster to Poole. Thore are sevcral other important roads in the county.

Geological Character.- The direction of the chalk-hills, which has been already noticed, fnrnishes the key to tho geological structure of Dorsetshire. The North and Sonth Downs respectively extend westward from the neighbourhood of Shaftesbury and the peninsula, which, although a part of the mainland, is called the Isle of Purbeck. The Downs unite at their western extremity near Beaminster, and inclose a basin, the 'Trough of Poole,' in which we have the formatious saperior to the chalk; beyond or without this basin we have the formations which uuderlie the chalk.

The eastern part of the county, as far as Cranbourne, Chalbury and Wimbourne Minster, and the Trough of Poole, are occupied by the plastic clay. Potter's clay in beds of various thickness and at different depths alternater with loose sand in this formation in the Trough of Poole. The potter's clay is sent to Staffordshire, where it is mixed with ground flints and employed in the finer kinds of pottery. Beneath the potter's clay lies a seam of very friable earthy hrown coal, which crumbles when pat into water, bnens with a weak flame, emitting a particular and rather bituminous smell, somewhat like Bovey coal. An extensive horizontal bed of pipeclay skirts the northern declivity of the South Downs, and contains a bed of coal exactly resembling that of Alum Bay in the Isle of Wight; clay of the aame hed, bnt not of equal quality, may be found in other parts of the Trough of Poole; it is quarried extensively near the town of Poole, where clay for firo-bricks is also dng. Noar Handfast Point the sand of this formation passes into sandstone. The plastio clay is found capping one or two hills south-west of Dorchester.

The ohalk formation bounds the plastic clay. In the North Downs the chalk occupies a breadth of nearly ten miles, namely, from Shaftesbury to Cranbourne, and along the valley of the Stour from above Blandford to Wimbourne Minster: at its western extremity the formation is still broader, extending about 18 miles beyond Beaminster to Stinsford, near Dorchester. On the sonthern side of the Trough of Poole it becomes much narrower, scarcely averaging two miles in breadth. The cliffs along the south coast are partly chalk: the strata are in some places curved and occasionally vertical. The valleys drained by tho upper part of the Frome and its trihutaries are occupied hy the greeneand, so that the mass of the chalk hills about Beaminster is cut off from the rest of the formation. In the district south of the chalk range and extending to the coast the chalkmarl, greensand, weald clay, and iron sand are found skirting the chalk in the order in whioh wo have named them in the Isle of Purbeck, and extending along the coast between the chalk and the Purbeck and Portland limestone, next to he noticed. The iron-sand near Lulworth contains imperfect beds of wood-coal. The weald clay is not found along the coast west of the Isle of Purbeck.

The Parbeck strata, belonging to the npper series of the oolitic formation, consist of argillaceous limestone alternating with schistose marl: they crop out from under the iron-sand in the Isle of Purbeck. A variety of the Purbeck stone known as Purbeck marble was formerly much used for columns and ornaments in our cathedrals and old churches. The thickness of the Purbeck beds is estimated at 290 feet. The Portland oolite, another member of the same series which succeeds tho Purbeck stone, occupies the remaindor of the Isle of Purbeck nad the whole of the Isle of Portland. It consists of a number of beds of a jellowish white calcareons freestone, generally mixed with a small quantity of silicious aand. But the different beds of which it is composed often vary in their characters, nor are the same heds of a uniform character in different localities. The varieties of this formation afford a great part of the stone used for architectural purposes in London. The Portland stone came into ropute in the time of James I., who used it by the adrice of his architects in rebuilding the banqueting-house at Whitehall. After the great fire of London, A.D. 1666, vast quantities of this stone were used in rebuilding St. Paul's and other public edifices. A considerable portion of Westminster bridge and the wholo of Blackfriars bridgo are built of it.

The strata of stone of all kinds on tho east side of Portland have an aggregate thickness of 93 fect, on the west side of 112 feet. The upper stratum or 'cap stone' is employed in building the Portland breakwater. Tho Kimmeridge clay, a blue slaty or grayish yellow clay, which also belongs to the upper oolitio serios, underlies the Portland stons: it sometimes contrius beds of a highly bituminous shale, whicl, from their being found aear Kimmeridge in the Isle of Purbeck, havo obtained the namo of Kimmeridge coal, and have given to the whole formation the anme of Kimmeridge clay. The thickness of the Kimmeridgo clay is estimated at 600 or 700 feet. It forms tho base of the Portland oolite in the Isle of Portland, and the line of junction hetween the two formations is elevated on the north side of tho island far above the level of tho sea. The coasts of the island are here formed by a sloping bank of Kimmeridge clay, surmounted by an abrupt escarpment of oolite. On the south side of the island by the dip of the strata towards the south, tho live of jnnction is brought down to tho level of the sen.

Towards the south-western shore of the Isle of Purbeck, where
the chalk downs approach the sea, and are skirted only by a very narrow belt occupied hy the iron sand, and beyond that seaward hy the Portland oolite, the sea has formed several singular coves, at the entrance of which are lofty headlands of oolite; while the cove or basin is excavated inland as far as the chalk. The precipitous sides of these basins exhibit in a most striking manner the formations between the chalk and the oolite.

Westward of the coves just described, extending from Weymouth Bay towards the river Brit, occurs what is termed by geologists 'a saddlc,' a double series of formations. After the greensand, Purbeck and Portland beds, and Kimmeridge clay, havo successively cropped out from beneath the chalk, the coral rag, and Oxford clay, memhers of the middle series of oolites, rise to the surface in succession, and are succeeded by the forest marble and the great oolite, which belong to the lowest series of the oolitic formations. To the southward of the great oolite and forest marble, the supcrior strata reappear in reverse order of succession; the Oxford clay, then the coral rag, and then the Kimmeridge clay, which runs down to the shore at Weymouth, and rises again from the sea in the Isle of Portland, where it appears capped with the Portland oolite.

In the north-western and western parts of the county, the chalk formation is succeeded hy the greensand, which crops out from heneath it, and skirts the northern side and the western extremity of the North Downs. The greensand forms the outlying masses of Pillesdon and Lewston hills, and of others yet farther west along the borders of Dorsetshire and in the connty of Devon. [Devonshire.] West of Shaftesbury extends a bed of Kimmeridge clay, which crops out from under the greensand: west of the Kimmeridge clay is a range of coral rag hills; and still farther west occur the Oxford clay and the great oolite. All these formations are overlaid by the westward extension of the chalk and greensand from the valley of the Stour to Beaminster; but some of them re-appear in the oliffs which line the const westward of the Chesil bank. The western extremity of tho county is occupied by the lowest members of the oolitio series and by the lias. The line of junction of these formations extends nearly north and sonth from Ilminster in Somersetshire to the sea. The detached part of the county which is inclosed within Devonshire is partly occupicd by the red marl formation.
Climate, Soil, Agriculture. - The climate of Dorsetshire, though mild and healthy, is not so warm as its geographical situation would lead us to expect; a circumstauce owing to the nature of the soil and the bareness of its chalk hills, there heing little or nothing to break the force of the winds that sweep over them. The air is somewhat keen and bracing. In the valleys tho climate resembles that of the valleys of Devonshire, and the vegetation is very similar. It appears from Domesday Book that in the 11th century there were vineyards in several parts of this county.

A considerable portion of the soil in the south-eastern part of Dorsetshire is composed of a loose sand and gravel, with a portion of ferruginous loam. The whole surface of the county consists chiefly of this looso sand and gravel, clay and chalk. The most fertile spots are those where all the three have been mixed in the valleys by the rivulets which run down the hills carrying the soil with them. The poor sandy soil occupies that part of the county which joins Hampshire. In the centre and towards Wiltshire lies the chalk; and along the coast, over a more solid chalky rock, is a stratum of clay, which likewise covers the western part towards Devonshire, and the northern towards Somersetshire.
The chalk hills to the west of Dorchester, and along the borders of the vale of Blackmore, are of considerable elevation, and oontain several narrow vales and deep hollows. The most elevated parts of the chalk district are most profitably retained as sheep-walk, the pasture hoing fine and short. In the hottom of the vale of Blackmore are some extremely fertile meadows watered by the river Stour. The hills which look down upon this valley are high and hare; hut the lower sides are heautifully varied with woods and fields. The quantity of arable land throughout the county bears but a small proportion to the pasture ; and greater attention is paid to the rearing of sheep and feeding of cattle than to the raising of corn.

On tho larger farms the farin-houses are old buildings of, and covered with, stono tiles; in the smaller they are mostly thatched with reed. Many cottages are built with mud walls composed of road scrapings, chalk, and straw, the fontadation heing of stone or brick. Garden walls are frequently huilt of these cheap materials, their top heing protected from the weather by a small roof of thatch, which extends a fow inches over each side.
The introduction of sainfoin on the dry chalky soils has been a great advantage, as it produces a rich fodder, requires little manure, and lasts many years. In this soil the wheat is generally sown after clover which has stood one or two ycars, hut sometimes also after turnips or rape fed off. Tho folding of the land saves manure, and the vicinity of sheep downs gives an opportunity of having large folds and repeating the folding often, hoth before and after sowing the seed. The tread of the sheep oonsolidates loose soils hetter than the hoaviest roller.
Barley is here a more important crop than wheat. It is sown from the middle of Maroh to tho middle of May. Tho earlicst sown is gonerally the best. The produce averages 30 bushels per acre. Oats
are sown on the heavier and moistor soils. Potatoes are cultivatod to a considerable extent in the rich loame abont Bridjort, Beamlnater, A bbotabury, Ac. Sainfoin is sown with n upring crop: four hushels of seed are required fur an mere. It is cut before tho blosem in fully expronded, aud mado into hay, which is excellent fodder for theop in wiuter. After several yearn, when it begins to go off, it is plonghed up, and tho laud nown with oate IIerop is oultivated to some extent in the richest soils, which contain a considerable praportion of sand, and are too light for beans. Flax is likewise cultivated in the sound deep loams whieh lieve been gradualls enriched lyy manuring the preceding cropa.

The meadows along the rale of Blackmore are extremely rich, and produco much lay, which is used to feod the dairy cows in winter. The upland meadows are well managed, and frequently dressed with lime and dung. Many sheep which feed on the downs in summer are wintered $\ln$ the vales. The pastures on the hille are well adapted to feed dairy cown. The Doreet butter is in good repute in Inndon and Portamouth for ship previaion as well as domestic use. Dorset salt butter, when well washed, is very commonly sold in Loudon for freah lutter. The butter is made frem the cream, and the skimmed milk is made into clecese.

The Dorset sheep are noted as a profitable breed to thoso who rear house-lambe for tho London market. They give much milk, and fatten their lambs better than any other breed. There is another very amall breed in the Iele of Purbeck, and near Weymouth, of which the flesh is in repute with epicures: some consider them as tho real and original Dorsetshire hreed. They resemble the small forest sheep formerly found on all the commons of the Forest of Windsor, and on Bagshot Heath, the mutton of which was in equal reputo as Brgshot mutton. The wool is fine, lut the fleece does not weigh above $1 \frac{1}{\text { or } 2 \mathrm{lbs} \text { on an average. The Southdowu breed is very }}$ gencrally found in Dorsctshire, and suits the pasture and climate better than tho Leicester.

Divisions, Torms, de.-The county of Dorsct previous to the year 1710 was divided into fire more considcrable parts, or as they were termed 'divisions,' which took their names frem the towns of1. Blandford, II. Bridport, III. Dorchester, IV. Shaftesbury, and V. Sherbourne. These were further subdivided into 35 hundreds, 24 liberties, and 10 boreughs.

Since 1740 a new arrangement of tho county has been adopted. The five divisions have been increased to nine, namely:-Blandford, north and south, Bridport, Cerne, Dorchester, Shaftcslury, or Shaston, eant and west, Sherbourne, or Sherborne, and Sturminster. Theso divisions are further subdivided into 36 hundreds, 22 liberties, and 9 boreughs. The boreugh of loolo is coneidered as a county in itself.

The following are market-towns:-Dorcmester, tho county town, and a municipal and parlinmentary boreugh, on the river Frome; the parlimentary boreughs of Bridpont, on the Brit; Lisar Regis, on the Sem; Melcombe Reons, on the Sea, united with that of Weymoctil ; Poole, on Poole Harhour ; Shaftesbury, on the border of the county adjacent to Wiltshire; Wareham, between the Piddleand the Freme; and the municipal boreugh of Ibasdrond Forem, ou tho Stour. Of these places, and of tbe market-towns of Beaminstirn, on the Erit, near its sourco, Cerve Abbas, on the Cerne, Cranbourne, Shembourse, on tho Yeo, Stumansters, on tho Stour, and Wiafnournie Minster, on the Allen, as well as Corfe Castle, a disfranclised borough in the lele of Purbeck, an account is given under their respective titles. Of Milton Abbas, Stalbridge, and Swanage, we give a brief notico here.

Millon Abbas, or Abbot, is said to derive its name (which is a contrection of Mirldleton Abbot) frem its situation near the centre of the county. It is in a deep vale inclosed by stecp chalk hills on the north and south side. The parish had in 1851 a population of 915 persona. Its market and fairs hare been given up. Au abbey founded here by King Athelstan formerly gave importance to the town. The buildings of the abbey were preserved for a long time, but were gradually pulled down, chiefly to bo replaced hy more modern erections The hall yet remains, a noble and magnificont old reom, part of the mansion of Milton Abley, belonging to the Damer fnmily. This famlly cnjoyed for some time the titlo of Earl of Dorchester, now extinch. The conventual ehureh in now a private chapel. It comsista of the choir, trannepta, and tower of tho old abbey church: the choir la clifefly of carly decorated character; the transepts and tower are perpendicular. Tho general appearance of this odifico is vory fine.

Sallridge it sitnated about 21 miles N. ly E. from Dorchester. The propulation of the towublp in 1851 wan 1326 . The market is hold overy alcervato Tueeday ; and there are two cattle fairs in the jear. Tho town in Irregularly laid ouk In the market-place is a very dilapidatod ancient eross, 22 foet high, or including the base of three steps 30 foel. The church, a large a ient structure, witls a high embattled tower at tho weat end, han been recently repaired. There are an Independent chapel, and a frce achool. Stone ia quarried iu the pariah, and used for luilding and roofing.

Sranage, 29 iniles Kis. Fi, from Dorchester, jopulation 2014, a decayed market-town and moalport. Tho ehurch, whleh in pracioun, is of different periors; some parth are very ancient. There Nre chapels belonging to the Independente and Wealegan Methodists.

The town consints of a street a mile in length, contniniug many good shope Swango is much remorted to during the sunmer for sea. bathing. Many of the inlabitants are employed in extensire atonoquarries In the neighbourhood.
The following ane the more important villages, with their population in 1851, and a fow other partlcularm:-

Afpudille, 8 milea ENN.İ fram Dorcheater: population of the parish, 4SS. The charch, which is a very handsome specimen of the decorated style, origiunlly belonged to Corne Abboy; iu the interior is nome fine carving. On Bladen Ileath, in this parish, are several curions excavations. Beer Regis, 101 milea E N.E. from Dorchester, population 12t2, is a decayed market-town. The church lias a nohle carved oak roof; in the interior are remaine of eeremal fine altartomla, The Independents and Wesleyan Methodists havo places of worship, and there is a Free school. A fair is held on September 10th and the four following days, Beer Recis now form part of the boreugh of Wareham. Broadway, 5 miles S. by W. from Dorchoster: propulation of the parish, 610. Besides the ehurch, which was reluilt in 1836, there are a Wesleyan Methodist chapel and a National school. The village is much resorted to on account of a mineral sulphureoun spring, known as Nottington Spa Broad Windsor, 18 miles N.L:. from Dorchester: population, 1661. Besides the parish church, which is ancient, there is a new church at Blackdown, a Lnanlet of Broad Windsor; there are also a Dissenting chapel and a Freo sehool. Sailcloth is manufactured. Buclland Newton, or Buckland Abbas, 11 miles N. frem Dorchester, formerly a market-town, now au extensive village: population of the parish, 990 . There are here an anciont parish church, a chapel for Dissenters, and a Free achool. Charmouth, 21 miles W. from Dorchester, population 664, a villago situated on the coast at the moutl of the river Char, is much rosorted to during the summer for sea-bathing. It has a modern church, an Indenendent and a Wesleyan Methodist ehapel, and National and British selools. Ilest Chickerell, 7 miles S.S.W. frem Dorchester: population of the parish, 577. The church, which is in the early English style, originally belonged to Bindon Abbey. In the iuterior is a Norman font. At the west end of the church are two large bells, suspended under stone arches. The Independents have a chapel in the village. There is $\Omega$ fiskery herc, of which the praceeds, chiefly mackerel, are forwarded to Loudon and elsewhero by railway from Dorchester. Darolish, 8 miles N.E. from Dorchester: population, 442. The village, which lics in a hollow, and las a brook running threugh it, contnins a rery ancient aud interesting church, a Wesloyan Methodist chapel, and a Free school. An extensive business was formerly carried on in making wire shirt-buttons. Several Roman remains, including a tesselnted parement, hare beeu discorered in the neighbourhood. Eirerahot, 13 miles N.N.W. from Dorchester, population 606, formerly a markettown; two fairs are beld in the course of the jear. The church is ancient. Near the south side of the church is St. John's Spring, geuerally called the source of the river Froine. The Free Grammar sehool, founded in 1628 , has an income from endowment of about 901. a year, and had 53 scholars in 1851 . Gillingham, 26 miles N. by E. from Dorchester, population 2806, contains a spacious and handsome church, recently rebuilt; chapels for Baptists, and Wesleyan and Primitive Methodists, a Freo school, a National achool, aud a Temperance hall. A small market is held on Friday, a fair for cattlo on Trinity Mondny, and a pleasure fair on Septemler 12 th. The town is lighted with gas. There aro silk manufactures, four-mills, and ans exteusive brewery. Jlammeston, or Ilam Chamberlayne, 24 miles E.N.E. from Dorchestor: jopulation of the entire parish, which is partly in Hampshire, 1193. Tho church is very ancieut. There are a new Independent clapel, with a spire rad cloek, a Methodist chapel, and a National school. At Stape Hill is a Roman Catholic nuuvery. Iytchetf Matravers, population 878 , about 10 miles E. hy N. frem Dorchester, has a fine old church, in which are some good mouuments. In the villago are chapels for Weslcyan and Primitire Methodists, aud a National school. Iylchelt Minater, an adjoining village, populatiou of the parish 878 , being the same number as Lytehett Natravers, possesses a parish church, erected in 1834. The Baptists and Wesleyan Methodisis have placen of worship; there are also a National school and somo parechial charities. Lytchett Bencon commands an ortensive sud beautiful view of the consh Marnhull, 22 miles N.N.I:。 frem Dorchester: population, 1481 . Tho church is a spacioua odifico in the early English style. There are a Wcaleyan Methodist and a Roman Catholic eliapel, a Frce school, and a lloman Catholic school. In the neighbourhood is Nash llouse, a fiuo mansion, coutnining some good pictures. Motcombe, 30 miles N.N.E. frem Dorchester: populatiou, 1535. The church was rebuilt in 1846; attacherl to it is a National school built and supported by the Marquls of Weatminster. The Wesleyans and I'rimitive Methodists have chapels. The Marquis of Westmineter has a fino seat here called Motcombe llall. Netherbury is situated ou the right bank of the lBrit, between Meanimster and 3 ridport, 19 miles W.N.W. from Dorchenter: population, 2086. The chureh, which is In the perpeudicular style, ham been partly reatored. There are a Disenting eliapel and a Free seliool. In the neighbourhood are several good inansions. Parkstonc, 32 ıuiles E. from Dorehester, populatiou of the cliapelry 899 , a village in a pictureague nituation near Poolo harlour. Besides the church, which was lnilt in 1833, there is an Independent chapel. The neighbourhood affords
some fine views, and the village is much resorted to in the summer. Piddletoron, 5 miles N.E. from Dorchester, population 1297, a small well-built town situated on the river Piddle. The church is perpendicular, and contains a very rich Norman font and several interesting tombs. The Independents and Wesleyan Methodists hare places of worship. A market formerly held here has been long discontinued. Fairs for cattle are held on Easter Tuesday and October 29th. Radipole, 6 miles S. by W. from Dorchester, population 609, a pleasant little village on the left bank of the Wey. Besides the church, which is very handsome, there are chapels belonging to the Independents and Roman Catholics. In the neighbourhood are many villas and gentecl residences, and the place is much resorted to by summer Fisiters. Shapwick, 17 miles N.E. by E. from Dorchester : population, 444. The church is a curious old building. Shapwick once possessed a market : part of an ancient cross is still left. A priory was founded here in 1414. Some remains of an ancient camp are to be seen in the neighbourhood. S'ptisbury, 15 miles N.E. from Dorchester: population, 660. The church is ancient, and has an embattled tower. There are places of worship for Independents and Wesleyan Methodists. The Roman Catholics have a church, convent, aud school at Middlestreet, a hamlet of Spetisbury. An alien priory formerly existed here. In the vicinity are some remains of an earthwork. Sydling St. Nicholas, 8 zailes N.W. by W. from Dorchester: population, 675. Besides the church, there are Independent and Methodist chapels, and a Free school. A singular custom lately prevailed here of the farmers meeting every Sunday after scrvice under an old elm, known as the Old Cross Trec, to hear the complaints of their farm-labourers. Winterbourne $S t$. Martin, or Martinstown, $2 \frac{1}{2}$ miles W.S.W. from Dorchester: population, 434. The church is ancient, but of different dates. The village stands in the midst of an agricultural district, and has a considerable trade. Winterbourne formerly had a market; a fair which is well supplied with cattle, is held on St. Martin's day. Maiden Castle, the remains of a Roman camp, is situated in this parish. There are several other villages and parishes in Dorsetshire which are named Winterbourne. Witchampton, situated on the right bank of the river Allen, 22 miles N.E. from Dorchester, population 504, was formerly a market-town. The church is a large and handsome specimen of the decorated style. There are a Wesleyan chapel, an Infant and a Charity school, and four almshouses. A paper-mill gives employment to some of the inhabitants. Wyke Regis, 9 miles S. by W. from Dorchester, population 1898, a small village on the sea-coast. The houses are good, and the church is a very fine Norman edifice, with a square embattled tower, which scrves as a landmark for vessels in the channel. In the interior are some good monuments and rich staincd glass windows. Wyke Regis church is the mother-church of Weymouth. There is a Free school. From the heights in the vicinity some extensive prospects are obtained. Yetminster, 16 miles N.N.W. from Dorchester, popnlation 666, formerly a market-town. Two fairs are held here annually.

Divisions for Ecclesiastical and Legal Purposes.-In the earlier period of the ecclesiastical constitution of England, Dorsetshire was included in the bishopric of Dorchester in Oxfordshire, a see founded by Birinus, first bishop of the West Saxons, about 626, and afterwards removed to Winchester. In the year 705, when Ina, king of Wessex, divided his kingdom into dioceses, Dorsetshire was comprehended in that of Sherborne, from which place the see was removed about the middle of the 11 th century to Sarum. Upon the erection of the see of Bristol in 1542 Dorsetshire was transferred to the new diocese, of which it constituted the chief part, and it continued to be so until transferred back by the late act to the diocese of Salisbury. According to the 'Ceusus of Religious Worship' taken in 1851 it appears that there were then in the county 563 places of worship, namely, 304 of the Church of England; 147 of four sections of Methodists; 69 of Independents; 15 of Baptists; and 28 of minor bodies. The total number of sittings provided was 121,206. By the Poor-Law Commissioners the county is divided into 12 unions:Beaminster, Blandford, Bridport, Cerne, Dorchester, Poole, Shaftesbury, Sherbourne, Sturminster, Wareham and Purbeck, Weymouth, and Wimbourue and Cranbourne. These Unions include 282 parishes and townships, with an area of 596,413 acres, and a population in 1851 of 173,332 ; but the boundaries of the Unions are not strictly co-extensive with those of the county. This county is included in the western circuit. Tho assizcs were anciently held at Sherbourne ; sometimes, though rarely, at Shaftesbury; but generally, especially in latter times, at Dorchester, where they may be considered as now fixed. The shire-hall and county jail are at Dorchester. The quarterseasions are also held at Dorchester ; and county courts are held at Blandford, Bridport, Dorchester, Poole, Wareham, and Weymouth.

Before the passing of the Reform Act 20 members were returned to the House of Commons from Dorsetshire. The county now returns 14 mcmbers, namely, 3 for the county; 2 each for the boroughs of Bridport, Dorchester, Poole, and Weymouth united with Melcombe Regis; and one each for the boroughs of Shaftesbury, Lyme Thegis, snd Wareham. Corfe Castle was disfranchised by the Reform Act, and included in the neighbouring parliamentary borough of Wareham.

JIistory and Antiquilies.-This county was in the carliest period noticed by history inhabited by a peoplo whom Ptolcmacus calls OEOC. DIV. VOL IL.

Durotriges, a name which Mr. Hutchins (after Camden) derives from the British words dwr, water, and trig, an inhabitant, aud interprets to mean 'dwellers by tho water side.' According to Asser Menevensis the Britons called this people Dwr Gwyr; the Saxons called them Dorsettan, whence the modern uame of the county. The Durotriges appear to have been of Belgic race. Upon the conquest of South Britain by the Romans Dorsetshire was included in Britannia Prima.

Of this early period of our history there are several remains in various camps and earth-works, stone-circles, cromlechs, and barrows. [Cerne AbBAs.] In the north-eastern part of the county, and the adjacent part of Wiltshire, are several cmbankments with ditches; they all run in a winding and irregular manner mostly from south-cast to north-west, having the ditch on the north-east side. At Sutton Walrond are two hills which appear to have been Celtic earth-works.
There are several Roman camps in the county. Mr. Hutchins enumerates 25 ; and the walls and amphitheatre of Dorchester, aud the coins and pavements found there, are monuments of the same victorious people. There were at least two Roman stations in the county, namely, Durnovaria ('Itin.' Antoninus), or Dunium (Ptolemaxus), Dorchester ; and Vindocladia, or Vindogladia, Vindelia in Richard of Cirencester, which some are disposed to fix at Wimbounne, others more probably at Gussage, between Blandford Forum and Cranbourne. To these Dr. Stukeley would add a third, Ibernium (mentioned by the anonymous Ravennas), which he fixes at Bere Regis.
The Ikenield or Icknield way enters the county at its westeru extremity, coming from Hembury Fort [Devonshire], and runs cast by south to Dorchester, near which it is very perfect, high aud broad, and paved with flint and stone; from Dorchester it runs by Sheepwick and Sturminster Marshall, and the Gussages into Wiltshire. The remains of a Roman road may be traced on the south-west side of the Frome, leading from Dorchester in a north-west direction as far as Bradford Peverel and Stratton, soon after which it disappears; another road may be traced from Dorchester on the other bank of Frome, parallel to the former road, and uniting with it at Stratton; and thero are traces of several others.
When the Saxons established their octarchy Dorsetshire was included in the kingdom of Wessex; and even after the West Saxon princes acquired the sovereignty of Englaud they resided occasionally in this county. Ethelbald aud Ethelbert, the elder brothers of Alfied tho Great, were buried at Sherbourne; and Ethelred I., another brother of the same prince, at Wimbourne.
In the invasions of the Danes this county suffered severely. Iu 876 they made themselves masters of Wareham, where they were besieged by Alfred, who obliged them to quit that place the next year, when 120 of their vessels were wrecked at Swanage. In 1002 Sweyn, king of Denmark, in his invasion of England, destroyed Dorchester, Sherbourne, and Shaston or Shaftesbury.
Throughout the middle ages few events of historical interest connected with the county occur. The contest of the Roses little affected this part of the kingdom. The towns on the coast were flourishing, as appears from the following list of the vessels which they furnished to the fleet of Edward III. at the siege of Calais, 1347 :-Weymouth, 20 ships and 264 mariners, or, according to Hackluyt, 15 ships and 263 mariners; Lyme, 4 ships, 62 mariners; Poole, 4 ships, 94 mariuers; Warehnm, 3 ships, 59 marincrs. Weymouth furnished only 2 vessels less than Bristol and only 5 less than Loudon; they were however more weakly manned and probably smaller. To the fleet of the lord high admiral (Howard of Effingham), at the timo of the armada, 1588, this county furnished 8 vessels ( 3 of them volunteers) and 340 men. The second engagement of the English fleet with the arinnda was off Portland Eill.

In the civil war of Charles I. the gentry were mostly for the kiug ; but the people of the towns, where the clothing trade was then carried on, auc of the ports, were for the parliameut. In the beginuing of the war, Sir Walter Earle and Sir Thomas Trenchard, partisans of the parliament, possessed themsclves of Dorchester, Weymouth, Portland, Lyme, Wareham, and Poole, while Sherbourne Castle, Chideock Castle, and Corfe Castle were garrisoned by the king. Corfe Castle held out for the king till $1645-6$. The year 1645 was distinguished by tho rising of the club-men in the counties of Dorset, Wilts, and Somerset; their object was to defend this part of the county from the outrages of both parties. Their assembling excited the jealousy of the parliamentarians, whose superiority was uow estabhished. Cromwell defeated a considerable body of them at Hamilton Hill, and other bodics were persuaded to disperse.

In 1851 the county had 10 savings banks-at Blandford Forum, Bridport, Dorchester, Lyme Regis, Poole, Shaftesbury, Sherbourne, Wareham, Weymouth, and Wimbourne. The amount due to depositors on the 20th of November, 1851, was 432,946l. 11 s.
DORT, (Dordrecht, formerly Thuredrecht), a city of South Holland, is situated on an island formed by the Maas, 11 miles S.E. from Rotterdam, in $51^{\circ} 49^{\prime}$ N. lat., $4^{\circ} 42^{\prime} \mathrm{E}$. long., and has about 21,000 iuhabitants. The island on which it stands was separated from the opposite shore in November, 1421, by an irruption of the waters. By this irruption the dykes were broken down, more than 70 villages were destroyed, and a great number of the inhabitants drowncd. Dort is oue of the most ancient citics iu Ilolland, and was formerly the capital of tho
province, and the reaidence of the counts of Holland. The independence of the Unital Dutch Irovinces wha first deolaned at Dort in 15:2; and here in 1618 and 1619 sat the Synod of Dort whiel2 condemned the doctrines of Arminius. The old gothie structure in which the synod was held is now a publio-house. The atuation of Dort is naturmlly so mtrong, that althongh frequently invested it has alwayn maie nuccosaful resistance to the besiegers. It has a eafe and good lartour, and is well situstod for trade, having two eanala, by means of which goods can be conreyel to warchouses in the heart of the city. Kast Indiamen hearily laden can come up to the quaya. The chief industrial establishmenta aro shipbuildiug clocks, eaw-mills, sugar-refineries, tobacco factories, malt-refineries, whito-load works, and in the neighbourhood numerous linen bleaching-grounds. There is a large trade niso in corn, flax, train-oil, salt-fish, and wood; large rafts of timber are brought down the Rhiue from German forosts to this place, and broken up for anle. The brothers De Witt wero natives of the town. The town-hall is a handsome building, and the principal church is a gothic strncturo 300 feet long and 125 feet wide, with lofy to wers and chimes. The electro-telegraphie wires laid down along the projected line of railway between Antwerp and Rotterdam ines through Donirecht.

DOITTMUND. [Arnsbero, vol. i. col. 531.]
DOTIS, a town in tbe north-west of Hungary, is nituated about 12 miles S. F. from Comorn, in $17^{\circ} 38^{\prime} \mathrm{N}$. lat., $18^{\circ} 20^{\prime}$ E. loug., and has about 5000 inbabitants. Between the town and its suburb (called Toraron, 'Lake Town,' from its situation ou a small lake), are the ruins of an ancient castle, which was a favourite residence of Mathins Corrinus, king of Hungary. Arong tho buildings of note are three chnrehes, one of which is very old, a Capuchin and a Piarist monastery (the latter having a grammar-school), a liead-district school, a military hospital, aud a bath-house. Tho inhabitants have several flour and saw-mills, and manufacture coarse woolleu cloths, carthenware and pottery, beer, tc. The Esterhazy family haro a splendid castlo here, with grounds laid out in the linglish style. Thero are vineyards, large sheep-grounds, and exteusivo forests, in the neigbbourhood. Dotis and much of tbe snrrounding laud aro the property of the Fsterhary family.

DOUAI, or DOUAY, a large, ancient, and important town on the Scarpe, in the French department of Norl, stands in $50^{\circ} 22^{\prime}$ N. latu, $3^{\circ} 4^{\prime}$ E. long., at a dintance of 21 miles by railway $S$. from Lille, 80 miles S. W. from Brussels, and 149 N . by E. from Paris by the railroad which joins these two cities, and has 18,018 inhabitants including only the commune. It is surrounded by ancieut walls, flanked with towers and hid out in agreenblo promenades. The town is further defended by a fort on the left bank of the Scarpe. Tbe streets are well laid out. The town-hall, tho church of Sh-Pierre, the cannon-foundry, and the arsenal, are the principal buildinga. The inhabitants are engaged in the manufacture of linen, lace, thread, gauze, cotton, sonp, glan, leather, boer, gin, pottery, paper, oil, clicmical products, and refined sugar. A conmilerable trade is carried on also iu corn, wine, brandy, chicory, wool, hopa, flax, woollen clotb, and cattle. Douai in the seat of a University Academy, aud of a High Court of Justice, which has jurisdiction over the departmente of Nord and Pas-deCalain; it has also a college for English Roman Catholic pricsta, founded by Cardinal Allen, an Englishman; a royal college; a scbool of artillery; a school of drawing and music; a publio library, which contains 27,000 volumes; a mnseum of natural history; a botanie garden ; and a collection of paintings and antiquities; sereral hospitais; and a theatro. A tribunal of first instance is held here. Exhibitions of the induntrial products take place every two years. The commerce of the town is more active than formerly, in consequence of its connection by railroads with the chief towns of France and Belgium. Dound has also extensive communication by means of the Scarpe, which falls into the Schelde, and by numerous canals that connect it with the principal trading towns of France, Belgium, and IIolland.

Douni in a place of great antiquity: it existed in the time of the Romana, and became under the counts of Flanders a place of considernble importance. Plilip the Fair took the town from tho count of Flazders, A.D. 1207, but it was restored to the counts in 1368 by Charlen V. of France. With the ront of Flanders it passed undes the dominion of the klng of Spais; and in 1532 1hilip If. of Spmin founded a univeralty here. In 1067 Louis XIV. took fromemion of Douai : it was taken in 1710 by tho allien under Marlborough nud Fingene, but the French retook it after the Englinh withdrew from the coalition against France. Much flax is grown, and coal is dug, in the neighbourhood of the towu.

DOULS, a department in the enst of France, takes it name from the river Doub, which han ite source and a considomble part of its course within ita boundaries. It lies between $46^{\circ} 35^{\circ}$ and $47^{\circ} 31^{\prime}$ N. lat., $5^{\circ} 30^{\circ}$ and $6^{\circ} 55^{\prime} \mathrm{F}^{2}$ lang., and is bounded N.W. and N. by the departments of 1laute-Saone and 1Isut-1khin; F. by Switzeriand, and S.W, and S. by the department of Jurs This depnrtment is irregularly abapod; its gremtest length from north to moutb is 66 milen, from cast to west 60 milem: tho aron accorling to the lintont cadantral retnran of the Froncls government is 2019 mamare miles, and the population accorling to the cenmun of 1851 wan 296,670 , which give 148.94 to the nquaro mile, being $27-77$ below the arerago per equare mile for the whole of France. The population however is
very uuequally distributed: in the plains it is far above the avernge, but very thiu indoed in the mountainoun parte. The departuent is formed out of a portion of the old prorince of Francho-Counts.

The department prescuts high nouutnins, foresta, מarrow ralleys, heathe, rocks, and marshen. It is crosserl from north-eant to eouthwest by four parallel claine of the Jura Mountain: in the highest of these, which runs along tho Swiss frontior, are the snmunits Moutdior and MontSuchot, respectlvely 4920 and 5248 feet high; the other chains become successively lower, so that the highest point in the western chain, 1Rocho-d'Or, is only 2560 foot in height. The two moro castern chains have their sides clothed with pine foreste, the perpetual verdnre of which furms a Btrong contrast with the nuows that cover the mountnin tops during sis mouths of the year, or in the absence of suow, with the bare rocky crage which ocunpy the erests of theso chains: on their southern slopes thero in gool pranturage during the summer and autumn, to which uumerous herdm of cattle are driven; and here in tho "chalets' or shepherds" luts (the only habitation met with is these regions) a great quantity of excellent buttor and cbecse is made. Fiven in the valleys of this region littlo attention is paid to the cultivation of the soil, in consoquence of the length of the winter, tlie depth of the mow, and the short continuance of the fine season. The only crop is onta, of which a good deal is grown, but even this crop is sometimes lost under the early suow. Tho other two chains, though they present many bare rocky heighta, have a milder climate, forcats of oak (quercus robur) and beech instead of pine, and a more fertile soil iu the valleys, which yield wheat, but in no great quantity; the vine is cultivated on sheltered spots facing the south. The west of the dopartinent, between the Doubs and the Oiguon, is comparatively level, very fertile, and much more densely peopled than the highlands; bere the hills are covered with vineyards, and the plains abundantly prorluce wheat, maize, hemp, flax, fruits, and other crops. The valleys which separato the mountain chains are longitudinal, that is, they ruu in the direction of those chains; they vary greatly in width, in sonve places openiug out into tolerably wide basins, but frequently coutmeting into deep narrow gorges. The climate is cold but healthy in the moutainous districts, where the snow lies commonly from October till April ; in the western plains the temperature in more genial ; went and north west winds are frequent, and bring rain; the south-west wind is ordinarily violent and dry.

The production of bread-stuffs is not sufficient for the consumption; of wine the annual produce is only $3,78 t, 000$ gallons; waluuts, cherries, and other fruit-trees are cxtansively cultivated. Horned cattle, resembling the Swiss breed, and horses, are reared in grent numbers. The rivers contaiu trout, perch, tcuch, cel, carp, pike, erab, \&c. A silver mino was formerly worked on the dauks of the Mout d'Or. Iron and coal mines are worked; shell-marble, sylsum, and building-stone are quarried; lignite, marl, fuller's and potter's elay are found; and peat for fuel is dug in many places. The mountain pastures abound with inedicinal and aromatic plants, and of these large quantities are gatherod.

In the mountainous districts the rearing of cattle and tho making of cheese and butter, are the chief occupations of the population; the annual value of the cheese made in the department is estimated at $1,650,000$ francs, of the butter at 260,000 francs. The cheese is of good quality, and reacmbles Gruyère. Of manufacturing industry, properly so called, the products furnishod by the department are-watch and clock morements, cotton and woollen cloths, cotton yarn, bosiery, paper, glass, glue, leather, beer, hammered iron, stoel, iron-wire, filea, ecythes, aud other agricultural implements. A good deal of kirsel. wasser and extract of wormwood is nnade. The commerce, a large proportiou of which is carried on with Switzerland, consists is the articles named, and in bides, cattle, timber, deals, onk staves, tis and iron-waro, \&c. Thero are 133 corn and other mills in the depart ment, mont of which are worked by water power; 35 irou-foundries and smelting furnaces, and 156 factorics of difforent kinds. Fairs to the number of 270 are held yearly. Roadwny accommodation to the extent of 310 aniles is afforded by 5 royal aud 21 departmental romis. The department has as yet no railroads, but the eloctro-telegraphie wires connecting Paris with Lausanne and the clief towns of Switzerlaud, aro laid down through l>esançon and Portarlier.

The departmeat takes its namo from the river Duubs, which traverses it twice throughout its eutiro length. This river rises at the foot of Mout Rixon, in the south-east of the departmeut, and runs in a northeeast direction for about 70 miles lior 10 miles of this distance below Chaux-de-Fonds the river forms the castern boundary of France; then entering the Swiss cainton of Noufchítel it ruus about 8 milem to the onst of northemet striking against MontTerrible, the highest part of the chain that connects the Vosges and the Jum Mountains, it glances off to westwards for about 16 miles as far as St-lippolyto, whero it reccives the Dessoubre on tho left bank, and takes a northern direction to within 4 miles of Montbelliard. From thin point the river making a rapid memicircular swcep, first to the cast and then to the north-west, finally flows soutli-west, pasaing Clerval, Baume-les-Damen, and Besancon; a fow nilen bolow thin last town it enters the department of fura, whero it receires tho lout on its left bank, and taking a more houtherly course, reaches the department of Saone-et-Loire, in which it joins
the Saôno ou its left bank at Verdun, after, a course of 211 miles, and a desecnt of 2605 feet. In its upper course the Douhs flows between piue-clad mountains over a limestone bed, in the cavities of which the clear rapid stream sometimes disappears altogether. On approaching the Swiss frontier in the lower part of the canton of Morteau, the river, iucreased by numerous streams, forms a fine broad sheet of water, pent in at its northern extremity by the mutual approach of wild rocky precipices on each side, which leave a passage only 27 feet in width; through this gorge the river dashes perpendicularly down a space of 87 feet, aud forms a magnificent cataract, the snowy foam and thnndering roar of which strikingly contrast with the gloom and silence of the frowning rocks and dark forests above. This cataract called Le Saut-du-Douhs, or 'the Doubs' Leap,' is the finest in this part of France. A great deal of timber is floated down the river. The navigahle reaches of its south-western course form part of the canal from the Rhone to the Rhiue, which, leaving the Saone near St.-Jean-de-Losne and runuing along the western valley of the Doubs, joins the Rhine near Mulhausen. The only other river worth notice is the Oignon, which rising in Haute-Saône, and fowing due south to near Villers-Sexel, then turns south-west, separating the department of Haute-Srône from those of Douba and Jura, and enters the ${ }^{-}$Saône just within the department of Côte-d'Or after a course of 68 miles.
The surface of the department contains 1,292,151 acres. About 178,000 are more or less capable of cultivatiou, 301,000 are under wood and forests, 176,000 are mountain pasture, and 254,000 are irreclainablo heaths and marshes. The whole department is divided into four arrondissements, which, with their subdivisions and populatiou, are as follows:-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Besancon | 8 | 209 | 110,826 |
| 2. Pontarlier | 5 | 89 | 52,195 |
| 3. Baume - | 7 | 189 | 68,354 |
| 4. Montbelliard | 7 | 162. | 65,304 |
| Total | 27 | 649 | 296,679 |

1. In the first arrondissement the chief town is Besancon [Besançon]. Ornans, the only other town worth notice, is prettily situated on the Loue, which is crossed by two stone bridges, at a distance of 10 miles S.F. from Besançon, and has a population of ahout 3000 , including the conmune. It is a well-built town. The most remarkable structures are the church of St.-Lanrent and the town-house, in connection with which are the market-hall and prison. On an elevated platform commanded hy high hills, and just outsido the town, are the ruins of a strong castle, one of the residences of the old dukes of Bourgogne. The town has an ecclesiastical college, a largo trade in cheese, and innoufactures of paper, leather, and kirschwasser, which is distilled from the cherriea abundantly grown in the neighbourhood.
2. In the second arrondissement the chief town is Pontarlier, which stands in a valley between the Jura Mountains, at the junction of the Drageon with the Doubs, 35 miles S.E. from Besançon, in $46^{\circ} 54^{\prime} 9^{\prime \prime}$ N. lat., $6^{\circ} 21^{\prime} 37^{\prime \prime}$ E. long., and has 4936 inhahitants. It is well huilt, with neat houses arranged in wide straight streets; the principal buildings are the cavalry barracks, the college, the raarket-house, and the town-hall. The town is the seat of a trihunal of first instance, and has a puhlic library, a communal college, large iron-foundrics and sniclting furnaces, hydraulic saw-mills, a copper-foundry, a brewery, and several tanyards. Besides the products intimated, cheese, cattle, horses, watches, extract of wormwood, paper, and agricultural implements enter into the commerce of the town. Mont-Benoit, a small placo 9 miles from Puntarlier, deserves mention only on account of the large luildings of the Benedictine ahbey from which it takes its name, and which are classed among the historical monuments of France. The abbey existed from the beginning of the 12 th ceutury to the first French revolution, when it was suppressod. Morteau, a small place of great manufacturing industry, on the left bank of the Upper Doubs; and Mouthe, near its source, the inhahitants of which are engaged in felling timber and in rearing cattle and horses, are the only other places worth notice.
3. In the third arrondissement the chief town is Baume, or Baume-les-Dames, which stands in $47^{\circ} 22^{\prime} 9^{\prime \prime}$ N. lat., $6^{\circ} 21^{\prime} 43^{\prime \prime}$ E. long., on the right hank of the Doubs, and on the Canal du-Rhone-au-Rhin, at the extremity of a fine plain inclosed by vinc-clad hills. It is a neat little town, and contains a fue church, an hospital, a collcge, a small public lihrary, and a tribunal of first instance. The population is 2544 ; who manufacture iron, glass, paper, leather, \&c. From the 5th century to 1789 Baume was celehrated for its Benedietino nunnery, the inmates of which had to give proof of nohle descent, and were not cloistered. Clerval, higher up the Doubs; Isle-sur-Doubs, still more to the northward; Rougemont, near which there are extensive stalactitic cavcrns ; and Vercel, 13 miles E. of Baume, are small places, which give namc to some of the other cantons, and have ahout 1500 inhabitants each.
4. In the fourth arrondissement the chief town Montbelliard, or Montbeliard, stands in the northern anglo of tho department, iu a valley between the Vosges and the Jura Mountaius, 48 miles N.E.
from Besançon, in $47^{\circ} 30^{\prime} 36^{\prime \prime}$ N. lat., $6^{\circ} 48^{\prime} 19^{\prime \prime}$ F. loug., and has a tribunal of first instanco, a college, and 5605 inhabitauts, including the commune. It is situated at the couflucuce of the Alan and the Lusine, about three miles north of the point where their united waters enter the Doubs. The towu is well built, and ormamented with several fountains: the most remarkable buildiugs are-an old castle flanked by stroug towers (which now serves for a prison), the church of St.-Martin, the town-house, the market-house, and tho hospital. Watch and clock movements, hosiery, files, cotton-yarn, leather, scythes, and other agricultural implements are manufactured; there is also a brisk trade in corn, colonial produce, cheese, linen, deals, oak planks and staves, timber, \&c. Montbelliard was formerly a place of great strength. It was the capital of a county which, after. having formed part of the kingdom of Bourgogne, was included with the latter in the estates of the Emperor Courad II., but was soon after governed again by its own counts. In 1395 the county came by marriage to the Wurtemberg family. The town was taken by a surprise hy the French uuder Marshal de Luxembourg in 1647 ; Louis XIV. took it in 1674, and demolished the ramparts. The eldest son of the dukes of Würtemherg resided in Montbelliard from 1723 till the outbreak of the first French revolution. French troops occupied the town in 1793, and it was ceded with its territory to France by Würtemberg in 1796. There is an Anahaptist chapel at Montbelliard. Audincourt, $3 \frac{1}{8}$ miles from Montbelliard, is a small place of about 2000 inhahitants, but it has one of the finest establishments in France for the manufacture of iron, yielding annually 500 tons of pig, 2000 tons of hammered, and 500 tons of sheet iron, besides 20,000 cases of tinned plates. There is a Calvinistic church in Audincourt. The places that give name to the other cantons are mere hamlets.
The department, together with that of Haute-Saône, forms the arch-diocese of Besançon; it is under the jurisdiction of tho High Court of Besançon, and helongs to the 7th Military Division, of which Besançon is head-quarters. There is a university acadeny, an endowed college, and a consistorial church at Besançon.
(Dictionnaire de la France; Balbi, Géographie; Annuaire pour $l ' A n$ 1853.)
DOUGLAS, the capital of the Isle of Man, a market-town, seaport, and watering-place, is situated ou the south-east coast of the island, in $54^{\circ} 10^{\prime} \mathrm{N}$. lat., $4^{\circ} 27^{\prime} \mathrm{W}$. long., distant 75 miles N.W. from Liverpool, and 281 miles N.W. from London. The population of the town of Douglas in 1851 was 9830 . The town is chiefly in the parish of Onchan, or Conchan : a small portion is in the parish of Braddan, or Kirk Braddan. The livings of hoth paishes are vicarages in the archdeaconry and diocese of Sodor and Man.

The name of the town was formerly written Dufglass, which is supposed by some to have been derived from the two rivers Doo and Glass, which ruu close to the town. The view which is ohtained on approaching the bay is extremely interesting and beautiful. The bay is about three miles in extent, reaching from Clayhead to Douglas Promontory, in the form of a crescent, and sheltered from all winds except the south-east. Much improvement has taken place in Douglas of late years, especially since the establishment, in 1830, of regular communication by steam-vessels between Liverpool and the Isle of Man. The steamers ply daily in summer and twice a week during the winter. Steamers also ply occasionally to Fleetwood and Dublin. Douglas has become a favourite residence and watering-place. The new town has a well-arranged square and several haudsome terraces, and is being extended northwards. The margin of the bay is studud with numerous fine marine villas. Castle Mona, erected by the Duke of Athol, and formerly one of his seats, but now used as an hotcl, is a large and handsome building. The pier, which is 520 feet long, and upwards of 40 feet hroad, was built by government at the cost of 25,000l.

Among the puhlic buildings may he noticed the court-house on the pigr; the custom-house for the island, an extensive huilding in the market-place; the Wellingtou market, a commodious erection with a large room for public entertainments; the House of Industry, which affords an asylum for upwards of seventy aged and infirm persons, and is supported hy subscriptions and annual collections in the churches; the Odd-Fellows Hall, a large and elegant structure, erected hy a hody of shareholders for public dinners, balls, concerts, \&c.; and a puhlic hospital in Fore-street, with a dispensary attached.
The parish church of Braddan, an ancient structure, was partially rehuilt in 1773. In Keith's 'Catalogue' it is said that " Mark, bishop of Man, held a synod at Kirk Braddan in 1292, when 39 canons were made." There are 4 chapels, the oldest heing St. Matthew's; St. George's is pleasantly situated on an eminence at the west end of the town ; a third is dedicated to St. Barnahas; the fourth is St. Thomas's, a very handsome edifico recently erected. The Wealeyau Methodists have two chapels, and the Primitive Methodists, Scotch Presbyterians, Independents, Roman Catholics, Baptists, Plymouth Brethren, and Mormonites havo each a placo of worship. There are Natioußl and Infant schools; a Free Grammar school connocted with St. Matthew's chapel ; a school supported by the Wesleyan Methodists; two savings hanks; a mochanics institute with library; aud four puhlic libraries.

The manufacture of lineu and canvas is carried ou to a considerablo extent. There are paper, woollen, and rope-works. Ou the shore aro numerous bathing-machines. By an act of the Iusular legislaturo, or

Docmater (which holds its sesaions at Castlotown), in 1851, the government of the town of Douglas is vested in the hands of nine commianioners, with power to levy rates for sewerage, watehing, lighting, de.

In the neighbourhood of Donglas are remains of a mnnnery erected by St. Bridget in the early part of the 6th century. In Braddan churchyand are some very ancient stones, the inscription on one of which is in runio clanmetem, and vers perfect; others are of a rude description.
(Townloy, Jowmal in the Jale of Man: Parliamentary Papers; Communication from Douglas.)

DOUGLAS [LaNamksurre]
DOULLEENS [SOMMR, dep.]
DOUSF [PRRTHSHRE]
DOUR [1 AINACLT.]
DOUlRO (in Portuguese), DUERO (in Spanish), are the names of one of the largeat rivers of Spain and Portugal. The Dnero rises in the provinco of Cartilla la Vieja, about 30 miles W.N.W. from the town of Soria Its course to Soria is very irregular, along the slopes of a series of blcak ridges which extend north-westwards from the great mountain mars of the Moneayo. From Soria to the village of Almaral, where it roceives the Rituerto, it flows southward. Its course is afterwards to the west through the central perts of Castilla In Vicjn and Leon, during which it receives the Ucoro, the Pisuerga, the Rio Seco, the Fsla, and other large affluents, besides numerous smaller ones. Soon after receiving the Esla it turns to the south, and flows in that direction about sixty miles, forming the boundary between Spain and Portugal, till it meets the Agueda In this part of its course it receives the Tormes and other tributaries After its junction with the Agueda it enters Portugal, takes the name of the Douro, and flowing across the conntry in a western direction enters the sea below Oporto. During its courso through Portngal it receives the Sabor, the Tua, the Corga, the Tamega, and other rivers, on the north bank; and the Coa, the Tavora, and Pavia, on the south bank. "It divides the province of Beirn on the south from the provinces of Tras os Monten and Fintre Douro Minho on the north. The ontire longth of the river is abont 500 miles. The bridges which cross it amouut to about 20, of which abont I6 are of stone.
The navigation of the Douro extends from Oporto to Sas Jomi de Pesqueira, a little below the mouth of the Sabor. During heavy raing, or when the nnow is melting on the mountains, and eapeeially when the rains and melting suow act in combination, the river becomes very deep, and the current extromely rapid. It sometimes rises to such a height as to inundato the whole of the lower part of Oporto, rushing over the bar at the mouth of the harbour with a roaring noise, and occasionally forcing the vensels out to sea, no cable and anchor being then strong enough to hold them. The vessels however aro usually eeeured hy a strong boom, one end of which is made fast on board and the other eud on the shore. The navigation of the river is geuernlly difficult, and when full is very dangerous, not ouly from the rapidity of the current, hut from the massen of broken rocks which in some places obutruct the bed of the river. The wine boats whieh navigato the Douro ane flat-bottomed; the largest will contain about 70 piper, the smallest about 30 pipes. By these boats the whole of the wine of the Upper Douro is conveyed to Oporto, where it is stored for exportation, chiefly to England.

DOVEDALJ: [Deabranire]
DOVFR, Kent, one of the Cinguc Ports, a borough, sea-port, and market-town, rusl tho seat of a Poor-Iaw Union, is situated in $5 I^{\circ} 0^{\prime}$ N. lat., $I^{\circ} 18^{\prime}$ F. long. ; distant 16 miles S.E. by S. from Canterbury, T1 milem E.S.L. from London by road, and 88 miles by the SouthFinstern railway. The population of the borough in 1851 was 22,244 . The borough in goverued by 6 aldermen and 18 councillors, one of whom is mayor, and roturns two members to the Imperial Parliament. The livings are in the archdeaconry and diocese of Canterbury. Dover Poor-Iaw Uniun contains 23 parishes and townshipe, with an area of 27,068 acren, and a population in 1851 of 27,044 .

Dover is rituatod on the coast, at the opening of a deep ralley formed by a rleprowsion in the clanlk hille, which bero present a transveres section to the nea. Thin depression, which runs in to the lnterior for nevcral milew, forms the basin of a mmall stream called the Dour. The site of Dover belng the nearent point of communication with the coatinent, It was at sin early period of British history an important place. At or near thin point Julius Cemer made his first attenpt to Iand on the liritinh shores, whon the height of the cliff, and the warliko appearace of the natlve collected upon them, warnod him to meek a moro accomible landing-place. In the time of Eidward the Confemor Dover was made one of the flve ports appointed to be maintainol for the special defence of the coast, and called from their number 'The Cinque Ports.' Wlllinm the Conqueror met with oppowition at Dover, which he remembervel and revenged; but he did not on that account oreclook the importance of the station, or neglect to atrengthen the defences and restoro the town. Subsequent soveroigns and government have paid due attention to the fortifications at Dover, which from its poaition wan at an early date regarded as "the key of the kingdom.' In Dover King John mubmittod to the pope, and surrenderal his kingdom to the papal auncio. In 1205 a French fleet atticked and plundered the town; the luluabitants however
procuring aid from the murrounding conntry roturnod with a largo force and drove tho Frenchmen to thcir ahips with considerahle loss. A fow years subsequently to this affair the French ngnin attacked and burnt the town. The castlo bos beeu frequently besieged: on one ocension II ubert de Burgh, appointed constable of Dover Castle hy King John, gallautly maintaulued his position hero against the dotero mined attacks of Louis, the dauphin of France, who after returning a third time to the siego was compelled to abandon the atternpt, on which he had spent ieveral months. De Burgh then collocting the navy of the Cinque Ports, of which he was warden, attacked with 40 ressols a French flect of zore than double his force, and took or destroyed all but about 15 vessels. This oveut put an end to tho hopes of the danphin, who won after retired from Britain.

In the war between the crown and the Parliament Dover Castle, which was in the hands of the Royalists, was suddenly seized for tho opposito party by a fow determinod men of Dover, headed by a merchant of the town, who in the silence and darkness of midnight scaled tho walls, and overcoming the surprised sentinels opened the gates to a party of their adherenta, before whom the garrison, unaware of the smallueas of the assailing force, procipitately fled. In 1745, when a visit from the Protender was looked for, the military works were considerably extended. Half a contury later, when Buuaparto threatened an invasion of England, the military works of Dover Castle were after carefin survey romodelled and enlarged, and considerable additions made to the fortifications. The solid rock was excavated for the construction of harracks, and accommodation was providal for a garrison of from 3000 to 4000 men. On the other side of the town the Heights were also fortified; and on the hill above the town barracks wero erected. A passage to these barracks was construeted in a perpendicular shaft with three flights of stairs, each of 140 stepm From the hill at the top of this Grand Shaft, as it is called, an excollent view of the town and the chanuel is obtained. Eixtensive batterics of great strength are erected here, which aro not however mounted with cannon. Indeed as they have happily not been required the works have never been fully completed.

The town of Dover is not in itself very attractive. The principal street is about a mile in length, running in the direction of the valley. Many showy houses for sca-bathing and other visiters have been built of lato years ; there are also some handsome shops and abstantin public offices. The station of the South-Eastern railway is a building of some importauce; and there is an hotel ou a very large scale. Of seven churches once possessed by the town only two remain. St. Mary's church has a Norman tower. The edifice was restored some years back. St. Janes's church has also some Noruan features. Two churches have been erocted within the last few years. Christchurch, in the parish of Hougham, is within tho town of Hover. The Baptists, Indepeudeuts, Quakers, Methodists, and Boman Catholics bave places of worship here. Thore are National aud Freo schooln, a dispensary aud an hospital iu coujuuction with it, a proprictary library, and a savinga bank. A county court is held in the town. Wrednesday and Saturday are the market-days: fairs are held in November. Some paper-mills aud corn-mills are in the neighbourhood.

Dover is the principal station and the sat of government of the Cinque Ports; the other cinque port towns being Hastings, Sand wich, Hythe, and Romney. Various changes have taken place in the circunistances, and even, from the coutinued contest between men and shore, in the physical features of some of these ports. Other towns and ports hare been added to tho original confederation under the title of members. The chief object for wluch the Cinque I'orts were constituted into a distinct jurisdiction and cndowed with peculiar privilegen has been for two centuries supersoded by the establishment of tho naval force of this country; and anost of the ancient privileges of the ports have been abrogated by the operation of the Mrunicipal Corporations leform Act. Still Dover from its position in relation to the Continent must always be regarded as an importaut point on the British shores. The warden of the Cinque Ports is constahle of the castle of Dover.

The shipping trade of Dover is not very cxtensive, the harbour being constantly liable to be filler up hy the influx of sand and shingle. Ship-building, sail-making, rope-making, aul other trades dependent ou the shipping aro carried on to some extent. The vesnels registered as belonging to the port on 3Ist December $1 \$ 52$ were:Uuder 50 tons 51 , tonnage $I 421$; above 50 tous 22 , tomnge 2108 ; and 2 stean vessels, tonuage 106.

The vessels enterod and cleared at the port of Dover during 1852 were mallows:-Coasting trade, invard 407, tonaage 33,088; outwards 129, tounage 6701: colonial trade, Inwards 10, tomage I141: foreign trale, inwards is tonnage 0898 ; outwands 69, tonnnge 3410 steam roascle, inwardn I6, tonnago 2082. As Dover is the principal pilut station of the Cinque Portn, thore are 66 pilots atationed hero for the Chaunel service.

Many endcavourn have bcen made at various periods and at cnornous cost to improvo Dover Harbour; but theeo efforts have beon to a great extent rendered inoffectire in consequence of the continual accumulatlou of eand and shinglc. The authorities however continue to use means to kcep the harhour as clear as possible, and to maintain the depth of water requisito for the packet service.

Dover Harbour lin peculine importance also from the operatione
carried on with the vicw of making it a harbour of refuge. The Report of the Government Commissioners appointed in 1844 to investigate the subject recommended the construction of works so extensive as to involve an outlay of two and a half millions of money. The commissioners recommended that in the first place a pier should be run out from Cheesman's Head into 7 fathoms water. This portion of the work is being carried forward; its progress however depends much upon the state of the wind and weather.
(Hasted, Kent; Batchelor, Guide to Dover: Land We Live In, vol. ii. ; Parliamentary Papers; Communication from Dover.)

DOVREFIELD. [NoRway.]
DOWLETABAD, a strongly fortified town in the province of Aurungabad, 7 miles W.N.W. from the city of Aurungabad, in $19^{\circ} 57^{\prime} \mathrm{N}$. lat., and $75^{\circ} 15^{\prime} \mathrm{E}$. long. The fort consists of an enormous insnlated mass of granite, standing a mile and a half from any hill, and rising to the beight of 500 feet. The rock is surrounded by a deep ditch, across which there is but one passage, which will allow no more than two persons to go abreast. The passage into the fort is cut out of the solid rock, and can be entered hy only one person at a time in a stooping posture. The place is altogether so strong, that a very small number of persons within the fort might bid defiance to a numerous army. On the other hand, ethe fort might be invested by a very inconsiderable force, so as to prevent supplies being received by the garrison, who, owing to the intricacy of the outlet, could never make an effective sally. The lower part of the rock, to the height of 180 foot from the ditch, is nearly perpendicular, and impracticable to ascend. The rock is well provided with water

Dowletabad is now included in the territory of the Nizam of Hyderabad. Since the seat of government has been transferred to Aurungaban the town of Dowletabad has greatly decayed; only a small portion of it is now inhabited.

DOWN, a maritime county of the province of Ulster in Ireland; lies between $54^{\circ} 1^{\prime}$ and $54^{\circ} 41^{\prime} \mathrm{N}$. lat., $5^{\circ} 30^{\prime}$ and $6^{\circ} 24^{\prime} \mathrm{W}$. long. ; is bounded N. by an angle of Lough Neagh, the county of Antrim, and the Bay of Belfast; E. and S. hy the Irish Channel ; and W. by the counties of Louth and Armagh, from which it is partly separated by the Bay of Carlingford and the River Newry. The greatest length from Cranfeld Point on the south-west to Orlock Point on the northeast is 51 English miles; the greatest breadth from Moyallan on the west to the coast near Ballywater on the east is 38 miles. The coast line (including Lough Strangford) from Belfast to Newry, exclusive of small irregularities, is about 125 English miles. The area according to the Urdnance Survey of Ireland, consists of 608,415 acres land, and 3502 acres water, being 611,917 acres in all, statute measure or 956 square statute miles nearly. The population in 1851 was 328,883 .
Surface, Mydrography, Communications.-Down forms the southeastcrn extremity of Ulster. The surface of nearly all the county is undulating; but the only uncultivated district is that occupied by tho Mourne Mountains and the detached group of Slieve Crooh. The mountainous district of Mourne is bounded E. by the Bay of Dandrum and W. by the Bay of Carlingford, and covers an area of nearly 90 square miles. In this range are numerous mountain elevations, reaching in the caso of Slieve Donard to 2796 feet. This mountain group contains much picturesque scenery, and is adorned with several fine mansions and extensive plantations. The Slieve Croob range covers an area of about 10 square miles to the north-east of the Mourne Group. Slieve Croob, the highest elevation of the range, has an altitude of 1755 feet; on its north-eastern declivity the river Lagan rises at an elevation of about 1250 feet above the level of tho sea.

The remainder of the county, about 850 square miles, is productive, being cither under cultivation or serving the purposes of turbary. A low chain of cultivated eminences, well timbered, and on the northern and western side covered with the demesnes and improve ments of a resident gentry, commencos east of Dromore, and extends under various names along the valley of the Lagan and the eastern shore of Belfast Lough, as far as Bangor. This range separates the basin of tho Lagan from that of Lough Strangford.

The eastern shore of Belfast Lough has no anchorage for vessels above the third class. There is a small quay for fishing and pleasureboats at Cultra, a mile below the bathing village of Holywood, where regattas are held. Out of Belfast Lough the first harbour on the const of Ards is at Bangor. East of Bangor is the little harbour of Groomsport or Gregory's Port, whero Duke Schomberg landed in 1690. South-east of Groomsport is Donaghadee, the only place of sccurity for a large vessel from Belfast Lough south to the harbour of Strangford. [DONAGHADEE.] North of Donaghadee lie three islands, called the Copelands, from a family of that name which formerly held the opposito coast. On one of these, called the Cross or Lighthouse Island, thero is a lighthouse, which marks the entrance to Belfast Lougls from the south. This building which was erected about 1715, is a square tower, 70 feet high to the lantern; the walls are 7 feet thick. The sound between Big Island, which lies nearest the land, and the shore of Down, is about a mile and a quarter in breadth.

Frova Donaghadee south the coast is low, rocky, aud dangerous. Tho rock of Sculmartin, covered at half-flood, and the North and Sontli Rocke, tho former never covered, tho latter at every half tidc, lie farthest off shore, and are most in the way of vessels coming up
channel. The lighthouse erected on South Rock in 1797, has proved highly serviceable to all traders in the channel. At Ballywalter, Ballyhalbert, Cloghy, and Newcastle, in Quintin Bay, all situated on the eastern shore of Ards, are fishing stations; but there is no shelter in any of them for vessels of more than 30 tons.

South from Newcastle is Tara Bay, much frequented by fishingvessels, and capable of great improvement. The peninsula of Ards runs out at Ballyquintin to a low rocky point south of Tara Bay. A dangerous rock called the Bar Pladdy, having 11 feet water at spring ebbs, lies immediately off Quintin Point. The entrance to Strangford Lough lies west of the Bar Pladdy, betweeu it and Killard Point, on the opposite side. Within the entrance the Lough expands into a very extensive sheet of water, extending northwards to Newtownards and nearly insulating the district between it and the sea. The tide of so large a sheet of water making its way to and from the sea, causes a great current in the narrow connectiug straitat every ebb and flow and renders the navigation at such times very difficult. Across this strait is a ferry, which gives name to the town of Portaferry at the eastern or Ards side of the entrance. The town of Strangford, which lies opposite, is supposed to derive its name from the strength of the tide-race between. The true channel, at the narrowest part of the strait, is little more than a quarter of a mile across, being contracted by rocks, one of which, called the Rauting Wheel, causes a whirlpool dangerous to small craft. There is another but less dangerous eddy of the same kind at the opposite side. Within the entrance there are several good anchornges, and landing-quays at Strangford, Portaferry, Killileagh, the quay of Downpatrick, and Kirkcubbin. Strangford Lough contains a great numher of islands, many of which are pasturable, and great numbers of rabbits are bred on them. From Killard Point the coast bears south-west, and is rocky and foul as far as Axdglass, where there is a pretty good harbour for small vessels. Immediately west of Ardglass lies the harbour of Killough, between Ringford Point on the east and St. John's Point ou the west. A natural breakwater extends between these points, and gives a pretty secure anchorage for large vessels within. There is an inner harbour for small craft, dry at ebb, with a quay, built about the beginning of the last century
West of St. John's Point opens tho great Bay of Dundrum, which extends from this point on the east to the coast of Mourne on the West, a distance of about four leagues by a league in depth, running north by west. The pier and harbour of Newcastle on the southwestern side of the bay are highly serviceable to the fishing-boats of the coast, and have been the means of saving several vessels within the last few years.

From Newcastle south to Cranfield Point the coast of Mourne possesses only three small boat harbours, the principal of which is at Derryogue, where there is a fishing station. On this part of the coast, near Kilkeel, is a lighthouse 120 feet high. Between Cranfield Point on the east, and the extremity of the barony of Dundalk, in the county of Louth, on the west, is the entrance to the extensive harbour of Carlingford. This Lough is about 8 miles long by a mile and a half broad, and has steep mountains to the east and west along each side. From Narrow Water, where it contracts to the width of a river, the tide flows up to Newry, whence there is a canal communication with the Upper Bann River, which flows into Lough Neagh. There are numerous rocks and shoals at the entrance, and a bar all across, on which there are but 8 feet of water at ebb tides. The middle part of the lough is deep, but exposed to heavy squalls from the mountains. There are two great beds of oysters in this lough, one off Rosstrevor Quay, $2 \frac{1}{2}$ miles long by half a mile broad; the other off Killowen Point, one mile long by half a mile broad. Warren's Point has a good quay, from which steamers sail regularly for Liverpool; most of the exports of Newry are shipped here from the small craft that bring them down the canal. The scenery on both sides of Carlingford Lough is of striking beauty.

IIydrography, Communications, dec.-With the exception of the Upper Bann, all the rivers of Down discharge their water into the Irish Channel. The navigable river Lagan, which, for about half of its course, has a direction nearly parallel to the Bann, turns eastward at Magheralin, 4 miles north-east of which it becomes the county boundary, and passing by Lisburn falls into the Bay of Belfast after a course of about 30 miles. The Ballynahinch or Annacloy river brings down the waters of several small lakes south-east of Hillsborough, and widens into the Quoile river, which is navigable for vessels of 200 tons one mile below Downpatrick, where it forms an extensive arm of Strangford Lough. The Quoile is covered with numerous islands, and its windings prescnt much beautiful scenery. The Newry river rises near Rathfriland, and flowing westward by the northern declivities of the Mourne range, turns south a little ahove Newry, and after a short course falls into the head of Carlingford Lough. Numerous streams descend from the district of Mourne immcdiately to the sea, and there is no part of the county deficient in a good supply of running water.

The Lagan navigation, which was commenced in 1755 , aud connects Lough Neagh with Belfast Lough, gives a line of water communication to the entire northern boundary of the county; and the Newry Canal, connecting the navigable river Banu with the Bay of Carlingford, affords a like facility to the western district, so that, with the
exception of about 10 mile between the Dauu and the termination of the Lagan narigation, the entire county boundary is formed oither by the const line or by liues of water carriage. The summit level of the Laguan anvigation towands Lough Nengh is 112 feet above the lovel of the sea.

The Newry Canal almits remels of 50 tons through the heart of Ulster. This canal, wblch was commenced in 1780, and opened In 1\%11, lies partly in the county of Down and partly in Armagh; it extends, from its junctiou with the Bann liver near Gilford, to Fathom, on the Bay of Carlingford, about 14 Irish or 179 English miles, having its surnmit lovel 77 feet above the sen. The average brendth of the canal at top is 10 feet: the locks aro 15 in uumber, and 22 feet in the clear. Its management is now under the control of the Board of Works

Down is well supplied with roall. The great northern road from Relfins to Dublin passes through the county from uorth to south, by llilaborough, Dromore, Banbridge, Loughhrickland, aud Nowry: this it tho only turnpike-road ln Down. The other elicif lines nre from Belfast to Donaghadeo by Nowtownards: from Belfnst to DownMatrick by Ballynahinch; and from Dowopatrick to Newry by Castlowellan and Rathfriland. Tho Ulster mailway, from Belfast to Armagh, pasees through parts of the parishes of Moira and Shankill in this county. A ralway has been constructed from Belfast to Holywood, a bathing.place much resortod to by the citizens of Belfast in summer. Another line, whieh is to extend to Donaghadee, has been completed as far as Newtowuards; another branch is projected to Dowupatrick : tbese lines form part of the Belfast and County Down railway.

Gealoyy, Mincralogy, dee.-The chief geological features of the county are strongly marked. The Mourne and Slieve Croob groupe consist of granite. The bouudary of this primitive district begins from the cast at Dundrum, whence pasaing northward to Slieve Croob, it runs nearly due west, including the lordshlp of Newry, and passes into the adjoining countios of Armagh and Louth. Nortbward and eastward of the granite district the whole of the remninder of the connty is occupied by an extension of the transition series which forms the sonthern besin of Lougb Neagh. Clay-slate in greater or leas degrees of induration is the provalent rock. Towards the sca on the northeast and east, slate quarries are common. On the Antrim boundary near Moirn, an extension of the tertiary limestono or chalk formation, which occurs throughout the basaltic district, occupies a mall portion of thi county, and afforis a valuable supply of lime mannre. Limestono boulders are found along the eastern shore of the Bay of Belfast ; and at Carthospll, near Comber, on the western side of Strangford Lougb, tbere is a quarry of reddish granular lime. tome. Great quantities of marl are raised in the neighbourbood of Downpatrick.
Copper ore has been found in the mountains about 5 miles northoant of Rosstrevor; also near Portaforty, and at Clonligg, between Nowtownards and Bangor, and in 1853 in the neighbourhood of Dun. drum. At Bangor is a lead-mine which has been worked with morlerate success at various times. Lead ore occurs on the estate of Ballyleady, in the mame neighbourhood, and on that of Bryansford, near N'ewcastlo ; also at Killough, and near l'ortaferry.
Cbalybeate spas occur at Nowry, Dromore, Magheralin, near Donagbadee, and Rathfriland, and at various places in the barony of Ards A chalybeate spring strongly lmpregnated with sulphur and nitre rises about 2 miles north-west of Ballyahinch, on the declivity of Slieve Crooh mountain, which has been found very efficacious iu scorbutie canes: the rillage of Ballymahinch has in eonsequence become a rather fushionable resort during the snmmer months.

Climate, Soil, Agriculfure. The vicinity of the sea preventa the continuanco of fronts on the east and south; and the insulated position of the mountainous tract confines the heavier mists and raius to that part of the connty whero their effects are least felt. The general inequality of the ground carries off surface waters and prevents damps, no that the climato, although somewhat cold, is considered healthy. The prevailing wind in apring aro from the cast: westerly winds, although more frequent than from any other point, have not so great a provalence as in the neighbouring counties. Larch timber thrives on very exposed aituations on the Mourne mountains.

The provelent woil in the low distriet is atony loam formed by the decompronition of the mehistone rock. Clayey soils aro coufined to the northenet of the county and the berony of Ards, aud are of a mtrong and productlve quality, but thoy aro wet and require a large quantity of manure. The richest soil in the county is in the district of Lecale, and a mamll trect of loan lncumbent on limestone gravel in the neighbourhood of Moirm and Magheralin: the timber here is of larger growth than olsewhere in Dowin. Allnvinl tracts are frequent, and yield laxuriast crope of grem without manura. Connderable quancitiou of whest aro raied througbout the county, but chlefly along the shore of Strangford Longh; oate and barley are the chlof produce of the mouth and centre of the county. Fencen on the Antrin boundary aud aloug the line of the Dublin road are of quickthorn; clay banks and dry stomo walls are most frequent in the other parts of the county.

Large quantitios of sea.woed are used an manura along the northent and eastern const. The distance of limestone quarriee rendera lieno manuro rery expensive throughout the central learonies; but in
the south and couth-cast thore is an abuntant supply of narl in tho barouy of Lecale. Thin valuable substance is found is moransen and alluvial trecta at the bottoms of hille, and consiats eutirely of marinc exuvise : the bod of marl is sometimes 5 feet in thlcknens.

Down is not a graxing county, nor are thero sheep farms; but greas numbers of plge are reaned for the provinion markets of Nowry and Helfast. The geseral condition of the people ls much superior to that of the penmantry of the southern countica. The resident nobility and gentry are more numerons in pioportiou to the oxteut of the county than in any other part of Ulater. The yeomanry of the county aro an intelligent class,

Down contaias nine baronies, and part of the lordship of Newry; the remainder of this division lying in Armagh. The baronles areAnds, on the arst and north-east, betweeu Lough Strangford and the vea: Castlercagh, Lower and Upper, on tho north-east and north, between Lough Strangford aud the eounty of Antrim: Dufferin, onf the prestern shore of Lough Strangfond: I veagh, Lowor, ou the uorth and north-west towards Antrim and Longh Neagh: Iveagh, Upper, on tho west aud mldand: Kinalearty, midlaud, between Upper Iveagh and Dufferin: Lecale, on the south-cast, between Strangford Lough and Dundrum Bay: Moume, lyiug between Dundrum Bay and Carlingford Lough; and part of the londship of Newry. Janbmdge: Dosaghades; Dowspatrick, the couuty town; Dhonore, tho egat of a bishop; Kileeel ; Newtownards, and the Dowashire part of the town of Newny, aro noticed iu separate articles. Malymacarrott is noticed under JeLFast, of which it is a suburh. Other places which require to be mentioued we notice here.

Ardglass, a decayed town, and small sea-port, at the head of the Bay of Ardglass, is distant 7 miles S.E. by S. from Downpatrick; population 974 in 1851. In the tine of Henry VI. Ariglase was a royal borough, governod by a portreeve; it was also at that tine represeuted in the Irish Parliament, and had a conslderable trade. After the robellion of 1641, and the aubsoqueut rise of Belfnst as an important sca-port, Ardglasa sunk into insignificance. Latterly it h.as somewhat iuproved; the harbour is frequented by mumerous fishing boats, and small cossting vessels; and visiters resort here iu considerable numbers during the season for bathiug. The harbour aud bay afford good shelter.
Ballymahinch, a small town near the centre of the county, $i$ miles N.W. hy W. from Downpatriek; population 1006 in 1851, is aituaterl in a vale between ranges of rocky hills. Of late years more easy communjeation has been obtained with neighbouring towus by meaus of now roads. Fairs are held in Ballynahinch ou the thind Thursday in each mouth. Near the town is Montalto House, once the principal residence of the Hastings family.

Bangor, \& sea-port, market-town, and borough, is situnted on the shore of Bangor bay, on the south side of tho eutrance to IBelfast Lough; distant 18 miles N. from Downpatrick; popnlation 2850 in 1851. Bangor is rather irregularly built, but has on the wbole an agrocahle appearance. Besides the parish church, thoro are two l'resbyterian meating houses aud a Methorlist chapol. Efforts have been made during soveral years past to improve the harbour. A dock has been construeted; A sumall harbour suitable for boats has also been made, and a pier run out from the south-east shore obliquely across the bay. There is a good deal of intercourse by vensels between Bangor and Portpatrick on the west const of Scothad. The lineu and cotton manufactures employ many of the inhabitants of the town and noighbourhood. Cattle and provislons are exportod. An abbey existed here at a very oarly period ; a portion of the ruins is still iu existence. Fairs are held at Bangor ou January 12th, May 1st, Angust 1st, aud November 22nd.

Castlewellan is a market-town situated ou the road from Newry to Downpatrick, between the Mourno mountains and the Slieve Croob range, 7 miles S.W. from Downpatrick; population 849 in 1851. Castlewellan is a neat town, plenmatly situated; it possesses some good huildings, including the market-house, seasions-louse, and ebapels for Roman Catholics nud Presbyterians. The market ls held weekly, the busincas transacted being chiefly in linen yarn aud farm produce. Two bleaching establishments are in the neighbourhood. Ten fairs aro held in the coure of the year. In the ueighbourhood is Costlewellan, the seat of the Earl of Annealey, the grouuds of which aro finely wooded and pieturesque.

Comber, or Cumber, is a small market-town at tho uorth-wentern extremity of Lough Strangford, 7 miles S. Fin from Belfast ; population $1790 \ln 1851$. The jubabitants aro chlefly employed in the linen manufacture. The ruims of a castle, called Mount Alexander, exist on a site which was formerly occupiod by a Cintereinn abbey. . Beaidoa the parial ehurch, there aro chapoll for I'resbyterians aud Wesleyan Methodists. At low water the beach prosents a हpheivus expanse of sand nome thousands of acres in extent. Fairs aro held at Comber ou the firmt Thunday of Jaunary, O.S., on A pril 5th, June 2 Sth, and October 19 th. Thero is hero a ntation of the Belfast aud Newtownards railway

Gilforl, population 2314, a monll market-town pleaknatly situnted on the right bank of the river Baun, about 4 miles N.W. from Banbridge. Flax mpinaing, liueu weaving, aud bleaching are carried on. Fairs are hold on Juno 21at and November 21sto Gilford Castle, the scat of Sir Williarn Jolinstone, Mart., stands near the town.

Grey-Abbey, population 858 in 1851, is nituated on the east shore of

Lougb Strangford, about 6 miles S. by W. from Donaghadee. Besides the cburch, there are cbapels for Presbyterians and Roman Catholics. The abbey from which the place received its name was founded bere in 1192 by the lady of Jobn de Courey: some interesting and well preserved remains of the buildings still exist. Four fairs are held in the course of tbe year.
Hillsberough, population 1300 in 1S51, a market-town and formerly a parliamentary borough, 64 milcs N.N.E. from Dublin, is pleasantly situated on the eide of a hill commanding an extensive view. The parish church is a handsome edifice with tbree towers. There are chapels belonging to tho Roman Catholics, Presbyterians, Quakers, and Moravians. The mansion of the Marquis of Downshire is situated ou the west eide of the town, and on the east are tbe ruins of a castle erected by $\operatorname{Sir} \mathrm{A}$. Hill in the reign of Cbarles I. ; it is now a royal fort. The linen trade is carried on to some extent. There are a markethouse, a district bridewell, and two bospitals.
Holywoed, a small sea-port town, in tbe parish of the same name, 78 miles N.E. by N. from Dublin; the popnlation in 1851 was 1408. The churcb, which is ancient, is believed to have been tbe cbapel of a Franciscan priory once established bere. Tbe Presbyterians have a large modern gothic cbapel. A few of the inbabitants are engaged in fisling, but the greater number are agriculturists or weavers. Fairs are held four times a year. During the summer montbs Holywood is resorted to for sea-bathing. The town is connected by railway with Belfart.

Killileagh, 72 miles N.N.E. from Dublin; population 1086, a small market-and sea-port town, was formerly a parliamentary borough. A castle was built here by De Courcy about the year 1180, which was demolished in $16: 18$ by Gcneral Monk. It was sbortly afterwards rebuilt. The church is cruciform and is a handsome building; the other principal buildings are a Presbyterian meeting-house, a market, and a barrack. The cotton manufacture is carried on, and the imports and cxports of iron, timber, corn, and provisions form a considerable trade. A market is held on Monday ; fairs are held four timee in the year.

Killough, a small sea-port town 75 miles N.E. from Dublin; population 951. Fishing is very extensively carried on: there is some export trade in corn : also a large salt work. In the neigbbourhood are several curioue caves.

Moira, a small town on the road from Belfast to Armagh, 66 miles N. by E. from Dnblin; population, 669. The town consists principally of one long well-built etreet, and contains a church and several necting-houses. The linen manufacture is carried on.

Rathfriland, a market-town about half way between Newry and Castlewellan, 27 miles S.S.W. from Belfast, population 2053 in 1851, ie pleasantly situated on a rocky elevation above the point where ecveral roads meet. The remains of a castle, formerly of considerahle etrength, occupy the summit of the rock on whicb tbe town is built. The town possessen a market-house, two Presbyterian meeting-houses, and a Roman Catbolic chapel ; also a dispensary for tbe Newry PoorLaw Union. The linen manufacture is tbe chief occupation of the inbabitants. Seven fairs are held in the course of the year.

Rosstrevor, population 764, a sea-port town and watering-place, is finely eituated on a gentle slope at the base of the Mourne Mouutains, about 7 miles S.E. by S. from Newry. The vicinity ie adorned witb numerous good mansions, and tbe surrounding scenery is very beautiful. The town has been mucb improved of late years. Near the town is a handsome obelisk, erected to the memory of the late General Ross. There are scven fairs held in the course of tbe year.

Siranyford, population 620, a market-town and eea-port on tbe west sbore of tho entrance of Lough Strangford, about 6 miles N.E. by E. from Downpatrick. In the neighbourhood are four of tbe castlee built by John de Courcy on tbe shores of Lough Strangford. There are here a chapel of easo, a chapel for Wesleyan Metbodists, and a custom-house. There is a small quay. A considerable trade is carried on. Fairs are held on August 12th and November 8th.

Warrenspoint, a small market-town and sea-port on tbo left bank of Newry River, at its junction with Carlingford Lougb, 5 miles S.E. by S. from Newry: population, 1769 in 1851. The town is agreeably situated, aud consists chicfly of a square and several streets whicb diverge from the square. Besides the parisb church there are ehapcls for Wesleyan Methodists, Presbyteriane, and Roman Catholics. There are lere a dispensary and a eavings bank. Considerable quantities of agricultural produce are exported. Flax is imported. The fisbery employs some of the seafaring population. Warrenspoint is the port of Newry for large vessels; and the place is in repute for sca-bathing. Fairs are held on the last Friday of every montb.

Down returns fonr members to tbe Imperial Parliament, namely, two for the county, one for the borough of Newry, and one for the borougb of Downpatrick. Besides theso borouglis, Newtownards, Bangor, Killileagh, and Ilillsborough returned members to tbe Irish Parliament, and are still corporato towns. The lordship of Newry, the greater part of which lies witbin this county, is an exempt jurisdiction both ecclesiastical and civil.

The linen manufacture is the staple trade of Down, and gives employment to a greater nnmber of operatives, in proportion to the population, than in any other part of Ireland. The linen manufacture has been long carried on in Ireland, but its first great impulse was in
consequence of the settlement of French refugees on the revocation of tbe edict of Nantes, who, by introducing tbe improved machinery of the contiment, and setting an example of more business-like habits, raised the manufacture to a bigh degree of perfection and import ance. In the 4th of Queen Anne the export duty on Irisb linens was taken off, and from that time tbe trade has continued to flourish.

Tbe importation of flax-seed employs a considerable capital in Belfast and Newry. The dressing of the grown crop gives employmeut to numerous scutchers and backlers throughout the county; but the introduction of linen-spinning machinery has materially lessened the demand for hand-labour in converting the dressed flax into thread. Weaving is mostly carried on in the bousee of small farmers, and there are few weavers who do not give part of tbeir time to agricul ture; hence they are generally a healtby and long-lived class of men When the webs are ready for the bleacher, they are carried to market.

The uext process, and that which employs nearly an equal number of hands, is the bleaching and preparing for market tbe green web as purchased from the weaver. The chief manufacturing district of tbis county, as of Ireland at large, is along the valley of the Upper Bann. The waters of this river are peculiarly efficacious in bleaching; aud its rapid descent affords numerous sites for the machinery employed. From Tanderagie in Armagh to five miles above Bauhridge iu Down, the banks of this river present an almost continuous succession of bleaching-greens. On that part of the river whicb flows through Down there are 18 of these establishments, each covering a large tract of ground, and giving employment to a numerous rural population. Besides tbese establisbments, there are upon tbe Bann extensive fiourmills, and two or three factories. The neighbourhood of Gilford and Moyallan, about half way between Banbridge and Tanderagie, is celebrated for its rural beauty. Orchards are attached to all the better class of cottages, and the vicinity of so many bleaching-greens gives the effect of a continuous tract of ricl park sccnery to each bauk of the river. The proprietors of the majority of these establishments aro Dissenters and members of the Society of Friends, and tbe population generally is Protestant. The cottou and muslin manufacture employs many persons. Tbe exports and imports of Down are made almost entirely through the ports of Belfast and Newry. About 80,000 firkins of butter are exported yearly from Down, and this as well as all otber exports is increasing.
The fishery on tbe coast from Bangor to Carlingford Bay is pursued witb a good deal of industry, but witbout sufficient capital or skill. The herring-fishery commences iu July, and is pursued throughout the autumn and beginning of winter. Tbe principal fisbing-ground lies off Lecale, at a distance of a quarter of a mile to two leagues from shore, in 3 to 17 fatboms water, and extends with little interruptiou from Newcastle on the south to the entrance to Strangford Lough upon the north. The fisb taken are herrings, mackerel, baddock, cod, ling, gurnet, plaice, and turbot. Besides tbis there are several other fisbinggrounds off tbe coasts of Mourne and Ards.
The county assizes are held twice a year at Downpatrick. Quarter sessions are held by the assistant-barrister twice a year at Downpatrick, Hillsborough, Newry, and Newtownards. The constabulary force stationed in Down in the year 1852 consisted of 255 men, including officers.
Before and for some time after tho coming of the English, Down was known as Ulladb or Ulidia, tbe original of tbe name of Ulster. The ancient inhabitants are supposed to bave been the Voluntio of Ptolemaus. The north-eastern portion of Down was at au early period occupied by the Picts, of wbom there was a considerable colony so late as tbe 6 tb and 7th centuries, extending from Strangford Lougb to the Lower Bann in Antrim. Tbe territory occupied by the Picts was called Dalaradia, and extended from the Ravil river in Antrim over the southern part of tbat county aud tbe north and nortb-east of Down.

Tbe presence of St. Patrick in this county in the 6th century is attested by authentic records, and can be traced with topographical exactness at tbe present day. Downpatrick, Saul, Dromore, Moville, and Bangor are the chief ecclesiastical foundations of Patrick and his immediate successors. Of these the last was tbe most famous, having a college which for many years rivalled the schools of Armagh and Lismore.
Down was overrun by the Enghish under John de Courcy in 1177. The county was originally divided into two shircs, Down and Newton, or the Ards, to which sberiffs were regularly appointed until 1333, when the revolt of the Irish on the murder of William de Burgbo overturned the English authority throughout Ulster. The attainder of Shane O'Neill, who was slain in rebelliou in 1567, threw all Iveagh, Kinelcarty, Castlereagb, and Lower Ards into tbe bande of tho Crown. In 1602 O'Neill of Castlereagh beung scized on eome slight pretext, aud imprisoned in Carrickfergus Castle, contrived to make his escape by the assistanco of one Montgomery, the brotber of a Scotch knight of some fortune, who afforded the fugitive protection on his arrival in Scotland, and afterwards negotiated his pardon on the terms of having the greater part of O'Neill's estate mado over to himself and Mr. Hamilton, his associate in the proceeding. The colony led over by Sir Hugh Montgomery settled chiefly about Newtownards and Grey Abbey, along the nortb-eastern coast between

Strogfond Lough and the sea, and by their enterprimo and industry, soon raied that part of the county to a very flourishing condition. The genemal planiation of Ulster zoon after gave security to their improrementa The family of Hamilton settled at Bangor and Killilengh. That of Hill, which about the maine time acgnired large estates in the sorth of the connty, gettlod in the neighbourhood of Belfast, and soon after thelr arrival laid the commencoment of a Lown at Hillsborough, the residence of their present representative, the Marquis of Downshire. At prosent the fee of the county is almost catirely in the hauds of Protestant proprietors of English and Scotch descent

Of the Pagan antiquities of Down, the mont remarkable is a stone cromlech, inclosed by a circular ditch of extraordinary dimennions, called the Giant's King, near Shaw's Bridge, half way between Lisburn and Belfnst, Tho inclusuro is nearly half an English mile in circumference; and the rampart in still from 12 to 14 feet in height. There are stone monuments of the same character at Sliddery Ford, near Dundrum, and Legaraney in the parish of Drumgoolan. There is a remarkable cairn, or sepulchral pile of stones on the top of Slieve Croob. The main pilo im 77 yards in circumference at botiom, 45 yands at top, and 54 foet high at its greatest elevation : there are 22 amaller cairus rained on the top. A great earthon rampart which runs along the Armagh boundary of Down, is called by the people of the county the Dane's Cast, aud sometimes Tyrone's ditehes. Thero are numerous rathes, or earthen eutrenched mounds throughout Down, of which the most remarkable are at Downpatrick, Donaghadee, and Dromore. Of the Anglo-Norman military antiquities of Down, the castle of Dundrum is the mont important. Green Castle in Mourne was a place of great importanco in the early history of Ulster. The castle of Newcastle was bnilt by Felix Magennis in 1588, and is still inhabited. The Magenniees had castles also at Castlewellan and Rathfriland. There are extensive military remains at Ardglass, and the castles of Killileagh, Ardquin, Portaferry, Bangor, and Hillsborough are the most important of those still standing. There are also some remains of the fortifications orected by General Monk for the defence of Scarvagh, Poyutz, and Tuscan passes into Armagh.

The chicf eccleniastical remains in Down are at Downpatrick, where are the ruins of the cathedral, and of three other religious houses, The cathodral was 100 feet in length; the roof of the centre aisle was supported by five arches of fine proportions. There is a rouud tower at Drumbo, near Belfast. A few remains still cxist of the abbey of Bangor; and at Grey Abbey there is standing in good preservation a part of the abbey founded here in 1192 by Africa, danglter of the King of Man, aud wife of De Courcy. A mile and a half to the east of Downpatrick is a hill about 150 feet high, called Strual Mountain, celobrated all over Ireland for tho resort of the lower orders of loman Catholics, who come here overy Midsummer for the performance of penance.

In 1851 there were three savings banks in the county at Hillo. borough, Newry, and Werrenspoint, The total amount owing to depositors on the 20 th November, 1851, was $49,3031.28$.

DOWN, a binhop's ine in the coclesiastical province of Armagh in Ireland. The chapter, which is regulated by patent of James I., consista of dean, precentor, chancellor, archdeacon, and two prebendarics, With the exception of part of one parish lying in Antrim this cliocese is situated entirely in the county of Down, of which it occupies the eastern portion. The see of Down was founded about the end of tho bth centnry by St. Patrick, who appointed Cailin, abbot of Antrim, to the bishopric. The cathedral of the dioceme is at Downratrick. The most distinguished bishop of Down prior to the English invasion wan Malachy O'Morgair, who gucceeded in 1137, and assisted tho Primate Gelagins in the introduction of the Roman disciplinc. In 1112 the union of Down with the see of Connor took place in the person of John, first bishop of the united diocese. By act 3nd and 4th Williem IV., c. 87, the united diocese of Down and Connor is further sugmented by the diocese of Dromore. [Conson; Dr6more.] The income of the united dioceno in 4204l. (Benufort, Memoir of a Nap of Ireland; Ware, Bi\&hops; Thom, Irish Almanac; I'arliameniary Papera)

DOWNHAM MANKET, Norfolk, a market-town and the seat of a Poorlaw Uuion, in the parish of Downham Market, is situated uear the right bauk of the river Ouse, in $52^{\circ} 36^{\prime} \mathrm{N}$. lat., $0^{\circ} 24^{\prime} \mathrm{JM}$. long., dimtant 10 miles W. by 8 . from Norwich, 84 miles N. by E. from Lomilon by rond, and $\delta 71$ miles by the Jiantern Counties and Fant Anglinn rilury. The population of the town in 1851 was 2867. The living is a rectory in the archdesconry of Norfolk and diocose of Forwich Downlum Poor-Law Union contains 34 parishes and townshipm, with an sen of 80,702 acres, and a population in 1851 of 20,976.

Downhams Markct is a town of conniderable antiquity. Spelman shatee that it had a market confimod to it in the time of jislward the Confesor. The town has been mnch improved of late ycara. There is a pacions market square. The parinh church, dedicatod to St Edround, is an ancient structure occupying an elevated site; it has a low embattled square tower surnountod with a spire. The liaptists, Wesleyan and l'rimitire Methodiats, and Quakern have places of worship; there aro a Niatiomal school and a mings bank place of
court in bold in the town. The market in held on Saturday. Fairs aro held on March 8 rl , May Sth, and November 13th. Jy the river Ouse and the Cam, which flows into it uot far from the town, veosels ana procend from Lyan, on the const, 12 milow below, to Cazbridige, about 30 miles abore, Downham.
(Blomefield, Norfoll: Oeneral IIistory of Norfull; Commwnication from Downham.)

DOWN1'ATIRJCK, county of Down, Ireland, a municipal ancl parliamentary borough, a market aud ascize town, and the seat of a PoorLaw Union, in the parish of Dowupatrick and barony of Lecale, is situated in $54^{\circ} 20^{\prime} \mathrm{N}$. Iath, $5^{\circ} 45^{\circ} \mathrm{W}$. long., distant 93 milos N. J. by N. from Dublin. The population of the Lown in 1851 was 3287, besides 803 in the workhonse and other institutions. Downpatrick returas one member to the Imperial Jarliament. Downpatrick l'oorLaw Union comprises 24 electoral divisions, with an area of 147,361 acres, and a population in 1851 of 63,659 .

Downatrick takes its name from St. Patrick, who is statel in mauy ancient records to have been buried here. Before his tine the place was called Jath Keltair and Dun-da.leth-glass, from an earthen fortification, the ruins of which still cover a considerable apace, and present an imponing appeamnce on the north-west of the town. Uni the conquest of Ulster by the English in 1177, De Courcy mado Downpatrick his head-quartem. The town is pleasantly situated near the right bank of tbe river Quoile; it is partly surrounded by hills and partly by flat and marshy grounds. The town is dividud into the English, Irish, and Scotch quarters. The streets are irrogularly built, but the publio buildings are numerous. The original cathedral church was erected in 1412, but was devastated by Lord de Grey in 1533 the cathodral has lately been rebuilt, aud is now a very landsume edifice in the pointed style of architecture. llesides the parish church there aro chapels for Presbyterians, Wealcyan Methodists, and Joman Catholics. Downpatrick has a Diocesan school chiefly supported by the bishop and clergy, and a jail school supported by the county. The couty jail is situated at Dompatrick; there are also a comrt house, a market-house, barracks, an infirmary, and a fover horpital. Downpatrick claims to be a borough by prescription, and until the Union was represented by two members in the lrigh Parliament. Tbe town is well lighted and paved. The linen thanufacture is carriod on to a small extent, as well as brewing, tanning, and soap making. Vessels of 100 tons can come. up to Quoile Quny, one mile from the town. Markets aro held on Saturday, and regular monthly markets are held in place of the old fairs, which are abolished. The ansizes for the cousuty are held twice a year, and petty sessions overy altermate week Close to the town are the ruins of Inch Abbey.
(Fruser, IIandbook of Ireland; Thom, Irish Alnsanac.)
DOWNTON, Wiltshire, a disfranchised borongh in the parish of Downton, is situated on the river Avon, in $50^{\circ} 59^{\prime} \mathrm{N}$. $1 \mathrm{lnh}, 1^{\circ} 44^{\prime}$ W. long., distant 28 milos S.E. by S. from Devizes, aul 87 miles S.W. by W. from London by road. Salisbury, which is 0 wiles from Downton, is 96 miles from London by the Salisbury branch of the South-Western railway. The population of the town of Dowzton in 1851 was 2727 . The living is a vicarage, with the vicarage of Nunton annexed, in the archdenconry and diocese of Salisbury.

Downton was a place of some importance in the middle ages, sul had a castle, of which exteusive earthworks known as 'the Moot' remain. The borough sent members to Parliament with some iuterruptions from the time of $1: d$ ward I. till the periorl of the leform Act, when it was disfrauchised. The town consists cbietly of one long street, in which the houses are irregularly placed. Over tho tbree branches of the Avon at this place nre three bridges. The parish church is a largo eruciform strueture, with uave, side aisles, chancol, and transepts. The Raptists and Wesleyan and l'rimitive Methodints hare places of worship. There are Nationsl, British, and Jufaut schools, and a branch of the Salisbury savings bank. A paper inanufactory gives employment to soine of the inhabitants. A market formerly held at Downton has been long discontiuned. Thero in an ancient cross called 'The Borough Cross' At a short distance from Downton is tho estate purchased for the heirs of Lord Nelson, for which the sum of 100,000 . was voted by larliament.
(Honre, Willshire; Communication from Downton.)
DRAGUIGNAN, a town in France, capital of the departmeut of Var, is situated on the Artubie, a feecler of the Argene, 490 miles S.J. from Paria, in $43^{\circ} 32^{\prime} 18^{\prime \prime}$ N. lat., $6^{\circ} 23^{\prime} 46^{\prime \prime}$ L. long., aud has $\$ 009$ inlisbitants, including the communc.

Draguignan is a place of considerable antiquity, haviug been mentioned in the titlea of the earlient counts of l'rovence. In the early part of tho middle ages the town was strongly fortified with a bastioned wall and throe citadola. The rampartm were destroyod in the civil wars, but were rebuilt in 1615 and strengthened with towers, and a wide ditch was drawn round the towu. The town suffered mucl in the religious wars of l'rances. It is situatod ina fortile plain surrounderl by an amphicheatre of hills covered with vines and olive-trecs. It is tolerably well built, ormamented with ummerous fountains and many rows of trees, and traversed by a caual from the Artubic, which drives the machinery of meveral factorien. The chief buildings aro the courthouse, the prison, tho clock-tower, which is built on the summit of a high perpendicular rock, and the hospital. The ishabitants manufacture coarse woollens, soap, leather, stockings, braudy, silks,
wax candles, and earthenware : there are many oil-mills in the town. The environs (which are peculiarly delightful in winter) produce excellent fruit and wines. Draguignan has a public library of 15,000 volumes, a cabinet of medals, a museum of natural history, containing cliefly the minerals of the department, a botanic garden (which is beautifnlly laid out and open as a promenade), a high school, and an agricultural society.

DRAMMEN, a sea-port town of Norway, in the province of Aggerhuus, is situated on both sides of the broad and impetuous river of the same name, which here discharges its waters into the Drammenfjord, in tho Gulf of Christiania. The town stands in $59^{\circ} 44^{\prime}$ N. lat., $10^{\circ} 12^{\prime} \mathrm{E}$. long., 24 miles S . W. from the city of Christiania, aud has about 12,000 inhabitants. It is divided into three quarters, of which Bragnaes is situated on the northern, and Stroemsoe and Tangen on the southern bank of the river: they are united by a bridge. Bragnaes consists of a row of houses about a mile in length. The main streets are chiefly composed of storehouses. Tangen is in fact the roadstead and landiug-place, aud is consequently the resort of mariners, fishermen, and small dealers. Drammen has a parish church, two other churches, several schools, and manufactures of spirits, leather, tobacco, sail-cloth, oil, ropes, \&c. It is extensively engaged in trade and navigation, in building ships, aud in the export of timber, deals, pitch, iron, \&c. The water in the harbour is of depth sufficient to allow all vessels to lie alongside the quays and other landing-places. There are marble quarries in the vicinity.

DRAVE, [AUSTRIA, vol. i., col. 719.]
DIRAYTON-1N-HALES, or MARKET-DRAYTON, Shropshire, a market-town and the seat of a Poor-Law Union, in the parish of Drayton-in-Hales, is situated in $52^{\circ} 5 \frac{1}{\prime}^{\prime} \mathrm{N}$. lat., $2^{\circ} 28^{\circ} \mathrm{W}$. long.; distant 19 miles N.E. by N. from Shrewsbury, and 153 miles N.W. from London by road. The population of the parish, a portion of which is in Stafforlshire, was $494^{\prime}$ in 1851. The borough is governed by a mayor and corporatiou. The living is a vicarage in the archdeaconry of Salop and diocese of Lichfield. Drayton Poor-Law Union contaios 14 parishes and townships, with an aren of 61,637 acres, and a population in 1851 of 14.160 .

The town of Market-Draston is watered by the river Tern. The market held in Drajton was formerly one of the largest in the district, but after the formation of canals the facilities afforded for conveying produce to various parts of the country diminished considerably the importance of this market. The town is lighted with gas. The parish church, built in the reign of Stephen, had its architectural character quitc altered by repairs in 1787. Christ church, Little Drayton, is a district church recently erected. 1ts style is early Engliah; the seats, which are free, will accommodate 600 persons. The 1ndependents and Wesleyan and Primitive Methodists have places of worship. There are here a Free Grammar school with au eudowment of abont $35 l$. per annmm, at which the number of scholars in 1853 was 40 ; a National school, for which a handsome and commodious Elizabethan structure was erected in 1836; a savings bank; and a joung men'a mociety, which has a library and reading-room.

Drayton has some manufactures; it has a paper-mill, and hair seats fur chairs are made ; but the population of the locality is chiefly agricultural. The market-days are Weduesday and Saturday :- several fairs aro held in the course of the year. A county court is held in the town.
(Communication from Market-Drayton.)
DRENTHE, a province in the kingdom of Holland, is bounded N. by Groningen, E. by Hanover, S. by Overyssel, and W. by Friesland. it lies between $52^{\circ} 35^{\prime}$ and $53^{\circ} 12^{\prime} \mathrm{N}$. lat., $6^{\circ} 5^{\prime}$ and $7^{\circ} 5^{\prime} \mathrm{E}$. long. The area is 1029 square miles, and tho population in 1852 was 86,735 . The general character of the soil is bad. In fact out of the 658,618 acres which the province contains only 333,221 acres are capable of cultivation; 317,580 acres consist of heaths, bogs, and marshes, and the remainder is covered with canals, brooks, roads, and buildings. Asriculture, pasturage, and digging and exporting peat form the chief employment of the population. Tho province lies on each slope of the watershed betweeu the Zuider-Zee and Dollart's Bay. Several small streams rise in it; the most important of them ia the Haventer-Aa, along part of which tbe canal from Meppel to Assen runs. There are no towns in tho province. Assen, the capital, is a villago of 1800 inhabitants, 16 miles S. from the city of Groningen. Hocrorden, a strong fortress in the south of tbe province, stands on a feeder of the Vecht, and has a population of 2200 . The pauper colonies of Fredericksoord and Willemsoord were established in 1818 on the western border of the province: in theso establishments a great number of paupers are employed by the state in reclaiming and cultivating the waste lands, in brick-making, spinning, wenving, and various landicrafts.

DRESDEN, the capital of the kingdom of Saxony, is situated in the circle of Meissen, on both banks of the Elbe, in $51^{\circ} 6^{\prime}$ N. lat., $13^{\circ} 44^{\prime} \mathrm{E}$. long., at an elevation of about 410 feet above the level of the sca, 116 miles by railway S. by E. from Berlin, 72 miles E . by S. from Leipzig, 303 miles N.N.W. from Vienna by railway througls Irionn zad l'rague, and has a population according to the census of 1852 of 104,500 , including the military who number about 12,000 . The fine plain in which it stands is boundcd on the east by eminences which are offeets from the Saxon Switzerland, and aro mostly CEOO. DIV. VOL. II.
crowned with vineyards and gardeus: ou the south and southwest there are similar elevations, which spriug from the Erzgebirge. Westward lies the beautifully romantic 'Vale of Rocks,' or 'Plauische Grund,' through which the Weiseritz flows before it traverses part of Dresden and falls into the Elbe. On the northwestern side of the city the Elbe winds round an enclosure plauted with avenues of trees, and on the north the distance is bounded by a succession of hills, in general covered with firs and pines. Dresden is one of the most agreeable and interesting capitals iu Europe, aud well deserves the appellation of the 'German Florence.' It is divided into three parts; on the left bank of the Elbe is the Altstadt, or Old Town, with its three suburbs, and the Friedrichs-stadt, which is separated from the Altstadt by the Weiseritz: these two quarters form by far the larger portion of the city, and are disjoincd from the third, or the Neustadt (New Town) by the Elbe, which is here 480 feet in breadth, aud crossed by an elegant stone bridgo of 16 arches. In continuation of the New Town, there are some later erections, called the 'Newo Anbau,' or New Buildings, which form a kind of suburb. The space gained by levelling the fortifications in the years 1810 and 1817 has been appropriated to gardeus, promenades, and building.

Dresclen has altogether 11 barriers or gate-entrances, 27 public squares, 20 churches (of which 13 are for Lutherans, 1 for Ieformed Lutherans, and 6 for Roman Catholics) and 5 synagogues. The houses are principally built of Pirna freestoue, and in general are from five to six stories in height. The Altstadt, sometimes called Old Dresden, has 4 squares and $\$ 1$ streets. The most interesting structure in this quarter is the Royal Palace, an irregular gotbic building 1300 paces in circuit, which faces the west side of the bridge. The chief parts of this edifice are the royal audience chamber tho Roman Catholic church of the royal family, which is surmouuted by a tower and steeple 378 feet in height, and is adomed with paintings by Rubens and Mengs; tho chamber of ceremony ou tho second floor, the porcelain-cabinet, the walls of which are ormamented with porcelain; the Proposition-Saal, in which the sessious of the Saxon legislature are opened; the royal library; the hall of audience, with a spleudid ceiling paiuted by Sylvester; and the parade-chamber, with paintings by the same master: Tho celebrated Grïne-Gewölbe (Green Vault) opens upon the palace-yard, and contains a costly collection of precious stones, pearls, and works of art in gold, silver, amber, and ivory, arrauged in eight rooms, the painting of which is green, and the walls are decorated with mirrors laid into counpart ments of marble and scrpentine stoue. This collection, which was beguu by king Augustus, and has been gradually increased by bis successors, is estimated at above ouc million sterling in value. Close to the palace are tho chancery buildings, the depository for the national archives, and the Stallgebiude, which contains the cabunet of casts and models and the picture gallery. This building formerly also contained a gallery of arms with upwards of 20,000 specimens of armour, weapons, \&c., principally from all ages iu Saxon and Germau history, ancient and modern ; but these are now deposited in the Zwinger, which is noticed below. The picture gallery, in the upper story of the building, is composed of the outer gallery, which runs round the four sides of tbe Stallgebaiude, the inner gallery towards the jard, and the Pastell-cabinet. The outer gallery contaius abovo 500 paintings of tbe Flemish school, 90 paintings of the Italian, and many of the French and German schools: the inuer gallery is occupied by 356 specimens of tbe Italian school; and the Pastellcabinet comprises 150 paintings of various masters. A now building was in course of erection for the reception of these pictures three or four years ago. Near the Stallgebäude stands the Palace of Princes, in which are a handsome chapel, a gallery of portraits of princes of the Saxon and Bavarian liues, a porcelain cabinet, a library of 10,000 volumes, and a cabinet of engravings. A covered way leads from this pa'ace to the opera-house, where there is space on the stage for 500 performers, and in the house itself for 8000 spectators. The adjoining square is called the Zvinger, three sides of which are occupied by six pavilious connected by a gallery one story high; the quadrangle contains four fountains and 300 orange-trees. The six pavilions, which are profusely ormamented, contain a museum of uatural history, cousisting of four galleries and six saloons; a cabinet of engravings, comprising above 250,000 plates, arranged in classes; and a historical museum, or armoury, one of the finest collections of the kind in Europe, consisting of arms, weapons, warlike instruments, accoutrements, and trappings of all kinds, arranged in nine apartments.
The other buildings of note in the Old Town are the Bribl Palace, which is the principal depository for tbo Meissen china; and behind it are spacious gardens and grounds commanding delightful views of the banks of the Elbe and the surrounding scenery. 1mmediately adjacent are the hall, in which there is an annual exbibition of the productions of Saxon artists; the Acarlemy of Arts and School of Design; and the Gallcry of Duplicates, in which there are 250 paintings for which there was not sufficient room in the Great Gallery, and the celebrated tapestries worked after llapbael's designs. On oue side of the square of the Frauenkirche is the Mint; and adjoining it the Arsenal, which contains a valuable collection of every kind of arms, and in one of the apartments the portraits of all the Saxon sovereigns
from Maurion to the prement Limea Facing the Armemal stands the Acadcmlcal Bnildiag, now unod for a medical and surgioal school; below it there in subterraneou hall deooratal with paintings by Francisco Caennorn. In the Pirnatiroct is the Ilouso of Assembly, a buidring of two stories, where the Statev hold their mittings and committces. The only handsome nquare in the Old Town is the Oid Market Place, of which the town-lall is the great ornament. In thls direction lie alro the Botnnical Ganden, New Pont-Office, the Tradea' Ifall with fis colonnade, the Treasury, German theatre, two royal villns with fine gardens and chapels, the Obeerratory and grounds attached, the Mown and Riding School, Military Hospital and gardens, and the Orphan Asylum and chureh. The most remarkable churches in the Old Town ere-the Frauenkirche (Church of Our Lady), buitt in 1726 , after the model of St. Peter'o at Rome; the Kreutekirche, or the Church of the Crose, a parallologram, ourmonnted by a steeple 305 feet in beight; the Protestant charch of St. Sophia, an irregular atructure, erected in 1351 ; and the Roman Catholic or conrt church before meationel, which contain the vault for the royal family, beaiden multitade of paintings, otatues, monuments, carvings, altare, \&c.

Three suburbs are connected with the Old Town by means of as many avenues-the Pirna, See or Dohua, and Wildsruf suburbs. The fret of theee, which extende from the banks of the Flbe to the Kaidiz Brook, has a long street in whieh is a royal palace with delightful grounds attached to it. The Botanical Ganden, belonging to the Medical School, is clowe adjoining; and likewise Maurico's Arenue, on part of the site of the former fortifications, and named from a piece of sculpture representing Maurice, the olector, delivering his sword to Angustues in front of the external cutrance into the Pirna auburb in the Great Garden, which is nearly five miles in circuit: aud to the right lies the Nursery of Fruit Trees, which contains upwands of 65,000 plants, and a building in the centre where concerts are held every week. The See suburb covern the south-weat and the Wildsui the western side of the Old Town. From the last-mentioned suburb in an avenue called the Ostra-Allce, on one side of which are Prince Maximilian'o palace, gardens, and obnervatory: this arenue opens upon a maseive bridge across the Weiscritz which leads to the Friedrichs-tadt, the sccond grand quarter of Dresden, between which and the Elbe aro the wooded grounds called the Ostra-Gehege. Hero are the Roman Catholic cemotery and infirmary, in which is Balthazar Permoser'e monument to his own memory, chiselled by himelf, and represurting the Desceut from the Cross.
The access from the Old Town to tho New Town, the third grand quarter of the city, which lies to the north-east on the right baul of the Elbe, is across the palace square and stone bridge before mentioned, called the Bridgo of the Elbe, from its being the fargest and handsomest structure of the kind which traverses that river. It is also denominated Augustns's Bridge, in honour of Augustus II., its founder. It rests on 16 arehes, is 1420 feet long and 36 feet broad, and was completed in the year 1731. The fourth pier, whlch was blown up by Marghal Davoust in 1813, wes restored by the Rusgians in the following your. A bronze-gift crucifix, resting on a gilt-copper globe placed on a man of rustic stone about 28 feet in height, stands upon the fifh pler. Tho bridge opens on the New Town side upon an inclosed space planted with lime-trees, and embellished with na equestrinn statue of Augustus II. A brond strect lined with lime-trees runs from the bridge to the northern extremity of tho New Town; on the western side of it is the Japanese Palace, or Augusteum, and parade in front; and on the castern side a range of barracks for the cavalry and infantry. The Augusteum is used an a depository for collections of antiquities, coins, and porcelain manufactures, and for the royal library. The Cabinct of Antiquitiee, arranged in 12 spacious and welldightol rooms; the Cabinet of Colns, rich in the coins of Saxony es wefl as retnarkable for a fine merios of macdaln struck in bononr of fllustrion individuals of all conntries ; and the Cabinet of Porcelafn, displeyed in 18 rooms, aro all on the ground-floor. The Royal I'ublio Llbrary is deposited in 3 saloons and 21 apartments in the first and second stories, and contnins 800,000 printed volumes, 3000 manumcripta, above 150,000 pamphlcts, and 20,000 maps. Among these are upwards of 1600 printed books of the 15 th contury. The terminus of the railway to Leipzig in near the Augusteum. The New Tows also contains a church dedicated to the Most Holy Trinity; a torn-hall; the cadet academy; severnl military mehools; and the commandantis renidence. It lass 22 utreots in all. To the uorth-enet of the New Town lios the Nene Aubau (New Bulldings), which is occupied by some handsome reallences; a playliouse and baths; a hous of induatry; echools for the indigent and for the garrison of Drowen; and a apacious eemetery. Tho honse for the reception of bodice of unknown persons is decornted with the Dapee of Death, a rude soulpture in stone containing 24 figurew.

Among public eatablimmenta not hitherto noticod are a liggh school, conducted by 12 manters and aitended ly about 100 pupila. Drosalen contains altogether 71 evtabiishments for Protestant education. The Catholles haro a high school and several other educstional entablimhmenta The number of fatitution fir the sick and maimed and orphans in 8 , including 8 howitals. There is a varioty of learned and other mocietica.

Dresden has no external trade of much importance. It is a place
of tranait for colonial and other forelgy produee from Magdoburg, Hambarg, dec, and luna fivo goneral fairs, benides a yearly fair on Junc, at which a conaiderable quautity of wool is sold. The manufacturas comprice scientifo and monical instrumente, glovea, carpets, inmoryFare, jowellery, silk and woollen ntufes, straw-hate, painters' colours, artificial flowers, chemical prodncta, de Morocco and othor leatber, refined mugar, tobacco, whito-lead, tin-ware, glase, otockings, cotton goodn, de.y aro also manufactured on a small scale. There is a foundry for bomb-shells and canmon, and a yearly exhibition of Saxon manufinctures.
The immediate vicinity of Dreaden abounds in places of publio resort, asd its environs are full of attractions for wtrangers. The French dofeated the alllee under the walls of Dreaden, August notls and 27 th, 1813. Near the village of Räcknity, about a mile to the south east of the city, is a block of granite surmouutod by a helmet erected on the epot where Morean fell by the side of the emperor Alexander. Dresden ehared fargely in the exoitement that prevailed in Liurope after the Froach revolution of $18 \$ 8$. The ecoond Chamber carly in 1849 voted for the adoption of a republican form of government for Gormany. A rupublican insurrection followed Dresdon was bombardod by Prustian and Sazon troops on the 7th of May; and it was not till after three days' fighting that the last of the insurgents were driven out of the town. Small steamers ply on the Elbe upwards to Pillnity, and downwards to Meissen and Magdebury. The city has milway and electro-telographic communication with Vienna, Paris, Berlin, and all the principal towns of Germany. Dresden sustained some damage in the spring of 1815 in consequence of the inundation of the Elbe.
DREUXX, an ancient town in France, tho capital of the third arrondissement in the department of liure-et-Loir, stands on the Blaise, a tributary of the Eure, 11 miles W. from Paris, in $45^{\circ} 44^{\prime} 27^{\circ}$ N. lat., $1^{\circ} 22^{\prime} 8^{\prime \prime} \mathrm{E}$. long., and has 6451 inhabitanta, including the commune. It is partly murrounded by the Blaise, which here dividen into sevcral brauches, and enters the Eure a ahort distance north of the town. Dreux is on the great western road to Alençon, Laval, Rennes, St. -Brieuc, and Brest.

Dreus was known under the Romans by the name Diroensses, and appears to have beeu included in the territories of the Carnutes. Frosu Durocasses the name was contracted into Droca, from which the modern form Dreux is derived. The town with the surrounding district, forming the couuty of Dreux, was included in the acquisitions made by the Northueu in France, but was cariy taken froun them, and becamo part of the domnin of the French crown. The Normau English burnt the towu in A.D. 11S8. In December 1562 a serere action was fought in the plain of Dreux, between tho rivers Fure and Blaise, between the royal Catholic army, under the constable Montmoreuey, and the army of the Calviniats, commanded by the Prince of Coudé and Admiral Coligny. Tho Calvinists wero defeated and the Prince of Conde taken prisoncr. In 1593 Dreux, which was in the posseasion of the party of the League, was taken by Hcuri IV. after a vigorous resistanco of eighteen days. The walls were not repaired after this event, and the town soon lost its political imprortance.
Dreux stands in a plensant country, and is protty woll built. On a high hlli which commands the town are the remains of the ancicnt castle of the counts of Dreux. On the site of thes ruius staude the magnificent chapel built by Louis Philippo whilst duke of Orleams, and greatly enlarged and beautified by hin during hia reign. It was intended to be the final resting-place of the members of his fanily, and at the accession of the duke to the throne of Frnuce it already contained the remains of the Duke and Duchess of Penthievre, the Count of Toulouse, and the Princess de Lamballe, which were brought hither by the care of the Duchess downger of Orleans, the king's mother, whowe body is also deposited here. The chapol contains also the tombs of the lrincess Mary and the Duke of Orlcans, clildren of Louis Philippe; the Princens Adelaidc, the king's sister, who died December 80, 1847, was the lat of the Orlonas family buried hero. An enormous briok tower, said to be the keep of the old castle above mentioned, was long uscd ns a telegraph establishment under the old ignal system. The town-hall and the parish church are haudsome gothio structures; in the former in the tomb of Philidor, the muaical composer and celebrated chome-player, who was a uative of Dreux. The inhabitante manufacture eorges and woollen hosicry; they also tiado in sheep and cattlo. There are tan-yards, iron-foundries, and dychonsen in the town, which has tribunale of first iastance aud of commerce, a colloge, and a good honvital.

DR1FFILLDD, GREAT, Fast Riding of Yorkshire, a market-lown and the seat of a Poor-Law Union, in tho parish of Drifseld, is situated in $54^{\circ} 0^{\prime}$ N. Int., $0^{\circ} 20^{\prime} \mathrm{W}$. long., dintant 23 milea 18. by N. from York, 100 mifen N. by W, from London by road, and 202 milen by the Great Northern and connected railways The population of tho town of Grent Driffield in 1851 was 3792 . Tho living is a vicaragc, with tho perpetual curacy of Littio Drificld nttached, fu tho archdeaconry of the liast Rlding and dioceso of York. Drifleld Poor-Iaw Union contains 43 parishes and townehips, with au area of 101,910 ncrew, and a population In 1851 of $18,265$.

Tho parish cliurch of Groat Driffield, dedicated to All Saints, ls an nncient edifice; but the steeple in of later date than the body of the church. The Independents, Baptists, and Primitire and Woslcyan

Methodists have places of worship in Great Driffeld, and there ara National and Infant schools.
The town of Great Driffield occupies an agreeahle situation at the foot of the Wolds, near one of the sources of the river Hull. It consists chiefly of one long street. A small stream which runs parallel with the street is enlargel below the town into a navigable canal, by which a communication is maintained with the port of Hull by the river Hull. Since this communication was opened Driffield has considerably improved; the town contains many good shops, and is lighted with gas. Among the pnblic buildings and institutions are the new corn-exchange and public rooms, a dispensary, a mechanics institution, a hranch of the Hull savings bank, and a atation of the Hull and Scarborough railway. A county court is held in the town.
The district around Driffield is fertile. The market is held on Thursdary, and extensive transactions take place in corn and cattle. Flour-mills and mills for hone crushing are in the vicinity. A manufactory for chemical manure is in Great Driffield. The Malton and Driffield Junction railway is continued to the York, Newcastle, and Berwick line, and joins it near Thirsk. At the hamlet of Danes Hill are several tumuli.

## (Communication from Great Driffield.)

DROGHEDA, in the counties of Louth and Meath, Ireland, a municipal and pariamentary borongh, a market and sea-port town, and the seat of a Poor-Law Umion, is situated on the river Boyne, in $53^{\circ} 43^{\prime} \mathrm{N}$. latat., $6^{\circ} 20^{\prime} \mathrm{W}$. long.; distant 28 miles N. by W. from Dublin by road, and 32 miles by the Dublin and Drogheda railway. In 1851 the population was 16,845. The borongh is governed by 6 aldermen and 18 councillors, one of whom is mayor; and returns one member to the Imperial Parliament. Drogheda Poor-Law Union comprises 12 electoral divisions, with an area of 88,706 acres, and a population in 1851 of 48,203 .
Tho name Drogheda, of which Tredagh (as it is generally written in old books) is a corruption, signifies 'the bridge of the ford' A synod was held here by Cardinal Paparo, the Pope's legate, in 1152, which was very numerously attended hy the Irish ocelesiastics, and had the effect of greatly strengthening the authority and discipline of the Church of Rome in Ireland. Heury III., in the year 1228, divided the town into two parts, namely, Drogheda versur Uriel, on the Louth side of the river, and Droghcda versus Midiam, on the Meath side. In 1412 the two corporations were nnited hy Henry IV., since which time Drogheda on hoth sides of the Boyne has continued to he one body corporate. Being a frontier town of the pale Drogheda was a principal rendezvous for the forces which were so freqnently required in Ulster between the 14th and 17 th centurics; and many of the Irish parliaments were held here, particularly during the 15 th century.

On the breaking out of the rehellion in 1641 Drogheda was besieged hy Sir Phelim O'Neill and a large force of Irish who invested the town on both sides on the 1st of December. The siege was raised on the 2 sth of February. Cromwell besieged the town in September 1649. He was twice repulsed, but succeeded in the third attempt, which he led himself. Most of the garrison were put to the sword. Drogheda was last held for the Roman Catholic party by the Lord Iveagh, with a garrison of 1000 men, in 1690 , but it surrendered to a detachment of King William's army the day after the battle of the Boyne.

The old walls and four gates were standing within the last fifty years. A few buttresses and St. Lawrence's Gate are all that now remain. The last is a striking object, and is in good preservation. Drogheda is rich in ecclesiastical antiquities. The Dominican Friary on the north part of the town was founded hy Lucas de Netterville, archbishop of Armagh, in 1224, and is celebrated as the scene of the submission of four Irish princes to Richard II. in 1394. A lofty tower of this friary, called the Magdalen Tower, is still standing, together with some of the cloistera. The Franciscan Friary on the northeast of the town is standing, although much ruined, and forms a striking feature in the view of Drogheda from the approaches on tho Dublin side. A gable and bell-tower, with part of the aisle, of the priory of Canons Regular also remain on the west of the town near the river; and there are some traces of the priory of St. Lawrence near the gate, and of the hospital of St. Mary, heyond the priory of the Canons Regular.

Drogheda is a compact and well-huilt town; hut the miserable suburbs extending north and south greatly disfigure the approaches. The clief part of the town lies on the left side of the river, which is the ligher ground. The principal street rans nearly north and south, and forms a portion of the great northern road. About the centre of the town, on the western side of the main street, stands the town-house, a handsome building with a clock and cupola. Drogheda contains three churches: St. Marys, a small plain edifice built on the ancient site of the chapel of a Carmelite convent ; St. Peter's, a handsome Grecian building, erected about the middle of the last century; and St. Mark'h, a chapel of ease to St. Peter's. The Roman Catholic chapel of St. Peter, which is considered the cathedral church of the archdiocese of Armagh, is a spacious gothio edifice : there are also a handsome Presbyterian mceting-house, and a Wesleyan Mcthodist chapel. Besides these there are four other Roman Catholic chapels, three friaries, and two nunneries, one of which, called the Sienna

Nunnery, near the site of the Franciscan Priory, is a large establishment. There are two barracks, an almshouse, the mansion-house, an infirmary, a savings bank, a jail, a corn-market, and a theatre. The town and harbour have been much improved of late years. A viaduct 95 feet in height, constructed across the river Boyne, forms part of the Dublin and Belfast Junction railway. An iron lattice bridge across the Royal Canal is for the passage of the trains of the Dublin and Drogheda railway. Richmond Fort, erected during the government of the Duke of Richmond, contains an hospital and a military store-house, and cormmands a very fine view of the town. Formerly the linen manufacture was the staple trade of Drogheda, but it has very much decreased: there are three extensive flax-mills, six cornmills, and two hreweries; the other manufactures are cotton, leather, tobacco, soap, and candles: there are also an iron-foundry, which employs 300 persons, five salt-works, and some brick-kilns. There is considerable trade between Drogheda and Liverpool by six regular steam-vessels, and the importations and exportations are large. The harbour is convenient; vessels of 300 tons can come up to the quay. At the entrance of the harbour are three lighthouses. The market is on Saturday. Eight fairs are held in the course of the year. The assizes, quarter sessions, and petty sessions are held here. On the 31st of December 1852 the number and, tonnago of the vessels registered as belonging to the port of Drogheda were as follows :Vessels under 50 tons 7, tonnage 193; above 50 tons 39, tonnage 4459 ; and 5 steam-vessels of 1787 tons. In the cross-channel and coasting trade there entered and cleared at the port during 1852 as follows:-Inwards 648, tonnage 47,976; outwards 281, tonnage 21,378 : steam-vessels, inwards 213 , tonnage 83,034 ; outwards 254 , tonnage 97,359 . In the colonial and foreign trade there entered 52 vessels, tonnage 8069 ; and cleared 8 vessels, tonnage 935.
(Fraser, ITandbook of Ireland; Thom, Irish Almanac.)
DROHOBYCZ, a town in the circle of Sambor, in the Austrian crownland of Galicia, is situated on the Tyazmanika, a tributary of the Dniester, in $49^{\circ} 22^{\prime} \mathrm{N}$. lat., $23^{\circ} 35^{\prime} \mathrm{E}$. long., and has a population of about 7000 , seven-eighths of whom are Jews. A great portion of the houses are filthy cabins, constructed of boards. The town however has several buildings of consequence, among which are the high-church, a fine structure of the gothic order, a Basilian monastery, with a grammar-school conducted by the brotherhood, a chapterhouse, several churches, a synagogue, castle, and seminary for teachers. The town, with its eight suburbs, contains about 1200 houses. The royal salt-works, iucluding the adjacent works at Mobrzyc, Solec, and Stebnik produce about 3700 tons annually, which are extracted from salt rocks and saline clay. In the neighbourhood of the town are iron-mines and pitch-wells. There is a brisk trade in native and foreign produce, particularly wine, linens, cottons, leather, and grocery, which is mainly carried on by the Jews; and the corn and cattle markets bring much profit to the place.
DROITWICH, Worcestershire, a municipal and parliamentary horough and the seat of a Poor-Law Union, is situated in a narrow valley through which flows the small river Salwarpe, in $52^{\circ} 16^{\prime}$ N. lat., $2^{\circ} 8^{\prime} \mathrm{W}$. long., distant 7 miles N.N.E. from Worcester, 116 miles N.W. by W. from London hy road, and $132 \frac{1}{2}$ miles by railway ria Birmingham. The population of the borough of Droitwich was 3125 in 1851 ; that of the extended parliamentary borough was 7096. The borough is governed by 4 aldermen and 12 councillors, one of whom is mayor; and retnrns one member to the Imperial Parliament. The livinge are in the archdeaconry and diocese of Worcester. Droitwich Poor-Law Union contains 26 parishes and townships, with an area of 51,984 acres, and a pupulation in 1851 of 18,020 .
The Romans had a station called Salinex at the spot now occupied hy Droitwich. Remains of a Roman villa were discovered in forming that portion of the Oxford and Wolverhampton railway which passes through Droitwich. So much of the tesselated pavement as could he remi ved was deposited in the Worcester Natural History Museum: several coins, medals, and fibula were found at the same place. Droitwich is mentioned in Domesday Book on account of the tax then derived from its salt springs. A charter was granted to the horough by King John. The Court Chamber, situated in the centre of the town, is a handsome and commodious structure. The upper portion of the building is appropriated for the meetings of petty sessions, which are held weekly; the under portion is used as a market-house. Near the Court Chamher is St. Andrev's chureh; St. Peter's is situated a short distance from the town. The Methodists and Plymouth Brethren have places of worship, and there are National and Infant schools. Droitwich possesses an excellient hospital, founded hy Lord Keeper Coventry, the income of which is 1200l. a year. It is governed by trustees, and supplies 36 men and women with a room, clothing, and 5s. per week each. The foundation also provides 80l. a year and a house for a schoolmaster, and 50l. a year and a house for a schoolmistress, for the education of 50 boys and 50 girls. The boys have 10l. given them in aid of their apprentice fee; the girls recelve $3 l$, on leaving the institution. Droitwich possenses a savings hank; and a penny bank has been recently established. A county court is held in the town.
The chief trade of Droitwich is that in salt, manufactured from the salt springs, which are very productive. About 60,000 tons of salt are annually produced. The Worcester and Birmingham Canal
maness near Drvitwich, and communientea with the river Sovern at Forcoster; and a canal for vessels of 60 tons burileu, constructed hy lirindleg, furms also a direct communication from the saltworks to the river Severu. The live of the Oxford and Wolverhnaston railway parses through Droitwich. A station of the Dirminghnan and Briatol railway is abont a mile and a quartor from the town. The market is held on Friday ; there are two annual falrs. About a mile from Droitwich is Westwood Park, the soat of Sir J. Pakington, M. P. for tho borough.
(Nash, llorceaterthire: Communication from Diviturich.)
DlROMF, a department in the south-cast of France, bounded N. and N.F. by the department of Isere, Fo. by the department of Hlauten-Alpes, S. hy the departments of Basees-Alpes and Vaucluse, anil W. by the Rhone, which separates it from the department of Arliche. The form of the department is irregular: its greatest length from worth to south is about 80 milea from enst to west 50 inilor. It is comprehonded botween $44^{\circ} 9^{\prime}$ and $45^{\circ} 20^{\circ} \mathrm{N}$. latn, $4^{\circ} 35^{\circ}$ aud $5^{\circ} 45^{\prime} \mathrm{F}$ long. The area according to the eadastral returns of 1851 is 2519 equare milew: the population in the same year amountod to 326,916 , which gives 129.75 to the square mile, being 44.06 below the average per square mile for the whole of Frauce.

Surfice, de. - The department forms an inchined plane which slopes from east to west. About onethird of the surface consists of $n$ sandy and in part stony plain running north and south along the Hhsinc, with a breadth of 5 to 8 miles. The rest of the department is mountainous From a secondary chain of the Alps, which runs along the casteru boundary, numerous offshoots all of calcareous formation exteud westward, gradually diminishiug in height as they advance in that direction, and funally subsiding into the valley of the Rhoue. The highest of these masses is more than 5000 feet above the nea; hut the gencral elevation of the ridges is not much abore 3000 feek Their summits, which are everywhere accessihle, yield good pasturage in the summer and autumn, and at these scasons they are frequented hy the migratory flocks of the neighbouring dopartments; their sides are covered with dense forests of pine, oak, beech, \&c. The valleys between the ridges, which are the ehief haunts of the population, communicate with each other hy narrow dangerons hy-roads, and are furrowed by rivers or mountain torrents that freguently causo great damage by their overflow. The faeilities for irrigation are very great, and this mode of culture is extensively adopted, especially iu the valley of the lhbone, the fertility of which is in a great measure owing to the skilfnl employment of tho systen of irrigation. The air is pure and healthy. The high mountains are covered with snow during several montbs of the year; but in the valleys, and along the Hhone, the hent in summer is inteme. North and south winds alternately provail, the former hringing dry weathor, the latter min.

Hydrography.-The Rhone, which divides this department from that of Ardiche, is unvigatod by steamers, and receives all the rivern of tho department, which are all mhort, and aro here briefly described proceerling from north to mouth. [Ku0Ne.] The Galaure, which rises in the department of Isere, cromes the north of the department, and enters the Rhone at St-Vallier. The Isere, remarkahle for its deep, black waters, and the magnificent views which its valley presents, receives in this department the Herhasee, nud joins the Jhone a few miles north of Valenee: it in navigable. [Isère] The Veoure has its whole length in the department, and flows south-west into the Rhone past Chabeuil. The Drome, which gives name to the departmeut, rises on the confines of Hauten-Alpes, and flows in a rapid stream north-west an far as Dio, receiviug the Bes on the right bauk; from Dic to Poutaix its coursa is nearly due west, nad from the last-mentioned town it runs south to its junetion with the Rohanne on the left bank, whence It flows west to the Rhone, which it enters below Livron after a course of 66 miles. A good denl of looso timber is flomed down this river as far an Pontaix, sbore which its bed is very rocky; hero tho timher is made into rafls aud floated on to the 13hone. No part of the Drome is navigable. Stroug cmbankments hare been formed at daugerous points along the stream to prevent it from innndnting the enltivated lnnd along its banks. The next river to the suuth is the Lioulion, which is joined hy the Jabron at Jontelimart, just before its entrance into the Rhone. The lez form part of the southern boundary, and flowing south-west entern the Rhone in the department of Vaucluse. Tho Eygues or Aigues rises in the south east of the department, and passes Nyons, bclow rishes it entern the department of Vauclune, and joins the Bhone a littlo weat of Orange. The Ouvize risen in the extreme south of the dejartment, and paning Lo-Buin euters the department of Vaucluse on ita way to joln the Sorguen.

Prodwce, dec.-The department contains $1,612,812$ scres. Of this area, 405,067 acrem are covered with woods and forests; 354,209 acres are lieath and moor-land; 640,205 acrea aro capahle of cultivation ; 44,304 acres are natural pantureland, and $69,27^{2}$ ncres are under
viues. Comsumelent for the conaumption is not produced; mnizo viues. Comsnmelent for the conaumption is not produced; mnize, buekwilieat, and haricot heans are the elilef cropa The olive, the
waluut, the almund, the cheataut, and other fruit-trees are cultivated with nucceas. The mulberry-tree ls extenaively grown for the prorluction of ailk; the fint crop of leasem eerres to rear the silk. worma, and the second is giren to cattle. The number of mulberry.
trees in the department is about $3,000,000$, and above $500,000 \mathrm{tbs}$ of raw silk are annually produced. The culture of the vine is an ohject of groat attention in the valley of the Rhone, aud in the arrondiasements of Dio and Nyons. Tho annual produce of wine is $\$, 580,000$ gallon, a large portion of which is exported; the best kinds are the famoun red and whlte wines called Hennitage, which for their mellifluoum gont, colonr, and perfume rank among the best wines in the world. Mack truftios of excellent quality aro ahundant. llorses and hornod cattle ane not nuinerous; mules are the common beasts of hurden. Sheep and black piga are raared in considerahle numbers. Among the wild animals are foxes, wolven, deer, chamois, beavers in the islands of the Rhone, otters, hares, rabbits, eagles, vultures, pheasanta, partridges, da. There is a good deal of neadow land, eliefly in the valley of the Rhone, which by means of irrigating rills is made to yield two and three crope a year.

Several irou-mines are worked; copper and lead are found; coal is met with in various districte, but ouly one mine is worked. Sand used in glass manufacture, chalk, gypsum, rock erystal, alabaster, granite, potters' clny, \&c., are found. There are also soveral mineral and salt springs. The manufacturing industry of the deprartment is importaut and active. Woollon cloth, silk, hosiery, serge, cottou-yarn, leather, paper, nut aud olive oil, bmndy, ropes, lime, tiles, brickw, de., are manufactured; there are various dyeing and hleachiug establish. ments ; 552 wind and water-nills, 5 iron smelting furmaces and foundries, 711 workshops and factories of rarious kinds, and most families have a magnanière for rearing silk-worms. There is roadway accommodation by 5 state and 5 departinental roads; the railway now in course of construction from Lyon to Avignon runs for about half its length in this department, pasaiug through Tain, Valence, and Montelimart. The electro-telegraphic communication hy this line between Paris and Marseille has been completed some tine. Flectrotelegraphic wires connect Valence with Gronohle, whence they are laid down to Chambery in Savoy; and theneo across the Alps to Turin and Genor. There aro 450 fairs and markets held in the year. Tho great markets for raw silk arc held in Valenco and Montélimert.
The department is divided into four arroudissemeuts, which, with their subdivisions and population, are as follows :-

| Arrondissemeats. | Cantons. | Commanes. | Populatioa in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Valenee | 10 | 101 | 155,017 |
| 2. Montelimart . - | 5 | 69 | 68,926 |
| 3. Dic - | 9 | 117 | C6,498 |
| 4. Nrons | 1 | 74 | 36,405 |
| Total | 28 | 361 | 326,846 |

1. In the first arrondissement the chief town is Valence, the Roman Valentia, which is also tho capital of the department, and is doscribed uuder its proper head. [Valence.] Anong the other towns we give the following: the population is that of the commune throughout:-Boury-du-Peage, or Peage, on the lef hank of the Isère, which separates it from Romans, owes its origin to the bridge huilt here iu the 9 th century by the aonks, who had the right of toll (péage); it has 3858 inhabitants, who manufacture coarse silk, silk hata, leather, and ropes. Bourg-les-V'alcnce, 2 or 3 miles from Valence, has sevoral pretty residences, aud a population of 3059. Chabeuih on tho left bank of the Veoure, is an ill-built place, with 4461 inhahitants, who manufacture woollens, glove and shoe leather, and paper; there are also silk-throwing and bleaching estro. hlishments, and a college here. The town, which formerly gave title to a principality, has no ohject of iuterest except the remaius of its ancient castle. Grand-Serre, on the Galaure, has iron and steel-works, and 1585 inhahitants. Loriol stands at the foot of a hill on the left bank of the Drome, opposite Lirron, with which it is joined by a hand. some bridge; it has 3400 inhabitants, several silk-throwing eatabliahments, and nurserics, and some trade in hides and skius Romans, on the right bank of tho Isere, owes its origiu to the abbey founded liero by St. Bernard, hishop of Vienne, in A.D. 837 ; it is well huilt in a pretty situntion, aud joined to Péage by the bridge before mentioned, from which there is a magnificeut vien of the valloy of ladre, terminating eastwards in Mont IBlanc, while in the opposite direction the mountains of Vivarais are visible. Tho town is girt by a fosse aud wall which are flauked with square towers, and entered by five gates, The chureh of St. Bernard, and the theatre which stands in the middle of a handsome promanade, called Clinmpe-do-3lars, are the most remarkable buildinga. Silk, hoaicry, woollen cloth, serge, and leather are manufactured; there aroalso entablishments for reeling and throwfing silk, lime and gypsum kilns; and the town has a good trade in wool, liown, linen, wine, oil, black truflen, skinn, de, Momans ham a tribunal and chamber of commerco, a college, ceclestastical school, and 0471 inhabltants. There are vast mulberry plantations aloout this town. St.-Donat, on the left bank of the Herbasse, has 2223 iuhabitrnta, who manufacture silk and tiles. St.Jean-en-Royans stands in a beautiful valley, closed in by high mountains, on the right bnnk of the lionne, which falls into the bourne, a foeder of the ladre; it is a favourite place of resort with Freneh landscape painters, on account of the romantic scenery nbout it: population, 2516. Si.Fallier, at the junction of the Galaure with the Rhoue, lans 2690
inhabitants, who manufacture silk crape and twist, chemical products, pottery, beer, and leather. A little east of this town, in a narrow savage gorge of the Galaure, are the ruins of a fine old castle, near which the road runs in a deep cutting through rocks. Tain, a pretty little town 10 miles N . from Valence, on the left bank of the Rhône, stands opposite Tournon, with which it is connected by a fine suspen-sion-bridge, and has 2459 inhabitants, who are engaged in the culture of the vine, cotton-spinning, and quarrying granite. This little town stands at the southern foot of the steep bill called Hermitage, on the eraggy terraced slopes of which are the vineyards that produce the famous Hermitage wines.
2. In the second arrondissement the chief town, Montelimart, beautifully situated among vineyards, meadows, and mulberry plantations, is an ancient place surrounded by ramparts which are flanked with watch-towers, and entered by four gates facing the eardinal poiuts. It stands near the left bauk of the Rhône, at the confluence of the Roubion and the Jabron, which unite their waters at the southern gate, where they are spanned by a fine stone-bridge. The town is well built; the Grande Rue, which is paved with basalt, and through which the road from Lyon to Avignon runs, is the most commercial part. The left bank of the Hbône, a hittle ahove the town, is formed hy basaltic eliffs. [Ardèche.] Around the ramparts, both within and without, there is a fine drive lined with double rows of trees. Tho most imposing structure is the old castle or citadel, which overlooks the whole town. Montélimart has 8245 inhabitants, a tribunal of fint instance, and a college; it is a busy manufacturing town, and has sevcral silk and cotton factories, tanneries, tile-works, and limekilns ; serge and hosiery also are made. It is famous for the manufacture of morocco leather and the almond cakes called 'nougat.' Besides the artieles already named, corn, flour, raw silk, walnut and olire oil, cattle, and provisions enter into the commerce of the town. From the two rivers abnadant water-power is derived to drive the machinery of the several factories ; and from the same sonrces the system of canals for irrigating the grounds in the neighbourhood is filled. Dieu-le-Fit, situated among mountains, 15 miles E. from Montélimart, is the seat of a busy manufacturing population of 4163 . The most remarkable building is the new Calvinist church. The manufactures are woollen cloths, serge, swanskin, flannel, glass, pottery, \&c.; there are also dye-houses, and establishments for spinning silk, cotton, and worsted. In the neighbourhood there are mineral springs and a large cavern which bears the name of Tom-Jones. Grignan, a small place of 2000 inhabitants, stands on a hill above the Lez, and was formerly famous for a magnificent chateau, celehrated in the letters of Madame de Sevigné, who died in it (April 18, 1696), and was buried in the parish church of Grignan. This chateau is now in ruins, having been burnt during the first revolution. Pierrelatte, an ill-built towu, 13 miles S. from Montélimart, stands at the foot of a rock crowned with the ruins of an old castle, which capitulated in 1562 to the ferocious Adrets, who hurled the garrison over the battlements and massecred all the inhabitants of the town. The environs yicld much corn, wine, and silk ; there are silk-mills and tan-yards in the town, which has 3430 inhabitants.
3. In the third arrondissement, the chicf town Die (the Dea Augusta and Dea Vocontiorum of the Romans), stands in the middle of a fertile valley, on the right bank of the Drôme, and has 3920 inhahitants. Tho town, which is defended by walls flanked with numerous towers, was formerly the seat of a bishop; the old palace and former cathedral are the principal buildings. It has a tribunal of first instance, a Calvinist church, manufactures of woollen cloth, silk, and cotton yarn, hcsides several dye-houses, fulling-mills, and magnanières. The ueighbourhood produces excellent fruits, and the delicious white wine called 'Clairette de Die.' Crest, 20 miles W. from Die, on the right hank of tho Drome, stands at tho foot of a rock which has the form of a cock's crest, whenee the name of the town. It was formerly defended by a castle, which commanded the passage of the river and rendored this one of the strongest towns in Dauphine; only one tower of the castle now remains, which is used as a house of correction. In the church there are some fine old bas-rehefs, and an inscription which recounts the chartcred privileges of the town, with the date 1188. The town has 4948 inhabitants, who manufacture woollen and cotton eloths, serge, blankets, silk handkerchiefs, cotton yarn, paper, leather, tiles, and lime; it has also sugar refineries, fulling-mills, and dye-houses, and trades largely in truffes. Saillans, also on the right bank of the Drome, is a husy manufacturing little town of 2000 inhabitants.
4. In the fourth arrondissement, the chief town, Nyons, or Nions, stands on the Eygues, at the opening of a valley whieh is cultivated liko a garden by means of irrigating rills. The town is defended by walls and towers, and entered hy four gates; the interior is ill-built. The most remarkaole object is the stone bridge over the Eygues. Soap, woollen stnffe, earthenware, spun silk, and leather are the chief industrial products of tho inhabitants, who number 3251. Le-Buis, an ill-built place in the valley of the Ouvèze, takes its name from tho boxwood (buis) which ahounds in its neighbourhood. Silkthrowing and the manufacture of oil and leather aro the chief occupations of its 2456 inhabitants.

The department forms tho see of the Bishop of Valence, is included in the jurisdiction of tho High Court of Grenoble, and belongs to the

8th Military Division, of which Lyon is head-quarters. Education is more extensively diffused than in most of the French departments. There is a university acadomy and an eoclesiastical college in Valence, a dioessan seminary in Romans, connmunal colleges in Montélimart and Valence, and a Protestant training school in Dieu-le-Fit. The Calvinists have Consistorial churches in Crest, Dieu-le-Fit, Die, and Bourg-lès-Valence.
(Dictionnaire de la France; Annuaire pour $l$ An 1853; Statistique de la France.)
DROMORE, county of Down, a market-town in the parish of Dromore, is distant 17 miles E.S.E. from Downpatrick: and 84 miles N. by E. from Dublin on the great northern road to Belfast. The population in 1851 was 1872. The town is situated on the river Lagan, and contains besides the cathedral or parish church, which is a mean structure on the bank of the river, one Roman Catholic and two Preshyterian chapels. Large quantities of linen cloth are manufactured here; and many of the inhabitants are engaged in weaving. Near the town is a mineral spring of celebrity. East of Dromore stands a remarkable mound, 60 feet high, with three concentric eutrenchments, and an extensive outwork towards the Lagan. Fairs are held in February, May, July, and October.
The see of Dromore is in the ecclesiastical province of Armagh. The chapter consists of a dean, precentor, chancellor, treasurer, archdeacon, and one prebendary. This diocese occupies the western portion of the eounty of Down, and extends partially into Armagh and Antrim. It contains 28 benefices. The foundation of the see is attrihuted to St. Colman in the 6th century. By Act 3rd and 4th Wm. IV. c. 37, this bishopric has hecone iucorporated with the united diocese of Down and Convor.
(Fraser, Ireland; Ware, Bishops; Thom, Irish Almanac; Parliamentary Papers.)
DRONERO [Conr.]
DRONFIELD. [DERBYSHIRE]
DRONTHEIM. [TRONDHJEM.]
DROXFORD, a division of Hampshire which has been constitutcd a Poor-Law Union. Droxford Poor-Law Union, which is nearly coextensive with the division, contains 11 parishes, with an area of 47,476 acres, and a population in 1851 of 10,676 . The population of the parish of Droxford, in which the Union Workhouse is situated was 2005 in 1851 . Droxford village is situated in $50^{\circ} 58^{\prime} \mathrm{N}$. lat., $1^{\circ} 8^{\prime}$ W. long.; distant 12 miles S.E. from Winchester, and 62 miles S.W. from London. The living is a rectory in the archdeaconry and diocese of Winchester.
DRUMSNA. [LEITRIm.]
DRUSES. [Syria.]
DRYPOOL [YORKSHRE.]
DUBLIN, a maritime county in the province of Leinster in Ircland, Lies betweon $53^{\circ} 11^{\prime}$ and $53^{\circ} 37^{\prime}$ N. lat., $6^{\circ} 3^{\prime}$ and $6^{\circ} 32^{\prime} \mathrm{W}$. loug. and is bounded N.W. and N. by the county of Meath, E. by the Irish Channel, S. hy the county of Wicklow, aud S.W. hy the county of Kildare. Its greatest length from uorth to south, between Gormanstown and Bray, is 32 miles; and its greatest breadth, between Howth Head and Leixlip, is 18 miles. The area, not including the city of Dublin, comprises 222,709 acres, of which 196,063 are arable, 19,312 uncultivated, 5519 under plantations, 170 covered with rivers, eanals, \&c., and 1820 in towns. Fixclusive of the city of Dublin the population in 1851 was $146,631$.
Surface and Coast-line.-The county of Dublin, excepting a small tract on the south, is fertile and well cultivated. The ouly portions of the county not uuder cultivation are the promontory of Howth, and the range of mountains which separates Dublin from Wicklow on the south. The Dublin mountains, of which the central group has an average height of 1000 or 1.200 feet, are partially separated from the loftier elevations of the county of Wicklow by the valley of Glencullen on the east, and by that of Ballynascorney or Clenismaulo on the west; a ueck of elevated land, intervening between these valleys, connects the rango with the Kippure group on the south, the highest point of which rises to the height of 2473 feet ahove the sea-level. The whole range forms a fine mountain hack-ground to the rich scenery of the plain of Dublin.
The northery part of Dublin county is more undulating than the immediate vicinity of the capital. A low range of cultivated eminences, called the Man-of-War Hills, extends across the line of communication with Meath and Louth, and the ground on the north-western border next Meath and Kildare is pretty much broken by picturesque valleys. The only marked eminences however north of the mountainous tract, are the islands of Lambay and Ireland's Eye, and the hill of Howth. The isthmus which connects lIowth with the mainland is a low narrow neck, which gives Howth very much the appearanee of an island. The highest point of the promontory of Howth is 567 feet abovo tho level of tho sea. The cliffs towards the bay and channel are lofty, and the whole promontory contributes much to the picturesque effect of Dublin Bay.
The coast which, reckoning all its windings, has a length of 70 miles, is indented hy the Bay of Dublin and by several creeks forming tide harbours ; the principal of which aro those of Killiney, Malahide, Rogerstown, and Lough Shinuy. Artificial harhours have been formed at Lalbriggan, lowth, and Kingstown.

South of Skerries the sandy shore gives place to a limestone oliff as far as the oreok of Lough Shinny near the town of Ruah. Of the creek of Malahide is the rocky inland of lanulay. The peninmula of llowth contains about 1500 seree, and, execpt towaris the low inthmus which connecta it with the mainhanl, atancle in doep water. The soand between llowth and Ireland'a Fyo (a rocky pietareaqne island of thirty acres, which hies about three quarters of a mile off the northers side of the promontory) being a sheltered mituation with considerahlo depth of water, was, till the erection of Kiagatomu Harbour, the chief government packet atation. The harbour consist of two piers-the eustern one 2493 feet in length, and the weotern 2020 feet. On the extremity of the enstern pier in a lighthouse. The whole work is facod with eut granite, oxcept the sloping glacil under water, which in of red grit from linncorn in Cheshire. Athin herbour, the furmation of whlch cont nearly half a million aterling, in now almont entirely ngglected. From Howth ronad to the sands of the North Bull the whole of the promontory is rocky and precipitous towande the see On a detached rock at the south-enstern extremity, calles the Bailey, stands a lighthonso, which marks the northera eatrance to the May of Duhlin. From the Bailey of Howth to Dalkey 1nland at the opposite extremity of the Ilay of Dnblin, is a distance of 67 Engliah miles. Between these pointa the bay recedes in a semielliptical eweep to a dopth of about six miles inland. The shore snrrounding the head of the bay, where the Liffey, Tolka, and Dodder rivers empty themselves, is low : it rises however towards Blackrock and Kingstown, and beyond Kingstown is of a bold and picturesque character. Tbe river of Bray, which discharges itself abont half a mile north of the promontory of Brayhead, is the county boundary.

As a harbour, the Bay of Dublin is materially encumbered by a great tract of asud, which is bivected by the Liffey in a direction from Fest to east. Tho portion on the north of the Liffey is called the North Bull, and that. on the wouth the Sonth Bull. In order to protect the navigation of the Liffey from the mande of the South Bull, a pier consisting of a mound of gravel contained between double stone Falle was undertaten by the 1 rish government in 1748 . It runi from the auburb of lingnend along the northern margin of the Sonth Bull, to a dirtance of 7933 feot. In 1761 a lighthouse was commenced at the extremity of the Bull, and from it a wall was carried inwards towards the Pigeon-house. Thin sem-wall, completed in 1796, is compoed of two parallel walls of hewn granite, laid without cement; the space botween is filled to a certain height with gravel and shingle; over this thero in a course of stone-work imbedded in comeut; and the whole in finished on the top with a course of granite blocks laid in trass. The wall is 32 feet broad at bottom, and 23 feet at top. The Pigeon-house has been converted into a depót for artillery and military storea Another wall, called the North Wall, running nearly southcast from the opposite shore of Clontarf, is intended in like manner to confine the eands of the North Bull. By mesns of these worke the arvigation of the Liffey has been greatly improved, but the channel requires constast dredging. The bar, on which thero are eleven feet of water at spring-obbs, runs acros the channel immediately outside the lighthouse. An extensive besin in continnation of the North Well lesin, and a graving dock 384 feet long by 80 feet wide, are now In course of conatruction.

The insecurity of the bay, joined to the failuro of the works at Howth, led to the formation of a harbour at Kingstown, on the sito of the old harbour of Danleary, on the south side of the bay, in 1817. The small pler and tide harbour at Dunleary hare been inclosed within the new works, and aro now crossed by the Dublin and Kingstown sailrond. The new harbour ls formed by two piers inclosing an area of 250 acres, with a depth of from 15 to 27 feet, and approaching each other wlthin dintance of 850 fect. The eastern pier, on the extremity of which there is a bright revolvlog light, is $\$ 500$ feet long; the western one has a leagth of 4000 feet; and along both piers thero aro quaye, 40 fect wide, which aro protected from the sea by parapeta 9 feet high. Along the breast of the harbour is a wharf 600 feet long.

Ifydrography and Communications. -The Liffcy has a conrwe of little moro than eight miles from the point whero it enters Dublin connty to the Bay of Dublln at Rlngsend. It is aavigable for seaborme remels to the custom-honse, and for barges and row-boats to Chapelipod, about three miles farther np. The Dodder, the coarne of which lien almont wholly wlthin this countr, takes itacr, rise from nnmerotu small atremm dencending from Klppuro Monntain, and formlag a rapld atream which deacends $\ln$ a course of about ten miles In to the Ihay of Dublin at lingzend. The Tolks is a monall river rising near Dnnboyne in tho county of Meath: it lows cast by south through Blanehndelowa and Glannovin to the north- Wentern extremity of Dublin May, which It entern below Ballybough bridge.
The coninty is travernod In a weatwand direction by the Royal Canal and the Grand Canal, which nnite the Lifey with tho Shannon. The lloyal Camal leaves the 1roodntone termlau (whlch openn Into the Liffer a little eant of Dublin custom-house) and jaeses through Maynooth, Mullingar, Pallymabon, and Killashee to Tarmonbarry ou the Upper Shannon, the whole length belog 92 mlles. The whith of the canal throughont is 12 feet at top and 24 feet at bottom; the depth of water is mufficient to lout barges of 100 tons. The summit-level is
noar Mulliggar, 63 mile W. from Dablin, and at a height of 322 fect abore the sen; here tho canal is fod by the watess of Lough Owel. The artielen borne on this canal iuto the intarior are conk, mannm, and merclanadise of rarious kinds; those conveyed to the capital comprise stone, masl, brick, turf, oorn, meal, potatoen, pige, butter, dc. A branch canal connecte the town of Longford with the main trunk at Killanhoo.

The Grand Canal, the most inuportent line of intermal navigation in Iroland, runs wast by nouth from Jamesi-street Harbour, on the month-west of the city of Duhlin, acrom the counties of Dablin, Kildare, and King's Couuty to the Shannod at Shaunon Harbour, whence a branch, 15 milen la length, run to Ballinamloo along the right bank of the Suck, completing the mavigation weatward for a dietnece of 95 miles from the capital. At its highent level, whioh is $2 \% 9$ foet above the sea, near lRobertotown in the county of Kildare, the canal is fed by two tributarie of the Barrow; the slope betweon Dublin and Hobertatown in 26 milos iu length, and the ascent in effected by means of four donble and fourteen single locks. The dimensious of the canal throughout are 45 feet at the top and 25 feet at bottom; the depth of water is six feot in the body of the canal and five feet on the mills of the lock-gates. From the main trunk at llobertstown a very important branch runs south-west through Rathangan to Monastereran, whence along the right bank of the Barrow two cuts have bean made, one to Mountmellick and the other to Athy, below which the Barrow iv navigable to ite month in Waterford Harbour. The Grand Canal has an extensive range of docks, covering an area of 25 acres on the right bank of the Liffey near Ringsend. The communication with the river is by three sea-locke, and the basiss within are capable of containing 600 sail in 16 feet of water. Attached are three graving-locks for vemele of different dimensions, with several extensive stores; the whole being surrounded by spacious wharfs. The communication between the Grand Canal docks and the line from James's-atreet Harbour in by a branch canal of about three miles, running from the docks round the eouth-east and south of the city.

The main roads, an bject to tnrnpikes, which issue from Dublin, are those to Nlowth, Malahide, Drogheda by Sworda and the Naul, Drogheda by Ashboarn, Ratoath, Navan, and Mullingar, Carlow by Ratheoole and Tallaght. The chief lines free from toll are the military road and the roads to Enniskerry, Bray, and Kingstown. The railroads that radiate from the capital and traverse the county of Dublin aro-the Dublin and Drogheda line, which runs northward along the coast throngh Malahide and Balbriggan, and eends off a hranch to Howth; the Oreat Southern and Western, which connects Dublin with Limerick and Cork, passing through Clondalkin and Lucan in this counts; the Midland Great Western, connecting Dublin with Calway; and the Dublin and Kingstowa line, which is continned from Kingstown to Dalkey on the atmospherie principle.

Geolony and Mineralogy.-The greater part of the county of Dublin is occupied by a tract of mountain limestone, extending northward into Meath, and bounded in this county on the south by primitive rocks. Along the northern const also there are patehes of primitive rock, as the greenstone and argillaceous schints, which form the Man-of-War Hilla and the imland of Lambay, and the stratified quartz aud schist of Howth. The primltive formation on the south of the limestone plain consists of a ridge of granite sn pporting flanks of micaccous and argillaceous schints. 1 t Dalkey, and generally along the eastern and gorth-eastern limits of the granite district, the stone quarried is of the clomest grain, and excellently adapted for bnilding purposes. Between Blackrock and Dundrum the odges of the limestone field are in mereral places within a few yands of the granite, the intervening rocks of the scries not being observable. The limentone is extremely compact along the margin of the field towards the primitive aeries, and formsa good building material. Magnealan limestone occurs at Satton-on-110wth, and on the Dorder, near Milltown. It dreases with pecnliar sharpaca under the hammer or chisel.

The ouly minee workod are the lead and copper mines at Rally corus, within half a mile of the Scalp. Galcna, pottera'-clay, and manganese have been found on llowth, and fuller's-carth of a mlddling quality at Cnatleknock, on the left bank of the Liffey.

Climare, Soil, Agriculture, dec.-The climate of Dublio is tomperate; frosto rarely contiuue more than a few days, and wnow seldom lice. The prevailing winds are from the weat; casterly and nortls-easterly winds prevail in the spring. The quantity of rinin that falls at Dublin is less than falls at Cork or Belfant: the average annual depth of rain is only about 23 inohos 7 lines.

The soil of Dublin abouncls in mineral eprings: of those withiu the city ten are aline purgatlve aprings. There is at Lucan, on the right bank of the Liffey, a spa atrongly impregnatod with sulphuretted hyrdrogen gas These water have been found very efficacious in cutaneous diwoasch. Thero aro tepld springe of $75^{\circ}$ kiahreaheit near Finglas and Leixlip. The water, which rise from the Calp district around Dublin, is $w \frac{\text { impregnated with sulphate or aitrate of lime }}{}$ as to render lt muht for mosi domestlo purpores.

The regetable soil of the county of Iublin is generally shallow. On the granite bottom it is a light gravel, which requires atrong mannring. The subsoil of the Calp dintrict is a tonacious clay, which retains the water and renders the loamy soil wet and cold; but drainago and an unlimited supply of meavengers' mamure from the city have brought
that part of this district, which lies immediately round the capital, into a good state of productiveness. The quality of the land improves towards the west and north, and the district bordering on Meath is not inferior to the generality of wheat lands in the midland counties Villas, gardens, dairy-farms, kitchen-gardens, and nurseries occupy the immediate neighbourhood of the capital, and grazing-farms and meadow-lands extend over the country which is not occupied by demesnes, to a distance of 10 and 12 miles beyond those on the west and north. Cattle, sheep, and pigs are nnmerous and of improved breed: in 1851 on 18,512 holdings their numbers were respectively 41,$845 ; 30,775 ; 21,067$. The horses on the same holdings in the same year were 19,921: poultry numbered 155,286. In the rural districts tillage-farms vary from 10 to 300 acres; by far the greatest number consists of from 10 to 30 acres. Grazing-farms are larger, varying from 200 to 700 acres. The fields are mostly inclosed by quickset hedges.

Divisions and Tovens.-The county is in the archdiocese of Dublin, and in the diocese of Glendalough. It is divided into four Poor-Law Unions, North Dublin, South Dublin, Balrothery, and Rathdown; and into nine baronies:-1 and 2. Balrothery (East and West) on the north. 3. Nethercross, scattered through the other baronies in seven separate divisions, of which sir lie north of the city of Dublin. 4. Coolock, on the north-east of the city of Dublin. 5. Castleknock, on the noth-west of the city of Dublin. 6. Neweastle, on the west and south-west of the city of Dublin. 7. Uppercross, on the south-west of the city of Dublin. 8. Rathdown, on the south-east of the city of Dublin. 9. Dublin.

Dublis, the capital of the county and of Ireland; Balrothery and Rapmown, which sre eeats of Poor-Law Unions, with the sen-port of Kisostows, are Loticed in separate articles. The towns and villages which further require to be noticed we give here.

Balbriggan, population 2310 in 1851, a small sea-port town 22 miles N. by E. from Dublin on the Drogheda railway, is a place of some trading and manufacturing importance. It was a mere fishing village previous to 1780, when Baron Hamilton laid the foundatiou of its permanent improvement by the erection of two cotton factories, and the construction of a pier to improve the harbour. The public buildinge aro a church with a square embattlod tower, a Roman Catholic chapel, a Methodist meeting-housc, a sessions court-house, and a markethouse. Quarter and petty sessions aro held. The town is the head-quarters of the district police; and there is a coast-guard station at the martello tower on the strand. An important cornmarket is held on Mondays. Cattle fairs are held April 29th and September 29th. Fustinns, checke, jeans, and calicoos, are extensively manufactured. The embroidering of muslin employs a good many hands; and about 40 stocking frames are employed in the mannfacture of the famous 'Balbriggan hosiery.' There are here dye-houses attachod to the factories, a tan-yard, and salt-works. A viaduct of 11 arches, 35 feet high, by which the Drogheda railway crossos the harbour, is a great ornament to the towu. Thenew and inner harbour, completed in 1829, formod of a curved pier 420 feet long, and terminating in a lighthouse, has 14 feet water at high tide. The chief exports aro corn, meal, and flonr; the imports are coal, bark, and salt. Baldoyle, population 817, situated on a small creek, about 7 miles N.E. from Dublin. There is here a station of the Dublin and Drogheda railway. The Roman Catholic chapel is a handsome edifice, with a portico of four Tuscan pillars, over which is a turret supporting a dome and cross. In the village are a dispensary, National schools, and stations of the constabulary and the coast-guard. In summer the visiters to the place for sea-bathiug are numerous. A small fishery is carried on. Blackrock, population 2342, a well but irregularly built town, consisting of a main street, and several smaller streets, is situated on the Kingstown railway, 5 miles S.E. from Dublin. The town stands on the sonth shore of Dublin Bay, in a very pretty neighbourhood, studded with marine villas. It is much resorted to for sea-bathing. The chicf bnildings are a chapel of ease, a Roman Catholic chapel, and a Carmelite nunnery, attached to which there is a large Free school for girls. Booterstorn, population 535, on the shore of Dublin Bay, about 3 miles S.E. from the General Post-Office, contains a ncat church, adorned with a square tower and pimacles and a lofty spire; a commodious chapel for Roman Catholics, and a convent of Sisters of Mercy, in which about 200 poor children receive instruction. There are here National schools. The Kingstown railway runs close past the villago and has a station here. Bray, situated on the sen-shore, 12 miles S.E. from Dublin at the mouth of the Bray River, is partly in Dnblin county, but chiefly in Wicklow. The portion of the town situated in the county of Dublin is called Little Bray, and contained in 1851 a population of 1096 ; it is united to the Wicklow portion by an old bridge of fonr arches. The entire population of the town is 3156 . The most important buildings, which are all on tho Wicklow side, are a church, a Roman Catholic chapel, a Presbyterian chapel, and a Methodist meeting-house; there are also a fever hospital, a mavings bank, National schools, a petty sessions-housc, and police and coast-guard stations. The chief trade of Bray is in coal, slate, and Sutton linestonc, which are imported in small craft ; corn is exported. There are many liandsomo villas in the neighbourhood. Markets for provisions are held on Tuesday and Saturday. Ten fairs are beld in the course of tho year. Chapelizod, population

1683, situated on the Liffey, 3 miles W. from the Dublin General Post-Office, has a church, a Roman Catholic chapel, a National school, and a police station. The beautiful scenery of the Liffey in this ueighbourhood, and the proximity of the Phonix-park render it a favourite place of resort in summer. Opposite to one of the entrances to the park near the village is the Roman Catholic church of the Nativity, a handsome building in the early English style, with a tower 120 feet high. Clondalkin, population 474, about $4 \frac{1}{2}$ miles S.W. from Dublin, is situated close to the Grand Canal, and to the liue of the Great Southern and Western railway, of which there is a station here. The village contains several neat houses. There are here the parish church, a chapel for Roman Catholics, almshouses for widows, and several charitable institutions. Near the village is the monastery of Mount Joseph, established in 1813. Therc is here an ancient round tower 100 feet high, 15 feet in diameter, with a conical roof of stone. Numerous handsome residences are in the vicinity. Clontarf, population of the village and sheds 875, memorable in Irish history for the great defeat of the Danes by the Irish under Brian Boru on Good Friday, 1014, is a pretty but scattered village, 3 miles E.N.E. from Dublin. The old castle of Clontarf was taken down in 1835 and a modern mansion with a Norman tower erected on its site. Marino, the seat of the Earl of Charlemont, is close to the village. A small church and a large and haudsome Roman Catholic chapel aro the most notable buildings. There are extensive oyster beds off the sheds of Clontarf. Dalkey, population 252, distant 8 miles S.E. from Dublin, at the eastern extremity of Dublin Bay, was formerly a town of some importance, and had in 1358 a charter of incorporation. The chief relics of its ancient consequence are the remains of three old forts, and a church. The only public building is the Roman Catholic chapel. A large church has been recently erected uear the coast; and not far from it is the Loretto convent, a handsome cruciform structure. In the village there are a National school and coastguard and police-stations. On Dalkey Island, which is about 3 niles from the shore and has an area of 22 acres, are a martello tower and battery. . The atmospheric railway connects Dalkey with Kingstown and Dublin. Donnybrook, population 1970, a suburb of Dublin, on the road to Bray, is situated on the Dodder, whicl is crossed by Anglesea bridge. The public buildings include the parish church, chapels for Roman Catholios and Wesleyau Methodists, a Magdalen asylum, a dispensary, a lunatic asylum, and an hospital for incurables It was formerly famous for its fair, originally granted by King John, and lasting 15 days from the 26th of August. The fair, which is now one of pleassure, is still held; but it does not continue louger than a week, and of late years it has been greatly shorn of its traditional glories. Drumcondra, population 434, a suburb of Dublin, about 2 miles N. from the General Pust-Office, contains many elegant mansions. The Roman Catholic Missionary college of All Hallows, a commodious building, situated in the midst of extensive grounds, provides accommodation for 200 studenta, who are educated for foreign missionary service. There are here a Roman Catholic chapel, a dispensary, and an asylum for female penitonts. Dundrum, population 594, about 4 miles S. from the General Post-Ofice, consists of one main street, chiefly cottages. It contains a chapel for Roman Catholics, a petty sessions court-housc, a dispensary, and a National school. The parish church of Taney, a handsome cruciform edifice, stands on Taney hill. The village is finely situated and is much resorted to in summer by invalids. Glasnevin, population 398, a suburb of Dublin, 2 miles from the General Post-Office, is situated on the bank of the river Tolka. There are here a small church, the Model Traiuiug school of the National Board of Education, the Claremont Institutiou for the deaf and dumb, a Rouran Catholic institution for the deaf and dumb, almshouses for widows, the Botanic Gardens of the Dublin Society, and Prospect cemetery, which contains several beautiful monuments, including one to the memory of Curran. Harold's Cross, populacion 2934, situated on the Grand Canal and on the road to Rathfarnham, 3 miles S. by W. from Dublin, is a large village built round a spacious central green, and surrounded by handsome villas and grounds. The priucipal buildings in and near the village arethe church, at the entrance of Mount Jerome cemetery; the convent of St. Clare, attached to which is a neat chapel ; a Free school for female orplans; the Carmelite friary; and Pim's cotton factory, in which 6000 spindles are driven by steam and water power. The cemetery, the grcat attraction of the place, has an area of 25 acres beautifully laid out and surrounded by a shrubbery and lofty trees. It contains many handsome tombs and monuments, including one to the late Mr . Drummond, undersecretary for Ireland. Hoveth, popnlation 829, a small fishing town, about 8 miles N.E. by N. from Dublin, consists chiefly of one main street. It contains the parish church, a Roman Catholic chapel, a dispensary, a National school, and stations of the constabulary and the coast-guard. The harbour cost a large amount of public money, but did not answer the purpose of its construction, aud the mail packet station was in consequeuce transferred to Kingstown. Howth castle is an extensive embattled structure with a tower at each cnd. George IV. landed at Howth in August 1821. A brauch of the Dublin and Drogheda railway was opened to Howth in August 1846. Kilmainham, population 473, besides 255 innnates of the jail, a suburbnn village on the road to Nans and near the terminus of tho Great Southern and Western
raimay, is interecting for its lioynl hospital, connty consh and jail. The hospital in a quadrangular hnilding two stories high, inclooing an area 310 feet square, neatly intersected with walks; the north entrance is surmounted by a square tower, clock tnrrot, and octagonal spire. The hospital is the oflicial residence of the Commander of the Forces in Ireland. Like Cholee hospital in London, whlch it resemhles also in its architectural fentnn's, Kihnainham honpital forms a home for zuimed officors and soldiors. It was buift in 1050, after a desigu hy Sir C. Wren. The county court-house is a large and handsome hnilding, connected with which is the county jail. Eiections of members for the county are held here, and also quarter bessions. In the village in a chapel for Independents There are some woollen cloth mills at Kilmainham. Not far from the hospital is tho terminus of the Great Southern and Western railway, the platform of whieb is 612 feet long, corered in hy a roof supported on 72 cantiron columns lream, populatiou 578 , n village on the Grent Southern and Wentern railway, is situated 7 miles W. from Dublin, on the high road to Galway, and consints of a wide street of smali but neat houses. It cecupies a protty site, in a fertile ralley on the left bank of the Liffey, which is here apanned by a hridge of oue arch with a granite parapet The village coutains a parish church, which is surmountod Uy : tower and apire, a large Roman Catholic chapel, a Methodist meeting-house, the spa-house, and National schools. Lucan is noted for its chal beato spring. Tho scenery round the village is varied and beautiful. In Weston Park the Liffey falls over a series of rocky ledges and forms a cmscade called tho 'Salmon Leap;' over whicb the fish dart at a single bound. Lusk, population 710, situated near the IUsh station ou the Drogheda milway, 17 miles N. by E.from Dublin, has a handsome church with a mansire square tower, erected on the wite of Lusk ahbey, a large Ioman Catholic chapel, and two National echook. Lusk church contains several ancient ecclesinstical remnins. Maluhide, population 596, a small village on the Malahide inlet, 9 miles N. from Duhlin on the Drogheda railway, consists chiefly of neat cottages, let in the summer to sea bathers, and has a parish church, a Koman Catholic chapel, and poliec and coast-guard stations. Across the inlet, which in dry at low water, the Drogheda railway is carried by a wooden riaduct and cmbankments Grain, meal, and flour are exported, and large quantities of coal are imported. Off the const there are extensive oyster beds. The castle, or 'Court of Malahide, a large square building flanked by lofty circular towers, stands on a high limestone rock, commanding a fine view of the bay. It has been the rexidence of the Talbots, lords of Malabide, sinco 1174, with a short interval during the Commonwealth; and contains serersl splendid apartments roofed and decorated with richly carred ancient Irish oak Ranclagh, population 3209, a suharh of Dublin, aitunted on tho road to Dundrum, 2 miles S.F. from the Qeneral Post-Office, consists of a main street, a square, and several arenues and terracts. The Carmelito conrent, attached to which is a band sowe chapel, and the Methodist mecting-house, are the principal buildiuga. There are many pretty villas and ranges of housee in the neighbourhood of Ranclagh. Ruthmines, popnlation 3216, a suburb, about 2 milos S . from the General Post-Ófice, separated from Dublin city by the Grand Canal, which in here cromed by Latouche's hridge, presents a strect of well-huilt houses a mile and a half in length, intersected hy avenues and terraccs. The church of the Holy Trinity and the Roman Catholic chapel arc handsome structures There are Free and National schools. On the right of the road to Dublin are the Portobello artillery and cavalry barracks. Considerable improvemeut has taken place in the neighbourhood within the last fuw years. Rush, population 1406, a fishing village, situated on the const 17 miles $\mathbf{N}$. hy $\mathbf{E}$. from Duhlin, has a commodious harbour for mmall craft. The harbour has been recently repaired, and will accoinmodate vensels of about 50 tons burdeu. The banks frequented by the Ruah firbermen are about 20 miles from the shore, and abound In ling, hake, and haddlock. Tho Roman Catholie chapel and the martelio tower on the beach are tho principal buildiugs. Kenure l'ark, near the town, in a apacious and handsome mansion, once the residence of the great Duke of Ormond. Skerrier, population 2327, a small town nituated on the const and on the liue of the Droghala raidway, 18 milen N. by Fis from Duhlin. The inhabitants are chiefly engaged ln the fishery of the coast. The chief huildings are the parinh church, whleh han a equare tower nurmounted with pinnacles, and a large Roman Catholio chapol. There are bero malting-klins, corn-milh, and a yeast hrewery. A connting trade in carried on in protace, limestone, and coal. A great number of femalem in the town and nelghbourhood ane employed in muslin embroidery. The harhour is formed by a pler, and affords good holding ground and shelter for resels of about 90 tonn The town in frequented in summer for bathing. Off the port are the four Skerry Islandin. There is a martello tower on shenlck: Inland, the largeat of the four, which les an area of 15 scres; nad mother on IRed Ishand, which ls nearest the shore. Swonds, population 1294 , in a market town situated on the road to Drogherla, 8 milen N. from Dublin, and on amall river that enters Maluhide Bay. From $16 i 8$ to the Union, Swords was a I arliamentary borongh aul returned two meinbera to the Irish I'arlis. ments At the Union 15,000t. Were granted as an Indemnification for the lons of its privilegen; with the money wan founded a school, which rill exinth, and is attended hy above $300 \mathrm{chlfl} \mathrm{m}_{\mathrm{c}}$. The town consists
of a whle strect about a mile in length. The parind chureh, a band some modern structure, and a IRoman Catholic chapol, which is surnounted with a small tower and apire, are the chief builinges. Quarter messions are held here twice a year, and petty samions cvery fortnight. There is a National school in Swords. The parish of Swords is studded with uumerous country mants and villa resileucen. Thereare here a round tower and mome remains of ancient ecclenjastical buildings

Before the Union, Sworls and Newcastle rfturned two members ench to the Irish Parliameut. The county of Duhlin, tho city of Dublin, and the nuiversity of Dubiin are each at present represented by two members in the Imperial l'nrlinment

The commerce of the county of Dublin, exclusive of the calrital and its immedinte vieinity, is limited to the consting trale carried on at Balbriggan, Bray, and the other towns along the coath The cotton and stocking manufactures carried on at Balhriggan have been alrenly mentioned. Many females are employed in emhroidering muslin for Belfast and Scotch houses. There are extensive corn-mills on the Liffey, the Balhriggnn river, and the Kimnage hrook, on the southwest of Harold's Cross. The fishing-grounds lic in from 15 to 60 fathoms' water between the Dublin const and the lale of Man. The fish consist chiefly of turhot, hrit, sole, and plaice, which are sent to market daily throughout the jear. There is a well-known fishing ground betwecu Rush and Lambay Island on which cod, ling, haddock, whiting, de., are taken. The fishery districts of Dublin aud Swonds comprise together $\$ 5$ miles of sen-const.
The Pagan antiquities of the county of Duhlin are not numerous. There is a cromlech on the hill of Carrickmoor in Howth. Another cromlech stands to the soutb of Killiney, on the descent into the valo of Shangnagh ; and at Brcananstown, on the Bray road, $6 \&$ miles from Duhin, there is a third of large dimensions. Dublin is however rich in ecclesiastical and military antiquities. The round tower of Clondalkin, $4 \frac{1}{2}$ miles from Dublin, ou the southeru road by Rathcoole, is in better preservation than most similar edifices in Ireland. The antiquities at Swords, on the grent northern rond, 7 miles from Dublin, consist of a palace of the archbishope of Duhlin in ruins, a square steeple of the old church, and a round tower 73 feet in height. This tower is also ingood preservatiou, and retains its conical stone capping. Between Swords and Baldoyle, 5 miles from the capital, is the hamlet of St. Doulagh's, containing one of the most singular stoue-roofed churches in Ireinad. The entire edifice mensures but 48 feet by 18 feet. It is divided into a rude nave and choir, which columunicate hy a narrow squaro-headed doorway not sufficiently high to admit a full-grown person upright The castles of Clontarf, Raldangan, Naul, and Castleknock are amoug the principal detached mifitary edifice.

The county assizes are held at Kilmainhsm, and the quarter-sossions at Kilmainham, Balbriggan, and Swords. In December 1851 there were in tho county 148 National sehools, attended by 12,555 male and 14,514 female children. The constabulary force of the county numbers 243 men including officers; the head-quarters of the force are at Baliybough. There are 11 const-guard statious in the county. The coulty of Dublin, together with the cities of Dublin and Drogheda, and the counties of \$leath, Louth, and Wicklow, contribute in proportion to their populations to the support of the Riehmond Luuatic Asylum, huilt in Duhliu in 1315. Five fever hospitals aud 47 diso pensaries are supported by voluntary contributions and grand-jury presentmeuts. In 1851 tbere were 3 savings banks in the county, at Duhbn, Balbriggau, and Castleknock. The total amount owing to depositors on November 20th, 1851 , was $21 \Omega, 046 \mathrm{l}$ 1s. 4 d .

DUBLIN, the metropolis of Ireland, a municipal and parlianentary borongh, sen-port town, and the bead of two Poor-Law Unious, in situated on the banks of the Liffey at its entrance into the Bay of Dublin, in $53^{\circ} 20^{\prime} 38^{\circ}$ N. lnt., $6^{\circ} 17^{\prime} 29^{\prime \prime}$ W. long, anel 60 miles W. from Ilolyhead. The population, which in 1841 was 232,726 , amounted to 258,361 in 1851 . The borough is governed hy 15 aldermen and 45 councillors, one of whom is annually eleeted lord mayor; and returns two menhers to the Impcrinl Parliament: two membern are alno returued hy the University of Trinity College. For purposes of police the city aud its dependencies are divided into 7 districts, placed in charge of 2 commissioners, 7 superintendents, mud 24 inspectors, with 100 sergeants, 1000 constables, and 20 supernumerarica. The Nurth Dubliu Union comprises 9 clectoral divisions, with an aren of 41,187 ncres, and a population in 1851 of 135,182. The South Dublin Union comprises 8 electoral divisions, with an area of 48,523 aeres, and a populatiou of 183,594 .

The carly history of Dublin is involved in great obscurity. It is gencrally agroed that the city named Liblaua in the geography of P'tolemens occupied tbe site of Dublin ; and the name Eibiana, as well no the mames Duhlin, Dyfliu, and Dyvelin, which are wet with in historical documenta, all neem to bo corruptions of the Irish Duhh-linn, which signifies Black.pool. The city was held in early tizes by the Vikiugr. Ostmen, who built a citalel hero and carried on constant predntory warfare with the native Irish. In 845 the Dancs arrived in Dublin, demolinhed the citadel, and slaughtered or mubjected its Norwegian iuhahitanta. For more than two centuries the Dauce of Duhlin coutinued to wage war witis the native lrish, causing mueh devantatiou and hlooklaled.

The history of Dublin since the Anglo-Norman invasiou in 1170
belongs rather to the general history of ths kingdon than to that of the city. [Ireland.] Under the Norman sway the city increased in importance and extent. In 1205 the castle was ordered to be bnilt and the city to bs fortified, and in 1215 a stons bridge was built over the Liffey. The Reformation was established in Dublin in 1535 ; in 1550, on Easter Sunday, the liturgy was rend in English for the first time in Christ church. The university of Trinity College was founded by Queen Elizabeth in 1593. Since the Union with Great Britain, although Dublin haa greatly declined as a centre of commercial and manufacturing industry, it has increased in size and population, and continues to advance in architectural improvement.

Ths ground on which Dublin stands rises gently from the river towards the north and south-west: the highest ground in the city is at the Broadstone harbour of the Royal Canal, which is 62 feet above the level of high-water in the Liffey. The Circular Road, which has a length of about 9 miles, incloses a much larger space than is occupied by the city, especially to the sonth-west and north-west. The city is lighted with gas, and it is supplied with water chiefly from ths Royal and Grand canals.

The eastern division of the city on the right bank of the river lies almost wholly without the limits of the ancient city, and stands on level ground, tho northern part of which has in a great measure been reclaimed from the former bed of the Liffey. Six extensive spots of open grouud ornament and ventilatc this portion of the city; namely, Wellington-square, Fitzwilliam-square, Merrion-square, ths park of Trinity College, the Castle gardens, and Stephen's-green. Dame-street, which leads from the castls to the university, expands towards its eastern extremity into Collegegreen, from which all the leading lines of communication radiate. The whole area of College-green on ths east is occnpicd by the front of Trinity College, a large and dignified pile of building oi the Corinthian order erected in 1759, and extending north and sonth 300 feet, a little in advance of the provost's honse.
Near the college stands the Bank of Ireland, formerly tho Irish house of parliament, founded in 1729, which presents a portico of six Corintlian columns towards College-street, and a semicircular façade with a reccding centre of unnsual magnificence towards Collcgegreen. In the roadway opposite tho bank is an equestrian statne of William III., in former days the object of many party demonstrations.

Of the squares which lie east and south of College-green, Stephen'sgreen is the first in point of extent. The area within the railing measures more than 20 statnte acres, and is haudsomely laid out. In the centre of the inclosure there is an equestrian statne of George II. In Dawson-street, which leads out of the north side of Stephen'sgreen, is the Mausion Housc, a large plain building with a statne of George I. on the lawn on the south side of it. A littlo east of the Mansion Honse is tho Dublin Society's House, between Kildare-street and Merriou-square. Here is the site of the building for the Great Exhibition held in Dublin in 1853. Merrionsquare, the finest in Dublin, is formed by handsome buildings inclosing an area of $12 \frac{1}{2}$ acres, which is tastefnlly laid ont, forming a favourite promenade. Other remarknble objects in this division of the city are-Sir Patrick Dun's Hospital, a largs granite structure; the Grand Canal docks; Queen'ssquare, off Grent Brunswick-street; St. Andrew's, a large and costly Roman Catholic chapel; the terminus of the Kingstown railway in Westland-row ; and on Burgh Qnay, south-east of Carlisle bridge, the building formerly known as Conciliation Hall, and the Corn Exchange, a handsome structure of mountain granite.

The eastern division of the city on the left bank of the Liffey occupics higher ground, and is airy and cheerful. Monntjoy-square and Rutland-square occupy the crest of the hill, and from these respectively tho chief lines of communication are Gardiner-street and Sackville-street. The façade of the Lying-in Hospital and the Rotundo forms a striking termination to Sackville-street on the north. In Sackville-street, about midway between Carlislo bridge and the Rotundo, stands a fluted Doric column, on a pedestal of large proportions, bearing a colossal statne of Lord Nslson, erected in 1808. A little farther sonth on the west side of the street is the General Post-Office, which has a cut-granite front of 223 feet. In the centre is a portico of Portland stone, with colossal statnes on the apex and extremities of the pediment. The Custom House occupies a detacled plot of ground on the quay leading from Carlislo bridge to the north wall. This spleudid building, founded in 1781, is 375 feet in length by 205 feet in depth, and exhibits four decorated fronts of the Doric order; the columns, \&c., being of Portland stono, and tho body of the building of cut granite. To the east of the Custom House are docks and stores on a very extensive scale, surrounded by a lofty wall. Near the Custom House is the terminus of the Drogheda railway.

The Romna Catholic metropolitan chureh, situated in Marlboroughstreet, is a magnificent structure, crected in 1816 at a cost of $40,000 \mathrm{l}$. Oppositc to this church is tho central establishment of the National Board of Education, occupying a space of above five acres, and comprising a board-room, library, commissioner's residence, male and female Training and Model schools, and an Iufant school. St. George's church, adorned with a beantiful spirc, and occupying tho highest ground in the district, is the most sumptuons of the modern churches of Dublin; it was erected from a design by Johnstonc, and cost 70,0002. In Upper Gardiner-street is the Roman Catholic chapcl of St. Francis Xavier, which bas a bandsome Ionic portico.

GEOQ. DIV. vot. IJ.

Ths western division of the city, on the left side of the river, is almost exclusively occupicd by dealcrs, tradesmen, and labourers. The portion of it which lies along the quays and towards the BlueCoat Hospital is however well built. The building called 'The Four Courts,' situated on King's Inn Quay iu this district, was commenced in 1786, and is of great extent and splendour: In this district arc St. Paul's chapel, a graceful granits structure, with an Ionic tetrastyle portico facing Arran Quay; the Blue-Coat Hospital; the Royal Barracks; the terminus of the Midland Great Western railway; the North Dublin Uniou Workhouse; ths Richmond Lunatie Asylum; the Richmond Penitentiary; the Horse of Industry and hospitals attached ; Newgate, the Sheriffs' prison, and ths city Sessions House; the Linen Hall, opened in 1728; and the King's Inns.
West of the Royal Barracks is the entrance into the Phœonix Park, a finely-wooded demesne of 1759 acres, containing the vice-regal lodge, and the lodges of ths chief and under-serretary; the Zoological Society's gardens and establishment ; the Royal Military Infirmary; a powder-magazine and artillery station; and an obelisk, erceted in commemoration of the victories of the Duks of Wellington.

Tho division of Dublin which lies west from the castle, on the right bank of the Liffey, is ths oldest part of the city, and is now almost exclusively occupied by persons in trade, small dealers, and ths labouring classes. The castls of Dubhin, at the north-eastern sxtremity of this district, consists of two handsome quadrangles, surrounded, except on ons side, by the apartments of state and the offices of government. West of the castle stands Christ church cathedral, a venerabls cruciform structure, part of which is of a date anterior to ths coming of the English. South from Christ church, at a distancs of rather more than a quarter of a mile, is the cathedral of St. Patrick, sitnated at the foot of the declivity, the ridge of which is occupied by the castle and older cathedral. St. Patrick's is an imposing pile, consisting of nave, transepts, snd choir, with a chapter-house at the east end. Attached to the cathedral are the ancient archiepiscopal palaco (now used as a police-barrack), and the deanery-honse, a commodious residence built in the last century. At the back of the old palace is the library founded by Archbishop Marsh in 1694. South of this division are a penitentiary, the Portobello gardens and barracks, and several hospitals; and on the west of it are the Sonth Dublin Uuion Workhouse ; the Royal Hospital of Kilmaiuham, built at the cost of the army in 1684; the Fonndling Hospital; Swift's Hospital for Lunatics; Steevens's Hospital ; the terminus of the Great Southern and Western railway, a remarkably handsoms granite structure situated between Steevens's Hospital nud King's bridge; Kilmainham jail and court-house; and the artillery barracks at Island bridge. The Liffey is crossed by nine bridges, seven of which are executed in stone, and two in metal. It is lined for a space of nearly thres miles with quays formed of stone embankments faced with granite.

The condition of the poorer classes in Dubliu is wretched in tha extreme ; jet there are few cities in which charitable institntions are more numerous or better supported. The total number of charitable schools in the city of Dublin is above 200. The Lying-in Hospital in Great Britain-street, founded in 1757, is the earliest institution of the kind in the United Kingdom. Among other institntions are--the Meath Hospital and Infirmary, attached to which are an anatomical thcatre and lecture-rooms; the City of Dublin Hospital ; the Fever Hospital; and Mercer's Hospital, founded in 1734. The religious and charitable societies are very numerons.
The places of amusement include the Theatre Royal, the Queen's Theatre, the Hall of the Society of Ancient Concerts, the Music ITall for concerts, and the Abbey-street Theatre. The University Choral Society holds its meetings in the refectory of the college. The Portobello and the Rotundo gardens are neatly laid out, and in summer are well attended, on account of the firework displays exhibited.
The trade of Dublin consists chiefly in the supply of the midland districts with articles of import, comprising tea, coffee, sugar, tobacco, timber, deals, wine, \&c. The harbour of Dublin has becn greatly improved within the Iast 30 years. Two steam dredges ars now employcd cleansing and deepening the channel, so that large vessels can unload at the quays, there being a depth of 24 feet on ths bar at high water, and abont 12 feet at low water of spring tides. Extensive docks, with a depth of 16 fect water, and surrounded by quays and capacious storehouses, communicate with the Liffey to the east of the Cnstom Honse ; and on the right side of the river the docks that communicate with the Grand Caual afford commodions wharfage for merchantmen and colliers besides that supplied by the river quays. The channel of the Liffey, in Dublin Bay, is now deep cnough for vessels of 1400 tons. The number and tonurge of vessels registered as belonging to the port of Dublin on December 31st, 1852, wers:-Snilingvessels, under 50 tous, 279 , tonuage 8222 ; above 50 tons, 131 , tonnage 20,239 : steam-vesscls, under 50 tons, 2, tonnage 84 ; above 50 tons, 42, tonnage 11,269. During the year 1852 there entered the port, in the coasting and cross-channel trade:-Sailing-vessels, inwards 4746, tonnago 360,316 ; outwards 2267 , tonnage 140,470 : steam-vessels, inwards 1444, tonnage 429,659; outwards 1528, tonnago 467,122. In the colonial and foreign trade there entered 403 sailing-vessels of 78,600 tons burden, and one steam-vessel of 606 tons; and there cleared 239 sailing-vessels of 53,386 tons aggregate burden. The gross amount of customs collected at Dublin during the year ending January 5th, 3 g

1852, was 823,3531 . ; the excisorlutles wore 350,540 . Large quantities of wize are lmported luto Doblin. The wines are Inported direct, and convist chicly of port, sherry, cape, Fronch, and Italian winen

Mercantile business was formerly carried on at the Exchange, but it now tranenctod at tho Commercial Buildinga is Damesstrect Thero aro a chanber of commerce, and an arbitration court for oases coltnectel with shipping bunines. Several foreign consuls reaide in Dublin. Much of the inland trade of Dublin is carried ou by the Royal and Crand canals, which aro noticel under Denirs* Countr. Tho woollon, cotton, linen, and silk inaoufactures, notwithstanding many eforts to rovive them, are nearly all extinch. The manufacture of poplin atill fourishes to some extant lirewing, Iron-casting, and cabinet making seem to be the innet prosperous branches of manufncture.

Among the learnel institutious of Dublin the principal in the Unlremity, incorporated as the Collego of the Holy aud Un-livided Trinity; which was founded by Queeu Elizabeth. The oollegiate body consista of a provost, 7 scnior fellows, one of whom is vice-provost, 18 junior fellows, 70 seholars, and 30 sizans. The number of students, usually about 2000 , is said to have been considerably dininished in consequence of the establishment of the new Queon's colloges in Galway, Belfast, and Cork. The permanaent income of the University arises out of landed eataten, whioh produce a reat of $18,8161.2$ s. per snoum, cxelusive of the provost's separate eatate, which produces a rent of 2400 , per anmum. The incomo accruing from the class-fees of pupils amounts to about $30,000 \%$. per annum, and a large sum is annu. ally drawn in rents of ohambers aud fees for commons, de. The colloge possesses a fine library of above 130,000 volumes, and the sumber of books is steadily incransing, in consequenco of the right which the college bas to copyright copies of books published in the United Kingdom. Connected with the Unirensity are a museum, rich in minerals and Irish antiquities; a magnetic obeervatory, in the Fellows' Garden; a school of anatomy near the south-east corner of the college park; a printing-house on the north side of the park; a botanio garden near Ball's bridge; and the astronoznical obscrvatory at Duusink, four miles north-west from Dublin.

By letters patent, dated August 15, 1850, Queen Victoria founded tho 'Queen's University in Ircland,' with powers to grant degrees in arts, medicine, and law, to students who havo completed their atudios in any one of the Qucen's colleges of Bolfast, Galway, or Cork. The Univeraty consists of a chancellor and senato, named by the Crown; tho meetiugn of the seunte for holding examinatious and granting degrees anust be held in Dublin. The Royal Dublin Society, incorporated by George 11., 1749, occupies tho late residence of the Duke of Lcinster, in Kildare-stroet. The museum of the society is open to the publio twice a week; and the professons deliver public and gratuitous lectures, A considerable namber of youths are instructed gratis in the fine arts iu the Society's schools. The looyal lrish Academy, for promotiug the study of sciences, polite literature, and antiquities, was iucorporated in 1756. The acadomy-house is iu Grafon-atreet: the library is rich in ancient Irish manuscripts, and the museum contuins a romarkably fine collection of Celtio antiquities. The Koyal Mibernian Aeademy of painting, sculpture, and architecture, lncorporsted in 1803, has its academy-house in Abboy-strect; this building was bestowed on tho body by Mr. Jolinstone, tho distinguished architect. Thero is here an anuual axhibitiou of painting and sculpture.

The other chief societics for the promotion of science and general knowledge in Dublin are the Zoological, Ceological, Agrioultural, Horticultural, and Dublin-library societies, Among the institutious lately established is tho Museum of Irish Industry, for forming comploto collections of the materials for agricultural, mining, and manufacturing industry which Ireland containa. There is a valuable law library lvelonging to tho King's Inns in Heurietta-streot

Dublin is well supplied with provisions of all kinde and of oxcellent quality. Smith feld, the wholesale market for cattle aud hay, is deficleut in accommodation; it covers very smnll space, snd is appronched only by narrow lusen. The other marketa are in general not sufficioutly commodious : they aro-Syitalficlds for bacon, butter, and pritatoen; Kevln-ctreet for the mame, and for liay; lloot-lane for


Dublin gives title to an archbishop, who is atyled primato of Irelavi, aud whose province includen the following united dloceses :Dublin, Gleadalough, and Kildare, which forng the see of the archLinhop; Oanury, Ferna, and Leighlin; Cashel, Emly, Watorford, and Lismore; Cort, Cloyne, aul liom; Kllisloe and Kilfonora; and Limerick, Arlfort, and Aghadoe. The bishoprio of Dublin, founded by Si l'atrick or his immediato ancoensons, whas creoted lato an archbishoprioln 112 2. In 1214 tho see of Glendalough, which is now merely norninal, was annexed to that of Dublin; and by the Chureh Temporelition Act, paemel in 1838 , the bishoprio of Kirdare was consolidated with the seen of Dublia and Glendalough. The archiepiecopal see of Dublin comprimes 183 lenefios, of whioh 180 aro In the diocene of Dublin, and 14 in that of Kildare; it Incluten the counties of Dublin, Kildaro, Wicklow, a small part of Wexford, and King's and Queen's countiges The chapter of Christ chureh eathedmal consinte of a dean, pro-precentor, chancollor, treasurer, 8 prebendaries, and is vlears choral. The chapter of the collegiate and canthedral church of Sh Patrick consists of a dean, sub-dena, precentor, chancellor, tremurer,

20 prebendaries, 4 ninor canons, and 13 vioars choral. The income of tho anchbivhop of Dublin ls TisCl a year.
(Whitclaw aud Walsh, Mistory of the City of Dublin: Piclare of Dublin: MacGlashan, Dublin and its Environs; Land Il'c Lire In, rol iii. ; Thom, Irith Alaanac: Parliamentary Papern.)

DUBNO, the eapital of the circlo of Dubno, which is the richest and most productive of the aubdivisions of the Rusaian government of Volhynla, is situatod on the Ikwa a foeder of the Stry, in $50^{\circ} 25^{\prime}$ N. lato, $25^{\circ} 40^{\prime} \mathrm{E}$. long., and belong to the prince of Lubomiraky, who takes from It a ducal title ms its owner. The Polish nobility of those parts held their annuad seasions at Dubso from 1744 till Western Poland was eeized by Russin Dubuo is an extremely irregular town in its construction; the alreots aro narrow, orooked, and unpaved; the houses are built almoat wholly of wood. The inhabitanta, among whom are a great many Jows, number about 8000 . Dubno has a ducal residenco, a Greek abbey of the onder of St. liasil, moreral Greek and Roman Catholic churches, and a grammar-school. The poople carry on much traffic in corn, flax, tobacco, fish, and cattle, the produce of tho adjacent country, and hold a large fair at Whitsuntide.

DUDLEF, originally writton DUDELLEL, Worcesterahire, a parliamentary borough, marlet-town, and the sent of a Poor-Law Union, in the parish of Dudley, is situatad in $52^{\circ} 30^{\prime} \mathrm{N}$. late, $2^{\circ} 4^{\prime} \mathrm{W}$. long.; distant 29 miles N . by $\mathrm{Fi}_{2}$ from Worcenter, 120 milea $\mathrm{N} . \mathrm{W}$. from Londou by road, and 125 miles by the North-Weatern and South Staffordshire railways. Tho population of the parliamentary borough, which conaists of the parish of Dulley, in 1851 wan 37,962. The town is under the juriadiction of the county magistrstes, and has a mayor and bailiff appointod by the lord of the manor. For maitary purposes it is under the managemeut of a Local Board of Health. The borough returns oue member to the Imperial Parlinment. The living ia a vicarage in tho arehdeacoury and diocese of Worcester. Duclley PoorLaw Union contains 4 parishes, with an area of 16,655 acros, and a population in 1851 of 106,480 .

About the commencement of the 8th century a strong castle was built on an clcrated site at this place by Dodo, a Saxon priuce. In 1664 Colonel Beaumont held the castle for the king for a period of threo weels against tho Parlinmentary forces; a party of the Ropal army arriving from Worcenter relicred the besieged forco. The remains, consisting of a gateway, the keep, part of tho tower, the officcs, \&c., are of a highly intereating character. A priory for Bonedictine monks formerly cxisted here; the ruins of tho building are about half a milo from the town.

Tho housen in the town are generally woll-built and neat in apparance, the streets are clean and well pared, and the towu is lightod with gas. Tho parish church, dediontod to St. Thomas, is a handsome building with a lofty spire. Tho other churches are St. Edmund's, St. Audrow's or Netherton, St Jamas's, and St John'e The Wealeyan aud New Connexion Methodists, Baptints, Independents, Preabyteriana, and Unitarians have places of worship. Tho Free Crammar achool, endowed by Quecn Elimaboth with land which uow yields above 300 h per anuum, educates about 40 scholars. Thero are National and Brikish schools, alue-Cont school vell ondowed, a Charity school for 40 girls, aud a achool for 60 boys, at which others besides those on the foundatiou receive instruotion. There are in Dudley a subscription library, a mechanicu institute, a mainga bauk, a dispensary, and various charitios for beucvoleat purposes.

Dudley is a place of considerable impartance in counection with the iron trade. The ncighbourhood abounde with iron-ore and with coal. Among the articlos raanufactured are fire-lrons, grates, naile, vices, chain-cables, \&c. There aro extensive glass-works and limestone quarries. A tunacl a mile and threequarters in length aud 18 fcot high, for convering the limestone under the Castle-hill to the kilns, passes through the hill on which the castle stauds. Fairs are held on May 8th and October 2nd for cattle, checae, and wool; aud on August sth for lambar Saturday is the market-day, and a considerable amount of market busincse is also transacted on Monday. A county court is held in the town.
A. fossil called the Dudley Locust is found in great quantities and of various sizes in tho limeatone quarries in tho neiglibourhood; It is supposed to be an extinct species of Mouoculus. In the vicinity of Dudley there are soveral chalyboate springe, as well as a mina well, beld in ligh estimation for its oflicacy in cutaneous disordorn.
(Nash, Ilorccstershire; Communication from Dudley.)
DUISBURG, town iu Khenish Prumin, in the government of Diasoldorf, is situated betreen the liuhr aud the Rhine, which meet about 3 miles below the town, in $51^{\circ} 20^{\prime}$ N. lath, $0^{\circ} 40^{\prime}$ l:s long., 16 miles by mailway N. from the town of Disseldorf, and has about 7000 inhabitants. The alte, which is anclent, was in the timen of tho Romans denominated Castrum Dousonis, Thotown is sarrounded by walls and docayed towers on one alde, and by a rampart and ditehes on the other, and is situnted in a fertilo and agreenble country. Duinbnrg was in the 13 th ceatury an lmportant member of the llansentio league. It afterwanis was made a free town of tho Gcrman ompire, but lout its privileges in tho last war, at the close of which it was handed over to Pruenia A canal unites the town with the lhino on one side, and the lWuhr touchen it on the other. Sailing and steam vcanels are built : evveral of the Cologne company's atoamers were constructed in Duisburg. There is a largo vitriol factory in the
town, and a cloth-mill worked by steam. Duisburg contains a gymnasium founded in 1599, an orphan asylum and hospital, endowed almshouses, a monastery of Muorites, and five chnrehes, of which St. John the Baptist's dates from A.D. 1187 , aud St. Salvator's, on the tower of which once stood an observatory, dates from 1415. It was the seat of a Protestant university founded in 1655 and abolished in 1802. There are considerable manufactures in the town, particularly of woollen-cloth, cottons, stockings, glue, soap, starch, and leather; and an extensive traffic in wine and colonial produce, grain, and cattle. In the neighbourhood there are several iron-works. The valley of the Ruhr is distinguished for its industrial and agricultural activity and for its coal-mines. The remains of the Duisburg Forest, mentioned by Tacitus ('Annal.' i. 60) under the name of the Saltus Teutoburgensis, are in the vicinity.
DUKINFIELD, Cheshire, a village in the parish of Stockport, is situated on the left bank of the river Tame, in $53^{\circ} 29^{\prime} \mathrm{N}$. lat., $2^{\circ} 4^{\prime}$ W. long. ; distant 42 miles N.E. from Chester, 186 miles N.W. by N. from London by road, and 195 miles by the London and NorthWestern railway. The population of the township in 1851 was 12,132. Dukinfield is properly a suburb of the town of Ashton-under-Line, which is on tho opposite or Lancashire side of the Tame. Some statistics on the cotton manufacture in this neighbourhood are given under Ashton-UNDER-LINE Extensive iron-foundries, collieries, and brick and tile works afford employment. There are in Dukinfleld two churches of the Establishment; chapels for Independents, Wesleyan, Primitive, and New Connexion Methodists, Moravians, Unitariaus, Roman Catholics, and Mormonites; and National, British, Infant, and local day-schools.

DULEEK. [Meath.]
DULVERTON, Somersctshire, a market-town and the seat of a Poor-Law Union, in the parish of Dulverton, is situated in $51^{\circ} 2^{\prime}$ N. lat., $3^{\circ} 33^{\prime}$ W. long., distant 14 miles S.W. by W. from Bath, and 165 miles W.S.W. from London by road. The population of the parish in 1851 was 1497 . The living is a vicarage in the archdeaconry of Taunton and diocese of Bath and Wells. Dulverten Poor-Law Union contaius 11 parishes and townships, with an area of 54,758 acres, and a population in 1851 of 5748.

Dulverton is situated near the border of Devonshirc, in a decp valley watered by the Barlo, a feeder of the Ex. The town cousists chiefly of two streets, in which are some well-built houses. The parish church, an ancient odifice, comprises a nave, chancel, and two side aisles, with an embattled tower 60 feet high at the west end. The Independents have a place of worship, and there is an Endowed school. Tho silk manufacture is carried on. Saturday is the marketday. Two ycarly fairs are held.
(Collinson, Somersetshire.)
DUMBART. [SURREY.]
DUMBARTON, or DUNBARTON, the chief town of Dumbartonshire, Scotland, a rofal burgh, market-town and port, in the parish of Dumbarton, is situated at the confluence of the Leven with the Clyde, about 15 miles W.N.W. from Glasgow, in $55^{\circ} 57^{\prime}$ N. lat., $4^{\circ} 37^{\prime}$ W. long. The population of the royal burgh in 1851 ras 4590 ; that of the parliamentary burgh was 5445 . It is governed by a provost and 14 councillors, and jointly with Renfrew, Rntherglen, Kilmarnock, and Port Glasgow, returns one member to the Imperial Parliament.
The town consists of one principal street running parallel to the river Leven and of eeveral smaller streets. The houses are generally well built, and the burgh is ueat and clean, well paved, and lighted with gas. The public buildings include the parish church, the Free church, chapels for United Presbyterians and Roman Catholics, and the county-hall and prison. An elegant bridge of five arches spans the Leven. The harbour is small, and owing to a bar at the mouth of the river only veasels of light birden can enter the harbour except at high water. Steamers sail regularly to Glasgow, Greenock, and Loch Long.
The Dumbartonshire railway, which extends from Bowling (a village on tho river Clyde), 3 miles W. from the town, to Balloch, has astation at Dumbarton. Steamers ply on Loch Lomond in connection with the railway. There are two ship-building yards, a graving-dock, and a crown-glass and bottle work. Rope-hpinning is carried on. A weekly corn-market and au annual fair are held in the town, and sheriff, burgh, and justice-of-peace courts are held. There are public libraries and rcadiug-rooms. A large portion of tho salmon fisheries of the Clyde belongs to Dnmbarton.

It is supposed by some antiquaries that Dumbarton occupies the site of the Roman station called Theodosia A mile from the town, and at the mouth of the river Leven, forming at high watcr nearly an island of itself, stands the steep rock so often mentioned in Scottish history, Dumbarton Castle. This rock, which riscs up in two points, is inaccessiblo on every side, except by a very nartow passage, fortifed with a strong wall or rampart. The rock is divided into nearly equal parts, the western peak, which is rather the higher, being about 206 feet abovo the level of the river. Within the wall at tho base is the guard-heuse, with lodgings for the officers, and lence a long flight of stone steps leads to the upper part of the castle, where are several batteries mounted with cannon, the wall being continued almost round the rock. There are rcmains of a high gateway and wall, the top of
to the other. An excellent well is constantly supplied with water. The rock on which the castle stands forms a picturesque olject from the Clyde, whose waters wash its base. This castlo was formerly a great object of contention, and has sustained several sieges. In tho upper part where the rock divides, and in the passage between the peaks, convenient barracks have been erected, as well as a small arsenal, which contains Wallace's gigantic sword and many other curiosities. Besides the castle the only remnant of ancient times is a gothic arch, enid to be all that remains of a collegiate church founded in 1456 by a countess of Lennox. This arch formerly stood in the outskirts of the town, but to make way for tho railway was removed to the front of the Burgh school.
(New Statistical Account of Scotland; Communication from Dumbarton.)

DUMBARTONSHIRE, a maritime county in the west of Scotland, lies between $55^{\circ} 53^{\prime}$ and $56^{\circ} 20^{\prime} \mathrm{N}$. lat., $3^{\circ} 54^{\prime}$ and $4^{\circ} 53^{\prime} \mathrm{W}$. long. The county consists of two parts, which are soparated by an intervening space of 6 miles betweeu their nearest approaching poiuts. The larger and western part is bonnded W. partly by Argyleshire, but principally by Loch Long (which separates Dumbartonshire from Argyleshire), S. by the river and Frith of Clyde (which separates this county from Renfrewshire) and by a small part of Lanarkshire, E. by Stirlingshire, and N.E. partly by Stirlingshire, and for a short distance by Perthshire, the boundary line being in the centre of Loeh Lomond. This portion of the couuty is about 35 miles in length from northwest to south-east, in a straight line, and in the middle about 15 miles in breadth from east to west. The small detached eastern part of the county is inclosed by Stirlingshire on the north, and by Lanarkshiro ou the sonth, and measures 12 miles in length from cast to west, and $2 \frac{1}{2}$ to 4 miles in breadth from north to south. The area of the county is in all 297 square miles, or 189,844 statute acres. The populatiou in 1841 was 44,296 ; in 1851 it was 45,103 . The county returus oue member to the Imperial Parhiament.

Coast-line-On the southern coast of the county, at the villago of Bowling Bay, 3 miles above the town of Dumbarton, the Forth aud Clyde Canal falls into tho Clyde. Half a mile nearer Dumbarton, and on a rock projecting into the river, stand the ruins of Dunglass Castle. A monument has heen erected on this spot to the memory of Henry Bell, the originator of steam navigation. The Leven falls into the Clyde at Dumbarton Castle. [Dumbarton.] The remainder of the southern coast, from Dumbarton to the Gareloch, is low and saudy, and the river near it is shallow. At the small village of Cardross, there is a ferry to Port Glasgow, auciently the ferry betwixt the western highlands and lowlands of Scotland. A few miles north-west of Cardross is Helensburgh, a fashionable resort of the citizens of Glasgow for sea-bathing. Immediately to the north-west of Helensburgh, and formed by the peninsula of Roseneath; is the Gareloch, a small sea-water lake running north-west and south-east, the shores of which are embellished by numerous villas, principally the property of inhabitants of Glasgow. It is about 6 miles loug, and averages a mile in breadth; and affords excellent anchorage for vessels of all sizes, and shelter from all the more prevaleut winds. The western coast of the county is the eastern shore of Loch Long, an arm of the sea running north-west and south-east, and stretching northward from the Frith of Clyde. It is upwards of 20 miles long, and varies from 1 mile to 2 miles in breadth. The other coast of the eounty is that bounded by Loch Lomond, the princlpal part of which extends about 24 miles from Gleu Falloch, at the extreme north of Dumhartonshire, to the bridge of Balloch, where the overflow of the lake forms the river Leven. The shore of this ceast is low, and the hills rising alinost immediately from the lake, make it narrow. It is in general richly aud beautifully woodod. Tho remaining part of this coast, from Balloch to the boundary of Stirlingshire, runs then worth-east; the barks are generally steep. This line of coast is about 5 miles in length.

Surface, IIydrography, and Communications.-Tho south-easteru part of the county which is detached from the rest is generally of a lowland character. Between this outlying portion and the maiu part of the county exteuds a flat district through which the Kelvin Water runs. Proceeding in a north-westerly direction, the county is but slightly undulated until we approach the parishes of Row aud Luss, with the exception of the rock of Dumbarton aud the Kilpatrick Braes; which last, though cultivated or plauted to the tops, attain an elevation of 1200 feet above the sea level, interscet a fertile country, and afford extensive aud delightful views from their summits. North of Bonhill and Cardross the country rises into mouutaius, of which the Ioftiest, Ben Voirlich, at the northeru end of the county, attains a height of 3300 feet. Along the side of Loeh Lomond lies romantic scenery, of which a part is that known as Rob Roy's country. Tho most northern of the parishes, Arrochar, containing about 30,000 acres, is so entirely mountainous as to afford only about 400 acres for arable cultivation. In the parish of Luss, south of Arroehar, several of the hills attain a hcight of 3000 feet. West of Luss are two uearly parallel ridges of hills. Of these the main range ou the west is cultivated in some places, and the rest is covered with heath; it uuites with the eastern range at the head of the intervening glen, which is about five miles long, and from a quarter to three-quarters of a mile broad. After uniting, they run north-west. Fumart Hill, the loftiest
of the range, attains a height of 2500 feek. The parish of Rosoncath Is a penimula, lanriug on the cast tho comparatively narrow inlet of the Gareloch, and on the west the wider expanse of loch Lowg. Few counties posecas more picturesque scenery than Dumbartonshirs Through this county lies one of the routes to the wilder and sterner landacapes of the Wostern Ilighlands in Aroslemhire and Perthahire.
The uumerous streams and laken of Dumbartonkire contribute in no sinall degree to the comfort a:d prosperity of the inbabitanta, the fertility of the soil, and the charms of the scenery. The chief rivers ano tho Clydo and tho Leven, both of them in their upper courses monntainstroans, and both subaidiug into calm and usoful rivers. The Clyde howerer is only a boundary stream, touching the county a little above West Kilpstrick and separating it from IReufrewshire. The leven flows from the lower end of Loch Lomond, and passes by the foot of Dumbarton Rock into the Clyde. It is largely used for manufacturing jurposes, for which the softuess and purity of its waters peculiarly adapt it, in the bleaching and dycing processes carried on at Bonhill and other placem on its banke.

The other atreass are of small importance, but thoso of Fallocl, Inveruglass, and Douglas, which contribute their waters to Loch Lomond near its head, aro dirersified by cascades as they deacend from their mountain sources. Fivin Whater risos on the south-west of the Campsie fells, flows through Kirkintilloch parish, aud falls into tho Clydo at Partick, a little below Glasgow; in its lower courso its banks become bold and elevated, and the stream rapid, which character it maintains till it joins the Clyde. Tho Forth and Clyde Caunl skirts the northern borders of the parishes of Cumbernauld and Kirkintilloch, then crossing a part of Lanarkslure, it enters Dumbartonshire again by the Kelvin aquednct, runs along tho southern part of East Kilpatrick, and joins the Clyde at Dalmuir in West Kilpatrick. The islands in Loch Lomond form parts of the parish of Luss. There are eight other fresh-water lakes in the county, of which Loch Hog, about a mile long and a quarter of a mile broad, is the largest.

The higeway and cross-roads are in general well made and kept in good onder. The elief high rond follows the north bank of the Clyde from Glaggow to Dumbarton, through which town one branch still following the Clyde sestuary, leads to Cardross, Helensburgh, the Gareloch, aud crosaing a narrow isthmus between the lakes, to the banks of Loch Long, and the village of Arrochar, at its northern extremity: a second branch traverses the west aide of the vale of Leven and the west eide of Loch Lomond to the extreme north of the county. Another high road leads from the road between Glaggow and Dumbarton, through Boubill along the soutl-eastern bank of Loch Lomond to Stirlingelire. Ou Loch Lomond are steamers which touch at the several rillages on the bauks of the lake, at all of which there are ferries Several steamers start daily frou Dumbarton, and several also from the Gareloch, to the towns on the Clyde and to Glasgow. By the Dumbartonshire railway there is communication between Glangow and Balloch, at the south-east end of Loch Lomond vin Dumbarton. The detacled portiou of the county is traversed in part by the Edinburgh and Glasgow railway, which has a station at Cumberwauld and a branch to Kirkintilloch and Campsie in Stirliugshire. The Monkland and lirkintilloch railway is entirely a mineral line. The Forth and Clydu Canal also traverses this portion of the county, presing through the town of Kirkintilloch.

Geology. - The northern part of the county, including the whole of Arrochar and the larger part of Luss and Iow, connists of mica-slate, which ovarlics the gneiss, and is trarersed by dykes of whin aul groenstone. Quartsose mica-slate forms the loftiest of tho hills, and slno the basin of Locls Lomond, except its southeru extremity, which belongs to the old red-sandstone. Talcose slate also abounds, the raica runuiug into and blending with it. Clay-slate is wrought at Camstraddan and Luse. South of Camstraldan grauwacke and grauwacke slatc occur: the whole partaking decidedly of the character of the lower Silurian series. The southern portion of the singular peuinoula of Rosencath is occupled by the old red-sandstone, which extevdnacross the county in an canterly disectiou by Ardroore and Ihonhin lito Stirlingahire. The basin of the Frith of Clyde is formed by the old rel-mandatone; n curious example of this formation is the rock or 1 romontory of Ardmore, 40 feet high, aud nearly insulated, which in compoed entircly of old red-sandstone conglomerate, with iubodded ragueuts of water.worn quartz. Carbouiforous limestone oocurs it several placen in the main portions of Dumbartonshire aud forms the bulk of the sletached parishen of Cumbermauld and Kirkintilloch. At Duatocher, In Old Kilpatrick, limentone ls extensively worked, and coal in wrought in connection with it, The bods of conl are betweon 4 fect and 6 foet ln deptlh. At Cumbernauld the limeatone occupies both siden of a remarkably pleturemue ravine, and is worked to a great extent; the conl of Cumbernauld and Kirklntilloch la ued for making coke, thell an for buraing the limeatone of the nelghbouring quarries. Ironstone ls found ln small beds in connection with the limentone. Greoustone, trap, amygdaloid, serpentine, por. phyry, and bavalt oceur in several places. At Kuockderty on the shore of Loch Long in a large dyke of greenstone about 20 feet thick, which linh convorted the rock through which it ham protruded into a chlorito alate. Remarkable examples of columnar banalt are met with at Auchentorlic and C:cmarbuck in Old Kllpatrick, where they form lofty preciplees and gire a very bold and romantic chameter to the
sconery. Columnar bassle occura siso at Danglass and Duwling. Columasr groonstoue ls fuund at Smithson and clsewhere.

Climate, Soil, Agriculture.-Tho climate is iu general bealthy; it is mild but bumid, the quantity of rain falling in the conrso of a year being much above the average of many other parts of Scolland. Frost is scklon severe, or long cortinuerl, anl snow does not fall heavily ob remain long on the ground. Wosterly winds prevail duriug the greater part of the year.

Along the Leven and Clydo aud genemally in the south nucl south-eastern parts of tho county the soil cousists of a fertile bluck loam. In other parts the soil is chiedy light and saudy; or a light gravelly loau. The hills have for the mast part a light slaty soil; those near Loch Long are entirely devotod to pasture, bnt clecwhere cultivation has in mauy parts been carried far up the bill sides The farms vary very much in size; many do not exeed 30 acres, oflers iuclude au ares of 700 or 800 acres. In the larger farms the land is well cultivated; the most approved methods are practised aud improvements are readily introduced. The lighland cattle are commonly kept on the hills, but in the plains prefereuce is given to the Ayvishire breed, or a cross between them and the highland cattlo. The sheep on the lails are the hardy black-faced race; on the plains the Cheviots aro generally found. The aative borses are suall but bardy.

Dirisions, Towens, dec.-Dumbartonshire (except the detached portion) is within the eccleaisstical jurisdiction of the Synod of Glasgow and Ayr. It contains 12 parishes and 16 ministers of the Estsblished Church, four of whom officiate in chapels of ease. There are 12 Free churehes in the county, and several others belouging to United Presbyterians and other Dissenters. The only royal burgh is Dumbartos. Next in importance to it is Melensburgh: which is a burgh of barony, with an elective council, and possasses a haudsome chapel of ease in connection with the Eistablidhment, besides the Free church, and clapels for United Presbyterians, Independents, and Episeopalians. The population in 1851 was 2811 . liclensburgh is much frequented in summer for sea-bathing. Kirkintilloch, in the parish of the eame unme, is a burgh of barony, with two magistrates and a council, and a parish population in 1851 of 6343 . The inhabitants are chielly engaged in haudloom weaviug. There are anlico bleaching aud printiug works, collieries, limeworks, aud stone quarries.
The following villages may be mentioned, with their population in 1851, and a fow other partisulars:-

Alexandria, a suburb of Bouhill. [Bownill ] Arrochar, or Arroquhar, a fishing village at the northern extremity of Loch Long, populatiou of the parish 562 , is frequented during summer for seabathing : it coutnius many good houses. Borcling, a small village on the Clyde, about 11 miles N.W. from Glasgow; has a commodious winter harbour for vessels : there is a yard for ship-building. Cumbero nauld is a large village iu the detached portiou of the county, population of the parish 3778 : in the neighbourhood are some reunains of the wall of Antoninus and the old castle of Cumbernauld, the aucieut resideuce of the earls of Wigton. Handloom weaving is the chief occupation. Dunfocher, population 3809, about 6 miles N.W. frou Glasgow, has several large cotton factories, and in the vicinity aro collicries and limc-works A bridge over a stream uear the town is pointel out as all that remains thero of the labours of the liomau zoldiers on Autoninus's wall. Old or Il'est Kilpatrich; a burgh of barony, and fornerly it is exid a regality, now a mere village ou the banks of the Clyde about 10 miles N.W. from Glagow: populution of the parish 5921. In the ceutre of the town stauds the old barouial prison. West of the village is a mound called the Chapel Hlill, where varjous Romna sepulchral stones containing the aaues of Roman legions bave been found: vases and coius have also been taken out, and foundations of walls lave been explored. The spot is now considered to hare been the termination of the wall of Antoninus. Luar, a villago ou the lanks of Loch Lomond, population of the parish 907 : the inhabitauts are chicfly employed in the neighbouring ante-quarrios, Renton, population 2398, ls situated between Dumbartou aud Bonhill Near the tow on the river leveu are exteusive bleach-fiolds, which afford employmeat to many of tho inhubitanta

Ifitory and Antiquities.-There is very little in the early history of the county apart from that of Dumbarton Castle. [Dumbartosi.] Its anodern history is that of the establishanent within it of cottonsfactories and bleaching-grounds, calico-printing works, and nhipbuidling yarls, aud of extensive agricultural Improvemeuta. In this district occurred the disperaion of the followern of the liarl of Argyle in 1685, and tho battle of Glenfruin, which led to the cxtirpation of the clan MacGregor.

The most interenting antiquities of the county are those connected with the Joman possersion of the authern part of Scotlaud. Besides the remalns of the Roman wall in West Kilpatrick parish alrealy nentioned, there are traces of the wall aud remains of forts in soveral other parts of the county. There aro remaius of ancient ecclesiastical edifices whono history is now little known. In Cardross parish are the ruius of the chapel of Kilmahew, a yisit to whose slriue, it is mid, couferred on the pilgrim eonsillersble splritual advanting s. Ou Loch Long side, at Kuockdorry, ls the site of a Danish forto Stoue collins haro been found at Lum, tho church of which was dedicatod
to St. Mackessog, a bishop and confcssor, who is said to have suffered martyrdom A.D. 520 , and whose tomb is still pointed out.
Cumbernauld House, lillermont, Garscube, and Gleuarhuck, in tho detached part of the county ; Tillichewan Castle, Balloch Castle, and Strath-Leven House, on the Leven; and Batturich Castle, Ross Priory, and Rossdhu, on the shores of Loch Lomond, are the more noticeable residences of landed proprietors in the county. The Garcloch is studded from Helensburgh to the head of the lake with numerous large and handsome villas, and on the promontory opposite is Roseneath Castle, a residence of the Duke of Argyll.

Industry.-The most important hranches of industry in Dumbartonshire are those pursued on the banks of the Leven, and descrihed under Boshill and Dombanton. On Loch Long and the Gareloch a small portion of the population is employed in fishing, though their income is chiefly derived from letting out a part of their cottages during the scasou of sea-bathing. In 1851 there was one savings bank in the county at Dumbarton. The amount owing to depositors on November 20 th 1851 was 1883l. 16s. 7 d .

DUMFRIES, Dumfriesshire, Scotland, the chief town of the county, a royal burgh and market-town, in the parish of Dumfries, is beautifully sitnated upon a rising ground on the left bank of the river Nith, in $55^{\circ} 4^{\prime} \mathrm{N}$. lat., $3^{\circ} 36^{\prime} \mathrm{W}$. long., 73 miles S . hy W. from Edinburgh. The burgh is governed by a provost, 3 bailies, a dcan of guild and treasurer, 12 conncillors, and 7 dencons of trades. It unites with Annan, Sanquhar, Lochmahen, and Kirkcudbright, in rcturning one nember to the Imperial Parliament. The population in 1851 was 11,107; that of the parliamentary burgh was 13,166.

Dumfries is a clean and well-built town. The principal street is about three-quarters of a mile long, and about 60 fect broad. The streets and shops are well lighted with gas. There are two parish churches, a chapel of ease, and chapels for Free Church and United Presbyterians, Iudependents, Episcopalians, Roman Catholics, and other bodies, St. Michael's churchyard has been called the 'Westminster of Scotland,' from the character of its monuments. It is here that the remains of the poet Burns lie interred under a handsome inausoleum erected by subscription. In tho middle of the High-street is Mid Stceple, erected hy Inigo Jones, where the meetings of the town-council are held; opposite to it is the Trades Hall. The other public buildings are a county jail, a hridewell, an academy, several cndowed schools, a theatre, assembly-rooms, an infirmary, an hospital for aged persons and orphans, and a dispensary. The Crichton Lunatic Asylum is a large and handsome building surronnded by shrubberies and gardens. It is capable of accommodating 100 patients. A sccond building is intended chiefly, if not exclusively, for pauper paticnts. There are two libraries, a mechanics institution, scveral public reading-rooms, and a savings bank.

Dumfrics is celebrated for its weekly markets, which are held on Wednesday on the 'Sands,' an open space on the bauk of the river. Besides the quarter-sessions and the usual sheriff"s courts, the circuit courts for the southern distriets of Scotland are held here twice a year. Maxwcll Town, on the opposite side of the river, a small burgh of barony chiefly inhahited by an Irish populatiou, is a suhurb of Dumfries. The Nith is crossed at Dumfries by two bridges-one a very ancieut structure supposed to have been bcgun by Dcvorgilla Douglas, mother of John Baliol, king of Scotland; the other was built in 1795 .

The river is navigable up to the town, and the harbour can receive vessels of upwards of 120 tons hurdcn. Tho registered vessels belonging to the port ou the 31st of December 1852 were 127, of 10,221 aggregatc tonnage. During 1852 there entered the port in the coasting trade 870 sailing-ressels of 26,086 tons, and 125 steam-vessels of 32,408 tons; and there cleared 399 sailing-vessels of 13,277 tons, and 116 steam-vessels of 29,747 tons. In the colonial and foreign trado the entries were 13 vesscls of 2603 tons, and the clearances were 11 vessels of 2423 tons. A steam-vessel plies weekly between this port and Liverpool. The principal exports are wool, frecstoue, grain, potatoes, and live stock, particularly sheep. The imports are wood, winc, slate, lime, coals, and iron. Pork forms an extensive article of trade.
The prosperity of Dumfries depends in a great measure on tho country trade. Hosiery and tanning have long been carried on. A large spinning and weaving woollen-mill gives employment to upwards of 100 people. Dumfries is a principal station on the Scottish SouthWentern railway.

Dumfries as a burgh dates from the reign of David I. Its possession was always eagerly sought by the respective monarchs in the wars betwixt the Scottish and English kings: it was in the ehapel of the Minorite convent at Dumfries that Bruce slew his rival Comyu; and it was at Dumfries that Bruce's hrother-in-law Seton was hanged by order of Edward I. The town was frequently plundered and hurned. Dumfries participated in the religious disnsters of the reigas of Charles I. and 1I; in 1715 it was threatened with siege; and in 1745 its adherence to the government involved it in the penalties of highland occupation and plunder.
(New Statistical Account of Scolland; M'Diarmid, Picture of Dumfries; Tytler, Jistory of Scolland; Communication from Dumfries.) DUMFRIESSHIILR, a southern county of Scotland lying betwcen
S. by the Solway Frith and Cumberland, N. by the coulutios of Lanark, Peebles, Selkirk, and Roxburgh, E. by Roxburghshire, and W. by the counties of Kirkcudbright and Ayr. Its form is an irregular ellipse : tho greater diameter being about 50 miles; the lesser about 30 miles. The area is 1129 square miles, or 722,813 acres. Of tho whole county littlo more than $\Omega$ fourth is under tillage. The population in 1851 was 78,123 . The county returns one member to tho Imperial Parliament.

Surface, IIydrography, and Communications.-The surfaco of the county is very irregular. About half of it is mountainous, a small part is flat sea-coast, and one-third midland, consisting of low hills, ridges, and vales. It has a general slope to the Solway Frith, aud the mountain ranges are principally in the north and east. These serve to shelter the county from cold, while its comparatively inlaud situation protects it from the Atlantic rains, Ayıshirs and Kirkcudbright intervening between it and the western coast. The extensive rauges of mountains in the northern part of the district produce also the almost innumerable streams, great and small, by which tho county is watered. All these streams find their way either directly or by confluence with the rivers Nith, Annan, or Esk, to the Solway Frith. Hartfell, the highest mountain in tho county, in Moffat parish, is 3304 feet above the level of the sea; Low ther Hill, near the village of Leadhills in Lanarkshire is 3130 feet; Black Larg, on the borders of Ayrshire, is 2890 feet; Ettriek Pen, in Eskdale Moor, 2220 feet; and Cairnkinna, not far from Drumlanrig, is 2150 feet above the level of the sea: these heights however must be taken as of uncertain authority.

Dumfriesshire was, until a comparatively recent period, almost destitute of timber. Year after year the slopes of mountains and other naked tracts are being gradually planted, alike for the purposes of shelter and ormament. Much good has been effected in almost every parish by drainiug the land.

From tho Sark to the Nith, this county extends about 21 miles along the Solway Frith. The shore is generally sandy aud gravelly, the saud beiug occasionally mixed with clay, and sometines covered for a space with large stones called 'cobbles.' On many parts of the coast considerable portions of land have been reclaimed from the sea. The principal harbours ou the coast are those of Dumpries and Annan. There is a small quay at Glencaple, a village at the mouth of the Nith, where vessels for Dumfries occasionally unload. Therc is also a creek at the mouth of the Lochar farther east, to which small vessels find access, theso bcing generally tradcrs briuging coal from the opposite coast of Cumberland At Queeusberry Bay in Cummertrees parish, still farther eastward, vessels of small burden find ready shelter from north and north-west winds; and at various epots along the coast of Doruock and Gretna parishes (tho most enstern part of the shore of the county), vessels of 100 tous burden discharge coals und slate: grain and potatoes being exported in return, to a large amount, to Liverpool aud other places ou the Euglish coast.

The Solway Frith is narrowed by two promontories, Tordoff point on the south coast of Dumfriesshire, and Bowness on the opposito shore of Cumberland, to a breadth of two miles. Passing theso points the channel inland expauds rapidly, and is ultimately divided iuto the smaller channels of the rivers Esk and Edeu; the extensive Rockchifi sands being outspread between the Scottish and English rivcrs. The tide of the Solway flows directly east with great rapidity, over an immense expanse of sand, and the navigation of the Frith is consequently at once difficult and dangerous. "During spring tides, and particularly when impelled by a strong south-wester, the Solway rises .with prodigious rapidity. A loud booming noise indicates its approach, and is distinguishable at the distauce of several miles. . . The tide-head, as it is called, is often from 4 to 6 feet high, clafed into spray, with a mighty trough of bluer water bchind, swelling in some places into little hills, and in others scoopcd into tiny valleys, which, when sun-lit, form a brilliaut picture of themsel ves." (M'Diarmid's 'Picture of Dumfriesshire.')

The principal rivers in the county are the Nith, Annan, and Esk. The $N$ ith enters the county fiom Ayrshire, aud runs iu a south-east direction in a very wiuding course above 40 miles, passing Sanquhar, Thornhill, and Dumfries. About 9 miles below Dumfies it falls into the Solway Frith. The surrounding mountains aud ridges approach near each other above Drumlanrig castle, iu the south of Durisdcer parish, and also near Blackwood, not far above Dumfries, and divide the vale of the river into three portions, which havo been named the Vale of Sanquhar, tho Vale of Closeburn, and tho Vale of Dumfries. Tho trihutary strcams which join the Nitl are the Cluden, Scaur, Shinnel, Cainple, Curron, Meuock, Euchan, Crawick, aud Killoe. Its banks are almost everywhere adorned with gentlemen's scats and pleasure-grounds. The Annan rises near the sources of the Clydo and Tweed, among the mountains uear. Moffatsurrounding Erickstane and the singular deep and caverned glen called 'the Devil's Beef-Tuh,' and runs a course nearly south of ahout 30 miles. It entcrs the Solway a little below the burgh of Annan. The tributary streams that flow iuto the Aunan are tho Mein, Wamphray, Eran, Milk, Dryfe, Kinnel, Ae, and Moftit. A heautiful ridge crosses the vale of this river from Kirkwood by Murraythwaito to Mount Anuan, In the hed of the Kinuel is a rock called Wollace's

Lomp, near which place Wallince is said to have concouled himesis aner the battle of Falkirt. The Esk rises in the mouutains on tho borders of Selkirkehire, runs in a mouthern diroction atove 30 miles in the county, passes Langlolin and Canonhle, and forms for one mile tho bonndary with England; after whlch it entors Cumherland, and tnrms westimand through an opon country by Longtowninto the Solway Frith. Thls river recelves in its course the Riddel, Tarrns, Wauchope, Ewes, Moggot, and Black Lisk. The Kirtlo is a small river that enters the solway Frith a little distance from the river Sark, a border stream, forming the boundary between England and Scotland for some distance beforo it euters the Solway. Both theso Sivers rise from the hills in the neighbourhood of Langholm, nad pursue a southern course of about 20 iniles. The Lochar is a rivulet which risee in Tinwald parish, a few milen north of Dumfries, runs about 13 miles in a very eerpentlne course, and discharges itself into the Solway, a fow miles east of the mouth of the Nith, and near the ruins of Charlaverock Castle. The larger rivers contain salmon, herlings, narr or samlot, and sea-trouk These, and slso flounders and cod, nind occasionally turbot, soles, and herrings are taken iu the Solway Frith. Aloug the shoro considerable quantities of cockles and mussels ane gnthered by the poorer people. The smaller rivers contain pike, perch, trout, and eols. In the vicinity of Lochmaben aro nine lakes, five of which aro of consideralle size. The ancicut royal eastle of Lochmaben stands upon a very narrow peninsula on the southeast side of the castlo-loch, which is three miles in circumference. The mountain lake called Loch Skeen, situated near the head of Molfat Water, is 1300 feet above the level of the sea, and about two miles in circumfereuce. This lake feeds the well-known cascade callod the Gray Mare's Tail, and is well stocked with delicate trout of a large size. There are soveral other lochs or lakes of less extent throughout the county.

Dumfriesshire is intersected in almost overy direction hy turnuike and other roads. The Carlisle and Glaggow road euters the couuty at Sark hridge, and passes through Gretna, Annau, Dumfries, and Sanquhar. Another main rond to Glasgow passen through Gretna, Lockerhy, and Beattock bridge. A line of road leads from Carlisle towards Portpatrick, hy Annan and Castle Douglas, A turupike road extends from the town of Dumfrics to Edinhurgh hy Moffat. The roads in general are kept in excellent order, and safe and easy communication hare been opened through several parts of the mountainous districts. The Glasgow and South- Western, the Carlisle and Sithadale, and the Caledonian railways afford to the inhabitauts of Dumfriesshire communication to every part of England and Scotland, and immediate access to the steamers which eail for Ircland from the west const of Ayrsbire.

Geology, Mineralogy, dc.-The largest portion of Dumfriceshire consists of the granwacke rock, trap occurriug here and there, but along the valleys of the Nith, Annan, and Esk there exists a great variety of other formations, while aloug the shore or southern part of the county a bed of sandstone extends with but bittle interruptiou. In the upper part of Nithidale there are two coal-fields, one at New Cumnock, a continuation of the Ayrshire strnta; and one around Sanquanr of an independeut formation. Below this there is an extensive bed of old red-sandstonc, in which are the valuahle limebedn worked at Closehuru and Barjarg: the lowest hasin is that around Dumfries, which consists of the new red-saudstone alone, and which is now generally regarded as the continuation of the gandstone of Cumberland. Ou the borders of the lower portion of Nithedale and Annandale, a stratum of limestone Is found which runs east through Fiskdale until it is merged lu the great limestone formation of Northumberlnnd; this stone is worked at Kilhead iu Anuandale. In the middle of the valley of the Annan there is also an extensive bod of sandstone similar to that around Dumfries, well known to geologists from the impressions of the footsteps of an animal of the tortoine kind found at Corncockle Quarry, near Lochmaher. A little lower down the vale of Annan some interesting igneous formations exiet. ('Now Statistical Accouut of Scotlaud,' St. Mungo, hy Rev. Mr. Jamioson.) The lower portion of Eskdale coutnins besides the limentone already mentioned, a bed of coal which is advantageously worked at Canonble.
At Wanlockheat, on the northera border of the county, and near Leadhills, In lanarkhlire, are extensive lead-miues. From this lead silver in extracted in the proportion of six to twelve ounces in the ton. There are three relne of mineral hero varying in thicknces from a fer Inches to 0 feet. Gold is occanionally found in the mountains In thio neighbourhood in veins of quartz, or wnshed down into the nand of the rivuleta. In the relgn of Lilizabeth, 300 men were employed for coveral sumnern, and are said to have collected gold to the value of $100,000 \mathrm{~L}$ The largent piece found in the neighbourhood in now in the Britinh Muneum, and weighs four or five ouncea. An antimony mine, discoveroll at Gleudinuing in 1000 , was wrought for five yearn from 1793. The ore was a sulpharet which fielded about 50 per cent, and 100 tous of inctal wero ohtained The veln meldom excerded 20 inches in thickness, and contained hlenile, calcareous apar, and quartz Copper-ore and manganere have been met with $\ln$ small quantitics; the former in the garish of Middlehle. Ironstone exinta in some places in sphorvidal masen, and In beds and bogs, but no iron in workol from oren in tho county.

Gypoum ocourn in thin veina. Floetz-trap is found on the summit of some of the mountains, and generally in the ahape of mountaiu cups Boulders of granite and slenite aro found in various places, the latter most froqnently in tho low part of the county. The raricty of the grauwacke In the vicinity of Moffat is peculiar, and was long reganidenl as of igncous origin. It forms an excoullent huilding ntous. Sir $\Omega_{0}$ Murchinon discovered in it some interentling organie remains About a mile from Moffiat is a celebrated malneral water similar to the sulphureous water of Marrowgate, and about 5 miles distaut, in a deep rarine on the side of Hartfell, in a clalybente spring. Thero aro nlso mineral waters in tho ueighbourhood of Laugholm, Aman, and Lochmaben, and in other localition

Climate, Soil, and Agriculture.-Tlant part of the county which adjoins the Solway Frith is low and warm. The mountninous district is cold and bleak, hut scldom remaine long corcred with anow. The whole appears to he moist and in general mild and ealubrious. The spring Is generally late. The soil in the lower districts is light and gravelly, or saudy. Along the margius of the great rivers are considerahle tracts of rich allurial soll. I'eat-moss prevails on many of the hills, and in some of the vales: the most cxteusive moss being that of Loclan, near Dumfries, which is 11 or 12 miles lung, and hetween 2 and 3 miles hroad. Clay is found extensively an a subsoil, and in a fow places as a soil mixed with other substances. In Annandale and Nithedale dry soil prevails. Farms of arahlo dnad are gencrally let on lanses of 15,19 , or 21 years. On sheep-farmus the ordinary leases nre from 9 to 13 jears. Oats and protatoes are cultirated more oxtensively than any other crop, both for home consumption aud for exportation. Potatocs are much used in fattening cattle and pigs. A great quantity of hsms and bacon of the bert quality is cured in this county, aud seut to Liverpool, London, aud New castle.
The farm implements in use aro similar to those in Cumberland, with the cxception of the sickle, the use of which is iu some places much laid aside, and the scythe substituted for it The horsen in general are of a middle size, and are the result of many crossings of different breods. The quality of the cattle and sheep stocks has been much improved. The Galloway hreed of catle mostly prevails, except for the dairy, for which cows of the Ayrshire breed aro preferred. The sheep are of the Cheviot and hlack-faced breeds: these have heen crossad by the Leicestcre, and the offspriug anewers exceedingly well, and makes profitablo returus to tho farmer. lige aro kept hy the farmers and cottars in great numbers. Sheep-ferins vary in size from 300 to 3000 acres, and two sheep for throc acres may bo considered an averagc number of stock. Arahle farms extend from 50 to 600 acres; many aro about 100 or 150 acres. Some farms coutain both shecp-walk aud arable lande, and these are considered the most convenient and productivc. Arable farms, aud those of small size, prevail on the low grounds and uear the market-towne and villages. Those of larger extent, where pasture grently prepouderates are more distant, and situated on higher grouud

Most of the modern farm buildings are commodious and well arranged; they are constructed of stone and lime, and generalls covered with slate. Great improvements have beeu also made in the churches, schools, roads, and fences. There aro three district farming societics, to the premiums awarded by which the Highland Society of Scotland usually contrihutes.
Divisions, dic.-Dunfriesshire is within the ceclesiastical jurisdiction of the synol of Dumfries, which extends also over parts of some other counties, and comprehonds 55 parishes, forming fivo preshyteries: Dunirioa, Lochuabeu, Amman, l'eupout, and Laugholm. The uumber of clergymen within its limits is 55, and of these 43 are in this counts, in the 13 parishes iuto which it is divided; aud scven elergymen, in councction with the Fstahlishment, officiate in clanpels of case. There are besides about 10 chapels for liree Church and United Preshyterians, Independents, and other Dissenters. Prior to the year 1756 , there were three jurisdictions in the county, namcly, the shcrifflhip of Nithsdale, the stowartry of Anuandale, and the regality of Eakdale, each corapreliending the portion of territory which forms the basius of the thrce rivers after whicla they aro respectively named; Eak ou the cast, Nith on the wesit, and Annan in the centre of the countr. Thero is ulaw one sheriff for the county, though the districts still preserve their ancient names.

Within this county are four rogal harglis, Axsas, Domfrass, Locusanes, and Sasquinar, which are dencribed uuder their respective names. The other moro.iuphortant towus of the shiro aro Langholin, Lockerbie, and Moffat.
Langhodm, population 1406, in a burgh of banouy and market-town, 29 milew E.N.E. from Dumfrics, well luilt aud situated in the midst of picturesque woodland and mountain soencrs ou the left bank of the Esk. It cousists chlefly of one street, in which is a town-lall and jail in the market-place. On the opposite side of the river in the modern village of New Langholm. Wearing and stocking-makiug are the priucipal occupations, Besides the parish church there are a Free church, two clapels for United Proshyterians, two NEndowed schools, aud a eavings bank. A warket is held weckly on Werlnesday. There are two woollen maunfactories. Mr. Telford, the civil engincer, who was a native of liskdale, and was apprenticed at the age of 14 to a stouemanon in Langliolm, loft 1000 to the Langholm lihrary. On
an cminence near the town is a monument to the late Sir John Malcolm, who was also a native of Eskdale. In the vicinity are Laugholm Lodge, a seat of the Duke of Buccleuch, and Broomholm, the property of Mr. Maxisell.

Lockerbie, population 1569, is a ucat and well-built market-town in the parish of Dryfesdale, situatel between the rivers Annan and Milk, 12 miles E. from Dumfries. The parish church, the Free church, a chapel for United Presbyterians, two libraries, a public reading-room, the parochial school, and some other schools are in the town. Thursday is the market-day. The town has beon long celebrated for its lamb and wool markets. The winter weekly markets are principally for pork. In the parish are the remains of eight Troman and British encampments. Armour and weapons have been found in the parish; and of the great Roman road from England which traversed this county and Ayrshire, there are distinct traces.
Moffat, populatiou 1491, iu the parish of Moffat, is situated near the river Annau, 20 miles N. by E, from Dumfries. It is protected on the north-east by a noble screen of lofty mountains. Moffat is much resorted to for its mineral springs. Here are baths, assemblyroums, a Parish church, a Free church, a chapel for United Presbyterians, and subscription and circulating libraries. A weekly market is held on Fridsy. In the vicinity are the old caves at Newton, Earl Ran lolph's tower, Craigie Wood, Bellcraig Rock and Linn, and the well-known fall called the Gray Mare's Trail. Since the opening of the Caledonian railway, visiters to Moffat have increased, and the town is being proportionately enlarged.
The following villages may also be mentioned:-
Dunscore, about 9 miles N.W. from Dumfries: population of the parish $15 \%$. In the parish are the remains of a circular encampment, and the ruina of the old towers of Lag, of Bogrie, and Sundaywell. Durisdeer, population of the parish 1795, only claims notice as contaiuing the magnificent residcnce of the Duke of Buccleuch, Drumlanrig Castle, surrounded by a very beautiful demesne. Ecclefechan, population of the parish of Hoddam 1707, a neat village on the Glasgow and London road, at which a market is held every month on a Friday, and a pork market weekly during winter. There is here a large and beautiful bridge over tho Annan. Ths Caledonian railway has a station here. The manufacture of ginghams is the principal employmeut of the inhabitants. The parish church is a mile from the village, where there are a Free church and a chapel for United Presbyterians. Graitney, or Gretna Green, population of the parish 1830, formerly a burgh of barony, now a small village, long celebrated for tho clandestine marriages of fugitive lovers, is situated about 8 miles N . from Carlisle, within a mile of the English border; ou which border also is Solway Moss, remarkable for a battle in the time of Henry VIII. Minnihive, a village in Gleucairn parish, about 15 miles N.W. from Damfiges. The houses are nent aud substantial; but there is ncither trade nor manufacture. The parish, which in 1851 contained 1980 inluabitants, has a Free church, a chapel for Unitod Preabyterians, three parochial sohools, and three subscription libraries. In the villago is a stone cross, dated 1638.

History, Antiquities, dec.-The Selgova were the most ancient inhabitants of this county. In the time of the Romans, Dumfriesshirc formed a part of the province of Valentia. [Britannia.] In the 8 th century it was under the dominion of the Picts, who dismembered Galloway and Dumfriesshire from the Northumbrisn monarchy. Until the reign of James IV. this county was much haraseed by the fouds of rival chieftains, and from its proximity to the borders it was also liable to the incursions of the English and to frequent predatory warfare. At a later period the contraband trade with the Isle of Man prevailed to a great extent, and the borders were for a considerable time infested with daring bands of smugglers. Iu the rebellions of 1715 and 1745 , but particularly in the latter, the country districts endured various outrages, and the county town suataiued great damage.

The remains of what are called Druidical temples exist in the parinhes of Holswood, Gretna, Eskdalemuir, and Wamphray. Near Moffat are vestiges of a British encampment ; and in Eskdalemuir parish of two stone circles. Two Roman roads passed through the county. Several fortifications, both circular and square, and some large lRoman encampracnts, can be distinctly traced in various parts. There are ming of many old towers, vestiges of forts, and a great number of cairns in different places. At Dryfesdale is a very entire Britinh fort, and at Burnswark-hill, near Ecelefechan, are very distinct remains of Roman cncampments. There are also many monts or artificial mounts : of these Rockhall moat, mear Lochmaben, is one of the largent and finest. Among the antiquities, the crose of Markland, which is an octagon of solid stone, and a very curious aucient obelisk, supposed to bo of Anglo-Saxon origin, found in tho churchyard of Ruthwell, are deserving of notice. The obelisk is ornamented with figures in relievo doscriptive of sacred history, and inscribed partly with Runic and partly with Roman characters. The ancient buildings moat wortby of notice are Caerlaverock Castle, on the coast of the Solway Frith: Torthorwald Castle, said to have been erected 800 years ago, and of which tho walls are still standing: Closeburn Castle, also of great antiquity, but still occupied as a residence: Morton Castle, one of the finest ruins in this part of the country and
most romantically situated; and Sanquhar Castle. The ruins of Langholm Castle, formerly a square tower belongiug to the Armstrongs, aro situated near the town of Langholm. In the same locality arc traces of the fosse aud outworks of Wauchopo Castle. Other remains exist in different parts of the county.

Industry, dec.-Agriculture and the rearing of cattle and sheep are almost the only occupations of the rural inhabitants of Dumfriesshire. Trade in coals, timber, \&c., is coufined to the towns and a few of the villages on the coast, from which also aro exported the staple productions of the county. [Annan; Dumpries.] In 1851 there was one savings bank in the counts, at Thoruhill; the amount owing to depositors on November 20th 1851 was $8653 l$. $3 s .6 \mathrm{~d}$.

DUN-LE-ROI. [Cher.]
DUNA (DA-UGAVA; ZAPADULA), a considerable riverin Western Russia, rises from several springs not far from the source of the Volga, which flow out of marshy ground in the neighbourhood of the Volkonsky forest, near the south-western confines of tho government of Tver. It wiuds in a west-south-westcrly direction, nearly parallel with the Dnieper, until it has passed Vitebsk, having become navigable for flat-bottomed craft at Valisch or Velige, above Vitebsk. Thence it turns to the north-west, and near Dinaburg fows almost due north for several miles, and then resumes its west-north-west course to Dünamünde, where it falls into the Gulf of Riga, or Gulf of Livonia, in $57^{\circ} \mathrm{N}$ : lat. From the town of Disna in $55^{\circ} 27^{\prime} \mathrm{N}$. lat., $28^{\circ} 3^{\prime}$ E. long., where the river a little below its junction with the river Disna begins to take a north-westerly course, it separates the governments of Vitebsk and Livonia, which lie on its right bank, from those of Minsk and Kourland, which lie on the left bank. The entire courae of the Düna, inclusive of its windings, is about 655 miles; its length, in a straight line from the source to the mouth, is about 325 miles. The fall of its waters is in the upper part of its course 1 foot in every 2000 fathoms ; and in its passage through the lower part, where the land is more level, 6 inches in every 2000 fathoms, its average fall boing 6 inches iu every 4 versts (about $2 \frac{3}{3}$ miles). The navigable portion of the Düna, namely, from Velige to Dünamuinde, is about 405 miles in length; but the navigation, owing to the variableness of its depth (which ranges from 2 to 4 fathoms), to its shallows, and to a stratum of rock which ruus across its bed just above Riga, and the sandbanks at its mouth (on which there is a depth varying from 12 to 15 feet), is extremely difficult and even dangerous for vessels of any size, except during the floods of spring and autumn. Its course above Riga indeed is not ordinarily practicable for any but the flatbottomed craft called Struseu. At Riga its breadth is about 2400 feet. In the spring the surface is covered with rafts, $\log s$, and planks, which are floated down from the forests of the provinces whioh it passes through. It contains several islands and abounds in fish. The tributaries of the Düna greatly augment its waters, though they are not of auy great length : the chief of these are the Toroptsa, which is navigable from Toropecz to its mouth, a distance of about 60 miles; the Ulla, which flows out of lake Beloye, and is uavigable for about 56 miles; the Kasplia, which is navigable from Poritsch, about 110 miles from its mouth ; the Ewst, Meshna, and Disna, the last of which rises in the government of Vilna; and the Bolder-Aa, which flows past Mittau, then skirts the southern shore of the Gulf of Riga, and ultimately falls into the Düna just above its mouth. The Narofna, which joins the Düna on its right bank, can be regarded only as an outlet for lake Peipus, and is from 37 to 42 miles in length. 'The river is connected by canals with Lake Ilmen, the Bereaina, and the Niemen. The basin of the Düna comprehends an area of about 28,350 square miles. By tho Beresinski Canal, which unites the Ulla with the Sergatcha, the Düna is connected with the Dnieper, and the Baltic with tho Black Sea.

DUNABURG, the chief town of a circle in the north-western part of the government of Vitebsk in Western Russia, was formerly the capital of Polish Livonia. It stands on the right bank of the Düna, and on both sides of the Shunitzee which flows into it, iu $55^{\circ} 53^{\prime}$ N. lat., $26^{\circ} 24^{\prime}$ E. long., and has 6300 inhabitants. It was founded in 1277 by the Knights of the Sword, and while attached to the Poliah crown was the residence of a bishop, voyvode, and castcllan. At the present day it has become of great military importance from the strength which has been given to its fortifications. Dünaburg contains a Greek and two Rotana Catholic churches, a synagogue, and a collcge which formerly belonged to the Jesuits. It has three fairs in the coursc of the jear, and oarries on considerable trade.

DUNBAR, Haddingtonshire, Scotland, a royal burgh, market-town, and sea-port, is situated at the mouth of the Frith of Forth, ou the north-eastern coast of the county, in $56^{\circ} 0^{\prime} \mathrm{N}$. lat., $2^{\circ} 30^{\prime} \mathrm{W}$. long. ; distant 29 miles E. from Edinburgh. The population of the parliamentary borough in 1851 was 3038 . It is governed by a provost, 3 bailics, a treasurer, and 15 councillors; and unites with Haddington, North Berwick, Jedburgh, and Lauder in returning one member to the Imperial Parliament.

Dunbar is a very fiue old town; the principal street aud the smaller streets leading from it are broad and well paved. The town is lighted with gas ; it is well drained naturally, and is clean and healthy. Tho parish church is a handsome gothio building with a stately tower. It contains a fine marble monument to the Earl of Dunbar, High

Treanurer of Scotland to James Vil. There aro two chapela for Unlted I'reabyterians, one for the Free Chureh, and one for Melundinfs. There are two cominodious Furgh schools and two Parochial seliools, a mechanica institntiou and libuary, misd a fubecription library. The curing of herringa is carried on to a lasce extent, many fikhormen from the neighbourbood resorting to Dumber with the produce of their Industry. The North Britlnh railway has a station at Nunbar. Tbe harbour has been mueh eularged. $\AA$ weekly corn-warket and several anual friss aro held.
The principal object of antiquarian intereat Is the ruined castlo of Dunber, whicb stands upon high rocks at the entrance of the harbour. The town-house is also an old building. Dunbar was made a royal hurgb by Darid 11., and tbe placo hos been the scene of many interratiug events in Scottish hlatory. The aiege and heroic defence of the castle by Black Apuen, countese of Dunkar, is one of the most remarkable incidents of the Scottiah wars.
(Wewe Statistical Account of Scolland: Miller, Mistory of Dunlar, 1830; Wynton, Chromicle; Tytler, IIisiory of Scolland; Communica. fion from Dumber.)
DUNBLANF: [PERTHSMRE.]
DUXDALK, the capital of the county of Loutl, Ireland, a municipal and parliamentary borough, an assize, market, and sea-port town, and the seat of a Poor-Law Union, in the parish of Dundalk, is beautifully situated at the mouth of the river Castletou, in $54^{\circ} 1^{\prime} \mathrm{N}$. lath, $6^{\circ} 24^{\prime} \mathrm{IV}$. long., distaut 50 miles $N \mathbb{N}$. by W . from Dublin. The popu lation of the borougb in 1851 was 9995 . The borougb is governed by a bailif and 16 bnrgesses, and returns one member to the Imperisl Parliameut. Tbe lighting and watehing of the town are managed by commissioners. Dundalk Poor-Jaw Union comprises 19 electoral divisions, with an area of 104,359 acres, and a population in 1851 of 53,550.

Dundalk was the sceno of many battles before tho final subjection of Ireland. For a short time it was the residence of Edward Bruce, wbo, after his conquest of this town, was crowned here, and held his court until the fatal battle in which he lost bis life. T'be strects of Dundalk are long and spacious, and contain some good shops and houses ; but a large part of the town is exceedingly poor and wretched. The parish church is a large and ancient edifice. There are places of wormip for Roman Catholics, Presbyterians, and Wesleyan Methodists; three Eindewed schools, an infirmary, a court-house, a jail, a market house, $n$ new county prison, and a anvings bank. The town is paved and lighted. Tobacco, soap, leather, and pins are manufactured. Timber, coal, iron, and slate, witb cattle, grain, butter, and eggs, whlch form the chief trade, are exported by steam-vessels, whicb ply regularly between this port and Liverpool. Tbe port and harbour have been recently improved at a considerable expense. A lighthouse, on the screw-pile principle, was erected in 1849. There were on the 31st of December, 1852, registered as belougitt to Dundalk 23 veasels with an aggregnto tonnage of 1871, and 2 steamers with an aggregate tonnage of \$44. The number and tonuage of vessels enteren and cleared at the port during 1852 were:-Inwards, wailing-vessels 519, tonnsge 35,028 ; steam-vessels 100 , tounage 47,782 : outwards, sailing. veracls 224, tonnage 17.074 ; steann-vewsels 105 , tonnage 40,235 . loishing in carried on to a small extent. The assizes are held here, also quarter and petty sessious. The market is ou Monday ; fsirs are held on the lith of May and the third Wedneadny of ercry otber month in the year.

## (Fraser, Ilandbook of Ircland; Thom, Irish Almanac.)

DUNDAS. [CaNama.]
DUNDEF, Forfarehire, Scotland, a royal and parliamentary burgh, market-town, and sea-port, is aituated on the left bank of the catiary of tbe river Tay, in $\overline{56^{\circ}} 27^{\prime} \mathrm{N}$. lat., $2^{\circ} \boxed{8^{\prime}} \mathrm{W}$. long., distant 42 miles N.N.F from Falinbnrgb by road, and 17 miles by the Edinburgh, Pertb, and Dundee railway. The populstion of the burgh ln 1851 was 78,981 . The town is governed by a provost, 4 bailies, and 16 councillore, and returns one member to the Imperial Parlinment.

Dundee is a plece of considerable antiquity. From a fishing-village It became a fortress with walls, gater, and cratle, and was the residence of neversl klage of Scotland. It was made a royal burgh by William 1. In 1164. The Cowgate port or gate is the only trace of the anclent fortifications In the various civil wars which desolated Scotland, Dundee suffered severoly. In 1651, when it was sacked and burned, It was one of the richest towns In Scotland. It is built on ground whleb rises gradually from the edge of the river or genturry, the mummitt behind the town reaching a heigbt of 500 feet. The town is also protected on the east side, and froun the proslmity of the great North Sea the temperature le conalderably modified, and preserven a nearly unlform renge throughout the different season. The town is ratber irregularly bullt. like the generality of old towns in Scotland, it originally consinted of one long ntrect, and was the residence for part of the year of prople of rauk. The older itreets are narrow, and the houses in them are packed together. From the market-place, or $\$$ ligh. atrect, the other leading atreetn run nearly parallel with the river. In the lligh-atreet are the town-hall, a plain edifice with a miceple, and piazzas below, and the exchnnge and reading-room, a Grecian structure. In the Netbergate stand the old gothle tower or steeple of Dundee (IEB feet high) and the three contiguots churches of the Vatallishment. Tbe old cathedral of Dundee, crected, it is said, by

David, earl of lluutingion, in 1185 , toonl on the site of the new clurches, and contained four places of wombip. The public seminarien occupy an elegant building in the Grecian style, recebtly erected. ln Doek-ntreet aro the cusbom-bonse and a triumplial areh erected to commemorate the firat landing of Queen Victoria at Dundec. Several handsone street bave been opeued within the last few yearm, and grent improvements lanre been otherwise effected in the appearance of the town. Including the churehes already noticed, tbere are 8 churehes of the Fstablishment in Dundee, 11 of the Free Chureh, 6 belonging to United Presbyterinas, 8 to lurlepeudeuta, an E:pimcopal clapel, in which thp bishop of Brechin officiates, a Roman Catholic chapel, sud chapels belonging to some of the smaller bodies of Diasenters. Tho Infirmary, catablished in 1795, the Lunatic Asylun, the Ragged and Industrial school, the Orpban institution, a anvings bank, and an association for providing lodyings for the working elases, are among the benevolent institutions of the town. Au extensire new building for the Infirmary, occupying three sides of a square, is in the Tudor style. Dundeo is lighted with gas; a plentiful supply of water is brought from Nonikie, about 15 miles distantu
The coummerce of Dundee luss raried considerably in its claracteristic features. About 60 years ago 7000l. worth of shoes were nunually exported. This trade is now extinch At one time the cotton manu. facture was carried on, and was succeeded by the woollen; but the permanently prosperous trade of the town has been that arising from tbe linen manufacture, of which it is now the chief scat. In 1745 there were imported into Dundee 74 tons of flax; in 1815 the quantity of flax and hemp imported was about 3000 tons: the annual imports amount at present to upwards of 35,000 tons of flsa and hemp, and 18,000 tons of jute. In 1745 the exports of manufnctured liuen amounted to 10,000 pieces; in 1822 there wero exported 263,403 pieces; it is calculated that the exports are now upwards of a millinn pieces, each picce containing on all arerage about 120 yards. The manufacture comprises Osnaburgs, sheetings, canrass, and other coarse descriptions of linen cloth. The amual value of the linen manufacture is estimated at between three and four millions sterling. About 40 flax-spinning steam-power mills are in the town and vicinity.

A short distance above tbe town the river Tay widens into a large acstuary or frith, which has much tbe appearance of an iuland lake. Dundee bas consequently been for a long period an important maritime port. On December 31st, 1852, there were registered as belonging to the port, 36 ssiling-vessels under 50 tons, tonuage 1179 , aud 297 abore 50 tons, tonnage 56,418 ; with one steam.reasel of 36 tons, and 8 steam-vessels of 1660 tons. During 1852 there entered the port in the coasting trade:-Sailing-vessels 1479, tonnage 123,584; ateanveasels 148, tonnage 28,704: and there cleared:-Sailing-vessels 401, tonnage 37,977 ; and stcam-vessels 150, tounage 25,191. In the colo. nial and forcign trade there cutered 411 reasela, tonnage 63,249, and cleared 2 '8 vessels, tounage 44,806 . Liarl Grey's Dock, King William's Dock, and Victoria Dock sfford ample accommodation for the shipping of the port. Facilities alike for building and repairing ships exint. Therenre several large establisbments for tbemanufecture of inachinery. Since 1815 the harbour trustees bave effected great improveinents in the harbour. The Frith of Thy is two miles in width opposite the town ; there are many dangerous sandbanks in the restuary, bnt they are aroided by means of excellent charts of the soundings, two lighthouses, and sereral beacons.
(New Stalistical Account of Scolland; Communication from Dundec.)
DUNFANAGllY, county of Donegal, Ireland, a market-town and the seat of a Poor-Law Union, in tbo pariah of Clondelocky and barony of kilmscroensn, is siturted in $55^{\circ} 13^{\prime} \mathrm{N}$. lat., $7^{\circ} 58^{\circ} \mathrm{N}$. long. distant 150 miles N.W. by N. from Dublin. The population in 1851 was 751, inclusivo of 162 in the Union workhouse. Dunfanaghy PoorLaw Uuion comprises 10 electoral divisiong, with an area of 125,666 acres, and a population in 1851 of 17,392.

The town is situated at tbe mouth of Dunfanagby Harbour, which forms part of the Sheepliaven, close to the penimeula of Horn Head, and is surrounded by bold and rocky scencry of great beanty and grandeur. There is here a small fishery. The entrance to the lin-bour is very dangerous at low water from a bar acrose its inouth, but the harbour ikself is perfectly secure. Large quantities of corn are exported froms the quay. A market is beld weekly, and falrs are beld in June, August, October, and November.
(Fraser, IIandbook of Ireland; Thoin, Irish Almanac.)
UUNF\&RMLINE, Fifeshire, Scotland, a royal burgh aud markettown, is situated $\ln 50^{\circ} 5^{\prime} \mathrm{N}$. lat., $3^{\circ} 27^{\prime} \mathrm{W}$. long., alueut $2 \oint$ iniles N. by lis from the restuary at Charlestown aud at Linekilus, two smal! ports in the parish, and 16 miles N.W. from lidinburgl. The population of the royal burgh $\ln 1851$ was 8577 ; that of the parliamentary burgh was 13,830. The affairs of the town are managed by a provost, 1 bailies, and $1 \%$ councillors. Conjolntly wlth Culross, Inverkeithing, Soutb Queenferry, and stirling, the bargb returns one meinber to the Imperisl Parlianent

Dunfermline is a neat and well-built town. The streets aro paved, and the towu is ligbted with gas. The finest building is the Now Abbey chureh, finished in 1821, and built in consequence of the decay of the old abbey or parisb church, which now forms a porch to tho new strueture. The Burgb Coumercial and the M'Lean schools, a poor-house, and a prison, are buildings of recent erection. Au cnormous
mecting-house, built for the celebrated minister Ralph Erskine, is a conspicuous object in approaching the town. In addition to the parish church and two chapels of ease there are three Free Church places of worship, three chapels for United Presbyterians, an Episcopal chapel, and several other places of worship. Several schools in the lourgh are partially endowed. There are in the town a public library, a mechanics library, a sarings bank, and some charitable foundations. A weekly corn-market is held on Tuesday.

The staple manufacture of Dunfermline is that of table linens. This trade originated upwards of a century ago in the making of ticks and checks. Dye-works and tanning and currying works employ some inhabitants of the hurgh. Several spinning factories, chiefly for making linen-yarn; rope-works, tile-works, and breweries, also afford employment. The Stirling and Dunfermline railway unites this town with Stirling, and hy junction with the Scottish Central railway it connects it with the west and south of Scotland. The same line communicates with the Edinburgh Perth and Dundee railway. Chartestown and Limekilns are two small ports in the parish principally for shipping its mineral productions.

Dunfermline is a place of great antiquity. It was the residence of King Malcolm Canmore, ths vestiges of whose comparatively rude castle atill exist on a small hill in a ravjne near the burgh. In a romantic situation in the neighbourhood are the few remains of the once royal palace, a building of great extent and grandeur, and a favourite residence of the kings of Scotland. Charles I. was born here, and Charles II. inhabited it temporarily in 1640 . It is said that besides Malcolm III. and his queen St. Margaret, their descendants till the days of Bruce, and some nohle collateral connections, are buried in Dunfermline Abbey. The tombstone of St. Margaret is still pointed out. By far ths most interesting tomb is that of Robert the Bruce, discovered in clearing away the ruins of the choir for the new church. Tho skeleton of the king was disinterred in 1818 and a cast taken of the crauium. The abbey of Dunfermlino was the most eminent in Scotland; it was very richly endowed, haviug the patronage of no less than 37 livings, with their tithes, and many properties throughout the kingdom, and was also possessed of peculiar and extensive feudal privileges. The fratery, or refectory, with its fine gothic windows, still indicates the grandeur of the original buildings.
Dunfermline was hurved hy both Edward I. and Richard II. David II. was born at Dunfermliuc. The Confession of Faith of 1581 was subscribed here by James VI. The town was made a royal burgh by this monarch, who frequently resided in the palace. In 1638,1643 , and 1650 the various solemn leagues and covenants were subseribed at Dunfermline; and in 1651 Cromwell's soldiers plundered the place, after defeating the king's troops in the battle of Fife.
(New Statistical Account of Scolland; Grose, Antiquities of Scolland; Tytler, IIistory of Scolland.)

DUNGANNON, county of Tyrone, Ireland, a parliamentary borough aud market-town, and the seat of a Poor-Law Union, is situated in $54^{\circ} 32^{\prime}$ N. lat., $6^{\circ} 47^{\prime} \mathrm{W}$. long.; distant 85 miles N.N.W. from Dublin, and 20 miles N.W. by W. from Omagh. The population in 1851 was 3835. Dungannon returns oue member to the Imperial Parliament. Dungannon Poor-Law Union comprises 19 electoral divisions, with an area of 102,440 acres, and a population in 1851 of 54,220.

The town is beautifully situated on the slope of a hill, in the midst of a fertile district, and is sheltered on thic west by a lofty and extensive range of hills. The streets are well built, and the town is lighted with gas and paved. Dungannon wss formerly the site of a very ancient castle, which was destroycd by the Parliamentary forces in 1611. A small Franciscan monastery was erected here in the reign of Henry VII. Besides the parish church there are a Roman Catholic, a Presbyterian, and two Wesleyan Methodist chapels, an Eudowed school, a school supported by the Farl and Countess of Ranfurley, a savings bank, and a fever hospital. Among the public buildings are a courthonse, a district hridewell, and a market-house. The principal manufactures are of linen and cosrse enrthenware; there is some trado in grain, flour, fax, and coal. The market is held on Thursday, a corn-market on Monday and Thursday, and a fair is held on the first Tharaday of every month.
(Fraser, IIandlook of Ireland; Thom, Irish Almanac.)
DUNGARVAN, county of Waterford, Ireland, a parlianentary borough, a market and sea-port town, and the seat of a Poor-Law Union, is situated in $52^{\circ} 5^{\prime} \mathrm{N}$. lat., $7^{\circ} 37^{\prime} \mathrm{W}$. long. ; distant 24 miles S.W. by W. from Waterford, and 123 miles S.S.W. from Dublin. The population in 1851 was 6849 . Tho borough returus one member to the Impcrial Parliament. Dungarvan Poor-Law Union comprises 18 clectoral divisions, with an arca of 94,046 acres, and a population in 1851 of 31,207 .

The castle of Dungarvan, which stands in the centre of the town, was huilt by King Joln : it is now used for military purposes. The town is situated on tho Bay of Dungarvan, ou the poiut of land formed hy the union of the rivers Brisky and Calligan, which here fall intco the sea. A new strect and a handsome square were a few years back built by the Duko of Devonshirc, who also erccted a bridge across the river Calligan, consisting of a single arch 75 feet in spau. The church, which is modern, is situated on tho shore. A lioman Catholic chapel has heen erected on tho site of au old monastery, Groa. DIV. votu II.
some remains of which still exist. There are also a second Roman Catholic chapel, a convent, a sessions-house, a school-house, a district bridewell, a market-house, a fever hospital, a union workhouse, and the old castle, which is used as a barracks. The town is mainly supported hy the summer visiters, and by the herring and haks fisheries. There is some trade in exporting corn and butter and other farm produce. A market is held on Saturday: fairs ars held in February, June, August, and November, as well as on the second Weducsday in every month.
(Fraser, Handbook of Jreland; Thom, Irish Almanac.)
DUNGIVEN. [LONDONDERRY.]
DUNKELD. [PERTHSAIRE.]
DUNKERQUE (Duyn Kerche, Dunkiok), a sea-port aud fortified town in France, capital of the third arrondissement in the department of Nord, stands on the eastern shore of the Strait of Dover, at the junction of the canals of Bergues, Bourbourg, and Furnes, in $51^{\circ} 2^{\prime} 11^{\prime \prime} \mathrm{N}$. lat., $2^{\circ} 22^{\prime} 46^{\prime \prime} \mathrm{E}$. long., 174 miles in a straight line N. hy E. from Paris, 50 miles by railway through Hazebrouck N. N.W. from Lille, and has 26,886 inhabitants in the commune. It is said to owe its origin to a chapel founded here by St. Eloi, which from its situation among the sandy downs of the coast got the uans of Duyn Kerche, which in Flemish means 'the church of the downs.' Iu the 10th century it was raised by Baudouin III., couut of Flanders, from a mere village to the rank of a town. Charles V., to whom the town had come by inheritance along with the rest of Flanders, built a castlo to defend the port, which has since been demolished. Iu 1558 the English, who had rendersd themselves masters of the town, were driven from it by the French; and in the following year it was given up to the Spaniards. In 1646 it was taken from the Spaniards by the French under the Duke of Enghien (afterwards the Great Condé); but it fell again shortly afterwards into the hands of the Spaniards. In 1658 Tureune, having defeated the Spaniards, took Dunkerque, which, according to a treaty previously concluded with Cromwell, was put into ths hands of the English : four years afterwards Charles II. restored it to France on condition of receiving for it a considerable sum of money. Louis XIV. by the fortifications he erected enabled the town to repel 8n sttempt made by the English to boinbard it in 1695. By the peace of Utrecht ths fortifications were razed and tho port filled up. At the peace of Aix-la.Chapelle the port and fortifications, which had heen partially restored in the previous war, wero again demolished; but by the peace of 1783 they were allowed to bo restored. In 1793 the town was hesieged by the allics under the Duke of York; hut the French obliged the besiegers to retire with great loss.
Dunkerque is nearly three milcs in circuit. The streets are broad and well paved; the houses arc well built of brick. The public squares ars spacious, handsome, and regular. The principal of theso are the Champ-de-Mars and the Place Jean Bart, which is planted with trees and ornameuted with a statue of Jean Bart, a distinguished French naval hero and a native of Dunkerque. The fortificatious consist of the ramparts, which are surrounded by ditches, of Fort Louis, aud the citadel. The principal buildings are-the church of St.-Eloi, which though a gothic structure has a handsoms Corinthian portico; the detached belfry in front of this church; the town-hall; the barracks and naval storshouses; the tower of the port, on which there is a lighthouse; the college, theatre, and concert rooms. T'he only supply of water is from cisterns. The market is abundantly supplied with poultry, vegetables, and other kinds of provisions. The immediate ncighbourhood is dreary and uninteresting.
The inhabitants are engaged in the manufacture of soap, starch, hcer, beet-root sugar, cordage, and leather: there are metal foundries, gin distilleries, salt-works, and ship-building yards. As this port serves as the outlet for tho great manufacturing department of Nord the trade by sea is very considerable. The harbour, which is chiefly artificial, is rather shallow and of difficult entrance ; but the roadstead is large and safe. The cod and herring fisheries are prosecuted with great activity; and the town has a considerabls trade in Bordeaux wines aud brandies, which has greatly increased since Dunkerque was made a free port in 1826.

Dunkerque has tribunals of first instance snd of commorce, a chamber of commerce, a custom-house, a public librsry of 18,000 volumes, an exchange, a college, a school of navigation, and two hospitals. Foreigu consuls reside at Dunkerque. The town is conuected by railways with all the great commercial centres of Franco and Belgium.

DUNLAVIN. [WICKLow.]
DUNLEER. [Loctir.]
DUNMANWAY, Cork, Ireland, a market-town and the seat of a Poor-Law Union, is heautifully situated on the wiver Bandon near its head, in $51^{\circ} 43^{\prime}$ N. lat., $9^{\circ} 5^{\prime}$ W. long., distant 33 miles W.S.W. from Cork, 190 miles S.W. from Dublin. The population in 1851 was 2222. Dunmanway Poor-Law Union comprises 15 electoral divisions, with an area of 103,917 acres, and a populatiou iu 1851 of $20,517$.

The town is situated on level ground almost entirely surrounded by lofty aud rugged hills. The grenter part of the towu was built by Sir lichard Fox, who also obtained for it a charter as a market-town. Thero are two clurehes for Episcopalians, a Roman Catholic and a Wesleyan Methodist chapel, and a district bridewell. A Charter

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tchool wae earlowal by Slr Riahanl Fox. Tho market is held weekly; fuim are liehl In May, Jnly, September, and October.
(Frweer, Ilandbool of Irdimd: Thom, Jrish Almanac.)
DUNMO1RE [Gazwar.]
DCNMORF, FAST. [iVATERTOED]
DUXMOW, frequeatly called GllliAT DUNMOW, Fseex, markcttown and tho meat of Poor Law Union, ls situaterl on an emlnenco on the right bank of tbe river Chelmer, is $51^{\circ} 42^{\prime} \mathrm{N}$. Ist., $0^{\circ} 21^{\prime}$ E Iong., distant 12 mile N.S.W. from Chelmaford, and 38 millen N.N.E. from lomion. The population of the parish of Great Nammow in 1551 we 3235 , including 435 inmates of the Unlon workhouse. The liring is a vicarago in the archdesconry of lissex and diocese of Rochester. Dunmow Poor-Law Union contains 25 pariahes, with an area of 22,291 acres, and a population in 1851 of 20,048.
The town conelate chioly of two strects, which contain somo good housen. Tho streets aro woll lighted with gas and paved, and thero is a good cupply of water. Many Roman autiquitios havo been found in the vicinity. Tho parish ehurch, dedicated to the Virgin Jary, is a large ancient structure, and has a lofty embattlad tower. The Independents, Raptist, and Qunkers haro places of worship. There ano Ciational and British schools, sarings bank, almshouses, and several parochial chariticu. The market is held on Tnesday for corn and cattle; fair are beld on May 0th and Norcmber 6th. A county court is held.

## (Morant, Eesex : Wright, Eisex.)

DUSNING. [PERTHSHRE]
DUSOIS, a district of the former province of Orléanain in France, of which Cbateaudun was the capital. It is now comprehended in the departments of Eure-et-Loir, Loir-et-Cher, and Loiret. In the middlo syon this district was a couuty united with that of Blois, without giving to its owner any separate titlo; but about tho commencement of tho 14 th century Ilugues, count of Blois, added to his titlo that of count of Dunois. Guy, count of Blois and Dunois, sold his counties to Louis, duke of Orlénas (brother of Charles VI. of France), whose son Charles bestowed the connty of Dunois upon his natural brother Jenn, who took so eminent a part in the expulaion of the Fnglinh from France under the dosignation of the Battarl of Orleane, and through whom alone any historical interest attaches to the district

DUNOON, Argylouire, Scotland, a materiug.place gituntod on tho Frith of Clydo and cast cosst of the county, about 9 miles W. from Groenock, in $55^{\circ} 57^{\prime}$ N. Int, $4^{\circ} 56^{\prime}$ W. long. Tho population lu 1351 Was 2220. The old villago, which dated from the reign of Robert Bruce, has been supplanted by a uow and well-built little town, supplied with shops of every description, and surrounded by handsome houess and villas. Thore is an excellent pier for the accommodation of the nnmerous steamers which sail between Glasgow, Dunoon, Rotheany, and other watering-places on the Clyde. Iu addition to the pariah chnreh there are a Free church, a chapel for United Presbyteriana, and a handsome Episcopal chapcl.

Dunoon was formerly, and after the restoration of Episcopacy, continued for somo timo to be, the seat of the binhops of Lismore, now called of Argyle and the Isles. The foundations of the old cartlo aro still traceable.
(Nem Stasistical A ccemn' of Scotland.)
DUSSE [BERWICKBHRE]
DUNSIIAUGIILIN, county of Meath, Ircland, a market-town and the eat of a Poor-Law Union, is situated in $53^{\circ} 32^{\prime} \mathrm{N}$. lat., $6^{\circ} 33^{\prime}$ W. long., distart 18 miles N.W. from Dublin. The pojulation in 1851 whe 422 , beriden 653 iunates of the Union workhonse. Dunshaughlin I'oor-Law Union comprises 12 electoral divisions, with an area of 109,341 scres, and a populatiou in 1851 of 17,168 .

Dunshaghlin was formerly a place of considerable trade, but is now of littlo importauce. The church is sail to have beeu founded by St. Seachlan, nephew of St. Patrick, in the year 439. The Roman Catholice havo chapel ; and there aro a courthouse, tho Unlon workhouse, and a diapensary. A market is held weokly, and faiss are hold in May, July, October, and Noromber.
(Fraser, Jlandbool of Ireland: Thom, Iriah Almanac.)
DUSSTABLF\&, Berlforlahlre, a market-town in the parish of Dunstable and hupdrod of Manshond, is situntod at the inlersection of the ancient Ikenlold and Watlling ntreets, in 51 $63^{\prime} \mathrm{N}$. lat, $0^{\circ} 31^{\prime}$ W. longo, distant 21 miles S . ly W . from Bedford, 33 miles N.W. from London Iy rowd, and 471 zniles by the London and North. Western milway. The population of the town in 1851 wan 3589 . The living is a roctory in the archdeaconry of Bedforl and diocese of Ely.

Dunstable is aituated at tho nouthern extremity of the county, near the centre of the Dunmtable chalk downa. Ienry I. fouuded hore a priory of Black Cenons, on whom $\ln 1131$ he bentowed the town and all it privllege, the exerciuing of whlel gavo rieo to many quarrels betwean the prion and the inlinbitanta. In I290 the corpmo of Quceu Elennor rented at tho market-place, and a handnome crom was erected to commernorate the event, but it wan pulled down during the Commonwealth time an relie of popery. The town of Dunstable convista chiedy of one main mircet and another which crossem it. The housen ane in gepernd built of brick; some of thew aso rery old. The
parith church formed part of the priory buildinge ; the front of the alifice in chiefly Nomman, and of unusual richness. The interior is ricbly ornamonted: over the altar is a largo painting by Sir Jamas Thornhill. There aro chapel for Baptiste nnd Wealeyan Methodists, National and British schooln, a Freo school, a Charity malool, and sereral almshouses. Tho making of atraw-plait cmploye many fenales. Whiting is maufactured. During the wiuter monthe many larks of large size are caught on the neighbouring down, and sent to London for sale. The markohday is Wednenday. Fiars aro held ou Ash-Wiednoeday, May 22nd, Angust 12th, asd Novomber 12th.

DUNSTER1. [SoMersmbinire]
DUNWICII. [SEFroLK.]
DUHANCE (the auciont Dremtia), a river in the south of France, riess in Mout Gendrre. At Briançon it is joiued by the Guimane and the Claret, which flow from the ridge of the Alpe that separatos the department of Hation-Alpes from Savoy; and just after thoir juuction it receives the Servières, anothor stmall strcam. From Briaupou the Durance flows south-south-weat above 25 sniles to Embrun, reoaiving by the way the Gyronde and the Guil, and eeveral amall mountainstreams. The Ubayo, which panses Barcelonctto and recoives tho Ubayote, joins the Durance 10 miles below Erubrun. From the jnnetiou of tho Ubaye the Durance flows first south-west, then south, and then weat by north 195 miles, into the Rhono below Ayignou, receiving \& great number of tributaries, of which the principal are the Buoch (which joine it at Sisteron), the united streams of tho Bes and tho Bleone from Digne, the Asse, the Verdou from Castellanc, and the Calaron from Apt. The whole length of the river is about 180 miles No part of its course is navigable. Owing to the rapidity of its slopo it resembles a torrent moro than a river, and sweep down such an enormons quatity of saud and pebbles that its bed, exoept at a fow points where it is contracted by projocting rocks and mountains, proscnts a ralley deeply covered with beach, through the middle of which the restless stream hurries down to the Rhone. The Durance fills its bed only in time of floods, which are frequcut aud often disastrous, especially on the melting of the suows on the Alps in apring, and on the fall of heary rains in the mountains. In the lower part of its course the bed of the Durance is full of inlands Large quantitien of larch, pine, and fir-timber nre floated down tho rivor either in rafta or in single trees from tho Alpine forests to Arles, whenco they are forwarded to different ports along the Moditerranean. The Craponno Canal is fed from the Durance, and a portion of its waters is conducted by a magnificout aqueduct recently constructed to supply the city of Marseille. [Bovcuks-vU-Ruone.]

DURANGO. [Basque Provinces.]
DURANGO, a town in Mexico, capital of the atato of Durango, is situated near $24^{\circ} 28^{\prime} \mathrm{N}$. lat., $105^{\circ} \mathrm{W}$. long., in a wide plain, 6848 feet above the sea, and at no great distance from the Sicrre Madre, which rises to the west of tho town. Its population amonnts to 11 pwarls of 22,000 , and it carries on a considerable commerce in the agricultural produce of the country lying about it, and iu that of tho numerons and rich miucs partly situated in the Siorma Madre and partly cast of tho town. The town is regularly built, aud presente a very landsonse appearnace. Among the principal buildinga are the cathedral, sevoral churches and couveuth, a theatre, and a mint, in which a large number of gold and silver dollars aro coined. Iron-minos aro worked within a quarter of a league from the town. Woollen stuffs and leather are the chicf manufactures. Not far from Durango is the lreña, a tract more than 30 miles in length aud about 15 miles iu width, which is occupial by hille composed of basalt and covered with scoria; among thom is a crater of considerable dimensions. Tho departmeut of Durango is noticed under Mexican States.
DU11A'ZZO (the ancient Epidamnus and Dyrrachium) is a town on the const of Albauin, in $11^{\circ} 22^{\prime} \mathrm{N}$, lat., $10^{\circ} 27^{\prime} \mathrm{E}$. long., situated ou tho south coast of a peninsula which projects into tho Adriatic, and forms the south boundary of the Gulf of Drin. Epidanuus was a colony of Corcyra, but it afterwards changed its name to Dyrrachium. It fell under the Romans at the time of the conqueat of Jacedonia, and its harbour becamo the principsl means of coumunication betweon Italy and tho north parts of Greece, Mscedonis, and Thrace. The Romans embarking at Brundisium, which is nearly opposite, landerl at Dyrrachium, and thence by tho Via I'gnatia they reaclied Thessalonica, on the Egean Soa. Pompey defended Dyrmelinm with sucorss against Cesar lefore tho loattle of Iharealia. After the fall of the Iorcau cmpire Dyrrachium came auccessively into the hands of the Gothe, Bulgarians, and the Nornans from Sicily, who mnde it their stronghold in their wars with tho llyzatine omperora It afterwards fell into the hands of the Venctinnes, from whom it was taken by Sultan Bayazid, II. Durazzo lus a mafo harbour, which howover sdmits only ressels of inoderato drauglit; largor vessols must cust auchor moro than a mile from the whore. Its population is variously estimated at from 5000 to 10,000 . They carry on an netive import trade in Britlsh manufactures by wny of Trieste, and export the aurplus corn which growe sbundantly in tho acighborring plains, ansl tobacco to Itrly.

John, the elighth son of Charles 11. of Anjou, king of Naples, avirmed, with the consent of tho Byzautuse cmperor, the titlo of duko of Durazzo and lorl of Albania; and from lim sprung the Durazio branch of the Anjevine family, who roigoed over Naples and Hungary.

Charles III., king of Naples, was a grandson of John; he died in Hungary, and left two children, Ladislaus and Joanna, who reigned in succession at Naples, but both died without issue.


Coin of Dyrrachium.

## British Maseum. Actual size. Silver. Weight, 169 grains,

DÜREN, the Roman Marcodurum (whence its former name of Mark-Diiren), chicf town of the circle of Düren in the govemment of Aachen in the Prussian province of tho Rhine, is situated on the Roc̈r, 18 miles E. from Aix-la-Chapelle, in $50^{\circ} 46^{\prime} \mathrm{N} .1$ at., $6^{\circ} 32^{\prime} \mathrm{E}$. long., and has above 8000 inhahitants. It is a walled town, the seat of a mining board, aud possesses a Romau Catholic gymnasium or high school, three nunneries, five Catholic and two Protestant churehes, and a synagogue. Dúren has considerahle manufactures of fine and ordinary woollen cloths, screws, nails, iron and steol ware, paper, coarse buttons, soap, leather, oil, triukets, \&c. Several paper-mills, irou-fouudries, and other factories in the vicinity of the town are worked by water-power derived from the Roc̈r. It has an extensive trule in grain, a horse market, and three large fairs in the course of the $y$ ar. On this spot several cohorts of the Uhii, who had assumed the Itoman name of Agrippinenses, were surprised and cut to pioces hy Civilie, the Batavian leader, in A.D. 70. (Tacit. 'Hist.,' iv. 29.)
Charlemagne held assemblies here on his way to attack tho Saxons in A.D. 775 and 779. Charles V. took Düren hy assault and hurnt it in 1543. The French in 1704 made it the capital of tho department of the Roc̈r; it wras ceded to Prussia in 1814.

DURHAM, one of the northern counties of Englaud, lying hetroen $54^{\circ} 27^{\prime}$ and $55^{\circ} 1^{\prime} \mathrm{N}$. lat., $1^{\circ} 8^{\prime}$ and $2^{\circ} 20^{\prime} \mathrm{W}$. long., is hounded N. and N.W. by Northumberland, W. by Cumherland and Westmoreland, S. by Yorkshirc, and E. by the Gcrman Ocean. Its greatest length is from east to west, 48 miles; its greatest breadth, at right angles to the length, is 39 miles. Previous to 1844 there were three detached portions of tho county, namely: 1. Norhamshire and Islandshire (including Ioly Island and the Farne Islands). 2. Bedlington parish, sonetimcs called Bellingtonshirc. 3. The parish of Craike. In October, 1844 , hy the Act 7 \& 8 Vict. cap. 8, Norhamshire, Islandehiro, and Bedlingtonshire wero iucorporated with the county of Northumberland, and Craike parish with the North Riding of Yorkshire, in which it is locally situated. The area of Durham county is 973 square miles, or 622,476 statute acres: the population in 1851 was 390,997 .
Coast, Surface, IIydrography, dec.-The coast of the county of Durham is generally low. There are however several ranges of cliffs, which are of magnesian limestone, except at Seaton Bents, where they are formed hy rocks of the red marl or new red-sandstone formation.

Durham may he characterised as a hilly connty. The western part is overspread by tho branches of the great Penine chain, from the castern slope of which the chief rivers of the county flow. The two principal branches of this chain, which belong to Durham, are separated from each other hy Weardale (the valley of the Wear); from the Yorkshire Hills by Teesdale, or Teasdale (the valley of the Tees); and from those of Northumberland hy the valley in which the Derwent, a feeder of the Tyne, flows. Large portions of the mountain district cousist of moor-lands covered with heath, or, as it is here termed, 'ling.' The hills north of Weardale have the name of Weardale Forest, and those north of Teasdale are called Tcasdale Forest; hut they are bare of wood. The principal elevations in the county are Kilhope Law (2106 feet), Cross Ridge, Bolts Law, Baron Hope, Collier Law (1678 feet), and Fatherly Fell, in Weardale Forest; Pike Law, West Pike, Manner Gill Fells, and Eglestone Bank, in Teasdale Forest; Pontop Pike, on Lanchester Common, south-east of the ralley of the Derwent ( 1018 feet) ; and Brandon Mount ( 875 feet), south-west of the city of Durham. The moors arc chiefly occupied as pasturage for sheep of the black-faced kind, and for a few young cattle and horses. The hest wooded part of the county is the vale of Derwent, which produces oak, ash, elm, birch, and alder, and a quantity of underwood, especially hazel.

The chief rivers are the Tyne, the Wear, and the Tees, with their tributaries. The Tyne drains the northern parts, the Wear the middle, and the Tees the southern.

The Tyme [Nortiremberland] forms the uorthern boundary of the county for about 18 miles, from the junction of the Stanley Burn at Wylam to the sca, and its narigation extends from above Newcastle to the sea, a distance of ahout 15 miles. Its Durham aflluents are the Derwent and Team rivers and the Stanley and Hedworth burns. The Derwent riscs in Northumberland, and flowing east, reaches, ahout 3 miles from its source, the border of the county of Durham, along which it llows with a winding
course north-eastward for ahout 30 miles, flowing into the Tyne ahout 3 miles ahove Newcastle. For ahout 21 miles of its course it forms the boundary hetween the counties of Northumherland and Durham. The Team rises on the side of Pontop Pike, and flows first east hy north and then north hy west about 13 miles into the Tyne, about a mile ahove Newcastle. The Stanley Burn aud the Hedworth Buru are only 4 or 5 miles long.
The Wear rises near Kilhope Law, and flows east and south-east above 4 miles (in which part of its course it is known as the Kilhope Burn), to Bowertree or Burtree Ford. From Bowertree Ford the Wear flows east by south 18 miles through the wild and romantic district of Weardale, to the junction of the Bedburn River, passing the towns of Stanhope and Wolsingham, and receiving on the right bank the Irshope, Harthope, Dadree, Swinhope, Westenhope, Snowhope, and Bollihope hurns; and on the left bank the Middlehope, Rookhope, Stanhope, Shittlehope, Wescrow, Houslip, and Eals hurns, all of which are small. From the junction of the Bedburn, the Wear flows still east hy south 6 miles to Bishop Auckland, where it receives the Gaunless, then turus to the north-east, and flows in a very winding course about 36 or 37 miles past Durham and Chester-leStrect into the German Ocean at Sunderland. Below Durham the Wear receives the Stanley Burn, united with the Cock Burn on the left hank, and the Lumley Burn on the right hank, all at or near Chester-le-Street. The whole course of the Wear may he estiraated at about 65 miles, for ahout 18 or 20 miles of which, namely, up to the city of Durham, it is navigahle. It is crossed at Sunderland, near its mouth, hy an iron hridge of one arch, of 236 feet span and 100 feet above high water-mark. The importance of its navigation arises from the export of coals from the neighhouring mines.

The Tees rises in Cumherland, on the slope of Cross Fell (2901 feet high), and for the first few miles of its course forms the houndary between Cumberland and Westmorcland. It is joined by the Trout and Crook becks, and upon its junction with the Crook forms the boundary of the county of Durham, separating it for a very few miles from Westmoreland, and throughout the remainder of its course from Yorkshire. The general direction of the Tees till it reaches Sockburn, nearly 55 miles from its source, is east-south-east; thence it flows nearly 30 miles north-east into the German Ocean, its total course being hetwreen 80 and 90 miles. The valleys watered hy the affluents of the Tees ahove Barnard Castle open laterally into the valley of the Tees, and many of them are remarkable for picturesque scenery. A ridge of trap rocks across which the river flows at Caldron Snout, at the junction of the Maize or Marys beck, forms a series of falls in a distance of 596 yards which offer a fine contrast to the still water of The Wheel, a pool or lake into which the river expands just above. Some miles below these falls and three miles above the village of Middlcton in Teasdale, hasaltic rocks form the bank of the river. Below Barnard Castle the Tees receives on its right bank the Greta from Yorkshire, and on its left hank the Grand River, or Staindrop beck. From the neighbourhood of Darlington the channel winds very much. At Croft, near Darlington, it receives on the left the river Skerne, which, rising hetween Durham and Hartlepool, has a very winding course to the south-south-west, of more than 25 miles, receiving several streams hy the way, and passing the town of Darlington just hefore its junction with the Tees. Below the town of Stockton the Tees is joined by the Harthurn and Billingham hecks, and at Greatham Fleet, near its mouth, hy the Elmeldon heck united with auother from Grentham. The wide æstuary of the Tees is navigahle for colliers and other large veasels up to Stockton, and for small craft several miles higher up, above Yarm in Yorkshire : the navigation has heen shortened hy a cut, hy which a considerable bend in the river is avoided.

There are several small streams which flow into the sea hetween the Wear and the Tees. They are called Deans, as Ryhope Dean, Seaham Dean, Dalton Dean, Hawthorn Dean, Castle Eden Dean, and Haslcdon Dean.
The river navigation of Durham, comprehending only the lower waters of the Wear and of the hordcr rivers Tyne and Tees, is confined to the eastern side of the county. There are no canals or artificial cuts, except the one already noticed, which was made to shorten the winding course of the Tees.

The old mail-road to Edinburgh, Aberdeen, Inverness, and the north of Scotland crosses this county from south to north. It enters it at Croft bridge over the Tees, and passes through Darlington, Durham, Chester-le-Street, and Gateshead, where it quits the county, crossing the Tyne to Northumherland. Two other roads from London to Durham city hranch off from the Glasgow and Carlisle mail-road at Scotch Corner, in Yorkshire, and enter tho county hy Pierce hridge over the Tees. Here they divide, the right-hand road passing through the villages of Heighington and Eldon, and the left-hand road through Bishop Auckland. They reunite a few miles beyond Bishop Auckland and fall in with the Edinhurgh mail-road near Sunderland hridgo over the Wear, about 4 miles hefore reaching Durham. The road from London to Sunderland branches off from the Edinburgh mailroad at Thirsk in Yorkshire, and proceeds hy Yarm, upon leaving which town it crosses the Tees into the county of Durham, and proceeds forward to Stockton, and thence to Sundcrland. There are scveral other important roads in the county.

Durham lase numerous railwnys constructed hy the conl-owners for the conveyance of conls from the pits to the rivern Tyno and Wear, where they are shipled. The priwaipal pasmenger lines aro the lork Neweastle and Berwiek railway, and ito hranchea. The main line extern the county at Crof hridge, and pmases through it in a geoerally northern direction for abont 45 miles, forning part of the groat railway communication between Scotland and the Metropolim Its principal brauches in the couuty aro the Ilartlopool hounch, which unites flartepool with the main line, the Brandling janetion, which conuecta Sonth Shielde and Sunderland with the main lino, and the Darlam and Sunderland hranch. The Stockton and Darlington, Wear Valley and Redcar line runs aloug the south and moutheastern portion of the county, from Cold Rowley to Ilartlepool. The Stockton Iartiepool and Clarence railway pames from cast to wost through the centre of the county, and lite the other truuk lines has several branchos of greater or less length.

Geology, Mineralogy, dec- The lower part of the valley of the Toea, from the junction of tho Skerne, and tho const from tho moutb of the Toes to Hartlopuol aro occupied by tho ned marl or new rodsandstone, the uppermost of the formations which are found in the county. Among the strata of the formation a fine-grained saudntone of a hrickred colour predominates. Somo attempts have been made to find ooul by boring through the red marl, hut without success, though the pits were sunk to the depth of more than 700 feet. The newer magnesian or conglomerate limestone crops out from heueath the north-western limit of the red marl: it extends along tho coast to the menth of the Tyue, and along the valley of the Teos, to the junction of Staindrop beck with tho Tees, between Darlington and Larnard Castle: its inland boundary is a line drawn southward from the mouth of the Tyne, gruiually diverging from the coast-line to the village of Coxhoe, between Durham and Stockton; and thence southwest to the Teas. Along the coast the upper stratum of the limestone is a species of breccia, with which wide chasms or interruptions in the cliff are filled; the next strata are thin and slaty, of a white colour inclining to huff; hut lower down the stratifiention becomes indistinet, tho rock is of a crystalline and cellular texture, and of a light-hrown colour. Tbe tbicknees of the limestone formatiou varies. At Pallion, near Sunderland, it is only about 70 feet thick; near Hartlepool it han been bored to the depth of more than 300 feet without penetrating througla it. Along the const the strata dip to the south-east. Galena is the only ore that Mr. Winch observed in this limestone, and few organic remains.aro found in it. In this formation along the coast aro caverns and perforated rocks, which appear to have heen formed by the action of the sem.

Of the dykes of basalt or groenstone which intersect the coal. measures of the Northumberland and Durhan coal-fields, one crosses the Tyne into Durham couuty, near the Walker colliery, and anotber crosees the bed of the Wear at Butterhy, near Durham. In the south part of the couuty is a remarkahle hasaltic dyko, extending several milen from Cookfield to Bolann, where the coal-moasures dip henenth the newer magneainn linestoue: a dyke of similar kind and in just the same liue intersects the uew red-rsndstono or red marl, and crosses the bod of the Tees ucar Yarm into Yorkshire. In Mrr. Oreenough's 'Geological Map of E:ngland and Wales' tho Cockfield dyke and that which crowes the Teen are represented as parts of one vast dyke, oxtending from tho upper valley of the Tees near Eglestone, through the milletone grit and limestone shale (or, as it is laid down in Mr. Winch's map, the snountain limestone), the conl-measures, the newcr conglonerate or magnesian limestone, the red-sandstone, the lins, nud the inferior oolite, in all 65 miles in an east-south-east direction, to the Yorkshlre coast, hetween Scarhorough and Whitby. The conl in coutact with tho dyke in charred and reduced to cinder; and the sulphur in sublimed from tho pyrites near. Besides the fissures filled with hamalt, others of a different nature intersect tho coal field : these, if large, are also called dykes ; hut, if sanall, 'trouhles,' 'slips,' or 'hitches,' and hy geologists 'faults:' by theso 'faults' tho strata are thrown, that is, raisod on one side or depressed on the ether, many foet. Other irregularitics are observed in the coal-measures. Mineral aprings and chalybeate springs aro found in various parts of the coal-field.
The coal-Acld of Dnrham is bounded on tho west hy the district occupied hy the inillstone grit. This district extends westward up the ralley of the Tees to figlestone, and is bounded by a line drawn thenoe northwand to Bellihope bock, slong that stream to tho Wear above Wollughem, and thence north-west to the Derwent at Blanchland. The avillatone grit extends northward into Northumberland, mklrting the west side of the coal-gold; and southward lnto Yorknhire where it extends botwoen the districts occupied hy the nower rangnenias or conglemerate limentone and the carboniferous or mountain limostona The beds of this forration may be estimated at 000 foet thick; and this ly probebly nhert of the truth. "The prevailing rock of this series in thale, known by the provincial unmo of 'plats;' with which rarious bols of sandstone, differing in linardnens and toxture, and, according to theso differences, distinguished as freeutone, hazel, whetstone, grindstone, and millstone, occur : of the millmone nuly ouo lval is worked, tho thlekness of which is about 30 feet. Thin is one of the uppernost stratn on the Derwent, whore it crops

'Outlines of the Gool of Fuglaud and Wales.') Tho anillstono hed is guarriod on Muebleswick Foll, and betweeu Wolsiuglamu and Stnuhope in Weardale. Towards the lower part of this formation two thin beds of limestono occur, allernating with somo occasional vonman of conl.
The remainder of the countr, west of the district occupied by the millstoue grit, is occupial hy the carbouiferons or mountain limestonc. The liunestone beds in this formation repeatedly afterunte with beds of silicoous grit aud slate-clay. Mr. Winch, from whone account wo have ingely borrowed, classes both the millstone grit and the mountain limestone formations uuder the cormmon dosigation of the leadmino measures. Ho estimates their joiut thicknoes at from about 2700 feet to 2750 feet, and the aggregate thickness of the limestono heds at 570 fvet : deducting the thickness of the millstone grit as given ahove, that of the mountaiu limestone will he about 1800 feet or 1850 fect, of which tho limestone beds amouut to 570 foet: this includes about 250 feet of madstono nud slato-chay, lying iumadiately ahove tho old red-sandstone, which is the formation subjacent to the mountain limestone. The limestono heds are the most charactoristid of this formation, and the most importaut to the minor. The bed called 'tho great limestone' is from 60 to wearly 70 fect thick, and consists of three strata, divided by indurated clay. It is the uppermost hed in this formation, and crops out at Frosterly, in Weardale, between Wolsingham and Stanhope, where it is quarried in large qunntities for agricultural uses and huilding cement, or for oranmental purposes: it is a hrownish-black or dark bluish-gray marhle, in which hivalve shells are imbedded. 'The scar limestone,' a lower bod 30 feet thick, is divided into three strata liko the great limestonc, which it also rescunbles both in colour and orgnnic remains. 'The Tyue-hottom limestoue,' ahove 20 feet thick, is also divided juto three strata. 'Rohinson's great limestone' is ahove 80 feet thick. All the limestones of this formation appear to contain tho encrinus, and most of them also hivalve shells: one of them (the cocklosbell limestone) coutains oyster-shells of 4 or 5 inches diamcter. They seem to agree in every essentinl character, as well as in thcir extraueous and native fossils. The heds of saudstoue whicb occur in this formation aro thicker thaa those in tho millstone grit : they are thickest towards the hottom of the sories. The beds of shale, or as it is called 'plate,' are very numerous: they are seldom so much as 40 feet in thickness, hut one bed is 60 feet. Clay ironstone is found in Teasdale.

Tho carboniferons limestone is the great depository of the metallic veins of tbe district which comprehends the grent Northumberland and Durham conl-field. Lead-mines abound in Weardalo and in Teasdale Forest, and thero aro a few iu the valley of the Derwent. Some of tho fssures, especially those which rango from north to south, are of grent magnitudo, hut coutain very little ore ; thoso which run from south-east to north-west are most productive. The samo vein is productive in different degrees, according to the hed wbiels it traverses: the bmestones are the chief depositories of ore, particularly 'the great limestone,' which is considered to contain as much as all the other beds put together. Galena is the only lead-ore procured in ahundance from this formation; hut white and steel-grained ore aro ocensionally found: silver is contained in the ore iu differeut propertions, varyiug from 2 to 42 ounces in the fother of 21 cirts. : 12 ounces may ho considered as the general average; aud if 8 eunces can bo ohtainod the lead is worth rofining. Newcastle aud Stockton aro the ports at whicb lead is sbipped. ('Geological Transactious,' vel. iv. ; Phillips and Conybeare, 'Outlines of the Geol. of Eugland aud Walce.")
Cinate, Soil, Agriculture.-The climate of the county of Durham is mild for its uorthern situation. The sea, which hounds it ou tho enst, moderates tho cold in winter; and the surface, heing hilly without any considerahlo mountains, presents many sheftered valleys, tho clinunte of which nearly resemhles that of the more southern parts of tho island. The soil varies in diffcreut parts; its general nature is that of a rather stroug loam. In tho ceutre of the county thore is a moist clay loan of moderate quality, on an ochre suhsoil, wbich gradually hecomes peaty, and jeins the western portion of the county towaris Cumberland and Westenoreland, the whole of which lastmeatioued part of the county is a poor peat or moor, chiefly covered with heath. Frum Barnard Castlo to Darlington there is a strip boundod hy the Tees on tho south, which cousists of a dry Iomn intermixod with clay. In this there are some good pastures and productive farms. In tho valleys of tho Tees, Skerne, Tyne, and their tributary streams, tho soil consists of a good friahle loam, which is cultivated at a small expeuso, and uuder good management is sufficiently prositale to the occupier. Tbe exteut of zoor aud heath land is rapidly diminishiug os cultivation advauces. The wastes are made profitahle by roaring a hardy breed of sheep and cattle.
Tho general state of cultivation throughout the county is ahovo mediocrity; aud inprovementa have been readily adopted. The farms are not in general very largo: tho averago size is from 150 to 200 acres of inclosed lind. Cattle and horses aro hred to great nulvautago and oxeu and sheep, are fatteued hy grazing on some of tbe rich upland meadowe. Tho snil and cliunto of tlis county are not favourable to fruit-troes, and except in the gardens of gentlemen of fortune thoy are not inuel attended to. Thero aro somo good oak woods, and many now plautations, where the thure is freohold.

The cattle bred in the county of Durham are in great repute all over England and Scotland. The Teeswater or Holderness breed is the finest of the short-horns. The cows are remarkable for the quantity of milk which they give, as well as for their aptitude to fatteu. The oxen are considered as the most profitable breed for stall-feeding, as they become fit for the butcher at an earlier age than most other breeds. The Durham cow came originally from Holland, but it has been much improved by careful breeding. The milk, although abundant, is not so rich in cream as that of some of the smaller breeds.

The horses bred in this connty are of a superior description, both for draught and for the saddle. The Cleveland bays are preferred for their vigour and activity. Hunters of superior power are produced by crossing strong active mares with blood horses which have grent bone as well as spirit; or better, by having a breed produced by selected half-bred stallions and mares. The young stock are kept in rich and extensive pasture, where they have plenty of food and good water. The dry pastnres on the limestone rock are peculiarly adapted to rear horses, the sound soil being advantageous to the proper hardness of the hoof. The Leicester breed of sheep is generally preferred in this county. On the heaths and moors a small and hardy species of sheep is found in considerable numbers.

Dirisions, Towns, dec.-The couuty of Durham is a county palatine -that is, a county within which some lord had a jurisdiction "as fully as the king had in his palace;" but the palatine jurisdiction having been transferred by Act of Parliament from the Bishop of Durham, by whom it was long held, to the crown, the distinction has been for most practical purposes abolished. The county of Durham is divided into four wards, as follows:-
J. Chester ward, in the northern part of the county. II. Darlington wari, which extends from the boundary of Chester ward to the boundary of the county on the west and south. III. Easington ward, which is bounded on the north by Chester ward, on the west by Darlington ward, on the east by the sea, and on the south by a line drawn from Croxdale beck eastward to the sea. IV. Stockton ward, which occupies the remaining portion of the county. Chester and Darlingtou wards are further subdivided into three divisious eachEasington and Stockton are subdivided into two divisions each.
The county includes one city, Durham on the Wear; seven borough towns, namaly, Brsiof Auckland, on the Wear, in Darlington ward; Barnard Castle, oll the Tees, in Darlington ward; Darlington on the Skerne, in Darlington ward; Gatesizad ou the Tyne, in Chester ward; Hartiepool ou the Sea, in Stockton ward; Stockton on the Tces, in Stockton ward; and Sundermand at the mouth of the Wear, iu Fisington ward. To these we may add the now parlinmentary borough of Soutir Suitelds on the Tyne, in Chester ward. These with the market-town of Sedgefiern are described under their respective titles. Of the market-towns of Staindrop, Stanhope, and Wolsinglam, an account is here subjoined.
Staindrop, population of the township 1429, situated in a bealutiful vale about 19 miles S.W. by S. from Durham; is an ancient town, and was originally a royal demesne. The houses, many of which are well-built, form one wide street ranging east and west. Staindrof beck runs at the east end of the town. The church, which was formerly collegiate, is in the early linglish style, and consists of a nave, side aisles, and chancel, with an embattled tower. In the church are several interesting monuments. The market is held on Saturday for provisions. There are congregations of Wesleyan Methodists, Independents, and Quakers, an Endowed Charity school, and an Infant school. Close to Staindrop is Raby Castle, the seat of the Duke of Cleveland. The castle is on the east side of the park, which is very extensive. The principal part of the building was erected by John Nevill, earl of Westmoreland, in the 14 th century; a portion is still more ancient. The genersl effect of the building, from its extent and grandeur, is very imposing. Its situation is fine: it occupies a rising ground, with a rocky foundation, and is inclosed with an embrasured wall and parapet.

Stanhope is situated on the left bank of the Wear, 21 miles W. by S. from Durham. The parish, which comprehends 55,030 acres, is one of the largest in lingland: the population of Stanhope quarter or township in 1851 was 2545 , chiefly engaged in the lead mines. The church is a plain old building. There are in the town a ohapel for Wealeyan Methodists; tho Hartwell Endowed echool, founded in 1724; a National school, and a savings bank. About a mile from Stanhope are the extensive works of the Weardale Iron Company. There are also important lead mines and lime works. On the west aide of the town is an eminence called the Castle Hill, rising to the height of 108 feet perpendicular from the bank of the Wear. On the summit are remains of some ancient fortifications. The market is on Friday: there are three annual fairs.

Wolsingham is plearantly situated on a point of land formed by the confluence of the Wear and the Wescrow on the left bank of the Wear, about 15 miles W.S.W. from Durham. The parish had in 1851 a population of 4585. The church contains a fincly exceuted font of Weardalc marble. The Wesleyan and Primitive Methodists and Baptists have places of worahip, and there are National schools. The Free Grammar school, founded in 1614, had 55 scholars in 1851, of whom 31 werc on the foundation. The income is about $83 l$. per anurum. Woollen clotll, spades, and cdge tools are manufactured herc.

Several irou blast furnaces have beeu recently opened, and coal mincs are worked on an extensive scale. The population has consequently been more than doubled in number since 1841. The market is on Tuesday. The views from the hill above Wolsiugham are extensive and diversified. Two chalybeate springs rise near the town.

Monk Wearnouth and Bishop Wearmouth are included in the parliamentary borough of SUNDERLAND.

The following are some of the more important villages, with their population in 1851 , and a few other particulars:-

1 Fest Auckland, 13 miles S.W. by S. from Durham : population of the township, 2303. The inhabitauts are chiefly engaged iu manufactures and mining works. Here are a Primitive Methodist chapel, au Endowed school, and a mechanics institute. Great Aycliffe, an ancient village on the Great North road, 14 miles S. from Durham: population of the township, 812. Besides the parish church there is a chapel for Wesleyan Methodists. There are several corn-mills, a flax-mill, a tannery, and a rope-work. The York and Newcastle railway has a station at Aycliffe. Birtley, 10 miles N. from Durham : population of the township 1833; chiefly occupied by persons employed iu coalmines and at the Birtley iron-works. Salt is made here from a salt spring. There are iu Bi'tley chapels for Wesleyau Methodists aud Roman Catholics, and a school. Blaydon, ou the right bank of the T'yne, 18 miles N.N.W. from Durham, has grown into importance, chiefly from the formatiou of the Newcastle and Carlisle railway, which has a station here. The populatiou is not given scparately in the returns. Coal is extensively sent dowu to Shields by the river Tyne. A suspension-bridge crosses the Tyne at Blaydon. There are here a district church; chapels for Wesleyan, Primitive, and New Connexion Methodists, and National schools. Fire-bricks, glass, white-lead, cokc, and lamp-black are manufactured; there are an extensive iron-foundry and a steam-engine factory. Brancepeth, about 5 miles S.W. from Durham : population of the towuship, 470. This village is intercsting on account of its castlc, formerly the seat of the Nevills, which has recently undergone a thorough restoration. The church, a cruciform structure in the perpendicula style, erected by the Nevills, is at the east end of the castlc. The grounds of Brancepeth Castle are well wooded, and are stocked with deer. In the village is a National school. Castle Eden, population of the parish 491, about 10 miles E. by S. from Durham, is inhabited chicfly by persons employed in the neighbouring conl-miues. The colliery company have established schools for boys aud girls. An extensive engine-foundry is in the neighbourhood. Scveral local mincral railways converge at Castle Eden aud joiu the liue to Hartlepool, which is the shipping port for this district. Eaglescliffe, population of the township 493 , on the left bank of the Tees, about 10 miles E. by S. from Darlington. The village occupies an elevated sito ou the bank of the Tees, which is here crossed by a handsome castiron bridgc of one arch 180 feet in span. Besides the parish church, which is ancient, there is a Natiound school. Ford aud IIylton, contiguous townships on the river Wear, about 4 miles W. from Sunderlaud, have gradually iucreased so as conjointly to form an important village: population of Ford township, 1922 in 1851 ; of Hylton towuship, 546. The principal occupation is ship-building; there are also earthenware, copperas, aud paper manufactories, and au iron-foundry. At Ford is a chapel built and endowed iu 1817 by Captain Malin, R.N. Greathan, on the road from Stockton to Hartlepool, 6 miles S. from Hartlcpool: population of the township, 651. The principal object of interest is Grcatham Hospital, founded in 1272 by Robert de Stichill, bishop of Durham; the present commodious building was erected by the late Earl of Bridgewater, who also laid out the grounds and plantations. The institution supports 13 brethren and a master. The parish church is modern. Parkhurst's Hospital is an institution for six poor widows or spinsters. There is an Infant school. Meighington, 61 miles N.N.W. from Darlington, ou the road to Bishop Auckland: population of the township, 685. The parish church, an ancient gothic structure, has a fine Normau tower. There is a Wesleyan Methodist chapel. The Grammar school, founded in 1601, has an endowment of about 70l. a year, aud had 72 scholars in 1851. The village is chiefly dependent on the trade arising from the residence of several wealthy families in the vicinity. Ifeiton-leHole is pleasantly situated in a vale about 6 miles N. L. from Durham: population of the township, 5664. The coal raised from the Hetton collieries is carried by railway to the river Wear, and thence by water to Sunderland for shipment. There is also railway communicatiou with Suuderland. The Methodists have places of worship, aud there is a National school. Heworth is a chapelry in the parochial chapelry of Jarrow: populatiou, 8869 . It is divided into Upper and Nether or Low Heworth. The chapel at Low Heworth is $n$ modern building. Some very ancient coins of the Saxou kingdom of Northumbria were some years since dug up in the chapel-yard. One comer of this chapel-yard contains a monument, a neat plain obelisk niue feet high, fixed on a stone base, to the memory of 91 persons killed in the explosion of Felling colliery in 1812. There is a parish school-house, built by subscription in 1815. At Heworth Shorc, on the Tyne, are manufactorics of Prussian blue and other colours, one for coal tar, and works for prepariug alkali for sonp-boilers; also ship-buildiug yards, a pottery, a glass house, and wharis for the shipment of grindstoucs. Frccstone of a porous charicter, called from its excellence in
enduring a mtrong heat 'Ervatono,' In quarried at IIigh Moworth II wreorth, on the left layk of the Tees, $¥$ miles SiS.F. from Irarington. populatiou of the townahip 1154, is altuated on elerated ground, and commands an extonnive prompect along the ralley of the Tees leatdes the parinh church there aso places of wronhip for Weslogan and Primitive Metholists aul ludepeudents : there are uleo Mational schools and a echool supported hy tho Primitive Mochodista Jerrow, or Yarrow, is betweon Siewonatic nad South Shields; the church ie 8 wiles from Niewcatle, and 21 miles from Shields; but whon the tido is out a mile may bo saved between Jarrow and Shiclds by croeing the 'Slako,' a recees In the right bank of the Tyue, which in dry at low wuter: the population of the joint township of Hedworth, Moakton, and Jarrow is 3955 . Jarrow wan the seat of a monnmery cetablimhod in 691 by Bonodict, a noble Sayon, who had prevloully founded the mounstery of Monk Wearmouth. Jarrow deriven lie chief Interest from its connectiou with the venerable Bede, whoe hirth is fixed by an ancient aud probable tradition at the hamiet of Monklon, which nearly adjoins Jarrow. In 870 the monatery wan burned by the Danee, and after rising from its ruina wha gain destroyed by Willina the Conqueror, $10 \%$. Some scattered reatiges of the monastery still remnin. The ehurch adjoins the centre of the mouastlo buildinins immedintely on the north. The church was in great part rebnilt in 1783 . The tower, whlch rises from the coutre of the church, rotains some curious Norman features. Roman incriptions anul parements hare been dug up near Jarrow. There are lange conl-works in the vicinity. Ship-huilding, the manufacture of canvan, and paper-making afford cmploymeut to many of the inhabicants There are some alkali works. \&. John's ll'cardale, although little better than a village has a market. It is about 27 milos JV. by N. from Durham: population of Forest Quarter, in which the village is sitnated, 4353. Lead-minea in the ncighbonrhood give extensive employment. The market is held on Saturday; and there are fairs in April and September. Greal Lumley, population of the township 1730 , abont 5 miles N.N.E. from Durbam, is occupied chiefly by persons employed in the collieries. The Wesleyan and New Conueslon Mothodists have places of worship. An hossital for twolve poor womea whs founded in 1655 by Sir John Duck. Salmon-fishing is carried on in the river Wear. Middleton-in-Teesdale, a small markottown on the left bauk of the Tees, about 25 miles S . WW. by W. from Durham: population of the towaship, 1840. The church is a small anciont elifice. The Baptists and tho Primitive and Wealeyan Methodista have places of worship, and there in a Free school. The martet in held on Satunday, and there are two annusl fairs. The proprietors of the lead-mines haro estahlished mohools and a library, The rillage is situated among hills, and extends in a kind of oval form round a apacions green. Mieldleton St. George, a small village 5 mile S.E. from Darlington: population of the parish, 332. The village is sitnated on tho left bank of the Tces, and is chiefly dependent on riniters to the neighbouring spa of Dinedale, for whose accommodation some good dwelling-houses havo been bnilt in this village and Middleton-One-Row, a smaller village a little to the west, consistlog of a row of renpectable housca Norton, about a milo N. from Stockton: population of the parish, 1725 . This village contains many good residonces The parish church, anciently collegiate, is of mixed utyles, and has a central tower. The Grammar school has an endowment of about 441. a jear, and had 41 scholare in 1853. Here is also a National school. Painshaw, population 2120 , situnted about 0 miles $\mathbb{N}$. by lin from Durbm. In this neighbourhood the Marquis $^{2}$ of Londonderry's extensive collierics are situated, and give cmployment to a largo proportion of the labouring population. There is also as lron-foundry. Numerous railways intersect each other herc. There are here a cliapel for Weslegan Methodiats, and au Findowed school for the chaldren of the colliers. Pellon, population of the township 1207, about 8 miles N. by W. from Durhnm, possesses a ueat gothio church, ereeted in 1842 by the neighbouring proprietors of land and the coal-owners. The Wealeyan and Primitive Methodists have places of Workip, and there are schools for the children of the coal-nilisers. Rylom, on the right bank of the Tyue, about 8 malles W. from Gateshead: popnlation of the towabip, 730. The pariah clucch is an interecting old edifice; It bas a tower surmounted with a lofty spire. The Wealeyan Methodista and Independonts have places of worship, and thero la a meliool with a small ondowment. Salmon-iahing is carried on in the Tynu at IRyton. Seaton Carcio, 3 miles S. from Ilarlepool : population of the townhlilp, 723 . The village consists clilefy of neat and commodioun cotlages for bathligg risiters ; the cot tages aro arraged on three siden of a quadrangle. There is here a National mohool. Shildon, 11 milos 8 . by W. from Durlam : population of the townhip, 2144. In Old Shildon village are a chapel of cave, a Wealoyan Methodint chapel, and National and British schooln ; there in also a Britiah achool in Now Shlldon. In the vicinity are noveral lron-foundriew, engineering factorien, and collierics. Shotley Aridge, 14 milos W.N. W. frou Durham, on the right bank of the Nerwent, whlch hero separnten the countios of Durhain and Northumberland: pppulation neturnel with the jurinh of Lanchester. The Consett Iron Conupany's work about 2 mile from Shotley Bridge, iron-workn at black Hill, one mlle dintant, a paper manufactory at Shotloy Grove, fonr-mille, maw-milh, a hrowery, and a tobacco-plpe manufnctory give employment to a large proportion of the fuhabitants

In Shotloy Dridgn In a mochanics inntituto; petty somions and a connty court ane held here. At Black ISill aro chapols for l'rimitive and Wesloyan Methodiste, a National aad a British school. Swalwell, a villnge about 16 miles N.N.W. from Durham: population of the towunhip, 1429. Sir Ambrose Crowley established iron-worka here in 1090. Thero are chapols for Wealeyan and l'rimitive Mothodista and Soutch IPresbyterinus, a National school, and a publio library. Tow Low, population of the village about 2000 , plensatly situated on high ground, about 10 milem W. hy S. from Durham, has risen within the last ten years in consequence of the opening of iron-works in the neighbourlzood. The abundance of coal, iron, and limentone is the ricinity, and the convenience of traneit by milway, aro elemeutim of prosperity to this rapidly rising village. Thene are chapela for Wesleyan and Primitive Methodisth. Trimdon, popzulation of the parish 1593 , about $\$$ miles S.1̌. from Durham, has mucl iveroased of Inte jears from tho opeuing of new collierjen. The Weslejan Methodists have a chapel at New Trimdon The parish church is aituated in Old Trimdon. Washingron, 11 miles N. by l\%. from Durham, population of the township 1224, is chiefly depeadeat on the ncighbouring collierien. Magnenis and coke aro manufactured, and there are saw-mills. Tho pariah church, a handsome edifice, was rebuilt in 1832; there is a National Bchool. $11^{\text {rhielhham, about }} 16$ miles N.N.W. from Durham, population of the township 810, is agreeably situated near the right bank of the Tyne and on the right bank of the Team. The parish ohurch, which is ancient, has beon rocently repaired; it has a nave, aislea, and chancel, and a square tower with flying buttressen There are here a Wesleyan clapel and a National sehool. Coke is manufactured in the vicinity. W\%itburn, about 2 miles N. from Sunderland: populatiou of the parish, 1208 , Numerons visiters resort to this placo in aummer for sen-bathing. Limestone is quarried in the parish, and wome coal is raised: fashing is the chlef occupation of the inhabitanta. Besldes the parish church there aro a Methodist chapel and a parochial school. Il'inlatom, population of the township 5627 , is a manufacturing village betwoen the Tyne and the Derwent, about 18 miles N.W. by N, from Durham. Sir Ambrose Crowley, an aldernan of Loudon, established here about 1690 tho extensive iron-works which atill bear his uame. Sir Ambrose established various charities for the benelit of the workmon and their families. These charitien however ccased in 1816. There is here a new church, erected in 1528, and chapel for Weslosan, Irimitive, and Now Connexion Methodists and Presbyterians. HFitton-lo-15ear, 12 miles S.W. from Durham: population of the parochial chapelry, 918. The village is situated on rixing grouud on the left bank of the river Wear. Coal is extensively raised, and an lron-foundry employs a considerable number of workiven. Witton Castle was burnt down several years back, but has heen rehuilt; there are some good mansious in the neighbourhood. Holviston, 4 milen N. from Stackton: populatiou of the township, 750 . In the neighbourhood of this village is Wynyand Hall, tho seat of the Marquis of Londonderry. There are here almalounes for widows, erected in 1533 by tho Marchioness of Londonderry.

Divisions for Civil and Eccleriastical Purposes.-The county of Durham is in the diocese of Durham and in the eceleainstionl provinco of York. It constitutes an archdoaconry, which is subdivided into the dcaneries of Chester-lo-Street, Darlington, Easington, and Stockton. The richer beneffces are among the wealthlest In England. Some of the parishes and parochial chapelries are of great oxteut. According to the 'Census of 1Religious Worship,' takeu in 1851, it appears that there were then in the county 621 places of worship, of which 351 belonged to flve sections of Methodiets, 100 to the listablished Church, 25 to Independents, 21 to Baptists, 20 to Roman Catholics, 11 to Preabyterians, 9 to Quakers, and 12 to minor bodics. The total number of sittings provided was 171,903 . Hy the Poor-Law Commisnioners the county is divided into 14 Unious: Aucklaud, Chester-Io-Stroet, Darlington, Durham, Easington, Gatoshead, Iloughton-loSpring, Lanchester, Sedgefield, South Shields, Stockton, Snnderland, Teosdale, and Weardale. These Unious iuclude 311 parishos and townahips, with au area of 716,019 acres, and a population in 1851 of 400,201 ; but tho boundarics of the Unions are not atrictly co-extellsive with those of the county. Durham is includod in the northern circuit. The assizes and tho quarter sessions are held at Durhan, Where stand the county jail and the house of correction.

Before tho licform Act there were four members returnen to Parlinment from this county, two for the county itself and two for the city of Durham. By tho Reforin and Boundary Acta the county was formod into two divfaions, cacli returaing iwo mombers. By the Feform Act two members were given to Sunderland, including part of tho parishes of Mouk W'earmouth and Bishop Wcarmouth; and one member cach to Gatoshead (includling part of the chapelry of Heworth in the parochial chapclry of Jarrow) and South Shields, Including the townships of South Shiclds and Wostoe is the parochial chapelry of Jarrow.

Misoory and Anfiguitics.-At the tizne of the Roman invasion the county of Durlam wns included in the territory of the Brigautes (Bipirarres, Ptolenswis), a powerful tribe who occupied tho northern part of the island from the Meracy to the Tyme. The ligignates Were sublued by Cerealis and Agricola, but no incidonts havo
been rocorded of their aubjugation which aro peculiarly connected

With this county. The county remained in the possession of the Romans until they finally withdrew from the island, being defended by the wall of Hadriau or Severus, which extended from sea to sea across Northumberland and Cumberland. The notices of the district by the ancient geographers are scanty. We gather from the Itinerary of Richard of Cirencester that the Tees was known to the Romaus as the Tisa, and the Tyne as the Tina; and from Ptolemaus, that the Wear (Horsley will have the Tyne) was knowu as the Vedra. The Romans had several stations within the county. Vindomora aud Vinovium, mentioned in the first Iter of Antoninus are fixed by antiquarians at Ebchester on the Derwent, and Binchester near Bishop Auckland. Ad Tisam, mentioned by Richard, is fixed at Pierce Bridge on the Tees. Gateshead was considered by Camden to be the Gabrosentum of the Notitia, which others place at Drumburgh near Carlisle. Of some other stations the precise sito has not been definitely ascertained. Roman antiquities have been found at Chester-le-Street, at Coniscliff or Conscliffe, near Pierce Bridge; at Old Durham, near Durham city, at Lanchester, at Pierce Bridge, at South Shields, at Stanhope, at Thornton, near Darlington, at Monk Wearmouth, and at Whitborn Lizard. (Reynold's 'Iter Britanniarum.')

On the establishment of the Sax on Octarchy, Durham was probably included in the kingdom of Deira, the southernmost of the two which are frequently comprehended under the general name of Northumbria. About the year 634, after Oswald had united the two kingdoms under one sceptre, Lindisfarne, or Holy Island, was selected Ras the residenco of the first bishop. The seat of the bishoprio was abont 30 years later removed to York. Iu 678, when Northumbria was divided into two dioceses, Lindisfarne again became au episcopal seat. Fear of the ravages of the Danes caused the bishop and olergy to leave Lindiafarne about 875 , and to take up their residence at Chester-le-Strcet. From this placo another removal took place in 995, first to Ripon in Yorkshire, afterwards to Dunhelm or Dunholme, now Durham, where the see has since been fixed.

For about 20 years subsequent to the Conqnest, Durham suffered all the calanities of civil war in consequence of the oppressive oonduct of William aud his Norman followers, the resistance of the ecclesiastics and the people, and the attacks of as invading Scots army. Rapine, famine, and pestilence spread misery on every hand, and almost cntirely depopulated the district.

Iu the early part of the 14th century Durham was frequently invaded by the Scots. The last occasion of this kind was iu 1346, when under the conduct of king David, they crossed the Tyuc and the Derwent, and encamped about 3 miles from tho city of Durhmin. Edward was in France; bnt tho northern nobles and prelates collected a powerful army, and the battlo of Nevill's Cross terminated in tho defeat of the Scots and the captivity of David.

In the war of the Roses, tho Yorkista, under the Marquis of Montacute, marched acroms Durham to attack the Lancastrians before the battle of Mexham. In the inrasion of Englaud by James IV. of Scotland, who favoured the cause of Perkin Warbeek, Norham Castle, which then belonged to Durham, was beseiged by the king; but when reduced to the last extremity, it was relieved by tho approach of the Earl of Surrey with an army. At the time of the Reformation the see of Durham was held by Cuthbert Tunstall, a man honourably distinguished in that persecuting age by his mildness and forbearnnce. He was imprisoned and deprived of his bishoprio under Edward VI., was restored under Mary, but finally deprived after the accession of Elizabeth. The rcligious establishments were not richly endowed, with the exception of the priory at Iurham. Kypen and Sherburn hosyitals, which were among the wealthiest, had each leas than 200 l. a jear grose revenue. In tho rebellion of the earls of Northumberland and Westmoreland in support of the Roman Catholic faith, they found little difficulty in raising a tumultuous force, with which they enterea Durham, tore and trampled under foot the English Bibles and prayer-books, and colebrated mass in the cathedral ; they were however shortly afterwards dispersed by the royal army under the Earl of Sussex. In the latter part of Elizabeth's reign the northern counties were much aftlicted by a pestilence.

When the Scots invaded England, in 1640, they crossed the Tyne into this county, Lord Convay, who commanded the King's troops, retreating first to Durham, and afterwards to Northallerton iu Yorkshiro. When the civil war broke out in 1642 , the Earl of Newcastle formed the four northern counties into an associatiou for the king's servico. During the Commonwealth the sec was dissolved; but upon the restoration of Charles II. it was re-established, and bestowed on Bishop Cosing, who distinguished himself by the munificent use he raade of his largo revenues. The local history of the county since the Restoration is not marked by any interesting features.

Durham is one of the principal counties in which coal is raised; it does not rank very high as an agricultural county.
In 1851 there were 12 savings banks in the county: at Baraard Castle, Bishop Auckland, Chester-le-Street, Darlington, Durham, Martlepool, Lanchester, Middletou-in-Tecadale, Monkwearmouth, South Shields, Stanhope, aud Stockton-upon-Tees. The total amonut owing to depositors on the 20th of November 1851, was 262,449l. 7s. 5idl.
DJJRHAM, the capital of the county of Durham, a city and borough,
and the seat of a Poor-Law Union, is situated on the river Wear, in $54^{\circ} 47^{\prime} \mathrm{N}$. lato, $1^{\circ} 34^{\prime} \mathrm{W}$. long., distant 258 miles N . by W. from London by road, and the same distance by the Great Northern and York and Newcastle railways. The population of the municipal and parliamentary borough of Durham in 1851 was 18,188 . The city is governed by 6 aldermen and 18 councillors, one of whom is mayor ; and returns two members to the Imperial Parliament. For sanitary purposes the borough is governed by a Local Board of Health. The livings are in the archdeaconry and diocese of Durham. Durhan Poor-Law Union contains 25 parishes and townships, with an area of 42,163 acres, and a population in 1851 of 35,793 .
About the close of the 10 th century, when the monks of Lindisfarnc, or Holy Island, removed from Chester-le-Street with the remains of St. Cuthbert, the legend informs us that on the arrival of the body at Dunholme the car in which it was carried became immovable. The mouks proceeded to build (on the site now occupied by the church of St. Mary-le-Bow, erected in 1635) a sort of tabernacle of boughs, wherein they deposited the relics; but soou after a stone church was built by Bishop Aldun, and dedicated to St. Cuthbert, whose remains were rcmoved and enshrined in it. The town of Dunholme, or Durham, was besieged unsuceessfully by Duncan of Scotland in 1040. By Leland it is called Duresme (the Norman name, whence Durham).

William the Conqueror and his friends and followers committed dreadful ravages in Durham and its neighbourhood, in revenge of the murder of the garrison by the inhabitants, whose feelings of hatred had boen roused into action by the excesses of the Norman soldiers. In $10 \overline{7} 2$ a strong castle was built here, and Walcher, a Normau, was appoiuted to the bishopric. This prelate purchased the earldom of Northumberland, and assumed the title of Count Palatine. In 1093 the old church built by Aldun was pulled down, and the present magnificent edifice begun by King Malcolm, Carilepho the bishop, and Turgot the prior. Durham was often the head-quarters of Edward III. and of other monarchs and commanders on their excursions against Scotland. After the battle of Newburn the city of Durham became almnst depopulated.

By an Act passed in the 27 th of Henry VIII. the temporal jurisdiction of the bishops of Dutham was considerably abridged. In more moderu times, by the 6 th aud 7 th William IV., cap. 19, the whole of the palatine jurisdiction of the bishops of Durham was taken away, and vested in the crown as a separate franchise and royalty. The city had its first charter from Bishop Hugh Pudsey, confirmed by Pope Alexauder; the last charter was granted by Bishop Egertou iu 1780. Tho assizes for the county are held here twice a year by the judges going the northern circuit. A county court is held in Durham.
The city is nearly surrounded by the river Wear, and forms a peninsula, the centre of which rises to a lofty emiuence, partially inclosed by the ancient walls, and skirted with hauging gardens descending to the river, on each side of which are delightful pubiic walks called the Banks. The carhedral and castle crown the summit. The prospect obtaiued from the summit of this emineuce, comprehending a large extent of fertile and wooded country, is exceedingly interesting; as are also the views of Durhan city, castle, aud cathedral from numerous points in the approaches on either side. The cathedral occupies the north sido and the castle the south sido of Place or Palace Green, a spacious square in the centre of the town. On the west side of the square is the old exchequer, comprising the offices of the Palatino court of chancery, offices for the diocesan records, \&c. Other buildings connected with the ccclesiastical establishment adjoin those just named.

Notwithstaucling the marring effect of so-called restorations and alterations, euough of the outline of the cathedral remains to show the majestic character of the origiual Norman structure. The building is in the form of a Latin cross; the dimeusious are as follows:-Length, 502 feet; length of nave, 205 feet; height of nave, 69 feet; width of nave and aisles, 81 feet; middle transept, 171 feet by 33 feet; choir, 127 feet by 32 feet; eastcrn transept or chapel of the nine altars, 129 feet by 34 feet. The height of the great central tower is 210 feet. The principal entrance was originally at the western end, a beautiful Norman arch formiug the doorway; but after the erection of the Galilee Chapel by Bishop Pudsey the northern doorway becamo the principal entrance. A transept at the east end called tho Chapel of the Nine Altars is a fine specimen of early English srchitecture, and has additional interest as containing the remains of St. Cuthbert. The remains were discovered under the site of the former shrine of the saint on the 7 th of May, 1847, and were re-interred the same evening. Many interesting old monuments are in the cathedral.
The castle has received many alteratious and repairs from the hands of successive bishops of Durham, who used it as a place of occasional residence. The original building is Nerman. The great outer gateway, which had bcen for somo time used as the county jail, stood till 1818, when it was removed. The archway of the present eutrancegate is Norman, but the tower of the gateway is a recent structure, built or restored by Bishop Barrington. The courtyard of the castlo is an irregular square, the greater portion of the buildings being ou the north and west sides. Bishop Hatficld's 1iall, on the western sido, was originally 132 feet loug by 36 feet in width; but was considerably curtailed in its dimensions by succeeding bishops. In this hall

1lenty 111, the I'riucen Nargaret of Fingland, Charloe I., and many distingulahed persunages have at rarious periorls been outertainod liy the blshops of Durham. The Norman chaprel, neceutly repaired aud alterel, Is the most anciont part of the building. It consints of a nare and ainles. The wholo of the cartlo buildingo are now in promsosion of the University of Durlam.

The charch of St. Mary-lo-Bow, in the North Bailey, in which the rinitatious of the bishop are held, ocen pies the nita of the oldest chureh in Durham. The present building, which connints only of a nave and ohancel, was erectod $\ln 1035$; the tower in 1702. St. Mary's chureh, In the South Bailey, is a small ancient edince St Oswald's way partly rebuil some years back; it la of mised styles; the tower is of the perpendicular strle. St Giles's chureh is of early dato; its original character has however been considerably changed by reparations. The other churches aro St. Nicholan's chureh in the marketplace and St. Margaret's chapel on Crosegate Hill. The Independents, Quakers, Primltive, WYealeran, and New Conncxion Mothodists and Roman Catholivs have places of wordhip. A Grammar echool connectol with the enthoiral has 4 exhibitlons for the nons of clergymen of $25 \%$ ench at tho school and 501 . ench at either of the universitles; and 18 King's scholarsbipn, worth about 40 t. per annum each; with notme wholarships for Cambridge University. The school-honse has been robuilt outside tho city, with residences for the head mater and the mecond master. Tbe number of scholars, including King's scholars, ห土 106 in 1853. A Diocesan training-school had 23 students in residence in 1858. There are besides a Blue-Cont school, National and Infant echoola, a Catholic Free seliool, a Charity school, a mochanies Institute, and an athenerim. Tho Infirmary was catablished in 1791; the preseut handsome building was erected iu 1819. Durham josenes a saringe bank. There aro nimshouses for 4 poor men and - poor women, and numereus other benefactions to the poor.

Durham is lighted with gas, and is well supplicd with water; the streets are partinlly pavel. A public foutain stands in tho centre of the market-placa. In tho market-place is the guildhall erected by Bishop Tunstall in 1555. The town-hall, a spacious and handsome odifica in the Tudor baroninl style, was erected a fow ycars ago from the denigns of Mr. Hardwick. The hall is 70 fect long, 35 feet bread, and 56 feet high, and is finished with rery great richness and aplendour. There are in Durham a subseriptiou libmary, a news-room, assembly roors, and a theatre. A new jail, county courts, and house of cor. roction were erecterl some years back at a cost of nearly $120,000 \mathrm{~h}$ thees aro hold is May. At the northem extremity of the city is Framwell-gato bridge, erected about the year 1120 hy lishop Flambard. Filvet bridge wan originally built by Binhop Pudgey $\ln 1170$; it weas considerably widened and impreved nono years back. A handsome bridgo of three arehes, erected at the end of the last century, crosses the river at the extrenity of the South Bailey.
Durham possesses manufactories of carpets, worsted stuffs, paper, and hata; with tan.works, brewerics, and fron and brass foundries, Tho mustand made at Durham has acquired a high character in the markot The conl-field is extonsive, and there are numerons coalmines near the city. A market for corn and provisions is held on Saturdny. Five falrs are liell in the year; that held in Jlarch is a celebrated fair for horses
The principal ststion of the Durham brauch of tho York and Newenstle milway is in Gilengate; it is spacious and well armanged. Among old buildings In Durhain may be maned the Magdaleno Chapel in Gilergate, and tho dornitory which belonged to the great monastery of Durham. This dormitory is one of the largest and finest buildings of the kind in Eingland. Beaurepaire, or Bear Parz, tho summer retreat of the priors of Durlasm, is about two miles north-west frem Durhasn. About thrcequarters of a mile frem the city la the sito of tho Maiden Castle, a fortress ascribed to the Romans, as also some remains of the Farmine-streot. Saline, chalybeate, aud sulphureous mpring are fonnd in the nelighbourhood.

Therham, E'niverrity of.-A college whs founded here by the prior and convent of Durham in 1290 , which was afterwards cnlarged by the liberality of Bishop Iniry and Bishop Hatficld. At the dissolation of mopngtio housea tho endowments of Durham College were given to the dean and ohapter, in the preamble to whose fonndationcharter, granted by Ileury V1II. In $15 \$ 1$, tho promotion of learaing in particularly referred to. Oliver Cremwell instituted a college at Durham which ho endowed from the mequentrated rovenues of the dean and chapter. At tho reatoration thequ arrangements were orerLumed, and tho dean and chapter received again their alienated ewolumunta. The prenent university ofes its exintence mainly to tho exortion of the venerable Charlen Tborp, D.D., archdencon of Durham, who on the Inatitution of the unlversity was appointod to the offico of warden. The univeralty was opened for studente in October 1833, under the provisions of an Act of Parlinment obtained by the bishop and dean and chapter in 1832. In 1837 a reyal charter of iucorporation granted to the lnetitution the stylo and tltlo of 'the warden, masters, and seholarn of the Vinlversity of Durlam." The charter gave the power of onnforring degrees, and confirmed the riglite and pavivilegen amured to it iry Aet of l'arliament, or umually enjoyed by chartered univerwitien The hinbop in vinitor; the dean of Jurham is In future to bo warden. There are profemorkipm of divinlty and ecolemiastion history, Greck and classical literature, and mathomstica and astronoray,
with realers inlaw, 1 lebrew, history aul polite litorature, and natuml philosophy, and a locturer in chemistry and minaralogy. Of University College the warden of the university is inaster. lhishop llatficld's liall, institutod in 1840, is for divinity sturlents. It lias four tutors, one of whom is principal, a ceusor, aud a chaplain. The acalemical year consists of three terns of not lens thau eight weeks each, which are called Michnelmas, Epiphany, and Bastor terma, The age of adnission to the acadesnical course is frem 16 to 21 ; and for the divinity course between 21 and 26 ; beyond this age stndents must be admitted by speclal leave. Caro has been lakon that the charges for the necemary expensen of atudents sball bo an moderato as is consistent with comfort, and any appreach to extravagauco in sedulously guarded agaiust.

The diocese of Durham is in the province of lork; it extends over the counties of Durbam and Northumberland, and comprives 242 beneflces. It is divided into three arehdenconries, Dirrham, Northumberlaud, and Lindisfarne. The chapter consists of tho dean, tho archdeacons, 9 canons, 10 honornry canons, 6 minor canons, a chan. cellor, a ascrist, and a precentor. The lncome of the bishop la fixed at 8000 l a year.
(Surtees, Durham; Ilutehinson, IVistory of Durham; Oinsby, Sketches of Durham; Communication from Durham.)

DURLACH, a town in Baden, capital of tho cirelo of Durlach In the province of Mittel-Rhein, is situated on the l'finz, at the foot of the Thurmberg, a richly-cultivated hill, about 3 miles E. fron Carlsrube, tho road to which is formed by a stmight arcuuo of Lombardy poplars; in $48^{\circ} 89^{\prime} \mathrm{N}$. lnt, $8^{\circ} 25^{\prime}$ F. loug. ; and has a population of about 5000. Durlach is a station on the Duke of Baden's railway, which runs up the right bank of the Blscin from Mannheim to Bale. It is an old town, and was long the reaidence of tbe margraves of Baden-Durlach, one of whom, Charles Willian, built Carlsruhe, and removed the seat of government to that spot The palace, called tho Cirlsburg, and its gardeas are the chief attraction of the place In these gardena are four stone columns once set up on the rond througls tho land of the Decumates, in the reigus of Caracalla, Heliogabalus, and Alcxauder Soverus, as well as an altar to Hereules, and several stone tablets with Roman inscriptions upon them. Tho town has a church, a trainiug school, and a townhall. Trade, agriculture, and horticulture, tho manufacture of wine and mechanical pursuits form the chicf occupatious of the people. The environs are corered with orchards. Tobaceo and eartbcuware are manufactured, and the town has one of the most extcnsive markets for grain in the grand duchy.

DURIROW, [KıLкE®*צ.]
DURSLEY, Glouccotershire, a market-town and the sent of a Poor-Law Union, is aituated at the base of a steep hill, in $51^{\circ} 40^{\circ}$ N. latu, $2^{\circ} 20^{\prime} \mathrm{W}$. long. ; distant 15 miles S . by W. frem Glouceater, and 106 miles frem London by road. Tho population of the town of Dursley in 1851 was 2617. The living in a rectory in tho archleaconry of Gloucester and diocese of Gloucester and Bristol. Durslcy PoorLaw Union contains 10 parishes aud a chapelry, with an area of 26,270 acres, and a population in 1851 of 14,813.
Dursley cousists principally of two strects, which cross each other. The houses are irregularly built. The clureh is handsomo and commodious. Tho Independeuts have a place of worahip. The market-house is a ment freestone building ereeted in 1788. The market-day is Thursday; there are two annual fairs. A connty court is beld iu Dursley, and there is a sarings luank. The cloth manufacture is carricd on to a considerablo extent. In the neigh bourhood is a quarry of tophies, or paffetone, which being son is easily worked, but exponuro to the nir bardens tho stone and makes it durable. Tho walls of Berkcley Castle, whlech were built of this stone some seren centuries ago, are still in good preservation.
DUSSELDDOR1, a government or alministrative circle in tho Prussian province of the lhine, is bounded N. by Hollaud, 1\%. by Weatphalin, $S$. by the goveranaent of Cologne, and W. by Ilollaud and the government of Aachen. It has an area of 2065 square miles, and bat at the close of 1849 a population of 007,151 , among whom about 7500 wero Jews, 900 Mennonites, and tho rest Catholics amd Evangelicals in the ratio of nbout seven to four. It is the most densely peopled portion of the Prasxian dominions. The thine whals cuters this govemment uenr Rheinfeld, divlde it iato two nearly equal purtions, and after recciving mauy mmall rivers quits it near Sclienkenschanz, where it is 2300 feet in wldth. During its pramgo through Dusachorf it is joinod on the left bank by the Eirf or Firm, and on the right bant by the Wipper, Duhne, Diissel, Scliwarzbach, Angerbach, luhr, limeche, and Lippo. The nolthern part of the goveroment is level, mad though it contains. large tracts of sand, it liae alao a considerable extent of good arablo land and pastures. The sail of the other parts ls lighly prednctivo in geueral, but there are many forests aud barren tracts in the mountainous districts on the right bank of the Rhine, particularly in the circle of Lennep. The guantity of arable land is.computed at 680,000 acres, and of mealown aud pasturen at 155,000 acrea. There are extenalvo manufactures of woollenk, silk, cotton, threnh, leather, steel, iron, ironware and cutlery, twbncco, soap, \&c. Iren, coals, and potters clay are among tbo native producta Grazing aud the rearing of hormes adod cattle are actively purauod. The gotcouncut is
traversed by railroads which communicate with the Belgian, Hanoverian, and Prussian lines. The government is divided into thirteen circles, and contains many considerable towns, the inhabitants of which are extensively engaged in manufacturing enterprise. Düsseldorf the capital, Barmen, Cleves, Crefeld, Duisbura, and Elberfeld are noticed in separate articles.

Among the othcr towns are-Essen, which stands 28 miles by railway N.E. from Düsseldorf, between the Ruhr and the Emsche, in a rich iron and coal district, has four churches, a gymnasium, an hospital, iron blast-furnaces, factories for steam machinery, cast-steel works, smalt-factories, \&c., and a population of about 7500. Emmerich, a frontier fortress of Prussia, which is on the right bank of the Rhine, and has 7000 inhabitants; it stands in the centre of a rich agricultural district, and has a custom-house, four churches, considerable manufactures of woollens, soap, leather, hats, \&c. Lennep, 20 milcs E. by S. from Düsseldorf, and not far from the left bank of the Wipper, has important cloth factories, and dye-houses, and trades in wines, hats, iron-ware, dec: : population, 4900 . Mühlheim, a pretty town on the right bank of the Ruhr, 15 miles N.E. from Düsseldorf, has largo silk and cotton-factories, zinc and iron-works, establish. ments for the manufacture of steam machinery, and 9000 inhabitants, who are also largely engaged in the export of coals. Neuss, a fortress and flourishing manufacturing town, 4 miles S.W. from Düsseldorf, has 8000 inhabitants ; it is said to be the Novesium of the Romans; up to the 13th century the Rhine flowed close past the walls, from which it is now nearly 2 miles distant; the church of St. Quirinus is the most important building; the manufactures are Woollen-cloth, flannel, cotton-cloth and yarn, ribands, hats, starch, vinegar, soap, oil, \&c. ; there is also a good trade in corn, slates, timber, coals, quills, and stone. Novesium was sacked by Attila in A.D. 451 ; in 1254 the town joined the Hanseatic league. Ronsdorf, midway between Elberfeld and Lennep, has 4000 inhabitants, who manufacture cutlery, silk, cotton-cloth, woollen-cloth, and linen. Ruherort, at the entrance of the Ruhr into the Rhine, has a large trade in coals, yards for building steam-tugs, cotton-factories, workshops for the construction of steam and other machinery, and about 3500 inhabitants. A railroad $5 \frac{1}{2}$ miles in length connects Ruhrort with the Oberhausen station on the Cologne-Minden railway. [Arexsberg.] Solingen, 15 miles S.E. from Düsseldorf, has 6000 inhabitants, and is famous for the manufacture of sword-blades, foils, cutlery, and iron-ware. Stecle, or Steyle, situated a short distance E. from Esseu on the right bank of the Ruhr, and in the centre of the Westphalian coal-field, has about 2000 inhabitants. A railway 21 miles in length runs from Steele to the Vohwinkel station on the Düsseldorf-Elberfeld railway. Wesel, which stands at the junction of tho Lippe with the Rhine, and on the right bank of the latter; is a fortress of the first class, defended by a citadel on the mouth side of the town, and connected by a bridge of boats with Fort Blücher, on the left bank of tho Rhine; the town including the garrison has 13,000 inhabitants, who manufacture woollen and cotton-cloths, soap, hats, cordage, leather, tobacco, beer, \&c., and carry on a considerable trade with Holland by the Rhine, and with Westphalia by the Lippe, which has been made navigable; the chief articles of commerce are corn, timber, coals, salt, wine, brandy, and colonial produce; it has a gymnasium, seven churches, a synagogue, a town-house, an arsenal, house of correction, and a number of distillerieu.

DUSSELDORF, the capital formerly of the duchy of Berg, now of the government of Duisseldorf in Thenish Prissia, is situated in the centre of a fertile country on the right bank of the Rhine, at the point where the Dissel joins that river, in $50^{\circ} 13^{\prime} \mathrm{N}$. lat., $6^{\circ} 47^{\prime} \mathrm{E}$. long., at an elevation of about 100 feet above the level of the sea, 22 miles by railway N. from Cologne, and has, including the suburbs, a population of 31,000 , who are chiefly Roman Catholics. It was raised from the rank of a village to that of a municipal town by Adolphus V., duke of Berg, in 1298; it was first united to the Prussian dominions with the duchy of Berg in 1815. The flying bridge across the Rhine dates from the year 1680. Düsseldorf having been carefully fortified, acquired the character of a fortress in the middle of the last century; but it was never tenable against a serious assault, and the defences were razed by virtuo of the treaty of Lunevillo in 1802. It is one of tho best-built towns on the Rhine, and has more the appearance of a small German capital than any of the other Rhenish towns. The streets are broad and planted with avenues of trecs, and contain many showy shops. Duisseldorf is surrounded by extensive garden-grounds, and consists of three quarters, namely: the Altstadt, on the right bank of the Diissel, which was the whole extent of the town until the beginning of the 17 th century ; the Neustadt, on the Rhine ; and Carlstadt, tho handsomest part of Diusseldorf, south of the Old Town, and on tho left bank of the Düssel, which takes its name from Carl Theodore, the elector-palatine, who founded it in 1786. There are five squares or open spaces, on one of which, the old market-place, stands a colossal equestrian statue in brooze of Johann Wilhelm, elector palatine. Among the buildings of note are the old electoral palace, which is now occupied by the Academy of Arts and the Royal Mint, and in the court-yard of which is another statue of Johann Wilhelm in marble. The town had formerly a famous picture-gallery, founded in 1710 by the elector Johann Wilhelm; but the paintings were removed to Mtivich in 1808, and those which it now contains are said to be of little to Mrimidin 1808, an
GEOC. DIV. VOL, II.
value. There is however a thriving school of painting in the town, and an exhibition of paintings is held annually in a building for the purpose adjacent to the old electoral palace. The other buildings of consequence are the present palace, where the governor of the province resides; the government-house, once a college of Jesuits; the observatory, townhall (erected in 1567), courts of law, barracks, theatre, gyinnasium, and a public library of above 30,000 volumes. Düsseldorf has seven churches, two of which belong to the Protestants; the most remarkable are St. Lambert's, aud St. Andrew's (the oldest in the town, which contains some good pictures and the tombs of several of the dukes of Berg, \&c.) ; and the church of the Jesuits, a handsome and richlydecorated structure with two steeples, beneath the main altar of which other sovereigns of Düsseldorf are interred. Besides these there are a synagogue, three nunncries, an orphan and a lunatic asylum, two hospitals, an infirmary, and various schools.

Duisseldorf is the seat of the provincial government and tribunals of justice. A court of assize is held in the town. It has manufactories of woollens, cottons, leather, hats, tobacco, jewellery, mirrors, stockings, \&c., and carries on a considerable trade in cotton, wool, wines and spirits, colonial produce, coals, timber, slates, and other commodities. It has been a free port since 1829. Adjoining the town are the royal gardens and a botanic garden. The growing importance of Düsseldorf as a commercial port is shown by the increase of its imports and exports, which in 1836 were respectively 855,533 cwts. and $113,144 \mathrm{cwts}$; in $1845,1,535,926 \mathrm{cwts}$. and 206,370 owts. A large portion of the imports were for the use of Elberfeld snd other manufacturing towns in the neighbourhood. The establishment of railroads has increased the commercial advantages of the town. Steamers ply regularly up and down the Rhine.

DWINA, or DVINA, a river of Northern Russia, the largest that falls into the White Sea, originates in the confluence of two smaller rivers, the Sukhona and the Jug (Yug), near Veliki-Usstiug, in $60^{\circ} 46^{\prime}$ N. lat., $46^{\circ} 30^{\prime}$ E. long. The Sukhona, a considerable stream, which flows out of Lake Kubinskoi, and runs with a very tortuous chanuel and in a north-easterly direction through the south-western parts of the govcrnment of Vologda, describes a course (along the whole of which it is navigable), of about 285 miles between that lake aud its junction with the Jug. The Jug, flowing down from a morass on the northern range of the Volga Mountains, at the southernmost point of the same government, and in the early part of its course washing the walls of Nikolsk in its progress northward to its confluence with the Sukhona, has a length of about 248 miles. These two rivers unito below Veliki-Usstiug, and the river is thenceforward denominated the Dwina ('double river.') The Dwina flows in a north-westerly direction through the western districts of the governmont of Vologda, becomes navigable before it quits them, traverses the south-westeru part of the government of Archangel, and discharges its waters through five arms below the town of Archangel into the Bay of Dwinskaya, in the White Sea. Its length in a straight line from the coufluence of the Sukhona and the Jug to its mouth is about 312 miles, but, including its windings, it is estimated at about 736 miles. The Dwina is navigable from the close of April to the first week in November for a distauce of about 240 milcs; but owing to shoals at its mouth vessels of moro than 14 feet draught cannot enter it. [ArcrANGEL, vol. i, cols. 439, 442.] It gencrally flows between high banks, and is on an average from 500 to 600 feet in width; at Archangel this width is increased to four miles. Its chief tributaries are, on its right bank, the Vytchegda and the Pinega. The source of the Vytchegda is on the declivity of the Vertshoturi range of the Ural Mountains: this river has numerous bends, and falls into the Dwina in the centro of the government of Vologda, from which point the Dwina becrmes navigable. The whole length of the Vytchegda is not less than 500 miles. The Sysola, which flows northward from the mountains of Viatka, joins the Vytchegda on the left bank at Ust-Sysolsk in the government of Vologda The Pinega rises in the north of the government of Vologda, not far from the right bauk of the Dwina, in about $60^{\circ} 20^{\prime} \mathrm{N}$. lat., and dows in a very tortuous course northward to Pineg, in the government of Archangel. From Pineg the river is navigable, aud lows westward into the Dwina a little above the town of Kholmogory. The length of the Pinega, reckoning all its windings, is little short of 300 milcs. Soon after it has received the Pinega on its right bank, the Dwina forms a number of islands, which extend to its mouth. On its left bank the Dwina receives the Vaga, which is navigable for about 75 miles, and joins the Dwina above Poinskoi, in the government of Archangel, and the Emtsaor Yamza, a river navigable for about 90 miles, which has its confluence with ths Dwina about 36 miles abovo Vilsk in the same government. The tide is perceptible in the Dwina uearly 30 miles above Archangel. The basin of the river occupies an area of about 123,900 square milcs; the bed is generally of clay, covered with a thin layer of sand. The Dwina abounds in fish. [ARCLIANCEL.]

DYLE. [Schelde.]
DYRRACHIUM. [DURazzo.]
DYSART, Fifeshire, Scotland, a royal burgh and sea-port, is situated on the northern shore of the Frith of Forth, about 16 miles N. by E. from Edinburgh, and 14 miles E. from Dunfermline, in $56^{\circ} 7^{\prime} \mathrm{N}$. lat., $3^{\circ} 6^{\prime} \mathrm{W}$. long. Dysart unites with Kirkcaldy, Burntisland, and Kinghorn in returning ono momber to the Imperial Parliament: the
population of the burgh in $1 \$ 51$ was 1610 ; that of the parlinmentary bungh wa s041.

Tho cower of the old alurah of Dyart iestill entira. The town comistur chiefly of three otrecte andi a small uquare. The square cou. tains the publie office The tuwn in lighted and cleansed under golios regulation. Dysart has a small harbour, attaohed to which in a large wet dock. Theides the parish church there are a Free ehurch and a United Presbyterian mecting-houso. A chool-houno has been eroctod by mubecription, aided by a government grant. At Pathliead, a populous village in the neighbourhood of Dymurt, echool has boen
nimilarly erected, and 200 childrom are there alno olothed and educated in an institution, the mnnifioast endowment of Mr. Mhilp, a merchant in Kirkouldy, who len $80,000 \mathrm{l}$ to be deroted to estahlinhing mehools iu Kirkcaldy, Phetshead, Abbotshall, and Kíaghora. At Pathhead are a chapel of ease, Free church, and a Dinsouting chapel. At Dysart is a station of the lidinburgh, Perth, and Dundee railway; and there are packetwomels twice a wook to Leith. The chief manufacture is the minuing of flar aud weaving of clotls. Limestone, mandshone, aud iroustone are quarriod.
(Aive Stativical Account of Scolland.)

## E

EALiNg. [Mmpizaze]
EARLSTON. [Brawichsembe]
F.ASINGTON, Durham, a village, and the seat of a Poor-Law Union is the parish of Eissington, is situated in $54^{\circ} 47^{\prime} \mathrm{N}$. lat., $1^{\circ} 21^{\prime}$ W. long., diatant 10 malles E from Durham, and 263 miles N. hy W. from Londor. The population of the townshlp in 1851 was 916. The living is a rectory in the archdeaconry and diocese of Durham. Fasington Poor-Law Union contains 12 parishes and townships, with an ares of 31,780 acres, and a population in 1851 of 21,480 . The village is rituated ou clevatod ground, about 2 miles from tho sea. The parish church, a lofty structure, chiefly in the early English style, with a Norman tower, erectod upon high ground at the western end of the villnge, is a useful lnndmark for ressels nt sea. There aro placem of worallp for Wesleyan and Primitive Methodista, and a Free achool. The luhahitants aro chiefly employed in the collicries or in agriculture. (Communication from Easingron.)

EASINGWOLD, North liding of Yorkshire, a market-town and tho seat of a Poor Law Unlon, in the parish of Ersingwold, is situated in $54^{\circ} 7^{\prime} \mathrm{N} . \operatorname{lnt}, 1^{\circ} 10^{\prime} \mathrm{W}$. long.; distant 13 miles N . hy W. from York, and 212 miles $\mathfrak{N}$ hy W . from London. Tho population of the townahip in 1951 was 2240 . The living is a vicarage in the archdeaconry of Cleveland and diocene of York. Easingwold Poor-Law Union containe 29 parishes and townships, with an area of 61,459 acres, and a population in 1851 of 10,211 .

The situation of Easingwold, on the line of the great north road, mude it formerly a plece of importance. The market for agricultural produco is atill large. The surrounding district is chiefly agricultural: much hand is occupied for grazing purposes; and a good breed of horses is reared. The parish church overlooks the town, commanding an exteunivc prospect of the Vale of Mowbray and the ancient forest of Galtres. The Primitive and Weslejan Methodists, Independents, and Roman Catholics have places of worship. The Gramnar school, founded $\ln 1784$, has an income from endowment, \&c., of 851 a year, and had 60 scholars in 1851. A county court is held in Ersingwold. Fridny is the market-day: fairs aro held in July and September. There are an irou and hrass foundry, a tan-work, and two ropo-works. In the vicinity are some chalybeate springs.
(Com munication from Easingtcold.)
EAST GHINSTFAD, Susecx, a market-town, and the seat of a PoorLaw Union, in the parish of East Grinstead, is situated in $51^{\circ} \mathrm{r}^{\prime}$ N. lat., $0^{\circ} 1^{\prime}$ W. long. $\mathrm{j}^{\prime}$ distant 22 miles N. hy W. from Lewes, and 28 miles S. by E. from London by road. The population of the parish of Enot Grinsteed in 1851 was 3320 . Tho living is a vicarage in the archdenconry of Lewes and diocese of Chichester. East Grinstead Pour-Law Unlon contains 7 parishes, with an area of 57,015 acres, and a population in 1851 of 13,223.
The town of Fant Grinstead in plensantly situated on an eminence ; it consints chiefly of one street, which is irregularly built. The parish church in aneat atone edifice, with an enbattled tower. Thero are pleces of wonhlp for Baptists, Wesleyan Mrethodists, and the Countess of 1 untingdon'm Connexion. An Endowed achool, founded as a Grunsoar chool in 1780, Is now an English school: the income from endownent is a bout 1 th a yenr; the number of scholars in 1852 was 30. There are a Niational cebool and a sarligg bank. Sackvillo Colloge, a quadraggular atone building, crected in 1616, in an inatitution foundod Ly llobert Farl of Dorset, for agod unmarriod persons of toth soxes, cach of whom has aseparato apartment, and $8 l$ a year. 3lauy of the inhabluants are employed in shoemating and in pensnaking. The market day is Thuraday, and there is atock market on the last Thureday in each month. Fairs are held on April 21at, Jnly 13th, and December 11th. A couuty court is held is the town. Fiant Grinstond was disfranchised hy the Reform Act.
(IIorefield, Suascx: Commurication from Eas Grinatcad.)
FAST INDIES. The portion of the globe to which the name of India, or the liant Indica, in given, is usually understood to comprehend the peninsula of 1 lindustan lying to the eant of the river Indua, aad thence enatwand an far an the looundary of the Chluese cmpire, hy Which onpire and by Tartary, Indin is aloo bounded on the nortli. The Enint Indies include aleo the illands of the Indian Ocemn, which lie betwoun Hindurtan and Aurtralin an far north an the Philippine Islands, and as far eaut as l'apus, but without including either tho

Philippincs or Papua. A general description of the East Indies wlll bo found under the article Hindostan.
EAST PRESTON, Sussex, a village and the seat of a Poor-Law Union, in the parish of East Preston, is sltunted in $50^{\circ} 48^{\prime} \mathrm{N}$. lat., $0^{\circ} 23^{\prime}$ W. long., on the south const, 23 miles W.S.W. from Lewees, 60 miles S.S.W. from London hy road, and 66 miles hy the London, Brigbton, and South Conat railway. The population of the parish in 1851 was 310 . The living is a vlearage annexed to the vicarage of Ferring, in the archdeaconry and diocese of Chichester. East l'reston Poor-Law Union contains 19 parishes and townships, with an area of 29,590 acren, and a population in 1851 of 14,847. Tho propatatiou is wholly agricultural. The parish church conaists of a nave, erected in the 15 th century, nud has a hadsome stone spire. In the village is a National school. (Horsfield, Sussex; Communication from East Preston.)
EAST RETFORD, Nottinghamshire, a municipaland parlinmeutary borough and market-town and the seat of a PoorLaw Uniou, is situated in $53^{\circ} 19^{\prime}$ N. lat., $0^{\circ} 37^{\prime}$ W. long.; distant 38 miles N.N.E. from Nottingham, 141 miles N.N.W. from London by road, nnd 1331 miles by the Great Northern railway. The population of tho borough and parish of Enst Retford in 1851 was 2943 ; that of the parliamentary horough, which includes numerous adjacent parishes and districts, was 46,054 . The living is a vicarage in the archdeaconry of Nottingham and diocese of Lincolu. Liast Retford Poor-Law Union contains 50 parishes and townships, with an area of 83,730 acres, and a population in 1851 of 22,756 . Tho borough is governed by 4 aldermen and 12 councillors, one of whom is mayor; and roturns two memhers to the Imperial Parliament. For manitary purposes the borough of East Retford and the parish of Weat Reetford are each under tho mannagement of a Local Board of Health.
Ensst Retford is seated on the right bank of the river Idle, a feeder of the Trent, on what was formerly the Great North Road. In Domesdny Book it is called Redeford. On the west a handsome stone hridge of five arches connects East Retford with the smaller and more modern town of West Retford. The houses in general are well huilt: the streets are paved, and are well lighted with gas, at the cxpense of the corporation. An extension of the town has of late years taken place on tho south side, and is called South Retford. The town-hall is a handsome buildiag. Tho marlet-place is an irregular quadrangle, affording ample accommodation. In the centro of the market-place is a pillar, crected on tho site of au ancient cross, called the broad stone. The parish church, a spacious and handsome edifice, of various styles, was founded about 1258. It consists of a nare, two nisles, chancel and transept, and has a square tower, 97 feet high. Weat lletford charch is a small huilding, with a to wer and an clegrat crocketed spira. Tho Independents and Wesleyna and Primitive Methodists havo places of worship. There are in Last Retford a Free Grammar school founded hy king 18dward VI., which has an annual income of 4301 .; the number of scholars in 1852 was 22. The affairs of this school are in chancery. In tbe town aro Nintional añá Iufant schools ; a literary and scientific justitution, with a lihrary; and a sarings bank. Thero are almashouses for 18 poor women; Slostick hospital is for 6 poor men. The hospltal of the $1101 y$ Trinity in West Retford, founded ln 1604 by Dr. John Darrell, is for a master and 10 hrcthren. Three coachmaking establishments and two tanneries afford some omployment. There are corn-mills and paper-mills. The canal from Chesterfich to tho Trent at Stock with pauses through the borough: the traffic on the canal is chiefly in corn, coal, \&c. The market, held on Satunday, is well supplied with dairy produco, and in autumn wlth hops, which aro extensively raised in the nelghbourhood: fairs are held on March 23rd, and Octohor 2nd, nad there is ouo great market yearly for liorses, cattle, clicese, and hops. The low level of the town has exposed it to ocensional innndations from tho overflow of the Idle, whell havo sotnetimes dono conalderablo damage.

## (Piercy, Iliztory of Reford; Communication from East Reford.)

EAST STONEHOUSE: [PLINAOUTR.]
EAST WAllD, Wentmereland, the eastern division of the county, gires unme to a Poor-Law Union. The ward contains an area of 157,910 ncres, and a population in 1851 of 13,660 . It is boundod N. by Cumborlaud, N.E. by Durham, and S.E. by Yorkshira. East Ward

Poor-Law Union contains 30 parishes and townships, with an area of 175,400 acres, and a population in 1851 of $13,664$.
EASTBOURNE, Sussex, a village (formerly a market-town) and the seat of a Poor-Law Union, in the parish of Eastbourne, is situated in $50^{\circ} 46^{\prime}$ N. lat., $0^{\circ} 16^{\prime}$ E. long., distant 16 miles S.E. by E. from Lewes, 63 miles S.S.E. from London by road, and 65 miles by the Brighton and South Coast railway. The population of the parish in 1851 was 3133. The living is a vicarage in the archdeaconry of Lewres and diocese of Chichester. Eastbourne Poor-Law Union contains 14 parishes and townships, with an area of 36,373 acres, and a popnlation in 1851 of 8346.

Easthourne is beliered to be the site of the Roman station Portus Anderida Many Roman remains have been found in the neighbourhood. The village consists of three portions: the oldest including the parish church and some old houscs, is farthest inland ; a hamlet, containing a new church, and some good shops, inns, and private residences, is nearer the shore; and close to the beach is a oluster of dwellings known as Sea Houses, to which have been recently added a beautiful esplanade, and many fine mansions. The parish church consists of a nave, with side-aisles, a large chancel, and a lofty antique tower. In the church are some interesting monuments. The new church, a handsome edifice recently enlarged, is near Sea Houses. There are three small places of worship for Dissenters, Nattonal schools, and an Infant school. Eastbourne is much resorted to for sea-bathing. Along the shore of the bay are situated some of the martello towers erected about tho beginning of the present century. There is also a fort capable of accommodating 450 men, and provided with 18 guns-24-and 64 -pounders-and some mortars. At Holywell, near Fastbourne, are chalybeato springs. Some remains exist of a small establishment of Black friars.
(Horsfield, Sussex; Communication from Eastbourne.)
EASTER ISLAND, an island in the eastern part of the Pacific Ocean, more than 2000 miles distant from the west coast of South America, is situated near the point $27^{\circ} 20^{\prime} \mathrm{S}$. lat., and $109^{\circ} 30^{\prime} \mathrm{W}$. long. It is about thirty or forty miles in circuit, with a stony and hilly surface, and an iron-bound shore. The hills rise to the height of about 1200 feet. At the southernmost extremity of the island is an extinct volcano. Lava scems to form the principal component of the hills, which rise gradually and are covered with grass. The island has no safe anchorage, no wood for fuel, no fresh water, and no domestic animals, except a few fowls. The inhahitants, who number abont 2000 , livo on yams, potatoes, and sugar-cane. In physiognomy, language, and manners, they reaemble the inhabitants of the other groups of islands lying farther west. On the island are a number of coloseal statues, some of which are 15 or even 18 feet high; they stand on platforms, which hare been made with a consldcrable degree of art.
EASTHAMPSTEAD, Berkshire, a village and the seat of a PoorLaw Union, in the parish of Easthampstead, is situated in $51^{\circ} 24^{\prime}$ N. Int., $0^{\circ}{ }^{\prime} 5^{\prime}$ W. long. $;$ distant 11 miles E.S.E. from Reading, and 29 miles W.S.W. from Iondon hy road. The population of the parish in 1851 was 698 . The living is a rectory in the archdeaconry of Berks and dioceso of Oxford. Easthampstead Poor-Law Union contains 5 parishes, with an area of 27,600 acres, and a population in 1851 of 6343 . Easthampstead is an agricultural parish.
EASTRY, Kent, a village and the seat of a Poor-Law Union, in the parish of Eastry, is situated in $51^{\circ} 15^{\prime} \mathrm{N}$. lat., $^{\circ} 18^{\prime} \mathrm{E}$. long., distant 10 miles E. by S. from Canterbury, and 65 miles E.S.E. from London. Tho population of the parish of Eastry in 1851 was 1697, including 464 inmates of the Union workhouse. The living is a vicarage, with tho curacy of Worth anncxed, in the archdeaconry and dioceso of area of 45,659 acres, and a population in 1851 of 23,848 . Eastry is quite a rural village, and has no trade of any consequence. The parish church is a large and handsome edifice in tho early English style. The Wesleyan Methodists hare a placo of worship, and there are National schools.
EATON-BRAY. [BEDFORDSHIRE]
EATON-SOCON. [BEDFORDSMRE.]
EBERSBACH. [Lavsitz.]
EBREUIL. [Allier.]
EBRO (the Iberus of the Romans), a river of Spain, rises in Castilla la Vicja, in $43^{\circ} \mathrm{N}$. lat., $4^{\circ} 3^{\prime} \mathrm{W}$. long., and after a course, generally cast-south-east, of about 350 miles, enters the Mediterranean Sea, in $10^{\circ} 42^{\prime} \mathrm{N}$. lat., $0^{\circ} 50^{\prime} \mathrm{E}$. long.
The source of the Ebro is in the modern province of Santander, at a great elevation, on tho side of a ridge which extends from the summit-level of the Cantabrian mountain-chain southward towards tho city of Burgos. The stream flows cast about 10 miles past the small town of Reynosa, and then south about 10 miles more, after which its course is east past Frias, cast-south-east and south-east past Miranda and Ilaro, and east-southeast past Logrono, Calahorra, Tudela, and Zaragoza, till it receives the Guadalope, when it turns to tho north. It theu passes by Mequinenza, where it receives the Segre, and making a semicircular bend to the south-east, passes by Mora, Whence its course is south to Tortosa, and east to tho Meditcrranean. The main stream enters the sea opposite the island of Buda, but two branches have previously separated from it, one of which fows north
into the Gulf of Amposta, and the other south into the Gulf of Alfaques.
With the exception of the marshy land at the mouth of the river, and the level tract between Zaragoza and Mequinenza, the course of the Ehro is generally through narrow and occasionally rocky valleys. Shoals and rapids interrupt the navigation, but a canal has been constructed which extends from near Tudela to about 40 miles helow Zaragoza. It runs parallel to the south bank, and is to be extended to Tortosa when funds have been provided.
In passing through Castilla la Vieja the Ehro receives the Nebo on the northern bank, and the Oca, the Teron, and the Oja, on the southern bank. In crossing Navarra it receives the river Aragou. The principal afluents which enter it in the province of Aragon aro described in the article Aragon.
EBSAMBUL. [Abousambul.]
ECBA"TANA, (Eкßditava), the ancient capital of Mcdia, founded by Deioces. (Herod. i. 98.) The genuine orthography of tho word appears to be Agbátana ('A ${ }^{\text {Bditava: }}$ see Steph. Byzant. v. 'A Ahárava), as it is now written in the text of Herodotus, and as we are informed by Stephanus it was written by Ctesias. It appears in the 'Itinerary' of Isidore of Charax under the form of Apobatana. In the Book of Judith ( $\mathrm{c} . \mathrm{i}$.) is a curious account of the huilding of Ecbatana, and of the enormous strength of its walls and fortifications.

Ecbatana was situated, according to the testimony of ancieut writers, in a plain at the foot of a lofty mountain called Orontes. According to an ancient popular tradition Ecbatana was founded by Semiramis (Diod. ii. 13), but Herodotus ascribes to it a later origin. Herodotus, who had prohably seen the place, deseribes it as built on a conical kind of hill, and consisting of seven circular inclosures or walls, one within another, each wall being higher than that which surrounded it, and the innermost wall, which surrounded the palace, of course tho highest of all. Ecbatana being a high and mountainous country was a favourite residcuce of the Persian kings during summer, when the heat at Susa was almost insupportable. The city, according to Polybius, was not only of vast strength hut of extraordinary splendour: the royal palace, in particular, was of tho richest materials and workmanship; the only wood used in it was cedar and cypress, and it was wholly covered with plates of gold and silver; most of these plates were, he says, carried off by the soldiers of Alcxander, Antigonus, and Seleucus. Ecbntana was tho scene of the great events which marked the childhood of Cyrus ; and it was at Echatana that Alexander:s favourite, Hephæstion, died; and Alexander is said to have destroyed the celebrated temple of Asculapius there in grief for him.
The site of Ecbatana has been a matter of dispute; hut the best recent geographers have generally agreed in placing it on the site of the modern Hamadan. The route of commerce between the low conntry in the neighbourhood of the ancient Seleuceia and the modern Baghdad and the high table-land of Iran is determined by the physical character of the country, and has continued the same from the earliest recorded history of those countries to the present day. The places marked in the 'Itinerary' of Isidore as lying between Seleuceia and Echatana are the places indicated by modern travellers as lying on the route between Baghdad and Hamadan. This question is fully discnssed in No. 4 of the 'Journal of Educatiou,' and in Thirlivall's 'History of Greoce,' v. ii., A pp. 2.
Recently indced a modification of the receired view has been advanced hy Colonel Rawlinson, and supported by him with such a well-digestcd array of evidence as to command respectful attention, apart from the authority of his high reputation. He believas that there were two independent Median capitals uamed Ecbatana; tho one in the lower country (Media Magna), which occupied the site of Hamadan ; the other in the mountainous country of Upper Media, or Atropatene, the site of which is now marked by the ruins of Takht-ic Soleiman, in the province of Azerbáijan ( $36^{\circ} 25^{\prime} \mathrm{N}$. lat., $47^{\circ} 10^{\prime}$ W. long.). This theory is shown to receive much corroboration from various passages in ancient and medirval, as well as oriental writers, and a careful examination of the country itself. We can here only refer tho reader to the evidence so ably adduced in the 'Journal of the Royal Geographical Society,' vol. x. p. 125, \&c. The title merely signified a treasure city, and the above two Median capitals were uot, the only places which were called Ecbatana. ('Geographical Journal,' xi. 31.) It was in a city of the same name in Syria of uncertain position (Herod. iii. 64) that Cambyses died.

Hamadan, which is on ornear the site of the Ecbatana of Media Magna, is near the parallel of $35^{\circ} \mathrm{N}$. lat. and in $48^{\circ}$ E. long., in a low plain at the foot of Mount Elwund, a mountain which belongs to the chain which forms the last step in the ascent from tho lowlands of 1rak Arabi to the high table-land of Iran. [AsIA, vol. i, col. 582.] "During eight months in the year tho climate of Hamadan is delightful; but in winter the cold is excessive, and fuel with difficulty procured. Tho plain is intersected by innumerable little streams, covered with gardens and villages, and tho vegetation is the most luxurious I ever beheld." (Kinneir's 'Persia,' p. 126.) Kinneir eays that tho summit of Elwund is tipped with continual snow, and seldom ohscured by clouds Hamadan is said to contain about 10,000 inhabitants, a large manufacture of leather, and also a considerable trade, owing to its position on the high road from Baghdad to Tehran aud Ispahan.
ECCLES. [Lancashme.]

FCCLFSALL BIFRLOW, Weet liding of Yorkhire, a vilage and the seat of a Poor-Law Union, in the parish of Sheffeld, in siturted elose to the conthern boundnry of Yorkebire, in $53^{\circ} 21^{\prime} \mathrm{N} . \operatorname{lnt}, 1^{\circ} 31^{\prime}$ W. long. ; distant 54 miles 15 .S.W. from York, and 162 miles N.N.W. from London. The population of the townhtip of Fecleanl! Bierlow, Which includes 26 bamleth, was 24,552 in 1851. Ecelesall Bierlow Poorkaw Union contains 7 parishes and townehipm, with an nrea of 26,850 acres, a ad a population in 1851 of 37,911 . The inhabitants of tho township are chiolly occupied in the samo manufactures as are carried on in Shoffield, of whisb borough and parish the township forms an important constituent part The Wealegan Methodist institntion called Wesley Colloge, founded in 1838, which stands within the townsbip, had 150 students in 1853.
FCCLESHALL. [Staffordmate]
RCIJA. [SEMLA, ]
ECKMOHL, a small village in Bavaria, situated on the Laber, in $45^{\circ} 4 i^{\prime} N^{\circ}$. lat, $12^{\circ} 3^{\prime}$ E. long., owes its celehrity to the signal rictory which the French and Bararinns, under the emperor Napoleon I., gaiued arer the Austrians, commandod hy tho archduko Charles, April 22, 1S09. In tentimony of the skill and Intrepidity which Marshal Davoust displayed on this occasion Napoleon conferred the title of Princo of Fickmühl upon him.
FCUADOR, a republic of Sonth America, extends from north to mouth between $1^{\circ} 40^{\prime} \mathrm{N}$. lat. and $5^{\circ} 50^{\circ} \mathrm{S}$. lat, and betwoen $70^{\circ} 20^{\circ}$ and $80^{\circ} \mathrm{W}$. long. It is bounded N. by the repuhlic of New Granada; E. by the empire of Brazil, S. by the republic of Pern, and W. by the Pacifio Ocenn. Tho area may be vaguely estimated at about 300,000 square miles; the population at about 665,000 .
Coast-dine, Surface, de.- The southern boundary of the coast of Ecuador is the Punta de Malpello, $3^{\circ} 30^{\prime} \mathrm{S}$. lat., the termination of the left bank of the river Tumber, which from the Andes to the Pacifio is regarded as the boundary between the repuhligs of Ecuador and Peru. From this point to Point Mangles, $1^{\circ} 35^{\prime} \mathrm{N}$. lath, at the mouth of the Mirn River, the boundary on the Pacifio between the republica of Eecuilor and Now Granada, the coast bas a broken conver line, with a general bearing towards tho north-east. Punta de Malpello forms the southern extremity of the Qulf of Guayaquil; from it to Punta de Carnero the northern extremity of the gulf is about 70 miles. At tho mouth of the Guayaquil River is the large inland of Puna, and several smaller islands and sand-banks lic in the chaonol of the zestuary, but tho river is navigahle for ressels of considerablo hurden up to Guayaquil, the principal port town of the repohlic. From Punta Carnero to Punta Santa Elena, about 14 miles, the coast bears north-west, it then curves round to the cast and north, and forms the wide open bay of Santa Elcna, in which there is good anchorago in three and a half fathome water. As the const bears round towards Cabo San Lorenzo there are several small islands and rocks off the shore, and one, La Plata Island, of somewhat larger size n few miles north from it. From San Matheo Point, a fow miles north from Cabo San Loranzo, tho const again makes a bold sweep round to Cape Passado and forms the largo open Bahia Mauta, near the centre of which is tho smaller bay of Caraccas, formed hy the zatuary of the river of the same namc. From Cape Passado to Galers Point the general bearing of the coast is north-north-cast, and like the entire const from lunta Santa Elena it is bold and rocky, lofty hills and low mountains, the lower spurs of the Andes, rising to heights varying from 500 to 1500 fect. From Galern Point the coast bears away cast-north-east to the mouth of the Matage River, whence it turns northward and forms Sardiuns Bay; Joint Mangles, the northern extremity of this bas, is the boundary ou the Pacific of the territory of Reuador. Along tho const there are no large towns; and the fow small harbours which it affords are only visited hy small coasting-vesuels.
Abont one-thind of the surface of the country in mountainous. Ecuador coutains almost tho whole of the Equatorial Andes and the hilly country between them and the Pacific. The Andes enter tho country between the Bay of Guayaquil and San Jaen de Bracamorob, and thence run in a northern and north-eastern direction to the northern boundary. This chain forms in the southern and northern extremity two large enountain-knote, that of Loja, between $5^{\circ} 30^{\circ}$ and $3^{\circ} 15^{\prime} \mathrm{S}$. Int., and that of Los Pastos between $20^{\prime}$ and $1^{\circ} 13^{\circ}$ N . Int. The firnt occupies, according to Humboldt, 11,650 square sailet, and the second 8700 square miles. Between theso two mountain-knote the Anden form au onormous mass of rocks, covering in width an extent of 70 or 80 milea. Both declivities are rather steep, but especinlly that toward the castern plains. On both elgea of thin inass are lofty ranges running parallel to one another, and crowned hy numerous nummites, weveral of which riso above tho line of perpotusl nnow. The highent ridgen of thoso ranges may be about 50 miles distant from ono another; and between them extends a longitudinal valley, which menarures from 15 to 20 milos acrons, and oxtende nearly 500 milles in length. At two points trannverse ridges unito the two ragen, and thus the great valley is divided into three smaller valleys. The mont nouthern of theso villeys, that of Cuencra, extonds from $3^{\circ} 15^{\circ}$ to $2^{\circ} 27^{\prime} \mathrm{S}$. lat., with a mean elovation above the sea of about 7800 foet Ite watern join the Kio do San Jago, a tributary of the Amazons. The muminite of the ranges which surround it rise only to about 10,000 feet and nowhere attalin the snow-line,
exeept the rango of $\Lambda$ swuny ( $2^{\circ} 27^{\prime}$ to $2^{\circ} 30^{\circ} \mathrm{S}$. lat.), which separates the valley of Cuenge from that of Alnusi aud Amhato, the great road over which rises near the Ladera do Cadlud to 15,520 foet. T'o the north of thin transverse ridgo extends the valley of Alausi and Ambato from $2^{\circ} 27^{\prime}$ to $0^{\circ} 40^{\prime} \mathrm{S}$. lat. Its nurface is about 8000 feet above the sea. Its waters run off to the Maroan and Jastaza, two trihutaries of the Ainazouas. On the range east of this valley are tho volcanoes of Sangay 16,827 feet, Tunguragua 15,960 feet, Cotopaxi 18,8\%5 feet, and Carguairazo 10,663 feek A short distance south of Carguairnzo is the lofy Chimborazo, the highest summit of the Equatorial Andes, being 21,242 feet above the sea. The transrerse ridge which separaten the valley of Alausi aud Ambato from that of Quito is callecl the Alto do Chisincho. It is only about 500 foet above the plains contiguous to it on the northern wide, and is of inconsiderable width. At its western extremity stands the Volcauo of Cotopaxi, and at its eastern the Yliniza, which risen to 17,376 feet. This Alto de Chisinche forms the watershed betwoen the Pacifio and Atlantio seas. The valley of Quito extends from $40^{\circ} \mathrm{S}$. lat. to $20^{\circ} \mathrm{N}$. lat. to the mountain-knot of Los Pastos; and bas a menn elevation abovo the sea of about 9600 feot. Its waters run off by the Rio Pita, which joins the Rio de las lismeraldas, and thus flows into tho Pacific. Ou the range standing east of this walley are the Volcano de Antisaua 19,137 feet high, and the Cayambe Ureu on the equator 10,534 feet high. On the western rango are the Volcano de Pichincha 15,930 feet high, and the Cotweache which rises to 16,448 feet. On the mountain-knot De los Pastos aro several volcanoes, as those of Chumbal 16,824 feet, Chiles and Pasto 13,740 feet; this last, which gives its name to the group, is however just beyond the northern limits of Ecuador. The elevated plains which are inhahited on that mountain region are 10,240 feet above the sea.
The country between the Andes and the Pacifio is filled up with mountains of various elevations, which towards the shores luostly sink down to hills. The shores themselves are high, but not of great elevatiou, except in a fow places, as at Capo San Lorenzo. The country along the Mio de Cuayaquil forms an exception. Here a plain extends several miles in width, and is so low that part of it is covered hy the inundations of the river in the raiuy season, aud part has been changed into a swamp. Aloug this valley are exteusive plantations of cacao.
The great plain east of the Andes is partly wooded and partly a savannah; hut in its present state it is of little importance, being only inhabited by the natives. The northeastern portion of it is said to be occupied by a part of the low monutain range called by Humboldt the Sierra Tunuhy. Numerous lakes and staguant pooln occur in the great plain.

Jydrography, Communications, dec.-The principal river of Ecuador is the Amazonas, which is here called Maranon, and sometimes Tunguragua. Where it leaves Peru, and begins to form the boundaryline between the two republica, coumence the series of cataracts and rapids with which it issues from the Andes. Near Sau Jnen de Bracainoros is the Pougo de Rentema, where tho river, according to Mumholdt, is only 1232 feet ahovo the level of the sea, Lower dowu hetween Santiago de las Montañas and Borja, is the rapid or Pongo of Manseriche, where the river is narrowed to about 150 feet, and for about 7 miles rushes down with incredible velocity. Below this Pongo the Amazonas becomes navigablo, and continues so to its mouth. [Amazonas] Within the houndary of Ecuador, the A mazouas receives the Marona, Pastaza, Tigre, and Napo, which descend from the easteru declivities of the Andes. The Putumayo aud the Yapura, which descend from the same range and in the same direction, fall into the Amazouas withiu Brazil. The rivers which descend fron the western side of the Andes aro numerous, havo a comparatively short course, and aro of little importance. The most remarkable are the Rio do Ias Patias, Rio de las Esmeraldas, the Kio Santingo, tho Rio Mira, and the Rio do Guayaquil; all of thesc are navigahlo by boats, but the Guayaquil is the only one navigated by largo vessels.
The Guayaquil is formed by the union of uumerous streams which issuo from the wostern slopes of the Andes. It hecomes availahle for commercial purposes at Bahahoyo, or Caracol, about 70 or $\$ 0$ miles from its mouth, river boats ascending to one or other of these places nccording to the season: ships of considerable burden can nsecend at full tide up to the town of Quayaquil. Here the river has leen swelled by the junction of its principal afluents, the Daili and the Babo, and has increased to a great size. Opposite tho city of Cuanyaquil it is 2 miles acrose, and it continues to expand largely to its mouth. Below Guayaquil tho channel is impeded by numerous rocks and small islands. At its mouth in the larger island of Puna. Where the river falls lnto the Pacific it is known as the Qulf of Guayaquil, the oxtreme points of which, as already notiecd, are 70 miles apmart.
All the inaritimo commerce of Fcuador is concentrated in that of Quayaquil, from whiclis town there is a road to Quito, minuing first along tho hauks of the Rio de Guayaquil to Caracol, and then for some iniles through a low and level country. It then begins to ascend the western declivity of the Andes, and betwecu Caluma and Guaranda the ascent is extremely steep. From Guaranda it runs over tho plain to Ambato, and thence to Quito. Tho great road which connects New Granada and I'cru suns through the ligh valleys of licundor.

It leads from Almaguer in New Granada over the Píramo de Puruguay ( 9408 feet above the sea) to Pasto ( 8578 feet), and hence over the Páramo de Boliche ( 11,504 feet), and the Alto de Pucara ( 10,400 feet) to Iharra (7368 feet), and Quito (9536 feet). In the Alto de Chisinche it attains an elevation of about 10,000 feet. Hence it traverses Ambato ( 8864 feet), Riohamba Nueva ( 9472 feet), and Alausi ( 7984 feet ), and attains on the Páramo de Assuay 15,536 feet. In passing this range many lives are annually lost. From Cuença ( 8640 feet) it runs over the Alto de Pulla ( 10,000 feet) to Loja ( 6768 feet), and hence to Ayavaca ( 8992 feet) in Peru. From the latter place it proceeds to Truxillo and Lima. Formerly European commodities were imported into Ecuador by this road from New Granada, hut nearly the whole country now receives them from Guayaquil.

Climate, Soil, Productions.-The temperature of course differs considerably in the elevated valleys which are surrounded by the high peaks of the Andes, and in the low countries on hoth sides of the range. In the valley of Quito the scasons are scarcely perceptible. Tho mean temperaturo of the day, all the year round, is hetween $60^{\circ}$ and $67^{\circ}$, and that of the night between $48^{\circ}$ and $52^{\circ}$ of Fahrenheit. The winds, which are generally either from the north or the south, hlow continually, but never with great violence. During the morning, till one or two o'clock, the sky is cerene and clear ; but after this hour vapours begin to rise, and the whole sky is gradually covered with black clouds, which often bring on dreadful tempests of thunder and lightning, followed by torrents of rain. At sunset the weather generally clears up, aud the nights are as serene as the morninga. The rains sometimes cortinue all night, and occasionally, though rarely, three or four days in succession. At other times a few fine days occur without rain. The interval between September and May is called the winter, and the remainder of the year the summer. Tho winter is only distinguished hy a somewhat greater quantity of rain, and the summer by a greater number of fine days. These valleys are suhject to frequent earthquakes, some of which have been very destructive. At Guayaquil and on the other valleys along the coast the mean temperature of the year varies hetween $78^{\circ}$ and $82^{\circ}$. From December to April the heat rises to $95^{\circ}$; during these months raiu falls with hut short interruptions, and violent tempests frequently occur. The great plain extending along the Rio Amazonas and its numerous trihutaries has a hot climate. The mean temperature prohahly does not fall short of hetween $75^{\circ}$ and $85^{\circ}$, and the heat sometimes rises to $95^{\circ}$ and more. But every day at two o'clock a wind begins to blow from the east with great force and continues to snuset. Near the hase of the Andes rain falls nearly every day, generally after noon, when the wind commences.

Agriculture varies with the elevation of the cultivated land ahove the level of the sea. Near the snow-line, which in this part of the Andes occurs at the height of 15,750 feet, the vegetation of the I'aramos (flat tracts on the summit of the range, from 11,000 to 14,000 feet ahove tho sea) is extremely scanty, consisting only of two or three species of plants. Districts liko the plains in the mountainknot of Pastos, situated at an elevation of 10,000 feet, are covered with grass, and afford good sheep-walks. The culture of European cereals and fruits prevails between 10,000 and 4000 feet, especially in the great valley of the Andes, where excellent wheat is raised, with barley and Indian corn. Lucern is also extensively grown as fodder for beasts of hurden. In those parts of the country which do not cxceed 4000 feet in elevation the vegetahles cultivated for food are chiefly sweet potatoes, mandioc, yams, aud hananas, with rice, Indian corn, and some leguminous plants. The most common fruit-trees aro cherimoycrs, pine-apples, papayas, and anouas. In some of the valleys are extensive plantations of sugar-cane, cotton, tohacco, and cocoa. Tho wide valley of the Guayaquil is especially fertilc: the soil consists of alluvium; and there are few spots even between the tropics which for richness and vigour of vegetation can vie with this wide valley. It is covered with groves of every kind of intertropical fruits; only a comparatively small quantity of sugar is produced, but an immense quantity of cocoa of very fine quality is grown, and is exported to all the countries bordering on the Pacific. Among the forest-trees is that which gives the cinchona bark. This tree is most frequent on the heights of the mountain-knot of Loja, where it grows on the eastern declivities at an elevation of 6000 or 8000 feet ahove the level of the sea

Sbeep and cattle are reared in great numbers, the former especially in the valleys of the Andes, and on tho higher declivities of the mountains. Horses, asses, and mules are sufficiently numerous to bo articles of export. In some districts, especially in the valleys along the coast, a considerahle quantity of wax is collected; and still higher up are somo spots where the cochineal insect is reared. Along the Amazonas turtles are numerous, and their fat, called 'manteca,' furnishes a considerahlo article of trade. Fishing is carried on to some extent on the coast, and a good deal of salt-fish is prepared. Along the coast a murex is found, which yields a juice used in dyeing purple.

Ecuador is less rich in tho precious metals than the other countries of South America which comprehend a portion of the Andes. There are several mine of gold and silver, and a few are atill worked; but the annual produce is not considerahle. Lead and quicksilver occur
in some places, and in others sulphur is prepared in consilerablo quantity. Salt is obtained from sea-water along the coast.

Formerly the manufactures of Ecuador were more considerable than those of any other conntry in South America. They are chiefly of coarse woollen and cotton goods; but have diminished greatly in amount of late years in consequence of the preference given to articles of English manufacture. Lace of a good kind is mado in Quito. Various articles of home consumption are made, but there is no other important branch of industry.

The commerce, as already mentioned, is almost wholly carried on at Guayaquil. The goods exported are the raw produce of the country, and vary very greatly in quantity in different years. Of cotton the average annual quantity exported may be about $150,000 \mathrm{lbs}$; of cocoa ahout from $10,000,000$ to $12,000,000 \mathrm{lbs}$; sugar and tobacco are also exported to some extent. Of the imports we have no recent reliahle accounts. The imports into Eeuador from Great Britain in 1851 were valned at 54,099 .

Inhabitants.-The population of Ecuador is composed of the descendants of Spaniards and of the aborigines. The ahorigines are helieved to constitute about thrce-fourths of the population. Those Indiaus who iuhahit the elevated valleys belong to the race of the Peruvians, and speak the Quichua language. T'hey are mostly agriculturists, and cultivate their lands with much care; they also make coarse stuffs of wool and cotton. The Indians who inhabit the eastern plain are much lower in civilisation. They cultivate only small pieces of ground, and apply themselves almost exclusively to fishing and hunting. The Jesuits and the monks who succeeded them had made some progress in bringing them over to a kind of Christianity and civilisation; hut the political events which have takeu place since 1812 have driven the monks out of the country, all the 'missiones' are in ruins, and the Indians have returned to their wild life in the forests. Three-fourths of the population dwell in the elevated valleys of the Andes.

Political Divisions, Towns, dec.-The republic of Ecuador is divided into three departmeuts, Quito, Guayaquil, and Assuay. The population of the towns in the following notice of these departments is given according to the latest estimates, hut these estimates are very vague, and the nurnbers are probahly excessive, except when they are intended to include the surrounding district.

1. The department of Quito extends along the coast from the mouth of the Rio Mira fo Cape Passado, and comprehends the two valleys of Quito and of Alausi and Ambato; to which is added a portion of the eastern plains along the upper courses of the rivers Putumayo, Napo, and Pastaza. In the elevated valleys in several places are the ruins of ancient palaces of the Incas, and in many districts there are traces of the great road which in the time of the Incas led from Quito to the southern extremity of the valley of Titicaca (from the equator to $20^{\circ} \mathrm{S}$. lat.). Its principal wealth consists in its extensive coru-fields, and its numerous herds of sheep, cattle, asses, and mules; it has also a few miues of silver and gold. The capital of the republic and of the department, is Quito. North of this place lies San Miguel de lbarra, or hriefly Ibarra, a well-built towu, with ahout 10,000 inhahitauts, situated at the foot of the Volcano of Imbabura. A good deal of grain is grown in the neighbourhood; and there are some manufactures of wool and cotton. Not far from it is Oavalo; it has more considcrable manufactures of wool and cotton, and is said to contain 20,000 iuhabitants. On the coast are the harbours of Esmeraldas, Atacames, and Caroudelet, but they are not visited by foreign vessels. South of Quito is Tacunga, or Lactacunga, which, between 1698 and 1797, was four times destroyed by earthquakes; it stands at the foot of the easteru ridge of Andes, 9254 feet above the sea, and contains 5000 inhahitants. Riobamba was entirely destroyed in 1797. Tho new town which was huilt 4 or 5 miles farther sonth, is said to contain 15,000 inhabitants, and is the capital of the province of Chimborazo. Iu its neighbourhood, at Tescan, great quantities of hrimstone are madc. Ambato, or Mambato, north-east of Mount Chimborazo, with 10,000 inhahitants, and Gruaranda, south of the same mountain, have some commerce, owing to their situation on the road between Guayaquil and Quito. The missioues in the eastern plain have almost entirely disappeared.
2. The department of Guayaquil comprehends the coast hetween Cape Passado and a short distance from the houndary-line of Peru, and extends inland to the upper declivity of the Andes. Its commercial wealth consists in its tropical productions, especially in cocoa, of which there are extensive plantations. Guayaquil, the capital of the department and the chief commercial town of the republic, population about 25,000 , is situated in $2^{\circ} 12^{\prime} \mathrm{S}$. lat., $79^{\circ} 39^{\prime} \mathrm{W}$. long., on the right hank of the river Guayaquil, which is about 2 miles wido opposite the town. Vessels of considerahle hurden can sail up to the town, as the tide at full and change rises 24 feet. Tho town itself is divided into the old and new town-La Ciudarl Vieja and La Ciudad Nueva. The old town, which is higher up the river, is entirely inhahited by the poorer classes. It is intersected by narrow creeks, which are full at high-water, hut at half ehb the mud is uncovered and exhales the most noisome aud pestilential effluvia, especially in hot weather. Tho new town though exempt from this nuisance, is scarcely more healthy. It occupies a low perfectly level site, which

In no druinage, and its streets during the rainy eonson (from Deoember to April) are converted into quagmires. There is also a marah at the bnck of the city: circumatances uken togethar amply suffeient to acoount for the maligmant fover which so often prevail in Gusyequil. The whole town axtends abont $\&$ mile along the river, but ite width is inoonsiderable. The houses oxcept in tha priseipal street, called the Calla da Comercio, have commonly only one story, and the framawork is male of timber. None of tha publio builainge are distinguinhed by architectural beautr. As the tides rise so high, the water far above tha town is brackinh and unft for drinking. Several largo bulens are conctantly amployed to bring freeh water down the river from a dintant place Many families live entiroly on board of balzas in the river Quagaquil. Tha commerce of the aity in of conviderable importance. liuropean goods are imported Into Geaymuil in conaiderable quantitien, and sent up the river to Babayhoyu or Caracol, whence they are carried on the backs of mules to the valler" of Ambato and Quito. Almost the whole of the mative products are exported from Guayaquil. From 130 to 200 shipsenter and lenvo the port anmunlly. Some ships are built here. Quayaquil is subject to frequent visitations of terrific earthquakea Mount Chimborazo, as well us tha Volcano of Cotopaxi, is visiblo from tha town in clear weather. On tho banke of the Rio de Guayaquil aro Babaghoyo and Caracol, which are situnted at the points where the river ceases to be navignblo at different scusons, and consequeutly on that account arv used as commercial dopota. Puerto Veje, a small place, is the aapital of the provinco of Manabi; its harbour is at Manta. Another harbour in at Punta de Santa Elena, where mueh malt is zade. The island of Puna, in the Bay of Guaynqnil, has an area of more than 200 square miles. At the arrival of the Spaniands it is anid to have had a population of 20,000 , but it is now only inhabited by a few fishermen. To this department bolong the Galaprgos Islands. [Galapacos]
3. The departmeut of Assuay derires ita name from the mountain ridgo which divides the valley of Alanni from that of Cuonça. It comprebende tho last-named valley, the mountain knot of Loja, and a faw miles of mer-coast along the Gulf of Guayaquil, contiguous to tha boundary of Porn, with by far tha greatent part of the eastern plaina. Iu a few places ruina of anciout temples aud palaces occur. Cinchona-bark forms its principal article of exportation. This department contains many herds of sheep and cattle, and the valley of Cuenga produces grain in abundance. Some silver mines oceur, but few if any are now worked. Tho capital is Cuenca, 8640 fect abore the sea, a large but meauly-built town, with 20,000 inhabitants, and some trade in cheena and rural produce. It has a univeraity; and coma institutions for education have been established. At Asognes are mines of quicknilver. Loja, population about 10,000 , in a ralley 6768 fcet above tho sea, has some fine charches, and trades extenaively in cinchona-bark. Zaruma, on the western declivity of the Andes, population 6000 , is the capitnl of the mining district ; both gold and silver mines are, in the neighbourhood. The port of Tumber, in the Gulf of Cunyaquil, is the place where Pizarro mado his descent on the Penivian const; in itis neighbourhood aro some minen. Nan Jaen de Bracamores, uear the left bank of the Marafion, has 3000 inhabitante. Borja, in amall place, where the l'ongo de Manseriehe terminates.

Hixory, Gowernment.- Ecuador mas discorered 'by Pizarro in 1526 ; and came into the hards of the Spaniards at the downfall of the cmpire of the Inces It remained a Spanish possession until 1812, when the inhabitants rome in insurrectiou and made a determined offert to throw off the Spaniah yoke. Quito was then a part of the vice-roynlty of Naw Granada, and it participated fully in the frequent ricissitudes of tha war, which ended in 1523 witls the complete expulsion of the Spaniands. By the convention of Cueuta in 1821 New Granada and Vanezuels nnited and formed one republic under the name of Colombia, but this union lmsted only till 1831 , when these countries again separated. Ficuador, or the ancient kingdom of Quito, whe them alno separatod from New Granada, and aince that time has oxinted as an independent statc. Ecuador declared itwelf an independent republic, and entablished a conntitution, accordiug ta which it is governed by a president clected for eight years, a vice-preaident, council of state, and a house of reprepentatives consisting of one nember for every 40,000 inhabitnnte. Tho Roman Catholic is the etablined religion: the chnreh is premided over by the Archbishop of Quito and tha Bthop of Guayaquil.
(la Condamine ; Ullow; Ilumboldt; Caldas, in Mollien'n Trarels; Captain B. Hall; Ocographied Jowrnal ; Admirally Chart; Parliamentary Papera)

FDDYSTONF or EDYSTONE: LIGHTHOUSE If constructed on the sloping sida of a rock which bears from My nouth south by west, and from tha Ram Head south half a point enst. It ls distant from the nachoring in the Sonand 4 leaguen, and, from Ram llead about 31 leagues. Tha lsle of Mayntone bears from the lighthouso about northeast by north, 4 leagues dimtent. All tho rocks wear the light house are on the cant wide, atretching to the north and mouth, aud they aro all covered at high water; fut on the went nide any ship may mil cloe by the houpa in 12 or 18 fnthoma water, and thero are no hidden rocks. About a quarter of a mile cast by north from the hous there is a rock which never appeas but at lownpring tidew.

The first lighthouse built on the Eddystone rock was constructod by Mr. Wiastanlay, a gentleunan of Eseex, who was a inan of a mechanical turn. Ilis work was begun in 1696 , and complated in four years The base wan of ntone, tha remainder was of wood. While some repairs woro making under his inspoction tho building was blowin down in a terrible harrionne during the night of the 26th of Noveurber 170s, and he and hin workmen perishod. Not a vestige, oxcept some Inon stancheons and a ohain, was laft behind. In 1706 an act was paswed for rebuilding tha lighthouse, and Mr. IRndyord, a silk-mercer, was employed by the lemee of tha lighthouse to construet a now building, also of wood on a stone base. Mr. Smeatom was of opinion that Rudyerd directed the performance of his work in a masterly manner, and so as perfoctly to anawer the end for which it wan inteuded, until it was destroyed by fire in 1755.

The prement edifice is a circular tower of stane swreeping np with a gentla curve from the brse, and gradually diminishing to the top, somewhat aimilar to the swelling of the trunk of a tree. The upper extremity is finishad with a kind of cornice, and in surmounted withs a lantern, laving a gallery round it with an iron balustrade. The tower in furnished with a door and windows, and a staircane aud ladders for ascouding to the lantern through the apartments for thoso who keop watch. Mr. Smeaton uudertook the task of constructing the lighthouse in 1756 , and completed it in less than four years.
The materials enployed in building the tower are moor-stone, a hard species of grauite, and Porthad-stone. The stones for the several courses were rough-worked at the quarrics. Six foundation courses dovetniled togather were raised on the lower part of the rock which brought the wholo to a solid level mass. Theso courses, with eight others raised above them, form the solid bed of the work, and take the form of the swelliug trunk of a tree at its base. The general weight of tha stones employad is from a ton to two tons. In the solid work the centre stoues were fixed first, and all the courses wero fitted on a platform and accurately adjusted bofore they were removed to the rock.
The base of the tower is about 26 feet 9 inches in diameter, taken at the highest part of the rock. The diameter at the top of the solirl masonry is about 19 feot 9 inches, aud tho height of the solid inasomry is 18 feet from the foundation. The beight of the tower from thu centre is 61 feet 7 inches; the lantern, the base of which is stone, is 24 feet; and the diameter of the tower below the cornice is 15 feet. The whole height is therefore 85 feet 7 inches, according to the scalo given by Smeaton to his drawings. The upper part of the buildiug, construeted of wood, was burnt in 1750, and renewed in 1774. Tho building has stood every ntorm unshaken.
(Winstanley, Lighehouse; Smeaton, Narrative.)
EDFN, RIVEIL [Cumberland.]
EDIENBRIDGE. [Kent.]
I:DliNDElKRY, King's county, Leinster, lreland, a uarket-town and the sent of a Poor-Law Union in the parish of Monasteroris, is situnted in $53^{\circ} 18^{\circ} \mathrm{N}$. lat., $7^{\circ} 2^{\prime} \mathrm{W}$. long., distant 35 miles W . by S . from Dublin. The population in 1851 was 1804 , besides 1023 in the Uniou workhousc. Edeuderry Poor-Law Union comprises 29 electoral divisions, with an area of 172,407 acres, and a population in 1851 of 29,791 . The town is situated at the north-castern extremity of the bog of Allen. It has been much improved by the Marquis of Downshire, on whose cstate it stands ; and is now a clenn, neat, and mener prosperous town. The church stands on the summit of a hill 318 feet high which aljoins the town, and commands an extensive view of the surroundiug country; on the same hill aro also the ruins of nn ancient castle. The other public bnildings are a Roman Catholic chapel, a Quakers mecting-house, the town-hall, a market-house, and the Uuion workhonse. The principal trade is in corn, of which large quantitien are sold at the weekly markcts. The Grand Causl pasaca within a mile of Edenderry, aud a branch has been brought into tho town. Fnirs aro held in March, Junc, and November.
(Fraser, IIandbook of Ircland; Thom, Iriah Almanac.)
EDENSOR. [DERMTsMIRR.]
EDESSA. [ORFA.]
EDFU, a villago of Upper Egypt, on the left bank of the Nile, in $25^{\circ} \mathrm{N}$. lat., romarkable for its two temples, tho larger of which is oue of the finest and best prescrved in Fgypt, though much encumbered with and and rubbish, and with the huts of the luhabitanta, who have built their village around and on the top of it. The outward secess to the larger temple, which was dediented to Noum, or Kneph, is by a gateway 60 feet high, between two cuormous propjla, or truzcated pyramidn, 104 feet long, 37 feet wide at the base, and 114 feet high. At the sunmit the horizontal section is 84 fect by 20. On the front of these moles immense figures are sculptured in a masterly style. A court is then entered 161 feet long, and 140 feet wide, surrounded with walls, on each side of which there is a row of pillar: placed at some distance from the side wall, the apace between the pillarm and the wall being roofed over with stone, forming a covered portico. From the base of the pillarn to the top of the stune covering in about $35 \$$ feek. The court is uow filled with rubbish and encumbered with wretched buildingn, forming part of the modern village of Edfu, the remainder being built on the roof of the temple itself. From the entrance of the court there is a gradual ascont to the
pronaos, or portico, of the temple, whicb is supported by 18 pillars, six in a row, the wbole height of it being about 56 feet above tbe lowest level of the court. The intercolnmniations of the front pillars are built up to more tban half tbe height. Passing througb the pronaos we come to a doorway leading into a kind of hypostyle hall, 66 feet by 33, supported by 12 pillars, witb a flat roof formed by large beams of stonc crossing from eacb pillar to the next in the same row, the whole being covered with thick flat slabs. The pillars bave the quadrilateral two-headed capital as at Denderah. From this chamber we pass into another long and narrow one, from which there are two small entrances to the side galleries, wherein we see flights of steps leading upwards to tbe roof of the sekos, or cell. Proceeding onwards through the middle chamber we pass into another small one, witb an apartment on each aide of it, probably for the use of the priests. From tbis last-mentioned cbamber we enter the holy recess itself, an oblong room abont 33 feet by 17, in which the figure of tbe deity was placed. Two galleries run down on each side of it, leading to a doorway at the back of $i t$, by which tbe priests might walk into a large but perfectly retired space all round the sanctuary, or might ascend on the roof by a flight of steps to enjoy tbe air and light on the terraced roof, for below they had no light at all, except it might be from small apertures, througb which the fellabs wbo now live on tbo roof with their families and cattle discharge all their dirt into the temple. The chambers of tbe sckos serve tbem as repositories for grain and otber commodities. Tbe temple, as well as every part of the wall, is covered witb hieroglyphics and figures representing tbe progress of the sun tbrough the circle of the hourm. Tbe outer wall, which joins the two propyla and completely incloses tbe court and the temple, is 414 feet on each of its longer sides; and 154 feet on its shorter side at the back of the temple. The smaller temple is also covered with hieroglypbics representing tbe birth and education of Horus, the son of Kneph and Athor, who were worshipped in the larger edifice.

The temple of Edfu may be compared with that of Denderah for preservation, and is euperior to it in magnificence. The propylaon is the largest and most perfect of any in Egypt; it contains several apartments in the interior, which receive ligbt by square apertures in the sides. The entrance court is the only one to be scen in Egypt in snch perfection, tbough completely encumbered with Arab huta. The pronaos, or portico, is magnificent; but unfortunately above threefourths of it are buried in rubbish. Upon the wbole the temple of Edfu, although built much later than many of tbo others (tbo earliest part of it was erected by Ptolemeus Philometor, B.c. 181), is perhaps the most complete specimen remaining of an Egyptian temple, which can give a good idea of the respective proportion and distribution of the different parts of their extcrior appearance when entire, and the strength of those formidable eitadels, which while they served as a protection to tbe town commanded the respect of the inhsbitants, and prevented or defeated any attempts to dispute tbe autbority of their priestly rulers. Edfu marks the site of tbc ancient Apollinopolis Magna; the Coptic name is Atbo, in which is prescrved the ancient name-(Hat)-of the district round Apollinopolis.
(Egyptian Antiquities, vol. i.; Belzoni; Wilkinson, General View of E(yypt.)

EDGEWORTHSTOWN. [LONGFORD.]
EDGWARE. [MindLesex.]
EDINBURGH, tbe City of, a royal and parhamentary burgh, the chief town of Edinburghshire or Mid Lotbian, and the capital of Scotland, is situnted on the south side of tbe Frith of Fortb, about 2 miles inland, in $55^{\circ} 57^{\prime} \mathrm{N}$. lat., $3^{\circ} 12^{\prime} \mathrm{W}$. long. ; distant 392 miles N.N.W. from London by road; 398 miles by tbe Nortb-Western, Lancaster and Carlisle, and Caledonian railways; and 402 miles by the Great Northern and North Britisb railways. The population of the city of Edinburgh in 1851 was 66,734; of the city and suburbs, which together constitute the capital and parliamentary borougb, 100,511. The city (wbicb is divided for municipal purposes into five wards) is governed by 81 town councillors elected by tbe constituency, d dean of guild elected by the guildry, and a convener of trades elected by the representatives of the incorporated trades. The council of 33 thus conatituted elects from its own members a lord provost, 4 bailies, and a treasurer, as the administrators of the municipal government. Tho city returns two members to the Imperial Parliament.
The boundaries of the capital include, besides rarious districts eubject only to the jurisdiction of the county sberiff, the four following dintricts, namely:-1. Edinburgh ; 2. Canongate; 3. Portsburgh; 4. Calton.

The existence of Edinburgh as a royal burgh may be traced to the middle of the 12 th century. A general chartcr of confirmation was granted by James VI. in 1603, and another charter by Charles I. in 1636. These cbarters $\begin{aligned} & \text { ppecify Leitb and Newhaven as belonging to }\end{aligned}$ the burgh. Other grants and charters were afterwards obtained at different times from the crown prior to tbe Union in 1707. By a charter of George III. in 1794 tho lord provost, who by previous chaiters was shcriff and coroner, was constituted lori licutenant of the county of the city. By the Scotch Burgh Reform Act (3 and 4 William IV. c. 76) the right of election to corporate offices was declared to be in those persons who aro entitled to vote for members
of Parliament. There are eigbt incorporated crafts within the burgh, all possessed of funds appropriated to the support of decayed members or the widows of sucb as are deceased. From an early period tbe property of the burgh has been administered very improvidently. In 1819 tbe debts of the city were stated to amourt to $497,101 \mathrm{l}$, including 264,25Sl. incurred on account of the Leitb Docks: in 1833 tbe amount of debts and obligations of the city were $425,194 l$., exclusive of engagements on account of tbe Leith Docks. Tbe revenue of the city amounted tben to 27,524l., and its annual current expenditure to upwards of 33,000 . Under these circumstances the city was declared insolvent, and an Act was passed in August 1833 conveying its properties and revenues to trustees for its creditors. Canongate is a parish and burgh of barony, of which the royal burgh of Edinburgh is the feudal superior. It is governed by a barou-bailie nominated by the town council, and two bailies elected by the inhabitants of tbe burgh of Canongate. Its revenue, which is of small amount, is derived from petty customs levied at the Watergate, or exit to Leith. Portsburgh, or more accurately the Easter and Wester Portsburghs, form a burgb of barony the jurisdiction of which is on each side of the grounds of Heriot's Hospital. A baron-bailie and two resident bailies are appointed by tbe corporation, the feudal superior. Tbe burgh offices are merely nominal. Calton is a district lying in tbe bollow betwixt the Caltou Hill, Cauongate, and the New Town. It was annexed to tbe city in 1725. A bailie is appointed, but no duties are attached to the office.
Site, Aspect, dec.-Edinburgb is built upon a series of bills, wbich, with tbree intervening valleys, give to tbe streets a remarkably undulating character. Salisbury Crag and Arthur's Seat, two higb bills beyond tbe precincts of tbe city on the east, greatly enhance the grandeur of its characteristic features. The central hill, on the summit of whicb the castle is built, slopes gradually down, forming the High-street and Canongate; Holyrood Palace, about a mile from the castle, being placed in tbe valley at tbe base of tbe hill. This ridge lies nearly east and west. The west or castle end is a rock, bare and inaccessiblo on the west, and with slopes of almost impracticable ascent on the north and south. Southward of this central hill is another but smaller elevation; northward the elevation on wbich a portion of the New Town is built, rises by a geutle slope from the nortb valley, and then declines towards the shores of the Forth at Leith and Granton. Westward of the Castle Hill tbe ground is generally level. Eastward of the nortbern ridge, and separated from it by a valley, is Calton Hill; eastward of the hill on the soutb side of tbe city, and scparated from it by a portion of the King's Park, is Salisbury Crag. Arthnr's Seat is still fartber east.

Civil History.-In the 7tb century tbe soutbern part of Scotland belonged to tbe Anglo-Sazou kingdom of Nortbumbria; and Edwin, king of Northumbria, is said to bave built a fort on the site of the present castle, the name of which was Edwinsburgh. Some antiquaries assign an earher date to tbe castle. In 1215 tbe first parliament beld by Alexander II. met at Edinburgh ; and 20 years afterwards tbe Pope's legate beld bere a provincial synod. Robert Bruce bestowed on tbe burgh the harbour and mills of Leith. By tbis time Edinburgh had become the chief town, tbougb not nominally tbe capital, of Scotland; parliaments wcre frequently beld in it, aud a mint was establisbed. In 1436 Edinburgh became in name what it had long been virtuallytbe capital of the country. About the middle of tbe 15 th century, on the representations of tbe provost and community, James II. granted the citizens licence to inclose and fortify the city. His successor erected tbe city into a sheriffdom within itsclf, and presented to the incorporated trades a banner or standard, wbicb has since been known by the name of the 'Blue Blanket,' and is still preserved. King Jamcs IV. patronised the crection of its first printing-press; and in tbe succeeding reign it became tbe seat of tbe royal palace, of tbe parliament, and of the supcrior courts of justice.
Tbe wall built in 1450 included very little more tban the present High-street, from tbe castle to the Canongate; but by the year 1513 tbe city walls inclosed tbo southern valley, called the Cowgate, and porti.ns of the slopes cxtending upwards on each side of that valley. Tbe Canongate had a separate origin. The abbey of Holyrood was founded by David I. in tbe 12th century, in the low ground lying east of tbe city. Tbe abbot and monks, in order to connect themselves witb Edinburgb, formed a line of street from their abbey up the slope of the bill, till it joined tbe High-strcet of Edinburgh; this street received the name of the Canongate, and the burgh of Canongato was constituted distinct from Edinburgh.

Up till tbe middle of last century the boundary of the city was not mucb enlarged; the additional accommodation required for tbe progressive increase of tbe population having been niet by buildiug houses of great height, and affording on encb floor residences for one or more families. Some additional space was obtained by the draining of a morass on tho southern side of tbe city, and on the drained land were formed the Cowgate and the Grassmarket, which had for tbeir earlier occupants tbe wealthicr classes of the city. After tbe Uniou of Scotland with England in 1707, and tbo transference of tbe parliament and the privy council to London, many of tbe nobility removed tbither, and the Canongate became deserted. In 1753 an Act of Parliament was obtained, and the work of renovation and extension of tho city was commenced. The Royal Exchange, in tho High-street,

Whs first bnilt; the morase or loch in the north ralley was drained, and the North Bridge aeroen that valley was coustructod. George equare, Brown-eqnare, and other atreets and equares in the eouthorn pirt of the town, bullt by private enterprise, wore lumediately oceu. pial by tho wealthler inhalitanta About 1870,1 mprorementa which had boen some time projected, and for which an Act had been ohtained in 1767, were commeneed on the north side of the city, and the Niew Town gradually rues into oxistence. St. Andrew's. equare was the nuclous of tho buildiug operations; and from that time till the present the work of extension has been steadily proceeding.

Caslle. -The castlo coveri a apace of about aix acres. On the east wide a apacious esplanade, used as a parado-ground and a promenade, interrenes botween the castlo entrance and the houses at the uppor end of the Iligh-strect. On the north side of the esplaunde is a statue of the Duke of York. At the entrance to the castle is a drawhridge, with a dry ditch undorneath, and tho outer gateway is protected by low batteries. The batteries extend along the ramparts on the north side. A socond strong gatewsy gives entranco to the inner or highor fort, which contains the oldest portion of the castle. A large pile of buildings on the cast side coutains what were once the state apartmeuts of Queen Mary, and the crown-room, in which are the regalia of Scotland. The regalia consist of the Scottish erowz, tho sceptre, the sword of state, the Lord Treasurer's rod of office, \&c. On the ramparts is Mons Meg, a huge cannon, supposed to hare been cast in the time of James IV., and which, after having been in the Tower of London for three quarters of a century, was returned to Edinhurgh Castlo in 1829 by Gcorge IV. On the west side of the castle rock, and on its highest part, stande a hugo pile of huildings used as harracks.
From the castle ramparts a magnificent prospect is obtained northward, comprehending the new National Gallery and other huildings on the Mound, the New Town and the valley beyond, the Frith of Forth, and the Fife Hills; eastwand the Old Town, hacled hy Arthur's Seat; north-east the railway termini in the north valley, the Scott monument, the North Bridge, the Calton Hill and the fine huildings on ite side and in its vicinity; sud to the west Corstorphine Hill, backed hy a dim outline of mountains in the distance.
The line of street eastward from the castle to Holyrood Palace prenents many objects of interest, the modern in numerous instances mlngling with and superseding the avcient structureas From the Castlo Ilill dights of steps lead down to the valley of the Grassmarket. The new western approach to the Old Town is carried along the conthern side of tho Castle rock, and joins the High-street at the junction of the Cantle Hill and Lawnmarket. At this point is the Now Aseembly 11all, which serves the douhle purpose of a parish church and the meeting-place of the General Assembly of the Established Church of Scotland. This building is a handsome gothic structure; at the eastern end is an elaborately-ornamented tower 240 feet high, which forms a prominent object from almost every part of Edinhurgh. Near this building, in the new road, are the Normal school of the Established Church, the Episcopal church of St. Columba, and other huildingn. On the northern side of the Castle Hill are the extensive huildings of the Free Church College and Free High church. The Lawnmarket, as its name imports, was once occupied as a market for linen eloth and other articles of merchandise In the IIigh-street, on the north side, is the Royal Exchange, and opposite to it in P'arliament-quare, is St. Giles's church, having under its roof the High church of Edinhurgh and two other of the city churches; on the weat side of the square is the Couuty Hall The fine range of buildings on tho south side of Parliament-square comprises the Advocates Lihrary, the Signet Library, the P'srliament IIouse (the Westminster Hall of Edinhurgh), and halls in which sit the judges of the Court of Session, the High Court of Justiciary, and tho Scottinh Court of Exchequer. Between the Justiciary Court and St. Gilen's ehurch is an equestrian statue of Charles II., erected in 1685 ; it is formed of lead conted with hronze. The Parliament House just named, is one of the finest halls in Scotland. It was here that the Scottish Parlinment sat until the Union with England. The hall Li 122 feot long hy 48 feet hroad, and has a carvod onk roof. Its floor in now used an a promevado for the adrocntes, solicitors, and litigaits of the Court of Semion. In the hall are statues of eminent judges. The Advocates Library is one of the privileged lihmaries entitled to demand a copy of evory printed work published in Great Britnin and Ireland; It contains a fine collection of upwards of 150,000 volumes. Among the manuscripts in this extensive collection are many valuable works on the civil and ecclesiastical history of Scotland. The Sigmet Library containa 50,000 volnmes, and is particularly rich in works rolating to British and Irish hintory.
Tho church, or a it in sometimes called, the cathodral of St. Giles, \& $\frac{1}{}$ ove of the most ancient building in Ealnhurgh, although its exterior has been frequently renovatod. It is mentioned in the year 1859 in a charter of Devid II. About a century later it was made collegiste, and 40 altare were smpported in it. After tho Reformstion the hullding was partitioned into four distinct places of worship. The High church, of whlch John Knox was for a conniderable period the minister, and which is regarded an the principal parinh church of Eidinhurgh, occuples the eastern end of the building. Externally,
the moot noticanbie feature of the edifice in the central tower: its top
is crowned with open carved stonework, with arches springing from the four corners, and meeting together in tho ceatre, so as to form a sort of orown. The Old Tolbooth, popnlarly called the 'lleart of Mid-Lothinn,' was removed in 1817, with numerous littlo booths or shope callel the Luckerbooths, which stood close to St. Giles's church A little farther dowu the High-street, a piece of radinted pavomont marks the sito of tho auciont cross, which was removed in 1756. At the intersectiou of the High-street with South Bridgeatreet is the Tron church, an old huilding, with a neat spire. A fow yards enstward of John Knox's house, at the fuot of High titreet, is the lane formod by Leith-wynd and St. Mary's-wynd (the Holywelllane of Edinburgh). Lastward exterds the Canongate, containlng many houses which by their style and decorations show that thoy were when first inhabited the mansions of the nohility. Ono formerly belonged to Lord lialmerino; another was the molut of Scotland, afterwards occupied hy the Duchess of Gordon ; Quecuaberry IIouse, now used as an hospital, was the residence of the Duke of Queensberry ; Moray Houso, the residence of the earls of Moray, crected in 161s, aud Milton House, another of these old edifices, are uow devoted to educational and benerolont purposes, Moray House beiug the training school for masters and mistresses in conuection with the Free Church. Canongate church is a large old building with no protensions to architectural elegance.
The ancieut palace of Holyrood House nearly fronts the eastern extrennity of the Canongata. By the end of the 12th centnry the ahbey founded hy David I. had become a wealthy and powerful institution, the akbot holding regular courts like other harons. The first separate royal residence here is supposed to hare been a small hunting seat, huilt hy James V. in 1528, prior to which many of the Scottish kings had on great occasions lodged in the abhey. A large part of the palace was destroyed hy Cromwell's soldiers in 1650 ; after which the present edifice was huilt. From the period of the Union of the two kingdoms the dukes of Hamilton have been hereditary keepers of the palace. Charles Edward Stuart lodged here during his short sojourn in Edinhurgh in 1745; here Charles X. of Frauce resided during the revolutionary troubles, and here he again found a refuge more than 30 years afterwards, wheu he was driven from his throne. George 1V. visited Holyrood in 1822; and Queen Vistoria held a levee in it in 1842. Her majesty has on several occasions since pnssod a day or two in the palace on her way to or from Balmoral Castle. Holyrood House is a quadrangular building, with an open court in the centre. The front is fanked with double castellated towera. The north-west corner, containing the apartments of Queen Mary, is the oldest portion. The gallery of the kings of Scotland exhibits 106 paintings, said to be portraits, hut of no merit as works of art, and of no historical authority. In the hall which ooutains these paintingu are held the meetings for choosing the ropresentativo peers of Scotlaud, and the levees of the Lord High Commissiouer to tho General Assembly of the Established Church. The ruins of Holyrood ehapel lie behind the palace, at the north-east corner. The chapel was fitted up by Charles I., who was crowued in it in 1633. James IL. had it adorned afterwarda for the Roman Catholic worship. The chapel contains the remains of David II., James II. of Scotland, James V. and his queen, Lord Darnley, and other illustrious personages.

The back atreet called the south back of the Canongate leads westward to Cowgate and Grassmarket. Over the Cowgate pass tho South Bridge nad George the Fourth Bridge. Three or four flats or stories of the houses next the bridges are below the level of the upper street, while three or four flats are above, the fourth or fifth floor at the back of each house being the street floor in front.
The Grassmarket is historically famous as the spot where many Protestant martyrs suffered denth in days of persecution, aud also ns the scene of the Portcous riot in 1736. The Grassmarket was for a long time the place of public execution. It is a wide, open, oblong space. The market is chiefly for cattle, sheep, and grain. The New Corn Exchange is a haudsome and commodious building in the Italian style, 152 feet long hy 03 feet 6 incles within the walls. The main frout is 98 feet in length, and 59 feet in height to the top of the main cornico. At the west eud is a campanile 98 fect in height. The main entrance to the huilding is through a handsome Dorio portico. This building contains hesides a spacious hall, lighted from the top, for the sale of grain, a hank for tho accommodation of partien attonding the market, a hall 66 feet long, in which buyere and sellers may settlo accounts, and a gmanry. Westward of the Grassmarket is the West Port, a district notorious as the place where Burke and Hare perpetrnted their murderous deeds. A church, schools, and sanitary and benevolent institutious were estahliehed here a fow years ago, chielly owing to the exertions of the late Dr. Chalmers.
A little way south from the Grassmarket stands Heriot's Hospital, founded by George Heriot, jeweller to James VI., for the maintenance and education of poor and fathorless boys, or hoys whose parents are in indigent circumstances, "freemen's sons of the town of Ediuburgh." The huilding, which was completed in 1660, is quadrangular, measuring 102 feet each way, and having an open court, 92 feet square, in its centre. Over the north gnteway and at the four corners of the huilding are projecting torwers or turrets. Inigo Joues is said to have furnisher the design. About 180 boys are educated and boarded in tho hospital, which is under the mauagement of the town council
and city ministers of Edinburgh. In 1836 an Act of Perliameut was obtained enabling tbe governors of the hoepital to apply a portion of its funds to the establishment of Free ecbools for children of botb sexes in various parts of the city. Accordingly 10 scboole of this description have been established, in whicb about 3000 children are under inetruction. Near Heriot's Hoepital etands George Watson's Hospital, for the benefit of tbe children and grand-children of decayed Edinburgb merchants. In this institution about 80 boys are fed, clotbed, and educated. Tbe Mercbant Maiden's Hoepital, founded in 1695 , is for the maintenance and education of tbe daughters of merchant burgesses of Edinburgh. Eastward of Heriot's Hoepital is the Grayfriars church witb its churcbyard, botb of bietorical interest. Here lie tbe remains of many eminent Scotsmen, among whom may be named George Bucbanan, Allan Ramsay, and Principal Robertson. Tbe churches of Old and New Grayfiars were under one roof till Jannary 1845, wben tbe building was deetroyed by fire; one of the clurches was afterwards restored. Among public edifices near this spot are a new and commodioue Free cburch; a neat Roman Catholic chepel; a Baptiet cbapel; end the City Charity workhouse, a large and very plain edifice, accommodating about 750 inmates. To the south-west is a large open space, witb walks planted witb avenues of trees, uamed the Meadows, the walks of wbicb are useful as promenades; the inclosed spacee are used for drying clotbes. Beyond the Meadowe stretch Bruntsfield Links, much frequented by golf players, aud occasionally used for military reviews ; many bandsome villas are in this direction. Here is Gillespie's Hospital for the maintenance of indigent old men and women, of whom tbere are about 30 in tbe house, and for the elementary education of 100 poor hoys. Tbe Roman Catholics have a nunnery at Bruntsfield Links. To the sontb-east of the Meadows is tbe suhurh called Nevington, occupied chiefly by wealthy merchants and professional gentlemen. Many fine residences are here, and the dietrict is considered one of tbe healthiest ahout Edinburgh.

University.-The University is situated on tbe weet side of South Bridge-street. The buildings form a parallelogram 356 fcet by 225 feet, having an open court in tbe centre. The quadrangle is entered by a portico on the east side, and tbe doors to the several departments of the college lie around the quadraugle. The University corporation consists of a College founded by James VI. of Scotland, by a cherter dated A pril 24 th 1582. By this charter, which forms the conetitution of the University, tbe provost, beilies, and town councillors of Edinburgl, and their successors in office, are inveeted witb tbe power both of electing the professors and of diemissing them. In the nonrecognition of any authority, or at least of any supreme authority, as belonging to either the entire body of the professors and students, or cren to the Senatus Academicus, the University of Edinhurgh differs from all other Scottish colleges. The first appointment of a professor was made in 1583. In 1620 a second Profeeeor of Theology was appointed, and the office of Principal bas since been made a mere sinecure. The property of the college is of inconsiderable amount. The deficiency is made up by tho town cuuncil. A bequest was left by the late General Reid for founding a professorship of inusic and for otber purposes. A professorsbip of music has accordingly been established, and in terms of the founder's will concerts have been held co several occasions. The protessorshipe are considercd as divided into the four faculties, or classes, of arts, law, medicine, and theology. The Principal is considcred as tbe ex-officio convencr of the faculty of theology. The others have eacb a dean or convener choeen by the faculty. The law school dates from the commencement of the last century, and the medical scbool from the close of the century preceding. It was not bowever till a coneiderahly later period that the medical achool began to acquire celebrity.

For 50 years preceding 1826 the total number of graduates in arts was only 168. During the earne period 100 degrees of D.D. were conferred, and 56 of LL.D. The aversgo number of graduatee in arts of late years has been from 8 to 10 annually. The number of medical degreee was 119 in 1839 , since which year the number bas gradually diminiehed. The number of medical degrees granted in the five years $1849-1853$ was as follows: $-51,67,45,51$, and 85 ; being 299 degrees in the five years. Tbe regular, or winter university session or term, begins on the first Monday in November and ends on the last day of April. Of late ycars a few of the classes have aleo been tangbt during a summer seesion, beginning on the first Monday of May, and terminating witb the end of July. No acadernical dress is worn by the etudents; no theological test or attendance upon divine service ie enforced; and scarcely any diecipline is exercised beyoud the class-room. The students are examined in aevcral of the classes, but there is no puhlic examination in tbe University. The medical students attond the hospital of the Royal Infirmary, and clinical lecturee are delivered to them by the medical profensors. By an Act of Parliament recently passed tbe subscription of the professors to tho Westminster Confcssion of Faith is diepensed witb in this as in all the Scottish universities. A collection of pictures and marbles was bequeatbed for the use of the University by the late Sir James Erskine of Torry, Bart. Tbe foundations for bursariee or exhibitions in the University are 34 in number, in the benefits of which 80 tudents participate. The whole amount is under 1200l. per annum. The library of the University occupies the
south side of the building. Tbe principal room is 187 feet long by 50 feet in breadth, and bas an arcbed roof from 50 to 58 feet high: this is a very fine apartment, and edmirably adapted for tbe purpoees of a library. The library contains upwards of 90,000 volumes. It is exclusively a College Library. Its income arises cbiefly from fees payahle on matriculation and graduation. Tbere is also a Theological library for the studente of theology. Tbe Museum occupiee several galleries and apartments, and comprises an extensive collection of epecimens in natural bistory, and upwarde of 300 manuscripts. The present university buildings were commenced in 1789.

Nearly opposite the University is Surgeone Hall, a bandsome building with a Grecian front. In this building is au exteneive anatomical and surgical museum. In the Blind Asylum about 90 blind persons are maintained and instructed in the making of baskets, rugs, mettreeses, and other useful articles, by the sale of which the institution is in part supported. The Royal Infirmary occupies an exteusive range of buildings erected about a century ago. This institution, incorporated in 1736 , is the means of great benefit to the inhabitants.

Tbe New Town of Edinburgb abounds in epacioue streets, equares, and terraces, containing many fine public buildiugs and elegant private mansions. Tbe Calton Hill, at the eastern extremity of tbe New Town, 345 feet above the level of the sea, is a prominent object in itself, and from its summit beautiful views of the city, tbe eurrounding country, and tbe Frith of Forth, are obtained. On the hill are 12 columns of the projected 'National Monument;' the Nelson Monument, a lofty shaft, on the top of which a time-ball is placed; an ohservatory, and monuments to Dugald Stewart and Professor Playfair. Around tbe eastern elope of the hill are a series of fiue private maneions, named Royal-terrace, Carlton-place, and Regent-teriace. On tbe eouth side of the hill etands the new High school, a noble structure, huilt of fine wbite etone; it consists of a centre and two wings, in all 270 feet in length. The ceutral portion of tbe frout is a pediment eupported by a range of Doric columns. This seminary is attended chiefly by the children of the middle classes: the number of scholars in 1853 was 420 . On the side of the bill, uearly opposite to the High school, is a monument to Robert Burns. The jail and bridewell, whicb ere now under the management of the Prison Board as one prieon, occupy a large space on the side of the bill. Among other puhlic huildinge in Waterloo-place, leading to Princes-street, are the General Post.Office, the office of Stamps and Taxes, the Calton Convening Rooms, the Waterloo Rooms, and the Theatre Royal. Facing the North Bridge is the Register Houee, a epacious edifice, in wbich are deposited the puhlic records, registers of sasines, and other deeds. In frout of tbis building is a etatue of tbe Duke of Wellington. Princes-street, a fine open terrace, lined with handsome shops, and towards the west end with some good private residences, extends westward for about threequarters of a mile. On the eouth eide of Princes-etreet, in the North Valley, are tbe termini of the Nortb British, Edinburgh and Glasgow, and Edinburgh, Leith, and Gantun railwaye. The ponument to Sir Walter Scott, a kind of gothic tower or steeple, etands on the south side of Princes-etreet. It is 200 feet in heigbt, and the gallery at the top is reached by a flight of 287 eteps. On the basement floor of the monument io a fine marble statue of the great novelist by Mr. John Steel. In tbe centre of St. Andrew's-square, northward from Princes-street, ie a tall column eurmounted by a statue of Lord Mclville. Farther west in Princes-street is the earthen Mound, connecting the Old and New Towns, on whicb stand the buildings of tbe Royal Institution, tbe new National Gallery, and other important etructures. The otber huildings in Princes-etreet which demand notice are-tbe New Club; St. Jobn's Episcopal cburch, at the extreme west end of the street, a remarkably ornate and very heautiful gotbic etructure; and adjoining it on tbe south, St. Cutbbert's or the West Kirk, a large building of ratber forbidding appearance, but commodious. St. Thomas's Episcopal church; St. George's Free cburch; the Grelic Free churcb; the Unitarian cbapel ; Luthian-road United Presbyterian church; and the terminus of the Caledonian railway, are in this neighbourhood. Nortbrard of Princes-strcet is Charlotte-square, containing residences of eome of the Lords of Scssion and of wealthy families, with several educational institutions. On the west eide of tbis equare is $S t$. George'e cburch, a large and messive building surmouuted with a dome. Tbis churcb, the finest ecclesiastical structure in Edinburgh, was erected about 32 years ago, and cost ahout 38,000l. Georgeetreet, a etraigbt and wide street running between Charlotte-equare aud St. Andrew's-equare, contains among other buildings tbe spacious Aesembly Rooms, and the Music Hall, a large and splendid hall; St. Andrew's cburcb, the Commercial Bank, and statics of George IV. and William Pitt. Tbe public buildings in Queen-street, to the nortb of George-street, are the Queen-strcet Hall, belonging to tbe United Preehyterian Synod, which bas here its mission-house and offices ; tbe United Service Club House, and tbe Hopetoun Rooms. In York-place are St.-George's Episcopal chepel, a small, low-roofed gothic etructure; St. Paul'e Epiecopal church, a richly-omamented gothic huilding, in which tho Bisbop of Edinburgh officiates; and St. Mary's Romau Catholic chapel.
The nortbern slope of the hill on whicb tbe New Town is built, is occupied hy regular and handeome streets, rows, places, and equares extending to Canonmills, and leading by Inverleith-row to Granton
snd Newhaven. To the north-west of Quean-street is the Oetagon, or Morny-place, whlch for the massive olegunce of its princely mansions, may bo reganled as the mont atriking feature of the Now Town. Farther to the north-west ls the Dean Brilge, a fine structure which epans the Water of Leith at a Jicight of 100 foct above the bod of the river. Trinity Eplscopal ehapol, a fino gothio strueture, in pletaresgnely situated aloso to the bridge. Along the bunks of the fiater of Loith, weetward, is the curious old village of Dean, chiefly oceupiod by millers and their fatailies, who in respect of manners and customs, and evee of clialect, were till recently quite a peculinr clast. To the westward a short way ont of the city is Donaldson'a Ilospital, a maguificent atructure, with accommodation for 150 boy and 150 girla; of those admitted a certaln proportion is selected frum applicants tho aro deaf and lumb. John Watson's Institntion, for the maintenance and education of 120 deatitute children, and the Orphan Ilospital, for 100 orphan children of both sexes, are also In this neighbourhood.

At the north aide of the town is the New Edinhurgh Academy, founded in 1824, to provide for tho families in the northeru diatricts a system of education sourewhat similar to that of the IIigh school. The number of scholars iu 1853 was 350 . The Asylum for the Deaf and Dumb, a large and commodious building, adjoins the academy. On the Water of Leith, near Canomills Bridge, is Tanfield Hall, which is much occupied for publie meetings : to this hall the memhers of the Gezeral Assembly who seceded from the Established Church in 1813 walked In procession, and formed the Free Church. In this hall alno, in 1817, the United Ansociate Synod and tbe Relief Synoul formed a junction under the title of the United Presbyterian Syuod. In Inverleith-row are the Caledonian Horticultural Society's gardens, occupying 10 acres of ground, and the Royal Botanic gardens, occupying 15 acres, to both of which access is readily ohtained. Inverleith Cemetery, openod about niue years back, has ranges of well-built raults, and a neat Episcopal cbapel. The Zoulogical gariens are situated in Bomington-road, at the northeast end of the city. At Rosebank, near to the Zoological gardeus, is another cemetery. On the southern sklrts of Bruntsfeld Links is the village of Morningside, a. rather favourite resort an a summer residence. Morningside Lunatio Arglam is an extensive rango of buildings, having about 300 lnmates. The system of treatment is mild and soothing, aud has been found wuccossful. Near Morningaide is Merchiston Castle (now occupied as an scademy), the residence, from the 15 th ceutury, of the Napiere of Merchiston.

By the North British, the Caledonian, the Edinburgh and Glasgow, and the Edinhurgh, Perth, and Dundce railways, Edinburgh has ready communication with all parts of the lingdom. From Granton New Ijer (the property of the Duke of Buccloueh), the chaiu-pier at Newhaven, or from leith, there aro steamera to the various towns and important villages on the Forth, to the towns on the north-east coant, and to Orkney and Shetland; and in addition to the traflic hy mailing ressels, and the swift sailing 'clippers,' there aro steamurs to London, Newcastle, Hull, and llamburg.

Edinhurgh possessea no manufacture of any importancc. Shawlmaking and conch-making are carried on successfully. The printing and publlshing traden of Edinburgh rank in extent next to those of London. Sereral extonsive paper manufactories are in the neighbourhood of Edinburgh. llair-cloth, net and lace wariug, and the manuficture of small wares, are cngaged In to some exteut.

Churches, dec.-There are in Fdinburgh 17 parish churches and 10 chapels of ease (one of which is for a Gaelic congregation) in convection with the Fistabliahed Cburch; the Freo Church lus 26 Hlace of warship (one being Gaolic); the United Preshyterians, 15 ; the Cougregationalista, 1, the Original Secelers 2; the Baptists, 0 ; the Methodisto, 8 ; aud the Roman Catiolice, 2. The Jews, Quakers, Mornonitos, llowites (or Irviugites), Unitarians, and other minor sects havo chapeln or hired rooms for tbelr services. Thero are 9 Episcopal chapels in Edinburgh, one of them belng unconnected with the Scot timh K.piscopal Church.

Fidioburgh possesses many religious and benerolent instltutions, some of which lave exteusive operatlons. Among these may bo onined the City Minsion, tbe Bible Society, the Strangers' Friend Society, the Gaelic Sohool Socicty, the Society for the I'ropagation of the Gospel in the Higblands aud Inlands, the Sabbath School Society, socictics for supporthig Ingged and Industrial chools, the Medical Minolomary Socioty, Suciety for entahlinhlng Fireving Schools for Apprentices and Adulta, Society for providing Improved Dwellinga for the Worklng Clawen, mad numerou other witb similar praisoworthy oljjecta. Among the elucatlonal Institutions of Edinburgh not alrealy noticad are the Scottinh Mllitary and Naral Acarlemy, founded in 1825; the Hilletreet Inatituticn, opened in 1832; the Scottinh Polytechule echool; the Circun-placo school, having a roctor and five other masters; the Southere Academy, lustituted $\ln 1820$; the Ladien' Inetitutlon for tbe Southern Districts, founded in 1833; the Scottinh Institution for the Vilucation of Ladles, founded in 1834; the School of Arta, or Mechnnlcu Institute; Dr. Bell's schools; tho Lancasterian achooln; the Canongate Burgh mehools; nnd tho Normat schools of the Eatablished and Free churchea. The I'hllomophical Irntitntlon is a recently founded society uimilar in clasacter to the Atbenwutns of Manchester and some other towns. Tho Select Subecription Library aud the

Mechanica Library have each largo and raluable colloctlous of books, and are weli supported. Several modical and literary societion and legal clubs have libraries of their own. The Socioty of Antiquarioa has a museum containlar many ohjocts of ivterest. Fourteon nowspapers are puhlishod in Edinburgh-one three tines a weck, seren twice a week, aul six weekly. Sevoral quarterly, monthly, aud reekly periodical of liflucutial character and exteusive circulation aro also published in Edinhurgh.

Population. The population of the city and subarbe of Ediuhurgh кas $66,514 \ln 1801 ; 112,235 \ln 1821 ; 138,182 \ln 1811 ;$ and 160,511 In 1851 . Of the inhabitants of Rdinburgh an uuusunlly large proportion are engaged in, or counected with, the courts of law. The number of fomales is also unusually large, the respectlro numbere iu 1851 being 71,567 males and 89,994 females.

Edinburgh is lighted with gas sapplied by two companion. Tho aavings bank on 20th November 1851 had 25,751 depositorn-the amount due to then being $827,205 l .78 .5 d$.
IIDINBURGHSHIRE, or MID-LOTHMAN, a countr in the eastern part of Scotland, bounded N. by the Frith of Forth, N.E. and Fi, by Haddingtonshirc, S. hy Peoblessbire and Lanarkshire, and WV. and N.W. by Linlithgowshire, lien between $55^{\circ} 37^{\prime}$ and $50^{\circ} \mathrm{N}$. lat., $2^{\circ} 50^{\prime}$ and $3^{\circ} 45^{\prime} \mathrm{W}$. loug. The county is in length from east to west about 36 miles, and in breadth from uorth to south sbout 18 miles . Its area is 307 squaro miles, or 251,300 acres. The propulation in 1851 was 259,135 . The county returns one member to the Imperial IParliament. Coastline. The northern boundary of the coully oxtends for nearly 18 miles along the lirith of Forth. From Queensferry, where the Frith may be said to begin, the southern shore of the Frith proceeding eastward is studded with towus, haveus, and piers. First, is the rillage of Cramond, at the mouth of the Almond Water; then the newly-formed lauding-place, Granton, with its excelleut stoue picr and spacious hotel; this is succeeded by Trinity chain-picr, and tho old village and pior of Newhaveu, and farther to tho east the town and harbonr of Leith; while still farther along the coast are the towns or villages of Portobello, Fisherrow, and Musselhurgh. $\Lambda$ t Granton, Newhaven, and Leith tbere is at high tide considerahle deptly of water, while eastward of Leith the sboro is formed of an extensive breadth of sand, left dry at low water, aud consequentiy shallom, even at hlgh tlde. Westrard of Granton the shore is again composed of sand, covered only at high tide. The islaud of Cramond, iu the Frith, about half a mile off the villago, affords pasture for a few sheep which are driven to it over the sands at low water.

Surface, Ilydrography, Communications. - The surface of Edinburghshire is in general uneren. The most hilly distriet comprises the parishes of Stow and Heriot in the soutb-enstorn portion of the county, the Moorfoot Hilis being the nortbern boundary of Stow pariah. Iu this district is the Sayrs Law, 1739 fcet ahovo the sen. The continuation westward of tbis higb ground through the parishes of Temple and Pennicuik forms the boundary between this county and Pecblesshire. It has a general elovation of upwands of 800 fect, and ls ratber flat and covered witb bogs and mosses; but ln some parts there aro bills of considerahle clevation, as the Cont Law, 1650 fect, and the Blackhope Scarcs, 1850 feet, above the level of the sea Farther westward are several high hills, as the Cairn IIill ( 1800 feet), and others which belong to tho Pentlands. Farther west, in the district on the Lanarkshire boundary, only isolated blls oceur, the highest of which, Lereu's Seat, at the south-western extremity of the county, is about 1200 feet abore the sea. Between tbis bigh ground and the Frith of Forth are the Pentiand INills, the highest summits of which are from 1800 to 1900 feet above the sea, but their mean elcration probably does not much exceed 1000 feet. They terminato at the distance of a fow milos from Edinhurgh. In Ratho parish, to tho west of tho Pentlands, the llat Hills, a small mange about a mile and a half long, allain an elcvation of nearly 600 fuet. Dalmahoy Crags, in tho same parish, are three lills of trap, wbich aro ahove 000 feet bigh. Towands the northern boundary the county presents an undulating surface, ou whlelı a few hills rise to a moderute clevation. Corntorphine lliils, lylng westwand from thic city of Elinburgh, exteni about two iniles in length, aud are about 470 feet abovo the sea level Brad and Biackford Ililis aro lmmediately souti of the clty, and Arthur's Seat is close to the Old Town on the south-casto
This county is watered by acveral rivers. Tho Gula Hiulcr, which falls into the Tweod, traverses Stow parish, recciving in Horlot parish the Heriot Water, which has weveral amali trhutarion, and in Stow parluh tho Lugate, Erinit, and Cockhan Watess, besides aumerous moutaiu streams. The South lisk lssues from a bmall lake in Peoblesshire, on the borders of tho county, and ita tributary, the Gladhouso Water, takes Its rise iu the Moorfoot 1lills, also on the borders. They unite after a winding and parallel northern course of about 9 milow, After panrigg Dalkeith tho South Esk jolus its watere wlth tbose of the North Esk, and the united streans foru the rlver Fisk, which falis Juto the Fritb of Fortb at Museelburgh, the South Fisk and liak laving traverned about 18 zalles of the connty in a uearly direct line from south to north. The North Eisk also takea lts rise on the border of l'echlesshire, and enters Mid-Lothian a few miles west of the South bisk. In its courme it receives a great many tribuLaries from the eastern aide of the Pentiands. Tbe bayks of both of these streams are generally pleturesque, and occasionally romautic;
and the localities through which they pass offer many spots of great interest to the tourist. The Water of Leith takes its rise in the parish of Mid Calder, on the south-western border of the county. It receives several unimportant streams from the western sides of the Pentlands, and after a winding north-eastern course, in which it traverses the county for about 20 miles, passing by the north-west and north of Edinhurgh, it falls into the Frith of Forth through the harbour of Leith. The Almond Water separates Mid-Lothian from Linlithgowshire, except as regards the parish of Mid Calder, the extreme south-western part of Edinburghshire, which is separated from the adjoining county by the Breich Water, a tributary of the Almond. The Almond receives in its comparatively straight northeastern course the Harwood, Muirhouseton, and Linhouse Waters from the hills on the south-west of the shire; and, near the Corstorphine Hills, the small stream called the Gogar Burn. It falls into the Frith of Forth at the village of Cramond after a course (including that of its tributary the Breich) of about 20 miles. The Union Canal enters Edinburghshire about 9 miles west of the capital. A small lake at the base of Arthur's Seat, called Duddingston Loch, is a favourite winter resort of the skaters of Edinburgh.

Mid-Lothian possesses many excellent roads and bridges, and ample canal and railway communications. The chief highways are the high-road to London by the eastern coast, through Berwick, and that through Dalkeith hy Lauderdale, across the Tweed at Coldstream; the high-road to Queensferry and the north-east of Scotland; and the high-roads to Glasgow through Linlithgow, Bathgate, and Mid Calder. There are also excellent roads to Lanark, Dnmfries, Peebles, Selkirk; and other turmpike-roads to the whole south and southwest of Scotland. The parish roads are also kept in good order. The railways in the county are, the North British, extending along the east coast to Berwick; the Edinburgh and Hawick, a branch of the North British, to the sonth of Scotland; the Caledonian to the south-west and to Carlisle ; the Glasgow and the Granton lines.

Geology, Mineralony.-Mid-Lothian rests on a series of strata, connected with the coal formation, which in this district forms altogether a deposit, the depth of which is calculated to be in some places 3000 feet. The depth and character of the strata vary much however in different parts of the county. In the hilly south-eastern districts, the rocks are of grauwacke and clay-slate; quartz, spar, and steatite being found only in small quantities. The Moorfoot Hills are of grauwacke, no grauite or other primitive rocks being found there. The rock of the Pentlands again is chiefly porphyry, of whiel the prevalent kinds are the clay-stone and felspar porphyries. Extending northward from the Moorfoot range and the Peutlands, in the wide vallcy of the Esk between these ranges, is the extensivo mineral ficld of Mid-Lothian, which, whon it arrives at the northern part of the county, reats on the old red-sandstone of the Craigmillar Hills, that again resting on the secondary rocks of Salisbury Crag. Coal, limestonc, and sandstone, are extensively wrought throughout the whole of this district, the limestone chiefly in the neighbourhood of Dalkeith; though dislocations are of such frequent occurrenco that the strata are thrown up or down sometimes from 5 to 40 fathoms On the shore of the Frith, between Portobello and Musselburgh, the seams of shalo, sandstone, and coal, can be easily traced. The stratum here exposed stretches along for a considerable distance, aud lies almost vertically; yet it is said to shew but little of the depth of this extensive mineral field, in which not less than 25 seams of coal, varying in thickness from 2 to 25 feet, are found. The sandstonc beds differ much in character. Freestone is wrought in the neighbourhood of Portobello, and both limestone and ironstone have been found in Duddingston parish, close to the shore of the Frith.

In the parish of West Calder, which with Mid Calder forms the south-western extremity of the county, coal, ironstone, and limestone have been wrought to some extent, though the coal is inferior, and the supply is not abundant. Ironstone is not largely produced, though both the Wilsontown and Shotts iron companies derive part of their supplies from this locality. Sandstone, whinstone, and limestono have all been wrought in Mid Calder parish.

Judging from this, and from the appearance of the strata in the different rivulcts which intersect this part of the county, sandstone, shale, and limestono may be specified as the rocks which form the basis of the dietrict. Near East Calder village, the limestone is 40 feet thick; it rests on randstone, and is surmounted by beds of shale, and thin beds of clay-ironstone alternately. The limestone consints almost entirely of shells; the shale shews innumerable impressions of plants, and the freestone affords numerous specimens of ferns. In the strata exposed in the Almond Water, sandstone, limestone, shale, clay, ironstone, and coal are all found, the seams being occasionally traversed by trap. The clay-ironstone is found only in these beds, and parts of the shale are exclusively composed of vegetable remains. Around Edinburgh, shale, mandstone, and limestone are still the prevailing strata, the limestone having been seemingly the earlicst deposit of all. Through this stratum which is about 30 feet thick, and is the lowest seam of the great mineral field of the county, the igneous trap rocks, on which Edinburgh is built, and thone also which lie to the west and south of the city, seem to have been forced up. These rocks consist of greenstones, porphyries basalts, and some others. The Castle Iock is composed
of basalt and greenstone, and, on the south and east sides of it, the trap may be seen in curious contrast with the rent and shattered sandstone. At one portion of the Calton Hill, trap and greenstone are interposed with the limestone and shale, so as to induce the supposition that there have been two erruptions of igneous rocks, the second having had the effect of raising all the strata together. This supposition is borne out by the appearance of the hills in the neighbourhood. The Calton Hill is composed of olaystone and porphyry, with greenstone occasionally intervening. The same greenstone forms the rock on which the New Town of Edinburgh is built, and resembles closely that of Salisbury Crag. The base of Salisbury Crag is sandstone and shale, above which is a thick seam of greenstone. The centre and upper part of Arthur's Seat is basalt, columns of which form what are called Samson's Ribs: the precipice on the southern side shewing the different strata (sandstone and limestone chiefly), through which the trap has been foreed. In the trap of the Corstorphine Hills, the greenstone again appears, the same greenstone forming the Cramond Island. Along the shore, trap of different kinds appears, interposed with the sandstone, while immense masses of greenstone are found in the sand and gravel on the side of the Frith. Freestone is wrought in the extensive quarries of Craigleith, and also at Granton.

Climate, Soil, and Agriculture.-The eastern coast of Scotland generally is visited during the months of March, April, and May, with a cold and dry easterly or north-easterly wind; and the climate of Mid-Lothian resembles that of the adjoining eoast. During the rest of the year the prevailing winds are from the west and southwest. These blow principally in August and September, and bring with them a great deal of rain. About 24 inches of rain fall annually. The temperature varies much in the different parts of the county. In the hilly south-eastern district the climate is cold, but healthy. This district is chiefly devoted to grazing; the hlack-faced sheep and the cattle reared here being much esteemed. The climate westward of this, and nearer the Pentlands, is cold and damp, owing partly to the proximity of extensive moorlands. In the rich and fertile valley watered by the North and South Esks and their trihutaries, the climate necessarily varies, being milder in the low grounds than in the more elevated and exposed districts. The soil in the valley is light, the subsoil porous, and the ground being very undulating, the land enjoys a natural drainage. In the higher districts the soil is a thin clay, with a retentive subsoil, but draiuing converts this rapidly into good arable land. Towards the Frith of Forth the lower district of the county is in general warmer than farther inland, reaping being usually commenced a fortnight earlier. Along the west side of the Pentlands the climate is, though cold, very salubrious. The soil throughout the western district is of good quality. It is in the highest state of cultivation, and grows all kinds of crops.

One-third nearly of the land in the county is devoted to pasturage The county is generally well wooded, watered, and inclosed. The agrioultural farms are of considerable size, the farm-houses are substantial and commodious, and the implements of hushandry of the best description. In the neighbourhood of Edinburgh are many nurserics and market gardens, the arable lands beyond these being principally devoted to the culture of potatoes, turnips, and other vegetables. The land where these vegetahles are raised is divided into small holdings, and is amply supplied with the manure of the eapital. In the more landward parts of the county, wheat, oats, and barley, beans or peas, potatoes, turnips, and clover, are the crops usually mised, the succession varying in different districts, according to the different rotations, which are sometimes a four, sometines a five years* shift, according to tho nature of the soil. Tho cattle throughout the county are of the best breeds. For all kiuds of agricultural produce ready markets are found in the city of Edinburgh, in other places in the county, or in the immediato neighbourhood.

Divisions, Towns, dec.-Mid Lothian is divided into 33 parishes, aud is within the Synod of Lothian and Tweeddale. According ta the 'Census of Religious Worship and Education,' taken in 1851, there were 230 places of worship in the county, of which 66 belonged to the Established Church, 49 to the Free Church, 40 to the United Presbyterian Church, 16 to the Episcopal Churoh, 14 to the Independents, 9 to Baptists, and 36 to minor bodies. The number of sittings in 205 of the 230 places of worship is stated at 115,514 . There were in the county 399 day schools, of which 232 wero publio schools, with 29,258 scholars ; and 167 private schools, with 8016 scholars. The Sahbath schools in the county for which returns were received were 321, of which 80 were in connection with the Free Church, 69 with the Established Church, 60 with the United Presbyterian Church, and 112 with other bodies. The total number of scholars returned was $27,196$.

The chief town of tho county is Edinburar, and the towns next in importanco to it are Leitir, the seaport of the capital, and Dalkeitir, where is held an important market for grain. These will be found described under their respective titles: of the other towns we give a short notice here

Musselburgh, about $5 \frac{1}{2}$ miles E. from Edinburgh, is a small sea-port, an ancient burgh of regality, and since the 1 \& 2 Will. IV.c. 65 a parliamentary burgh, uniting with Leith and Portobello in the return of one member to Parliament: the population of the burgl in

1531 was 7092 The town is situstel at the mouth and on the right luank of the river Esk, which flows between it and the rillage of Fisherrow. On the Llukn, or Common, between the town and the shore of the Frith of Forth, the Fidinburgl races generally take place. Muselburgh is connected with Fixherrow by threo brilgen; the erec. tion of the oldent of these bridges (now only used for fout pansengers) has been attrihuted ha lioman colony that wettled on Inveresk 11 II Immedintely behind the town. Numacrous lomau remnina, tracen of baths, ic, have from tize to time been discovered at Invereak. Museelburgh is generally well but irregulaly buit. It is clean, lighted with gas, and is well supplied with shops aud marketo. The parish church, built in 1506, will accornmolate 3000 sitters. There are a l'ree chureh, an Epincopal chmpel, nad eeveral chapels for United Presbyterinns and Independents. The tolbooth, or jail, wbieh is in the 1 lighetreet, was built in 1580 of materials derived from a chapel dediented to our Lady of Loretto, which had existed iu tho town from - very early period. The town-hall adjoinn the jnil. The chief bridge is an elegant and aubatantinl structure. Tauning and leather-dressiug, and the manifacture of mail-cloth are carried on; aall-work is in the immediate neighbourhood; horeo-hair eloth and fishing-nets are manufactured. The market-gardens supply vegetables for Edinburgh. There aro a savings bauk and two libraries in the town. The Grammar echool of the burgh and two other sehools are partly endowed. A fow cossting veseels aud small vessels from the north of Europe bringing timber, oil-cake, bone-dust, bark, bides, \&c., visit the port. Slates, bone-manure, grain, and other commodities are imported from the adjoining coarta. Conls are the chief export. At the east end of the burgh ia linkic linuse, not far from which was fought tho battle of linkic. The Marquis of Hamilton, on behalf of Charles I., in 1638 met the Covenanters on the Links. In 1650 Cromwell's infantry encamped there. The iuhabitants of the village of Fisherrow derive their subsistence from the sale of fish at Edinburgh.

Portobello, about 3 miles E. from Edinburgh, population 3497 in 1851, unites with Leith and Muselhurgh in returuing one mamber to the Imperial Parliament. It is much resorted to in summer by the inhabitants of Edinburgh for sea-bathing. There are hot and cold baths. The town has some good streets; a few of the older streets are narnow. There are several churches aud chapels, and a good market-place. The town is lighted with gas. it is conneeted with the capital by the North British railway. Briek and tile-works, a fliutflng manufactory, and a paper mill, give cmployasent to many of the inhabitanta ; and there are salt-works near Joppa, a mall village eastwand of the town, hit within the boundaries of the burgh of Portobello.

The following villages, with the parish populatiou in 1851, and a few other larticulnrs, inay be mentioned:-

Borihwick, population 1614, about 12 miles S.E. from Ediuburgh. The castlc, built in 1480 , is in the form of a double tower, of great height and a magnificent lyall, with a vaulted roof. It was here that Queen Mary retired with Bothwell after their marriage, and from this castle she fied in diaguise to Dunbar. The castle was greatly injured by a cannonado from Cromwell. The houses of Borthwiek village are elustered round tho base of the castle. Caldcr (Mid), population 1474 , on the right bauk of the Almond Water, 12 miles S . W. from Fdiuburgh, pomesses an ancient gothic church and a chapel for United Preabyterians. In the vicinity is Calder llouse, the seat of Lorl Torphiehen. In Calder House in a portrait of Jolur Knox, which is said to be the ouly autbentic portrait of the IReformer. Knox prenched at Calder IIousc. Cramond, at the mouth of the Almond Water, contains between 40 and 50 houses; the parish is partly in Linlithgowshire. Cramond is said to have been a Roman statiou; many loman antiquities have been fonud here. The mouth of the river affords at high tide a small natural harbour. There are ironForkn a little way up the stream. Duddingzton, at the south-eastern base of Arthur's Seat, about 2 miles S.E. from Edinburgh, population of the village, 636. The parish church in the village is of great antiquity. An irun collar hangs at the chureh gate, a remnant illustrative of ancient eceleniastical diseipline. Gilmerton, about 1 miles S.F. from lidinburgh. Coal has been wrought here, it is said, for 300 Fears; and the lime-quarries are supposed to be the oldest In Scotland. There are a chapel of case, a Free ehureh, and a partially endowed school. Sranton, ou the Frith of Forth, 2 miles W, from Leith, and 8 mile N.W. froms Edinburgh, lins a good pier, $1 \% 00$ feet long and 180 foet broarl, and an hotel, erected by the Dulie of Bucclench; also the terminus, on the south side of the Forth, of the Edinburgh, Dundee, Perth, and Cupar railway. The ferry steamer carries the train on le dock from Granton to Burntisland, on the opposite shore of the Frith. Steamers ply regularly between London and Granton, which dividen with Leith the duties conneeted wlth the port of Edinburgh. On the pier arc neveral warehouses, witl cranes, slips, jettics, s. Several hadnome bousen have been built on the alioro. Invercsk; 6/ miles E. from Edinburgh by the North British railway, is beautifally eituated on a rining ground behind the town of Musselburgh, and watered by the Eak. IL containa many handsome houves, and is wall wowdel. In this frish are extensive coal-workn, Jawnode, about 6 milles S.F. from Fidinhurgh, population of the parteh 5821 , in much frequentert ma anmmer residence by the inhnbitante of Forlinhurgh. The farish chureh is hendsorue. Hewidea that of the parish, there are two Endowed echoolk, On the Esk are two corn-milln; but the gaper.
mills and carpet-manufactories aro the cloief nonrees of employment. A small fragment of the old cantle of Hawthornden, the resideuce of the puet Drummond, still cxinta ln the neighbonrhoor of the modern manaion. Under the house are extennive cavem, nid to have merved as places of concealment in the wara with linglask. Nowharen, on the shore of the Forth, half a mile W. from the town of Leith, Is iulabited by the fishermen who supply lidiaburgl. There is an old pier for the fishiag-boats and some of the steamers of the river. Here, aud at Trinity chain-pier, alroady mentioned, uumewous villas have been erectel. Pennycuick, or Pennicuil, 10 miles S. from Ediuburgh, population of the parish 3003 , cortaius extenaive paper-milla Roslin, 8 miles S. from Edinburgh. llere in the most extensive manufactory of gunpowder in Scotland. There are also a papernill and a bleach-field. IRoslin chavel and custls will bo noticed presently.
//intery, A ntiquities, dec.- Mid-Jothian was iu carly times iuhabited by the Ottadini and Gadeni, British tribes. The uames of various streams, hille, and villages in tho county are of Britisls extraction. The Romans, who licld possession of the county for about 400 yeana , ineluded this district in their province Valentis. Anglo-Saxous from the uorth of Eagland appear to havo succeeded the Romans, and in ancieut charters many names, evidently of Snxon origin, are found. Theu followed an infux of Scoto-lrish, it is said, from tho west. From the time of Malcolni Canmore the hiatory of Edinhurgh, then becoming a place of importanec, is closely connected with that of the dintrict gencrally, though many portious of the county have been the scens of events of national as well as of local interest.

Besides the Romnn remains already referred to, traces of loman camps exist in the parishes of Criehton, Mid Calder, West Calder, and Stow. Roman coins and many implements of dousestic use have beenfound in several parts of tho county. Feudal aud ecclesiastical nntiquities are numerous in this county. The finest is Roslin chapel, built in 1446, by William St. Ciair, earl of Orkney and lord of Roslin; which, after remaining perfect for nearly two ceutnries and a half, was much iujured towards the close of tho 17 ll century. The architecture is of a very florid and somewhat peeuliar style. The pillars aud arches of the nave are especially elnborate, one of them in particular, which is desigunted the "Prentice's I Illar.' The castle of Roslin, not far from the chapel, is a mere ruin, slinost inaccessible from the surrounding ground, except by a small hridge over a decp valley. Mauy fortalices are scattered over the face of the county, each possessiug its own history of local, if not of general iuterest. Crieliton Castle, a large quadrangular uass of ruins on the bank of the small river Tyne, a little way uorth-east from Borthwiek Cnstle, is finely deacribed in the notes to 'Marmion.' Craigmillar Castle, stauding on no cmiuence, separated hy a valley from Arthur's Soat, is a place of great antiquity, though a considerahle portion of the present building was erected after the destruction of the old castle by the liuglish after the battle of Piakie.
Mid-Lothian, an the metropolitan county, has from the earliest tiznes contained the residences of many powerful families; it now contains perhaps a much greater number of modera residenees thnn it did plaees of streugth in feurlal times. The liarl of Stair has a seat, Oxeuforl Castlc, in Cranston parish; Eldin llouse, near Lasswade, belonged to Lord Eldin; Arniston Hense, on the bauk of the South Eisk, iu Bosthwick parish, is the seat of the family of Dundas.
Industry, dec. - The more important hrauches of industry carried on in this couuty have been already referred to in connection with the different villages. Coal works and stono and lime quarries occupy the inhabitants reniding in the great miueral field of the county.; grazing employs the lighland farmers, and agriculture those occupying the low and rich land of the districts ons cach side of the Pentlands, nnd ou the shore of the Forth around Edinburgh. The ale of Edinburgh has long been celebrated. Therc are breweries near Musselburgh, and distilleries there, near Edinburgh, and at Katho. Paper and gunpowder are manufactured to a cousiderable extent ; and there are sereral bloach-fields and corn and other mills on the banks of the rivers lisk and the Water of Leith. In 1851 there were saviug bauka at Dalkeith, lelinuburgh, and Leith ; the total amount due to depositors on the 20th Norcmber 1851 was $257,161 l$. 17s. 8 d .
lidMONTON, Middlesex, an extensive village, and the sent of a Foor-Law Union in the parishand huudred of Eidmonton, is situated in $51^{\circ} 37^{\prime \prime} \mathrm{N}$. lat., $0^{\circ} 3^{\prime} \mathrm{W}$. long., distant ${ }^{\prime \prime}$ miles N. by E. from London by rond, and 101 miles hy the Eastern Conuties railway. The popnilation of the prarish of Edmouton $\ln 1851$ was 9708 . The living is a vicarage in tho arehdenconry of Middlesex and diocose of Londlou. Edmonton Yoor-Law Unien contaius 6 parishes, with an area of 47,880 acres, and a populatiou in 1851 of 45,352 .

The uame of the placo is given iu Domeaday Book ae Adelmeton; it appears to have been first called lidmouton about the bcgiuning of the 16 th century. The parish ehurch, a commodious califiee, was in great part rohuit in $177^{2}$ : the embattled tower at the west cud, and somo other part of tho building, are ancieat. In tho churchyard Charlen Lamh lies interred. The Quakera, Independents, aud Wesleyan Mothodista have places of worahip. Natiounl aud Infaut echools, soveral Findewed schools, aud the Children's Listablishment for the West London lour Law Union are in tho parial. lidmonton eoutains bany excellent villas, chiefly the residences of Loudou merchants.

Wyer Hall, about a mile north-west from the village, is a fine old mansion, built in the early part of the 17 th century.
(Lysons, Environs of London; Communication from Ednonton.)
EDOM. [IDOMEA.]
EDRENOS. [Anatolia.]
EdWard island, Prince. [Prince Edward Island.] eEcloo. [Flanders, Eass:]
EGER, a town, river, and circle, in the north-west of Bohemia. The town is situated on a rocky eminence on the right bank of the river Eger, in $50^{\circ} 5^{\prime}$ N. lat., $12^{\circ} 24^{\prime}$ E. long., and has a population of about 10,000 . In former days it was strongly fortified; but most of its defences have been levelled, and the ditches have been filled up. There are several handsome buildings in the town, among which are the deaconry church, six other churches, the spacious town-hall which stends in the market-place, a Dominican and a Franciscan inonastery, and the barracks. In the burgoniaster's house at the east end of the market-place the room is still shown in which Wallenstein was murdered in 1634. Eger has likewise a gymnasium, a military college, two hospitals, an infirmary, and an orphan asylum. Among the ruins of the Burg (citadel, or castle), the former residence of the margraves of Vohburg, which is situated in sn angle of the fortifications above the river, is an ancieot square tower built of black volcanic tufa. The double chapel too is very interesting, the lower one existed in 1213 and is supported hy granite pillars; the upper rests upou four slender marble columns with pointed arches, aud has an octagonal opening in the floor hy means of which persons without being seen could hear mass celehrated in the lower chapel. In the castle hall adjoiniug the chapel the friends of Wsllenstein were murdered previous to hia own assassinstion. After the perpetration of this crime the castle it is said was haunted, and was consequently suffered to fall iuto decay. Eger has msnufactures of broadcloth and kerseymeres, cottons, chintz, lesther, soap, alum, \&c. An avenue nearly three miles loug leads northward from Eger to liranzenbrunn, or Franzenbad, famous for its cold mineral snd saliue springs, and for its mud and gas baths. The avenue passes a remarisable couical hill called Kammerbuibl which is an extinct volcano. The baths are much frequented in the summer season, and reudered attractive by the beauty of the surrounding scenery. About 15,000 dozen bottles of the waters are annually exported.

The river Eyer rises in the northeast of the Upper Palatinate in Bavaria near the junction of the Bühmerwalde and the Erzgebirge with the Fichtelberg Mountains. A few miles below its source it quits Bavaria, and enters the west of Bohemia at Hohenberg, whence it fows eastward through a valley which abounds in pieturesque scenery and forms the natural division hetween the regions of the Erzgebirge and the Böhmerwalde until it reaches Theresienstadt, where it joius the Elbe: from the point of their confluence the Elbe hecomes navigable. The length of the Eger is about 90 miles; its hanks are high, and its hed stony; no part of it is navigable. The chief towns un its banks hesides Eger are Elbogen, Budin, aud Theresienstadt. In its lower course the Eger flows through an extensive marshy plain.

The Circle of Eger comprises the hasin of the Eger, and extends westward from the Elhe to Bavaria, from which it is separated by the Böhmerwalde. The Erzgebirge Mountains sepsrate it from Saxony on the north. Numerous offeets from these two mountainous regions cover a great part of the circle, and inclose many small valleys and plains. Both theac mountain rauges rise in their highest points to above 4000 feet above the level of the sca, hut their average height is not more than 3000 feet. They are composed chiefly of primitive rocks-granite and gneiss being everywhere prevaleut-with clay-slate, micn-slate, and near the Elbe sandstone. Both systems are extremely rich in metals; marble and coal are also found. [Bonemis.] One of the branches of the Erzgehirge, which crosses the east of the department to the south of Töplitz, is called Mittel-gebirge, or Middle Mountains ; the highest point is the Milleschauerberg, which has an elevation of 3000 feet ahove the sea-level. The mouutains generally are covcred with forests; the southern slope of the Mittelgebirge however is gencrally a desolate regiou bare of trees, but abounding in bitter salt-aprings, the waters or the salts of which (obtained hy evaporation) are largely exported. The circle contains numerous evidences of volcanic agency at some long-distant epoch. Of these the most remarkable are-the Kammerbühl, a vast conical hcap of scorix aud columnar basalt thrown up from beneath mica-slate, between the town of Eger and the baths of Franzenbrunn; the Teufelsmauer, a remarkable precipice of basaltic lava 1100 feet high, passed on the road from Töplitz to Bilin ; and near the latter place a singular isolated basaltic mok of vast dimensions. [Brisis.] The circle is famous for the number and excellencc of its cold and hot mineral springs; among the latter Carlsbad and Töplitz have a world-wide reputation, and are amongst the most aristocratic watering-places in Europe. The nature of the soil, except in a small proportion of the surface, is unfavourable for agricultural operations ; in this the usual corn-products are raised, but not sufficient for the consumption. Hops of excelleut quabity and good wine are grown near the Elbe. The iuhabitants live chicefly by miniug, manufactures, and trade. The mineral products are silver; tin, lead, iron, sulphur, nitre, garnets, coal, \&c. The mauufactures are woollen and cotton stuffs, lace, hosiery, paper, chinn-ware, Bohemian
glass, tin- and pewter-wares, iron- and steel-wares, chemical products, papier-mâché, \&cc. The country is traversed by numerous good common roads leading from the valley of the Eger to Saxony, and by the gorges and passes of the Erzgebirge, and southward to Prague and Pilsen. The great railway from Vienua to Dresden through Prague skirts the eastern side of the circle passing through Theresienstadt, Lobositz, and Aussig; and a branch line runs from Prague to the Eger at Laun. Small steamers ply on the Elbe from Dresden to within 20 miles of Prague. The country is interestiug to the tourist for its extensive and picturesque views, and its numerous old castles and convents are rich in historical and legendary lore. The climste is cold in winter, but except in the marshy countiy on the lower Eger it is healthy. In some of the mountain valleys of the Erzgebirge goitrous affections and cretinism are prevalent. Besides the Eger ahove noticed, the only streams worth nutice are its feeders, the Töpl and the Striela from the right bank, the Zwoda and Weistritz from the left bank; and the Bila which is joined by the Saubach from Töplitz and enters the Elbe at Aussig. The Töpl flows northward through a long narrow valley hemmed iu by wooded offshoots of the Böhmerwalde, and enters the Eger below Carlsbad. Near its source are the large convent of Töpl, the baths of Marienbad, and the fioe château of Königswart, belonging to Priuce Metternich. The circle has an area of 2861 square miles, and a population of 560,732 . Near the borders of Saxony and Bavaria German is spoken, but in the interior the language is a dialect of the Slavonic, which is spoken by the Chechs, who form the great bulk of the population. [Bонemi.].]

Towns.-Eger, the capital of the circle, is noticed above. Among the other towns we give the following: -Asch, 14 miles N.W. from Eger, and the most western town in Bohemia, hss about 5000 inhsbitants, who manufacture cottou hosiery, woollen stuffs, aud wire. Aussig, at the conduence of the Bila with the Elbe, is a small mauufacturing towu with about 2000 inhahitants. It is the hirth-place of the painter Raphsel Mengs, and is a station on the Prague-Dreaden railway. Bilin, a small walled town on the Bila, to the south-west of Aussig, and famous for its alkaline mineral springs, has beeu already noticed. [Brlin.] Carlsbad, celebrated for its hot springs, is described under its proper hesd. [Carlsbad.] Ellenbogen, Elnbogen, or Elbogen, a picturesque old town built on a rocky promoutory, round which the Eger bends, 18 miles N.E. from Eger, has about 2000 inhabitants and a manufactory for chiua ware. The town was formerly eutered by one narrow gate flanked by a wicket for fuot passengers, but the construction of a handsome chaiu suspension-hridye across the Eger, which flows round the north side of the town, has necessitated the opening of a new approach in that direction. The castle of Elbogeo, oue of the oldest in Bohemia, is now used as a prison. A large mass of meteoric iron is exlibited in the town-hall. Franzenbrunn is noticed ahove. Graslitz, high up the Erzgebirge, 19 miles N.N.E. from E'ger, near the source of the Zwoda, has a population of about 5000 , engaged in the manufacture of cotton-yarn, paper, musical instruments, lookingglasses, \&c. Joachimsthal, situated in a gorge of the Erzgebirge, ut a distance of 30 miles N.E. from Eger, is au old mining towu with above 4000 inhabitants. It was formerly a place of much greater importance than at present, owing to its silver-mines. In the silver-miues, which are said to be the oldest in Europe, 400 men are employed instead of 800 as formerly. The first silver dollars, it is said, were coined here, the German name for dollar (thaler, 'valley-pieces') being a contraction of Joachimsthaler. Zinc and cobalt are also obtained from the mines; wire, smalt, and vermiliou are manufactured. Kaaden, on the left bank of the Eger, at a distance of 45 miles N.E. from the towu of Eger, has a large corn-market and 3500 inhabitants, who manufacture woollen stuffs aud hosiery. Kommotau, a few miles N.E. from Kaaden, on the road from Prague to Cheunitz, is a walled and wellbuilt town, with a populatiou of 3 i 25 . Woollen stuffs, cotton prints, aud beer are the chicf industrial products. In the environs are alummioes and alum-works. Künigsberg, 9 miles below Eyer, on the right bank of the river Eger, has an old castle, some trade in corn aud hops, and a population of 3900 . Laun, on the right bank of the Eger, on the high road from Prague to Chemnitz, is a busy little town with about 2000 iuhabitants. The Eger, which freqently overflows its banks near the town, is here crossed by a long stone bridge. The neighbourhood has rich pastures and celehrated apple-orehards. The town is surrounded by old walls; there is a hranch railway to Prague. Lobositz, a small town of 1200 inhahitants, situated at the foot of vine-clad hills, on the left hank of the Elbe, is a station ou the railway from Vieuua to Dresden. A bridge connects it with Leitmeritz on the right bank. Saatz, a walled town of 5000 inhabitants, on the right bank of the Eger, which is here crossed by a handsome chain suspen-sion-bridge, is ahout 10 miles W. from Laun. It is au ill-built, miserable-looking place. The principal structures are a collegiate church, a capuchin monastery, and the gymnasium. The study of St. John Nepomuk is still shown iu the town. There is some trade in wine and hops grown in the district round the town, aud the best products of the kind in Bohemia. Nurth-enst of Satz, on the road to Toplitz, is Brux, a small place of about 2900 inhabitants, engaged priucipally in the conl-mines of the neighhourhood, and in preparing salts for export from the mineral springs. The country between Brux and Santz is for the noost part desolate, bare of trees, and devoid of fresh water, but ahounds with springs, most of which are impregnated with

Litter malta Heve are the springa of Pillna, Saidchufz, and Serlith, miserable villages, not froqnented as watering-placen; but water from the eprings to which they gire name in oraporated, and the alta that rerumin so exported in large quantitics. To the north of Brux, and at the foot of tho Eragebirge, is the large Cinteroian convent of Oaseg. Schlackenwald, or Sichlaggen wald, 20 milen Es from Eigor, in a valley screened by forent-clad offhoole of the Buhmerwalde, and near the loft bank of the Töpl, has about 8000 inhabitante, who manufactnre woollen cloth, porcelain, aud tin and pewter ware, and work in the welghbouring tin. mines Thererienstadt, a strongly-fortified town, built by the omperor Jomoph II. in the muldst of the morneses at the junction of the Eger with the Elbe, hes a propulation of about 1500 , oxclunive of the military. The defencen of the place ane very strong; the country round it can be imndaterl by neans of sluices. The situation however is unhealthy. Toplitz, the famous watering-place, is noticed in a separate articla [Türurz]

EGHAM. [SURREY.]
EGHIN. [AmaENTA.]
EGREMONT. [CUYBERLAKD.]
EGRIPOS [FUBEA.]
EGTAQ-ALTAI MOUNTAINS, [Altar MOUNTANs.]
EGIPT, AND FGYPTIANS. Egypt (Mizr or Mivaim iu Hebrew, Masr in Arabic, and Chamf or Chemf in Coptic) is withiu the limits of Africa, though bordering on Asia. It is bounded N. by the Mediterrancan ; E. by the little river of El-Arish, on the borders of Palestive and the Syrian or Arabian Desert, which extends from the Mediterranean to the Gulf of Suez, and theuce southward by the west coast of the Red Sea; and W. by the Libyan Descrin Egypt Proper is merely the long nerrow valley of the Nile, below the rapids or cataracts of Assouan, the ancient Syene, which hare beeu regarled as the southern boundary from the oldest time. But the political limits of Egypt hare exteuded both in ancient and modorn times further south along the Vallcy of the Nile into the country known by the general name of Nubia, and in modern times over the western desert as for as the Onses, and the eastern oountry to the Red Sea. The length of Egypt from the cataracts of Sycne, $24^{\circ} 3^{\prime} \mathbf{N}$. lat., to the most northern point of the Delta on the Mediterrancan, $81^{\circ} 37^{\prime}$ N. lat., measuree on the map about 500 Engllsh milen; but the length of the cultivated parts of Egypt, or the Valley of the Nile, is, including the Delta, at least a hundred miles more. The Valley of the Nile and the Delta are the only parte, excepting the Oases, where there is a settled population. We may therefore consider Egypt under each of these four great diviaions:-1. The Valley of tho Nile; 2. The Delta; 8. The Wiestern Desert and the Dases therein Inclosed; 4. The Eastern country towards the Red Sea.

1. Valley of the Nile.-The Nile coming from Nubla runs through a deep and narrow valley sunk betweeu two ridges of rocky hills, whleh rise in some places more than 1000 feet above the level of the river. The brealth of the valley varics considcrably, but it in seldom more than 10 milles, ond in many places, eapecially in Upper Egypt, it is not two milea, fucludiug the breadth of the river, which varies from 2000 to 4000 feet. In its course within Egypt the Nile contains numerous islands. From Assounn to Selseleh a distance of about 10 milea, the river runs neorly in the middle of the valley, leaving little cultlvable land on each side. As we advance northward the western ridge recedes from the river, so as to leare a space of several miles between the lcft bank and the foot of the hills, while the east chain keens closer to the corresponding or right bank of the Nile. North of Kench the river forma a great bend to the west and northweat as far as Mingeh ( $25^{\circ} 8^{\prime} \mathrm{N}$. lat.) , near which it reaches its westernmost point, which is about 120 miles to the west of the longitude of Kenel; it then inclines egain to the north-enst a few miles beyond Benisonef, after whlch it assumes a course nearly due north to tho apex of the Delta. From Farnhout, half way between Kench and Girgeh, a canal nins parnllel to and west of the course of tho Nile under the different names of Moye Souhadj, Bahr Joussouf, \&c., for obout 250 miles to Benisouef, where an opening in the westeru ridgo allowe aranch of it to pass into the district of Fnioum, which it irrigates and fertilises. Its aurplus waters then flow into the Birketol. Keroun, the ancient Moeria Laka [Brrket-pl-krnous; Faloun.] Another bmnch of the Bahr Joussouf continues to follow thic course of the Nile northward an far mo the Delta, The Mahr Joussouf from Ashmonneln to Benisouef runs at the distance of 3 to 6 miles from the river; the wentern ridge being here from 8 to 10 mlles , and near Beninouef 15 milen, distant from the Nile. The banks of the Bahr Joumouf, like those of the Nille, are rained hlgher than the rest of the ralley. Conmquently between the canal and the Nile there la a kind of depremeion. On the other or weat side of the cainal In a metrip of cultlraterl land an finr as the lnupilation or artificial Irrigation extenda, beyond which and to the foot of the ridge is a strip of mand, light and driftlng in the neighbourbood of the cultivaterl ground, and coarser and mixell with pebbles near the base of the hllia. Conseqnently the cultiveble laud along the banks of the Nile, both to tho enst aurl th the west of the siver, by no means necipien the whole lirealth of the valley. The Bahr Jounnouf appearm to lo the nine se the Oxyrliyuchus Canal of ancient thinen, which Strabo, while railing along it mistook for the Nile linelf, on account of lts magnitude. North of llenisouef tho wentern range, the belght
of which becomes lem and lose as It advances northward, again approachea the river near Sakkarah, and form in the noighbourhood of Jizeh a kind of natural terrace, on which the great pyramids mtund. Tho ridge then continuen to skirt the western or Ilosetta branch of the rlver an far as the ucighbourhood of the Canal Bahireh, which onco oominunicated with the Lake Mareotin. Tho ridge here inclinem to the went, and joins tho hills whlch skirt the valley of the Natron laken. [BaHR-BELA-MA.]

The eastern range leaves the banks of the Nile at a higher or more southern point than the went ridge. Froin Mouut Mokattom, near Calro, it turns off abruptly to tho east, and under the umne of Jobel Attaka runs to the Ied Sea, near Sucz. North of it tho sands of the desert of Suez spread close to the castern skirte of the Delta

The general charncter of the western ridge which bonders the Valley of the Nile is a limentoue formatlon which contains nnmerous fossil whells. The great pyramid is built of this kind of stone. In the noigh bourhood of Enneh, in Upper ligypt, a aandstone formation commences, slternating with limestone, but the mountains contaiu also slate and quartz of various colours. The great alabe used is the construction of the temples of Egypt, with the exception of those of tho Delta, were of sandatone, as woll as many of the sculptures or statues. In the neighbourhood of Sclselelh are extensive quarrien of sandstona.

The roountaln rango on the eastern sldo differs in some respectsin ite geological character from the western ridge, and it gencrally risee more abruptly, and often close to the cdgo of the river. From Mouut Mokattem, near Cairo, the limestone extends mouthward, thongh with many intcrruptions, as far as on the western side of the Nile. liut basalt, serpentine, and gravito appear to comnence carlier, and to charao. terise the eastern more stongly thau the westorn nide. Near Assouan the granite alternates with the decomposed sandstone, exhibiting an irregular and broken appearance, which has somotirues been compared to a ruin. On the east side of tho Nile, pear Assound, scattered ubout the foot of the mountains, and occnsionally close to the river, aro those extensive granite quarries which furnished the aucient Egyptiaus with materials for their colossal statues and obelisks.
2. The Delta. The Nile issuing from the valley a fow miles north of Cairo, cnters the wide low plaiu which, from its triangular form and its resemblance to tho letter $\Delta$, received from the Greeks the name of the Dolta. The river dirides into two brauches, that of lesetta, or old Canopic, and that of Damint, or Phatuitic. 'the figure of the Delta is now determined by these two branches, although the cultitivated plain known by that name extcuds east and weat, as far ns the sandy desert on each side. In ancient times the trinugle of the Delta was much more obtuse at its npex, ns its right nide was formerl by the Polusine branch, which, detaching itself from the Nile higher up than the Damiat branch, flowed to Pelusium, at the eastern extremity of Lake Menzalch. This bruach is uow in great measure choked up, though it still serves partly for the purpose of indigation. West of the Pclusiac branch tho Mocs Canal correspouds with the Tmuitie or Saitic branch of the ancicuts, and the Menzaleh Canal with the Mcadesian branch; they both enter Lake Mcuzaleh, a vast salt inarsh, 40 miles long, which communicates with the son by neveral outlets. Between the Durciat and the liosetta branch are numcrous canals, largo and small, intersecting the country in every direction. Aloug the sea-coast is auotber salt lake or marsh, called lurlos, communi. cating with the rea by an ontlet, which is probably the sano as the Sebennytic mouth of the anciont geogrnphers. l'roceoding westward we meet with the Rosettn, or Bolhitiue, mouth, which with that of Damiat are uow the only two entiances from the sen luto the Nile, and they are eccessible only to mmall ressels. The Nile at Kosctha is 1800 fect wido, and at Damiet 800 feet Wert of Rosutts, a anlt marsh, called Lake Etko, hns beeu formed, which comanuuicates on one side with the Nile, and on the other with the sen or Aboukir IBay, by an outlet which correaponds to the old Canopie mouth. West of Lake Jitko is the Lake of Aboukir, which likewise communicates with tho sea, and is divided from Lako Marootis to the south-went of it ly an isthinus, along which passes the cnual of Alcxandria, which was restored by Meliemet Ali and is now known ns the Mahmudiyoh Camal. [Afexandha; Birket-ElfMariout.] This canal was nsord for the conveyauce of masengers by the overland route to Indin. From the mouth of this canal at Atfeh the passengers proceod along the Nilo to Boulak, the port of Cairo, in steambonts constructed for the sorvice; and thence across the descrt in caravens to Suez A railway is now in oourse of construction mainly for the overland service, which is intended to connect Alexandria with Sucz
The greatest breadth of the Delta, or cultivated plain of Lower Figyit, is about 80 miles from east to west; its lengels from tho bifureation of the river to tho sea is about 90 miles. The Interior of the country, which is covered with fielels, orcharls, and plantations, oxhibita different aspects according to the various seasons. The rise of the Nilo occamloned by the periodical rains of Central Africa, begins in Juuo about the sumaner molstice, and it continues to increane till Soptember, overflowing the lowlands along its course. The Deltn then looks like ou inmense mandl, intormpersed with numerous islaurls, with villaces, towne, and plantations of trees just abovo tho water. Should the Nilo riso a few feet above it customary elevation, tho inundation
sweeps away the mud-built cottages of the Arabs, drowns their cattle, and involves the whole populatiou in ruin. Again, should it fall short of the ordinary height, bad crops and dearth are the consequences. The inundations having remained stationary for a fow days hegin to subside, and about the end of Novemher most of the fields are left dry and covered with a fresh layer of rich brown slime: this is the time when the lands are put under culture. During onr winter months, which are the spring months of Egypt, the Delta, as well as the Valley of the Nile, looks like a delightful garden, smiling with verdure, and enamelled with the blossoms of trees and plants. Later in the year the soil becomes parched and dusty; and in May the suffocating khamseen begins to hlow frequently from the south, sweeping aloug the fine sand, and causing various diseases, until the rising of the beneficent river comes again to refresh the land. Showers are very rare in Egypt, except on the sea-coast; it rains three or four times in the jear at Cairo, and once or twice in Upper Egypt, hut perhaps not every year. The nights however are cool, snd the dews heavy. Strong winds hlow from the north during the summer, at the period of the inundation, and are very useful in propelling vessels up the Nile against the current.

Whatever may have been once the case, it appears to be ascertaiued that the coast of the Delta does not now advance; the currents which sweep along the uorth coast of Africa preventing any permanent accession of alluvial soil to the Egyptian shore. The gradual elevation of the soil of the Delta and Valley of the Nile has also boen much exaggerated. From the most careful calculations the land since the time of the Ptolemies at the first or lowest cataract only appears to have been raised about 9 feet, at Thebes about 7 feet, at Cairo about 5 feet 10 inches, and thence, ss the inundation spreads over an incressiugly wider space east and west along the Delta, the elevation continually diminishes, till at Rosctta and the mouths of the Nile it is hardly perceptible : hut the effect of the accumulation of soil on the Delta appers to he also counterbalanced hy the gradual subsidence of the land along the coast here. With this raising of the soil from the alluvial deposits the bed of the river has also risen in proportion. The height of the lnundation requisite for the irrigation of the land, making allowance for the difference of measures, appears to be nearly the same as in the time of Herodotus. The vertical increase of the cultivated soil must not he confounded with the accumulation of sand in some particular places, as round the great aphinx, \&c. Which has been in many instances the work of the wind.
3. The Western or Libyan Descrt. -The nominal limits of Egypt along the sea-coast west of Alezaudria are the nountains at Akabah-el-Soloum, the Catabathmus Magnus of the ancients, about $25^{\circ}$ İs. long., where the nominal limits of the pashalic of Tripoll begin, but this extensive tract of country is occupied by indepeudent tribes of nomadic Arabs. Inland to the south is the oasis of Siwah, or Ammon. [Srwan.] Farther to the south-east, aud nearer to the Valley of the Nile, is a succession of oases, begiuning with the Little Oasis, now called Wah-el-Bahryeh, or Wah-el-Behnesa, haviug heen colouised by people from Behness, or Oxyrhynchus. The chief town or village is El-Kasr, ahout $28^{\circ} 16^{\prime} \mathrm{N}$. lat., $28^{\circ} 51^{\prime} \mathrm{E}$. long. It is threo caravan days' journey S.W. from Faioum, across the desert. 'lhis Wal is fertilised by irrigation from plentiful and never-failing springs; it produces wheat, rice, harley, clover, liquoricc, and a variety of fruit-trees. A short day's journey to the south of it is the small wah of El-Hayz, and three days further south is that of Farafreh. Five or sis days west of the road to Farafrell is another oasis, called Wadi Zerzoora, abounding in springs and palms. Gerbabo, another wah, lies six days still farther to the west, and twelve days from Augila: the inhabitants are said to be hlack, probahly Tibhoos, and aro far removed beyond the dominion of Egypt. Four days south of Farafreh ls the Wah-el-Gharbee, or Wah-el-Dakhleh, which although mentioned by Arah writers was unknown to recent Europeans till discovered by Sir A. Edmonstone in 1819. It has however a temple of Roman date, with the uames of Nero and Titus upon it. The condition and population of this oasis is superior to those of the others already mentioned: it contains 11 villages or towns, and a population of 6000 male inhabitauts. It abounds with fruit, particularly olives and apricots; but dates, as in all the oases, form the principal produce of the district. The principal vlllage, El-Kasr Dakhel or Dakhleh, 18 in about $25^{\circ} 35^{\prime}$ N. lat., $28^{\circ} 55^{\prime}$ E. long., above three degrees W. from Thebes. There is a warm spring of the temperature of $102^{\circ}$ Fahr., which supplies several baths attached to the mosque. Three days to the eastward of Dakhleh, in the direction of Esnell, is the Grent Oasis, or Wah-el-Khargeh. It extends in length from $24^{\circ} 80^{\prime}$ to near $26^{\circ} \mathrm{N}$. lat., and has many villages and spriugs, as well as ruins of the ancient Egyptian time, of the Roman period, and of the Christian and the Saracenic cras. Several roads lead from the Great Oasis to the Nile, to Esuch, Siout, Farshout, and Thehes. The road to Dar-fur passes through it. This onsis, as well as that of Dakhleh, are ncarly on the same level as the Valley of the Nlle, while the Little Oasis is about 200 feet higher than the Nile in the latitude of Benisouef.
4. The Eastern Country. -The large tract between the Valley of the Nilc aud the Hed Sea has a different character from the western or Libyan Descrt. Its general character is that of a mountainous region, whieh, although gencrally rocky and barren, is intersected hy
numerous wadis, or ravines, fertilised hy springs and clothed with vegetation. Several Arab tribes divide among themselves the whole tract, which cannot therefore he called properly a desert. In ancient times the roads leading from the Valley of the Nile to the shores of the Red Sea passed by regular stations, and villages and towns with a resident population. Mines of various metals and quarries of porphyry and other valuable stones are seattered among the mountains, and were once regularly worked. At present the only fixed habitations are at the port of Cosseir, and at the Coptic monasteries of St. Authony and St. Paul. The convent of St. Anthony is about 17 miles from the shore of the Mersa, or Bay of Zaffarana, which terminates the Wadi Arabah. From St. Anthony to Deir Bolos, or St. Paul, is a distance of about 14 miles hy the road. The Kolzim ridge lies between the two. Deir Bolos is only 9 miles from the sea to the south-east of Deir Antonios, and at Wadi Girf hetween it and the $s$ ea are the remains of houses and catacomhs which appear to helong to the Greek period. At Jebel Tenesep, ahout 15 miles S.E. from Deir Bolos, the mountains diverge into the interior to the south and south-west towards the Nilc, and are succeeded near the sea by a range of primitive mountains which ruu down the whole way to Cosseir, at a distance of from about 20 to 30 miles from the coast, the intervening space heing occupied in some places by low limestone and sandstone hills. Jebel Ghrarih, about $28^{\circ} 15^{\prime} \mathrm{N}$. lat., in the primitive range, is described as resembling in its lofty peaks the Aiguilles of Chamouny ; its height is estimated at nearly 6000 feet above the sea. About 20 miles farther sonth, in a range of low hills, are copper mines, which appear to have heen once extensively worked. At Jebel Dokhan, $27^{\circ} 26^{\prime}$ N. lat., and about 25 miles from the sea, are the ruins of a town, and vast quarries of porphyry, with ancient roads crossing the mountains in all directions, and two wells cut through a solid porphyry rock. A small temple of red granite, with an inscription of the time of Hadrian, and dedicated to Serapis, has been left uufinished; all the materials are on the spot, hut not a column was over put up, and nothing was completed. A road led from Dokham to Coptos, now Koft, on the Nile, about 100 miles to the south-west, and another road to the port of Myos Hormos, once a great mart on the Red Sea, but which was already deserted in the time of Pliuy. There are some fine valleys in these inountaius, but the sea-coast is marshy and unwholesome. At Fateereh, about 40 iniles S.E. from Dokhan, in the old road to Cosseir, are ruins of a Roman station, with a temple of the time of Trajan, and quarries of granite. South of Cosseir the mountains coutinue to run parallel to the coast as far as Jehel Zabarah, or the Mountain of Emerald, which is ahout eight hours from the coast, and farther south-east to the ruins of Berenice. The coast of the Red Sea was surveyed in $1830-33$ by Cominander Moresby and Lieutenant Carless, H.E.I.C. service.

Ancient History.-Egypt was one of the countries earliest civilised and brought under a fixed, social, and political system. The firat king mentioned as having reigned over that country is Menes or Men, who is supposed to havo lived ahove 2000 years B.c. The records of the Egyptian priests, as handed down to us by Herodotus, Mauctho, Eratosthenes, and others, place the eru of Menes several thousand years farther hack, reckoning a great number of kings and dyuasties after him, with remarks on the gigantic stature of some of the kings and of their wonderful exploits, aud other characteristics of mystical and confused tradition. (See Eusebius, 'Chronicorum Canonum libri duo,' edited by A. Mai and Zohrab, Milan, 1818.) The chronology of this early period is very uncertain. It has becn coujectured that several of Manetho's dynasties were not successive, but couteniporaneous, reigning over various parts of the country. Something lika a clronological series has however heen made out from the time of Menes by Champollion, Wilkinson, and other Egyptian archæologists, partly from the list of Manetho and partly from the phonetic iuscriptions on the monuments of the country. Lepsius, Buusen, and others have arranged the ancient hlstory of Egypt under the Old, Middle, and New Monarchies : the Old extendiug from the foundation of the kingdom of Menes to the invasion of the Hyksos; the Middle from the coaquest of Lower Egypt hy the Hyksos to their expulsion; tho New from the re-estahlishment of the nouarchy by Amosis to the final conquest of Egy pt by Persia, B.c. 350.
Menes was of This in Upper Egypt ; soon after his death the country appears to have heen divided iuto a southern aud a northern kingdom, governcd respectively hy a Thiuite and a Menıphite dynasty. Other Independeut principalities appear to have existed at the same time. Of these the most famous were the Memphite kings, Suphis and his hrother or hrothers, to whom the great pyramid is attributed, and who are supposed to he the same as the Cheops and Cephren of Herodotus, although that historian has placed them much later, after Sesostris and Moris, and Osirtasen I., who reigned about B.C. 2080 , who appears to lave hecome confounded with Rameses 11., to whom also his name under the form of Sesostris was transferred. Ahraham visited Egypt about B.o. 1920, and we lave tho teatimony of the Scripture as to the high and flourishing state of that country at that early period. The Scripture calls the kings of Egypt indiscriminately Pharaohs, which is uow ascertaiued to be uot the proper name of the individual monarchs, hut a prefix like that of Ceesar and Augustus given to the Roman emperors. The word Phra in the Egyptian languago meant the sun. Little or nothing is known of several successive
dynasties escopt the names of mome of the kinge Under the IOLh dynasty, about ac. 1700 , Joseph, and afterwands Jacob and hisia family, came to Fgyph where their deacendants settled and unultipiied in lower Egyph Fgypt was then the granary of the neighbouring nations, and appareatly the centre of a groat cararan-trade carried on by the Arabe or Ishinaclites, who brought to It the apleos and other valuable products of the east. (Genesis, $x \times x v i i .25$. .) Joneph diod very old, under the 17 th dynasty, which was also from Lower Egypt, and which reigned from B.C. 1651 to 1575. About this period "there arose n now king who knew not Joseph." (Exodus, i. 8.) This was the head of the 18 th dignasty, from Diospolin, or Thebes, which dynasty reigned 840 years, according to Fusebins and other chroniclera, and which contains the names of the most illustrious sovercigns of ancient F-gjpt. The irruption of the llykson, or shepherds, is aupposed by some to have occurred during this period. Manetho's 17 th dynanty convists of abepherd kings, who are said to have reigned at Menphin These shepherds, who aro represented as peoplo with red bair and blue eyea, came from the north-east, perhaps from the mountains of Asayria; they conquered or overran the whole country, committing the greatest ravages, and at last settlod in Lower Egypt, where they had kings of their own race. Tbey were finally expelled by Amoris, the Ieader of the 18 th dynasty, about b.c. 1530 , who once niore united Egypt under the dominion of a single monarchy, assuming the title of 'Lord of the Upper and Lower Country.' Ilis succession marks the commencement of what has been termed the New Monarehy. The Exolus of the Israelites, about B.c. 1490 or 1460, occurred in the reign of Thothmes 111. or his successor, some 430 years after the visit of Abrahain to Egypt. Remeses II., or the Grent, son of Usirei 1., who cended the tbrone about B.c. 1350, and reigned above 40 years, is supposed to be the Sesostris or Sesoosis of the Grcek historians. He was one of the most warlike monarchs of ancient Egypt, and his wars extended far, and ngainst many nations. Some of these are represeuted on the monumeuts of Thebes as of much lighter complexion than the Egyptians, witb flowing beards, and dresses evidently Asiatic. His compaigns extended far into Asia, and the interior of Africa. That the oid kings of Egypt extended their dominions to the enst and north-cast, as was done by their Greek and Mohammedan successora, is attested by the Scripture ( 2 Kings, xxiv. 7), nnd by the inscriptions on the Egyptian paintiugs and other monuments (Wilkinson, 'Ancient Egrptians.')

The 19th dynasty, also of Diospolitans, began abont s.c. 1270 , and reigned till about B.c. 1170. During tbis period the war of Troy took place, in the reign of a Remeses, supposed to be the fift of that name, according to Pliny. The Pharaob whose daugbter Sulomon married ( (ac. 1013), must have been one of the 2lst dynasty. It is curious that, from the Exodus till Solomon's time, a period of nearly five centuries, uo mention is made in the Scripture of Egypt, which proves that the storm of war, if such there was, passed off either to thio eastwaril of Palcatine, or that the Egyptian conquerors followed the maritime rond by Gaza and the Phocnician coast, leaving the high Iaud of Judee to their right. (Wilkinson, 'Materia Hieroglyphica,' part ii.) The 22nd dynasty began with Sesoncbis, according to Manetho, the Sheshonk of the phonetic signs, who begnu to reign about b.c. 978 , and who is the Siimhak of the Scripture, at whose court Jeroboam took refuge, and married his daughter, and who, after Solomon's death, plundered the T'emple of Jerusalem in the 5th year of fiehoboam, about b.c. 971 . Shishak is repreacnted as coming to the attack with 1200 chariots and 60,000 horsemen, aud an immense multitude of Lubims (probably Libyans), of Sukkiims, and Ethiopians. (2 Chıonicles, xii. 2,3.)

The 23rd dynasty, called Diospolitan, like the preceding, began about B.C. 908 with Usorkon II. 11 omer is believed to have flourished about thia time, and he speake of Fgypt under its Greek name. The 24 th dynasty, which is called Saite, from Sais, a district of Lower Egypt, begius with the Bocchoris of Manetho, the Bakhor or Pehor of the phonetic signn, about B.c. 812. Sabacos (Sabnkoph, phonetic), hegins the 25 th dynasty of Ethiopians, who about this time iuvaded Egypt, or at ieast Upper Egypt. Tehrak or Tirhakah, oue of his successora, attacked Sennacberib, B.c. 710. Sethos, A priest of Hephasus, the great templo of Memphis, became king, and ruled at Memphis contemporary with Tirhakah. After the death of Sethos a great confusion or anarchy took place. At lant twelve chiefs or unounrchs assembled at 3lemphis, and took the direction of affairs, which they retained for 15 yearl After thin, Pamatik 1, or Pmammitichus, the son of Nechao or Nocom, who had been put to dcath by Sabacos, becarne, by the aid of Greck mercenaries, king of all Egypt about B.c. 650 or 670 . His non Necon 11., the Pharaoh Neclioh of the Scripture ( 2 Kinge, $x$ xiii.), marched against the king of Asayia to the river Euplirates: he defcated and slew Jouinh, King of Judah, B.c. 610 ; he alioo began the easal that joined the eart branch of the Nile with the Red Sen. It was in his reiga that the Figgptians lost possession of Syria. His succemor, Pramatik 11., was followed by Pamatik 111, mupposed by come to be the Apries of Manetho, and the Pharioh of Hophra of the Scripture, who defented the Phocnicians, took Sidou, and invaded Cyprua, which was fiually subjected by Armania, who succeeded him on the throne. The reign of A masia lated 44 yeara, according to a date on the monuments ; his successor, Peammenitua, reigned only six months, when Egypt wha invided and subjugated by Cambysen, B.C. 625.

The 27 th dymaty includes the Persian king from Cambyses to Darius Jothus, during which time Ekypt was a proviuce, thougla a very annruly one, of the Pernian monarely. It was during this period that Herodotua vinited F:gyph Though ho saw that country in a state of humilintion aud depreasion, yet he was powerfully struck by its buildings and its highly adranced social state, as well as by the peouliarities of its mauners and institutious. Legyt appears to have made upon Herodotus an improssiou something like that produced by Eugland upon French or other contiuental travellers in the last century, as being a country unlike any other. But Ilerodotus derived his information concorning Esyptian history chiefly from the priests of Memphis, and consequently his account is very meagro in ail that relates to Thobes aud Heliopoli, the two other great centrea of Fgyptian hicrarelig. After aeveral revolts the Eigyptinns succooded in placing Anyrteus, or Aomahorte, a Snite, on the throne, about B.c. 414. This king alone constitutes the 2 Sthi dynasty. The magnificent sareophagus of green breccia in which this wounrch was interred is now in the British Museum. 11e was succeeded by the 29 th dynasty, of Mendesians, who defended 1sypt against the repeated aitacks of the Persians, with the assistance of Greek nuxilinrien under Agesilaus and othera, At last Nectancbos 11. being defented by Ochua, fled into Ethiopia b.c. 350 , and Egypt fell again under the yoke of the Persinns. With Nectanebos ends the Egyptian dynasties.
The Persiaus were gncceeded by the Macedonians, who, after the death of Alexander, founded wie dynasty of the Ptolemies, or Lagidx, who ruled over Egypt for ncarly 300 yeara, and restored that couutry to a considerable degree of prosperity. At the death of Cleopatra, B.c. 30 , ligypt was reduced to a Roman province by Augustus.

Having now closed this brief summary of the history of ancient Egypt, imperfect and conjectural in part as it unavoidably is, we shall in a few words advert to the social coudition of the country under ite native kinga. Thst coudition is now tolerably well kuowu by the attentive examination of its remaining monuments and their aculptures and paintings. The resenrches of the French in the expedition to Egypt, and of Belzoni, Champollion, Rosellini, Wilkiusou, and others, have put us in possession of a series of Eketches evidently drawn from the life, and descriptive of the arts, industry, and lanbits of the aucient ligyptinns. To these works and tbe plates which accompany them we must refer the reader for particular details; here we can only speak as to the general results. There is no doubt that tbis singular nation had attained a high degree of refinement and luxury at a time when the whole western world was still involved iu barbarism; when the history of Europe, ineluding Greece, had not yet begun; aud long beforo Carthage, Athens, and Rome were thougbt of.
Egypt Proper, as we have said, consisted in ancicnt ns in modern times of the narrow rock-bound valley of the Nile. it was at first divided into Upper and Lower Fgypt, but a third prorince was subsequently formed out of thcse and called Heptanomis, or Middle Egypt: the capitals of these prorinces were Theber, Mernhis, and Heliopolis. The provinces were again divided into nomes, or distriets, which in the time of Sesostris amounted to 30 , but were subsequently increased to 53. Each nome was presided over by a monarch, aud subdivided into local governments, aud these again into minor jurisdictions. This form of division of the country lasted till the time of Constantine, when it was divided iuto six provinces, but the subdivision into nomes lasted about three ccuturies longer.

The population of ancient Egypt was, if we may trust the Greek bistorians, mueb greater than that of modern Egypt. According to Diodorus, it once contained 30,000 towns and villages, nud seven milions of inhabitanta, though when be visited the country (B.c. 58) it only contained 18,000 towns and villages, and three millions of inhabitauts. Herodotus asserts that in the reign of Amasis there were iu Eigypt 20,000 cities. These nppear to be mercly very vngue statemente, yet as they were obtained from the priests they may have been founded upon official dsta; for since in the most flourishiug periods of its history the occupation of every male iuhabitant was registered by the proper officer, it seems probable, though a ceusus may not lave been taken, that a tolerably correct estimate of the populatiou mny have been arrived at.
We crunot here cuter into the rast and intricate ground of Fgyptian mythology, and must refer the reader to the specinl works ou that subjeet by Champollion, Wilkinson, and others. Their animal worship appenre to have been originally symbolical, though it afterwards degenerated, at lenst for tho vulgar, into gross idolatry.
Egypt attained its high state of materisl civilisation under a syatem of inatitutions and policy which resembles in aome reapecta those of the Hindoon. It was a monarchy based upon an all-powerful hierarchy. The inhabitants were divided iuto a kind of hereditary castes or classen. The first of these clasees consisted of the priests, who filled the chief offices of the atate. They were the depositaries and the expounders of the law and the religiou of the country; they monopolived the jrincipnl brauchos of learining; they were judges, physiciaus, architecta; their sacred books, like their temples, were not opeu to the vulgar; they had a language, or at ieast a writing, the bieroglyphio, peculiar to themselves, The king himself, if not of their clans, was adopted into it, was initiated juto its mysteries, and became bouud by ite regulations, The pricsts were excmpt from all dutien, and a large
portion of land was set apart for their maintenance; and we rend in Genesis, that when Pharaoh in a season of famine bought, by the advice of Joseph, all the land of the Egyptians on conditiou of feeding them out of his stores, "only the land of the priests bought he not, for the priests had a portion (of corn) assigned them of Pharaoh, and did eat their portion which Pharaoh gave them, wherefore they sold not their lands" (xlvii. 22, and see v. 26). The testimony of the Scripture is here perfectly in accordance with that of Herodotus and other historians. The priests were subject to certain strict regulations: they abstained from certain meats, and at times from wine; made their regular ablutions; had but one wife, while polygamy was allowed to the other classes; and they wore a peculiar dress according to their rank.

The soldiers formed the second class, for Egypt had a standing army from a very remote period, divided into regiments or battalions, each having its staudard with a peculiar emblem raised on a pike and carried by an officer. Their arms were the bow, sword, battle-axe, shield, kuife or dagger, spear, clnb, and sling. Their besieging. engines were the battering-ram, the testudo, and the scaling-ladder. They had a military music, consisting of a drum similar to the Indinn 'tomtom,' cymbals, pipe, trumpet, and other instruments. The military caste was held in high repute, and enjoyed great privileges. Each soldier was allowed a certain measure of land, exempt from every charge, which he either cultivated himself when not on active service, or let to husbandmen or farmers. Those who did the duty of royal guards had besides an ample allowance of rations. They were inured to the fatigues of war by gymnastic exercises, such as wrestling, cudgelling, racing, sporting, and other games, of which the representations still exist on their monuments. The king and the princes, and indeed all persons of rank, were always either of the military or pricstly class. The navy was not an exclusive service, the officers of it being chosen from the military class.
The husbandneen formed another class, which was next in rank, as agriculture was highly esteemed among the Egyptians. They made use of the plongh and other implements. They had various breeds of large cattle, sheep, goats, pigs, and a quantity of poultry reared chiefly by artificial means, the eggs being hatched in ovens, as it is the practice of the country in this day. The peasants appear to have been divided into hundreds, each with a peculiar banner, which they followed when presenting themselves before the magistrate for the registration, which was taken at stated periods, when they were obliged to give an account of their conduct, and if found delinquent were punished with the stick. The boatmen of the Nile, huntsmen, and others were included iu this class.
Tho next class was that of the artificers, shopkeepcrs, and the various tradesmen who lived in the towns. The progress made by the Egyptians in the mechanical arts is evident from their monuments, paintings, and sculptures, in which the various handicrafts are represented. The mince of gold, eopper, iron, and lead, which are in the mouutains between the Nile and the Red Sea, were worked at a very remote date under the early Pharaohs. The Egyptians were acquainted also with the art of gilding. The art of fabricating glass was early known among thein. Beads of glass, generally coloured bluo, are found on many muminies, as well as other ornaments of a coarse kind of the same material. A kind of ancient porcelain, sometimes covered with enamel and varnish, is found in great quantities in Egypt. Their potters was often of the most elegant forms. The taste displayed by the Egyptians in several of their articles of furniture is not surpassed by our most refined manufactures of nodern times. Many articles of furnitnre, especially chairs and couches, which have been discovercd, and are now deposited in our muscums or are represented in their paintings, are singularly bcautiful in their forms Linen cloth, plain or cmhroidered, white or dyed, was an article of Egyptian manufacture highly in repute among foreign nations. (Ezekiel, xxvii. 7.) The art of making leather was also known to them.
The last class or casto included pastors or herdsmen, poulterers, fishormen, labourers, and servants. The herdsmen and shepherds appear to have been held in peculiar contempt among the Egyptians. Besides servants, they had a number of slaves, both black and white. Fish was a common articlo of food, except to the priests. Wine of native growth was used by the rich, and a kind of beer was the drink of the poor.
The above-mentioned five classes, as specified by Diodorts, i. 74, were subdivided into ranks according to the various callings and trades, and this has occasioned some variety in their enumeration. Herodotus reckons seven classes, Plato six, Strabo and others have not reckoned the despised shepherds as a caste, and others have counted the military as one caste with the husbandmen, as being drafted from the body of the latter. Unlike the Hindoo, every Egyptian was not required to follow his father's profession and to remain in his clas, but the effect was practically ucarly the samo: from the lowest class it was in fact hardly possible to obtain admission into any other.

Tho learning of the Egyptinns was the admiration of every people who liad communication with them. As alrcadymentioned it was the almost exclusive possession of the pricsta. In science and art they also far excelled their less civilised contcmporaries. Their pro-
gress in the exact sciences has however been taken for granted without sufficient evidence. Of their astronomy we know but little, but it appears to have been confounded with mythology and astrology, and made subservient to religious polity. Their year was of 365 days : their method of correcting it was by the adoption of the Sothiac Period of 1461 years. Diodorns says that they foretold comets; but he also says that they foretold future events, leaving us in doubt whether they were successful in either or both cases. That they had some practical knowledge of geometry, which indeed must have been requisite for the construction of their buildings, \&c., is generally admitted. Yet they appear not to have known until a comparatively lato period that the level of the Red Sea was higher than that of the Mediterraneau or of the Nile. Their boats were rude and clumsy, and chiefly constructed for river uavigation. It was not until the period of the new monarchy that they had their ships of war both on the Mediterranean and Red Sea, but under Apries Egypt had sufficient naval power and skill to cope with the flcets of Tyre. His predecessor Necos II. is said by Herodotus to have dispatched some Phoenician vessels by the Red Sea to circumnavigate Libya (Africa), and to return to Egypt by the Pillars of Herculcs, which they effected. The truth, or at least the extent of this expedition has however been much questioned. There is a curious story in Plato's 'Critias,' of Sonchis, an Egyptian priest, hnving told Solon of the Atlantic Isles, which he said were larger than Asia and Africa united, which secnas to imply something like a knowledge of the existeuce of the Western Continent.

The fine arts were cultivated by the Egyptians with considerable success, though in every branch they exhibited a certain incompleteness. In architecture they had made great progress, as the ruius of many of their works attest: in sculpture their advance was stayed at a certain point by the rigid conventional laws, which forbad any material deviation from the established types in representations of the humau figure, or in the symbols and forms of their deities: iu painting there was somewhat more of freedom, because the objects depicted were of a more trivial kind, but as the rules of perspective wero unknown, and scarcely any attempt was cver made to combine the parts of the painting into a complete picture, painting remained in a merely rudimentary stage. Yet though the arts of Egypt were thus imperfect, it is evident from existing early examples of Greek sculpture and architecture that for a considerable period the Grecinn artists formed their works on Ligyptiau inodels, and only gradually enancipated themselves from Egyptiau influence. The inonunents recently discovered at Nineveh in like manner show that it was to Egypt that the Assyrian sculptors louked for their guiding principles. Indeed there can be little doubt that during the long period when Eggpt was the dominant pation and the centre of civilisation, it exercised a very powerful influence over the intellect of other nations less advanced in civilisation.

With regard to the principal existing monuments of ancient Egypt wo refer the reader to the respective heads, such as Denderam, EDFu, THEBES, \&c., nud for the general character of Egyptian architecture to the Division Arts and Sciences in the Englisit Cyclopedia.
The agriculture of ancient Egypt has been noticed in speaking of the class of husbandmen, and, as well as the commerce, incidentally in other parts of this article. For further particulars respecting the agriculture, commerce, resources, and policy of ancient Egypt, we must refer the reader to the various authorities quoted at the end of this article, especially to Heereu's 'Researches' and the works of Sir J. Gardner Wilkinson. The money of the Egyptians was in rings of silver and gold, similar to those still used in Sennaar, and its value was ascertained by weight, and its purity by fire. Gold was brought to Egypt from different tributary countrics of Ethiopia and Asia, besides what they drow from their own mines. The revenuo of Egypt, derived from the taxes alone, amonnted, even during tho negligent administration of Ptolemy Auletes, to 12,500 talents, between three and four millions sterling.

Modern Mistory.-Passing over the ages during which Egypt was a province of the Roman Empire (for which see Hamilton's 'AEgyptiaca,' on tho State of Egypt undcr the Romans, and 'Map of ligypt,' with the names of the Lioman period, by Raoul liochette), we hegin the modern history of Egypt at the Moliammedan conquest. Under the caliphate of Omar, Amer Ebn el As invaded Egypt, A.D. 638, and took Pelusium and Babylon of Egypt, a stroug lioman station, which sustained seven months' siege. John Mccaukes, governor of Memphis for the Byzantine emperor, treacheronsly surrendered his trust, and the Copts agreed to pay tribute or a capitation tax to the caliph, with the exception of old men, women and monks. The hatred, not only political but religious, which the Copts bore to the Greeks, facilitated the success of the Moslcms. The first mosque on Egyptian ground roso with the new town of Fostat on the site of Roman Babylon. Alexandria made a long and obstiuate defence; it fell at last, and was plundereal. The Saraceu general asked the caliph what was to be done with the library, and Omar ordered it to be burnt. But tho libraries of the Ptolemies had perished before-the Druchion was destroyed during the siege of Julius Crasar, and that of the Serapion was dispersect by Theophilus tho Patriarch in 390; the library destroyed by Omar's order was therefore a more recent collection. The whole of Egypt as far ns Syene was soon reduced to a province
of the enliphate, the capital of which wan Fontat In 808 Abined obu o Toolonu, governor of jigpyt for the Ablaside callphs, usurped the worcreignty of the country sud fouded the dynaty of the Toolonnides, which lasted till 906 , when the calijlie rolocil Figypt In 886 Fl Akhebed Mohamined ebn Tughg, a Turkinh chief in the serrice of tho caliph, usurperl the goveroment of Figypt, nad brgan a new dynaty which lanted till 90 , when the Fatmiel, or l'atenides, tho successors of Mahdee, who had continued to rulo in Africa, took pondereion of Ligypt, which they retained till 11\%1. This wns the periou of the wars of the carly Crumades, in which the Fateunides acted $n$ conspicunus parts. The Kum Salah e' deen Yoosef Ebn Eyonb suceeeded to the Fatemiles in 1171, and founded the dynasty of the Eyoobitee, which lested till 1250, when El Moer, a Turkomnn memlook or lave, after mnerlering Touran Shah, usurped tho throne, and founded the dyunsty of the Mabarito Sultams, who took ponsession of Syria also. Kaybers likewise memlook, akeassinated his master in 1261 or 1202 , maile himeelf Sultan of Egypt, retook Syria from the Tartars, took Drmancun, and put an end to the caliphate of Avin, and extended his conquests os far ns and over part of Armenia. His descendnats reigued till 1382, maintained possession of Syrlans far as the luphraton, and eucouraged sgriculturo and the arts. Thelr dynasty is kuown by the name of Baharite Memslook Melokn, or Sultans. They did uot assume the title of caliphs, but allowed the descendante of the Ahbasides to retain that name, aud to live in Igypt nuder their subjection, as a sort of state prisoners.

In 1382 Dowlet el Memeleek el Borgéch, a Circnasian slave, took posersion of tho throwe and founded the dynasty of the Borgech, or Circastian Memlooks, which lasted till 1517, when Solim 1., the Ottoman sultan, alranced jnto Eyypt, defeated the Memlooks at the batte of Heliopolis, and caused Toman Bey, the last of their kings, to be hanged at Cairo. Selim abolished the dynasty, but not the mistecracy of the Memlooks; he eren mado conditions with the Memlooke by a regular treaty, in which he acknowledged Egypt as a republic, governed hy 24 begs tributary to him and his successors, who appointed a pasha, or governor, to reaide at Cairo. Uuder this form of government Egypt remained nominally subject to the porte, against whose muthority the Mernlooks often opeuly revolted, till the French invasion of 1798 , when Bonaparte under the pretence of delivering Egypt from the yoke of the Memlooks, took possersion of the country. The English sent an expedition in 1801 to aid the porte, which drore away thie Freach, and restored the paala appointed by the multan. The Memlooks and the pasha however could not agree; sceues of hloodshed and treachery took piace, and at last tho late pasha Mehemet, or rather Mohhammed Ali, contrived to collect inost of the beyn with their principal officers within the citadel of Cairo, under pretence of an entertainment, where ho had them all mhasacred in March 1811. Thus ended the Memlook power, which had ruled over Egypt for more than four centuries.

The government of Mehemol Ali, too extraragantly praised by some, was cer tainly much more rational, orderly, and humane than that of the Memlooks or that of the old pashas in the other dominions of the Porte. Ile administered impartial justice to all his subjects, without regard to race or religiou; established regular judicinl courts and $n$ good police; abolished tortures and other barbarous punishments; encouraged instruction to a certain extent; introducod European mannfactures and machinery; established a printing office and a jourmal; and formed schools und collegen for the arts and sciences and for military and naval tactien. But his amhition and the difficulties of his sitnation ohliged him to resort to an enormous taxntion and an oppressive couscription. His amhition led him to extend his conquests until his sway atretched over at leant as wide a tract of country an nny of his predecessors of the Fatimite, Ptolemnic, or Plaranh dynaities, including a considernble portion of Nuhia, $\Lambda$ byssinin, and Kiorlofan, Syria, Crete, and part of Arabia. Though atill nomimally mubject to the Porte, bo had in fact rendored himself virtually indeperdout. But the sultan, Mahmoud 11., himself a reformer and a man of ambitious and energetle labits, had wateled with increasing jealousy the growing power of the pasha, and at length (1832) ment a powerful amny agninst him. Melicmet ment an equal forco, under him mon 1 bralim Dasha, into tho field, and the Turks auffered two severo defents. Ibrahim inarched towards Constantinople, but the European powers interfered; IRusis sont an army to oppose the progress of tho Figyptimas, and Mohemet wam compelled to accopt the terms proposed by the medinting powers. A hollow paco followed for somo years; but in 1840 the aultan decming himeelf strong onough to resume hontilition, again doclared war. Tho Egyptinna wero mgnin nuccessful so long as they wore only opposed to the Turks. Ibrahim Pasha almont nnaihilated the Turkinh nrmies; the Turkish feet placed itself at the dimpoas of the Kigyptians, and the muln of Turkey nppeared imininent. But agnin the liunopan powere interfered. An altied army dimposemed the Figyptians of varioun atrongholde, and an AngloAutrian flect bombardel Acre. Mehenet Ali whe once moro compolled to yield, and the Juropean powern proposerl terma, to which both Tarkey and E\&Eyit eventually amented. lyy thin treaty, signed posemanions, hut the rovernment of Wran deprived of all his Asiatic poseconions, but tho government of Kigyt whe ensured to him an a

Precat State of Eigytt-lly gcograjhers Egypt is commonly divided
into three region, namely, Bahari, or Maritime, or Lower Egypt; Vontani, or Jirldle Eggypt; anil Saill, or Upper Jigypt But the administrative division of tho oountry in by districts, or prefectabips, of which there are $L 5$ in Lower Esypt, and 10 in Middle and Upper Ngyut together. The diatricta are-1. Masr, or Cairo, with tho town of that narae, the capital of the whole couutry, and the town of Boulak, tho port of Cairo ou tho Nile, Old Cairo, or Fortat [Kabima], and Suez, on the lead Sea; 2. Kelloub, north of Cairo, with the to wns of Kelioub. in whioh are a large government cotton factory aud iron foundry, Mataryel, near the rains of lleliopolis; Artrib, Choubra, where the pasla has a fine country reaidence, and Abouzabel, where is the new college of modicine and surgery, with a considerable number of pupils, and a large hospital attached to it; 3. Belbeys, east of Keliouh, on tho borders of the Desert: the town of Belbeyn is an important station on the routo to Syria, has $\$ 000$ inhahitants, and contain soveral mosques; 1. Chibeh, north of Bulbeys, with the town or villages of Chiboh, Tell Bastah, and Hevdeln; 5. Mit Ghamer, north of Kelioub aud near the Damiotta branch of the Nile; 6. Mansurah, north of Mit Ghamer, likewise on tho east bank of the Danjetta branch, with the town of Mamurah, containing a government cottou factory, a publio school, and five mosques, and the village of Tmay ol Emdid, which has a monolith of grauite; 7. Drmictta, with the towu of Damietta [Damirtfa] and Menzaleh (which lien on the south bank of the Lake of Meuzaloh, and has, ${ }^{n}$ good fishing trade), and the forts of El Arish and Tyuel, ou the borders of the Syrian Desert; 8. Mehallet el Kobir, with the town of that name, within the actual Delts, on the left hank of the Damietta branch, aud the maall towns of Semennout (which contane a large manufactory of earthenWare, aud some remaius of autiquity), and Aboumir [Abousir]; 9. Tantab, south of Mehallet, with the town of Tautah, situated near the middle of the Delta, one of the principal towns of Lower Egypt, remarkahle for its five mosque, nnd tho fuir which takes place three times a year, and in much frequeutod by pilgrims who come to visit the tomb of Seyd Almed el Redaouy, a celebrnted Molammedan saint; 10. Melig, Bouth of Tantah, with the towus of Melig and Chibn el Koum; 11. Menouf, south of Melig, and withiu tho auglo formod by the bifureation of the Nile; 12. Negileh, with the town of that name, on the left or west bank of the lesetta hraneh, aud the to wias of Termach and Wardan; 18. Founh, north-west of Mohallet, with the town of Rashid, or Robetta [Hosmita], and the towns of Founh and Deiru; 14. Damauhour, on the left bark of the Rosetta branch, north of Negilch, with the towns of Damanhour (in which are some fuctories of coarse woollens) and Rahmauyeh; 15. Aloxandria, with the city of that name.

On entering the valley of the Nile from the Delta side we find1. Jizeh, ou the left bank of the river, opposite Caino, a small towu, the head of the prefectship of that name, near the great pyramids, and uot far from the ruins of Memphis, upon which are built three modern villages, Bodreshin, Mit Rahynch, sud Memf; 2. llenisouef, south of Jizch, on the same side of the Nile, a considerablo and industrious town, in one of tho most fertile districts of the valley of the Nile, with asearly 8000 jnhahitants, extensive cotton-mille, nlabaster quarrien, and largo cavalry barracke: in this provinco aro tho town of Abou Girgeh and Samallout, farther south; 3. On the opposite or right bauk of tho Nile is Atfih, a town and profectslip with 4000 luhabitanta; 4. West of Benisouef is the district of Faiourn, with the town of Medinet of Faioum, which contains 5000 inlabitants, sereml monquen, Coptio churches, \& manufnctory of wonllen goods, and some trade in rose-water; S. South of Benisonef, but extending on both banks of the Nile, is the divtrict of Minyol, with the towns of Minych, which han some manufacturen of enrthenware; Melaoui, and Enhmounein (whichoccupies tho site of liermopolis Magna) on the left, and those of Sheyk Abadel and El Bershel on the right bank; 6. Manfnlout, south of Minyeh, with the town of that name on tho left hauk, and several villages ou both banks of the Nile; 7. Siout, with the town of that name, the capital of Upper Egypt, and the residence of a governor: it is nitunted ou the left bank, was a great slave-market, aud the eatrepót of the cararan trade with Dar-fur and Seumaar, has a spacious haznar and 12,000 inhabitants ; it also containe a fine palace built by Ibrahim Pasha, publio baths, and barracks: Siout is an important nilitary station: in its ricluity aro numerons antiquitles; 8. Girgel, south of Siout, with the towns of Oirgeh, 7000 inhabitants, on the left bank, containing a government cottou-factory, meveral mosquen, and the oldest Latiu convout in Egypt; and Ekhmym, 3000 inhabitants, on tho right bank; S. Kouch, With the town of that name, on the right bauk, whioh has 5000 inhabitantm, aud carries ou a oonsiderablo intercourse with Cosacir and tho opposite coast of Arabin, and is known for its manufactory of porvus carthen vensels used for keeping water cool; it also coutnins a government cotton-faotory: Kous, nenr the ruins of Coptor, Denderali on the left bank, and the ruins of Thebes and of Abydos, are is the profectship of Keneln; 10. Fisneh, the most southern province of ligypt, contains tho town of that uame, on the left bauk, with abont 4000 uhabitanta, manufactorics of cottona and shawla, mid pottery; it in a grent market for camela, and the emporium of the Abymininn trade: tho grent tomplo is now unod ns a cotton warehouse. The other townare-Jioru; Assounn, or Syene, which containm many remain of nnoient Syene, carries on a considerable trade
in dates, senna, \&c., and has in its vicinity extensive granite-quarries; Koum Ombou, with a fine temple; and Selseleh, with its quarries.

For the principal towns of Egypt see the respective headsAlexandria, Kahira (Cairo), Dametta, Rosetta, dc. The population of the smaller towns is very difficult to be ascertained, as no census is taken or register kept.
The whole of the cultivable land of Egypt, in the valley of the Nile and the Delta, is reckoned at 17,000 square miles. The population, according to the most carefnl recent estimates, does not exceed $2,000,000$, of whom probably the proportions are nearly the same as those given by Mr. Lane in his 'Modern Egyptians,' namely, 1,750,000 Mohammedan Egyptians, including the fellahs or peasants and the townspeople; 150,000 Copts or Christian Egyptians; 10,000 Osmanlees or Turky and Albanians, as yet the ruling race; 5000 Syrians, 5000 Greeks, 5000 Jews, and 2000 Armemians; with about 70,000 black slaves, Nubians, Moghrebins, \&c. In this calculation the nomadic Arabs of the neighbouring deserts, whose number cannot be ascertained, are not included. The language of the natives is Arabic, but Turkish is still the language of the government. The great bulk of the Mohammedan natives is of Arab stock, but many Copts or aborigines have at different times embraced Mohammedanism, and numerous intermarriages have taken place between the Arab settlers and the Copts, Nubians, \&c. The townspeople may be considered as having attained as high a degree of civilisation as any in the east; and "Cairo," says Mr. Lane, "must be regarded as the first Arab city of our age. There is no other place in which we can obtain so complete \& knowledge of the most civilised class of the Arabs." The men are generally well proportioned and muscular, and about five feet eight or five fect nine inches in height; the women are well formed, and not tou fat. Their complexion in Cairo and the northern provinces is clear though yellowish, and their skin soft; the lower classes are darker and coarser. The people of middle Egypt arc of a more tawny colour, and those of the southern provinces are of a deep bronze complexion. Their countenance in general is of a fine oval form ; the nose is straight though rather thick, the lips rather full, the cyes block and brilliant, the beard commonly black and curly but scanty. For the dress and habits of the various orders see Lane's 'Modern Egyptians, vol. i.
The climate of Egypt during the greater part of tho year is salubrions. The khamseen, or hot south wind, which blown in April and May, is oppressive and unhealtly. The exhnlations from the soll after the inundation render the latter part of the autumn less bealthy than the summer and winter, and cause ophthalnin and dysentery, nud other discases. The summer heat is seldom very oppressive, being accompauied by a refreshing northerly breeze, and the air being extremely dry. The thermometer in Lower Egypt in tho depth of winter is from $50^{\circ}$ to $60^{\circ}$ in tho afternoon and in the shade; in the hottest season it is from $90^{\circ}$ to $100^{\circ}$, and about $10^{\circ}$ higher in the southern parts of Upper Egypt. The clinate of Upper Kigypt, though hotter, is moro healthy than that of the lower country. The plague seldom ascends far above Cairo. Ophthalmia is also more common in Lower Egypt. The hounes of the wealthier classes in the principal towns are substantially built, roony, and commodious; brt the dwellings of the lower orders, especially of the peasants, are of a very mean description, being mostly built of unbaked brick cemented with mud. Many of them are mere hovels. Most of the villages of Egypt are situated upon eminences of rubbish, the materials of former buildings, and thus riso a few feet above the reach of the inundation: they are urrounded by palm-trees.
The agricultnral produce of EgJpt consists of the following winter plants, which are sown after the inundation and reaped in about three or four months: wheat, barley, beans, peas, lentils, yetches, lupins, clover, flax, coleseed, lettuce, hemp, cummin, coriander, poppy, tobacco, water-melons, and cucumbers; and of the following summer plants, which are raised by artificial irrigation by means of waterwheels and other machinery: durrha, maizc, onions, millet, henneh, sugar-cane, cotton, coffee, indigo, and madder. IRice ls sown in the apring and gathered in October, chiefly near Lako Menzaleh. Of the fruit-trees, which grow mostly in gardens near the principal towns, the mulberry and Sevillo orange ripen in January ; apricots in May, peaches and plums in June; apples, pears, and caroobs nt tho end of June; grapes at the beginning of July; figs in July; prickly pars at the end of July; pomegranates and lemons in August; dates in Augrat; citrus medica iu September; oranges in October; sweet lcmons and banana in November.

The raodern Egyptians being essentially an agricultural pcople, arts and mannfactures are not pursued to any grcat extent. The domestic manufactnres are chicfly of carpets, woollen cloths, pottery, glass, and other articles of home consumption, chiefly of a rude kind. The larger manufactures are for the inost part a government monopoly. They consist of upwards of twenty cotton-factories, soversl large dyeing aud printing establishments and woollen cloth factorics, and one or two extensivo lron-foundries, with manufactories of carpets, red caps, and fire-arms, mostly at Calro and Boulak.
The trade with Europe is carried on through Alexandria. The traflc with Africa, which is very large, is carried on by means of caravans, which carry European and legyptian produce in oxchange for tlephantá tusks, gold-dust, ostrich feathers, skins, wools, and
gums. The revenue, derived from land and capitation taxes and from the government monopolies, amounts on an average to about $2,225,000 l$. ; the expenditure to somewhat less. There is no public debt. The army consists of about 148,000 regulars, of whom about 11,500 are cavalry; and an equally large body of irregular troops, militia, \&c. The contingent which Egypt is bound to supply to Turkey, if required, amounts to about 40,000 men. The government may be regarded as absolute in the strictest sense of the word.
(For Ancient Egypt, the works of Champollion, Andreossi, Heeren, Lepsius, Bunsen, Kenrick, Sharpe, Gliddon, and especially Wilkinson, and the volumes on 'Egyptian Antiquities' in 'Library of Eutertnining Knowledge,' should be consulted ; for Modern Egypt, see especially Lane's 'Modern Egyptians,' and Murray"s 'Handbook of Egypt' by Wilkinson; with the volumes of Planat, Mengin, \&c.)
EHRENBLEEITSTEIN, a town on the right bank of the Rhine, in the circlo of Coblenz, and in the Prussian province of the Rhine. It is called Thal-Ehrenhreitstein (Vale Ehrenbreitstein) from its situation at the foot of a precipitous height 772 feet above the river, opposito to Coblenz, with which it is connected by a bridge of boats, in $50^{\circ} 23^{\prime}$ N. lat., $7^{\circ} 36^{\prime}$ E. long. 1 t occurs in records of the year 1210 under the name of Mulne or Mullenheim; but in 1533 the name appears to have been changed into Muihlheim and Müllenthal. It contains two Roman Catholic churches, a synagogue, several mills, and 2400 inhahitants. The town has in tobacco manufactory, and a brisk trade in wine, corn, iron, clay for tobacco-pipes, \&c. Above the town stands the fortress of Ehrenbreitstein (Honour's broad stoue), oue of the strongest fortified placcs in Europe. The platform of the rock is said to have been occupied in ancient times by a Lioman castle or fort. During the middle ages it was a stronghold of the electors of Treves, who in later times had a palace at the foot of the rock, which is now used as a flour store. The French, under Marshal Boufllers, iu rain besieged the fortress of Ehrenbreitstein in 1688, but they took it after a fourteen months' siege in 1799, and on their evacuatiou of it at the peace of Luneville (1801) they blew up its defences. Sincc 1814 however Prussia has speut large sums in reconstruetiog tho fortress, the escarped rocks and steep slopes on three sides of which are defended by many mouthed batteries, numbering a total of about 400 guns. The weak point of the fortress towards the north-west is protected by three successive lines of defences. The platform on the top of the rock scrves for a parade-ground, and covers vast cisterns capable of containing a three ycars' supply of water for the garrisou, furnished from springs without the walls. A well also 400 feet deep cut in the rock communicates (it is said) with the Rhine. Ehren breitstain is included in the great system of fortifications which surround Cobleuz. Strangers are adinitted to visit it on presenting an order from the military governor of Coblenz. The views from the summit are extensive and heautiful. The road up to it from the town is about 1200 paces long; it is fortified, and rests almost entirely upon arches built over the chasms in the rock of which the beight consists. [Coblenz.]

ELCHSTADT, a handsome town in Bavaria, is situated in a narrow but productive valley on the left bank of the Altmuihl, in $48^{\circ} 53^{\prime}$ N. lat., $11^{\circ} 10^{\prime}$ E. long., and has about 7500 inhabitants. The town stands nearly in the centre of a triangle, in whose angles are the towns of Augsburg, Nuirnberg, and Ratisbon, from each of which it is 40 miles distant. It is the capital of a small principality of about 116 square miles in extent, which was bestowed upon Eugene Benuharnois, duke of Leuchtenberg, in 1817. The town gives title to a bishop, and the family of the duke of Leuchtenberg resides licre in the summer. The town is walled round, and has four suburos. It has an ecclesinstical seminary, a grammar-school, a capuchin monastery, a nunnery, an hospital, an orphan asylum, and other charitable institutions, a cathedral church, and four other churches. Among the buildings of note are the duke of Leuchtenberg's palacc, with the celebrated Brazilian cabinet, a library and museum of antiquities, \&c.: the cathedral of St.Willibald, which dates from the 13th century, is built in the gothic stylc, and contains many curious monuments of the bishops and canons of Eichstädt; the Willihaldsburg, a castle on a height ahove the town, which was the residence of St. Willihald and of his successors in the see of Eichstiadt; and the church of St. Walpurgis, \& British saint, whose remains are interred beneath tho high altar. Willihaldsburg, which is built on an eminence 1200 feet high, is said to occupy the sito of Aureatum, a Roman castle, and was tho abode of the first bishop, Willibald, who was the builder of the cathedral church and the adjacent dwellings for lis clergy, in the middle of the Sth century. For this purpose he cleared au aren covered with onks, whence the town derives its name of Eichstädt, or town of oaks. In the romantic grounds called Aumithlwald, near this place, is a tablet of cast-iron, set in a block of marble, 198 feet square, and laicl into a mass of rock: it was erected by tho citizens iu memory of Eugeno Beauharnois. The manufactures of Eichstidat are woolleu-stuffs, carthenware, beer, irou-ware, \&c.

ElFEL, a wild highland region in the Prussian Rhein. Provinz, extends along the left bank of the Rhine hetween Bonu and Cohlenz. Its proper geographical boundaries are the libine on the enst, which divides it from the Westerwald; the decp valley of tho Mosello on the south, which separates it from the Hoch wald and the Hunsdruck
northe eavern ofthoots of the V'ouges; the Our or Ourthe, the Arlonse lills, and the llense on the west; and the great flat phan of the Lower lhine on the north. The uame however in confinel to the region that atrotehes eastwanl frou the sources of the Our and the loeir to the Hbine. At the heal of these rivers lien an extonsive highlaud called Veen, or Panyes (from the Celtic 'fancq' for bog) -a dreary waste covered with turf bogn, mornees, and meds, and rising betwoen 1500 and 2000 feet high, with a longth of about 16 miles every way, which connects the Fifel with the Ardenno, and offets of which striteh nearly to the Nienso below Aix-la.Chapelle.

The Kifel is a rugged, desert, aud in parts awampy table-land, with a general eleration of 1400 to 1600 feet above the lhine. Its alopes aro scorent in all directious hy deep glens and ralleys, whielt are traversed hy trihutaries of the three great rivere named above. The flat surface of the table-land, with the exception of some rather exteusire forcotrmetr, prenents a wild moor covered with a thin barren noil; but here and there rise up abruptly naked crngs and basaltio cones of various elerations, some of then richly wooded, with wide spread layers of ancient lava between. The gencral components of the region are clay, flint, limestone, and slate; hut the hills and rocks that fank the valleys, ravines, aud glens of tbe Eifel are in many instances composed of basalt or capped with it; indeod the Eifel almost everywbere bears traces of volent convulsions and rolennic cruptions at some long-distant period. Extiuct volcanoes, cauldronshaped depressions, tarns of circular shape filling up ancient eraters and locally colled 'Maare,' mineral-spriugs, lava-streams, columnar basalt, fossil zoophytes and shells, proviug subuergence under some ancient watere, are amoug the natural curiosities of this interesting region.

Aurongst the higbest points in the Fifel the following may be men-tioned:-The Hoben-Acht, above Adenau, 2434 feet above the sea; Nürberg, which is also near Adenau, and is crowned with the ruins of an extensive feudal castle, 2251 feet; Kelberg, near the sonree of the Flz, 2093 fect; Michaelsberg, near Muiustereifel, 1860 feet; nnd the Schncifel, or Snow-lifel, in tbe circle of I'rims, in the wildest part of the regriou, 2100 fuet.

The Fifel has a leugth from east to west, between the Rbine and tho Our, of about 50 milea. Along the left bank of the Rhine, north of Andernacb, it extends for about 20 miles; but in the interior the breadth is in some places more, in others less than this. Rivers flow from it ju all directious. On the northern slope near Münstereifel (a small town in the government of Cologne with about 1600 inhabitants), rises the Eirff, wbich flows with rapid course down into the low country, and enters the Rhine at Grimlighasen, a short distance above Diisseldorf. The Roer, or Ruhr, also flows down the northern slope, rising iu the mountains between Malmedy and Moutjoie; after reaching the low country it runs north-north-west past Düren and Julich, and, entering Belgian Limbourg, joius the Meuso on the right bank at luremonde, after a comrse of above 80 miles. Both of these rivers sweep down stoues and gravel from the highlands; they are subject to frequent and suddeu swells, aud abound in fish. Their water-power ia turned to some alvantage in driving machinery. licfore it leaves the Lifel the Roër receives on ita right hank the C'rst, which rimea nenr Blankeuheim, and passes Gemünd, a small town iu the goverument of Aachen with about 1000 inhabitants, who manufacture woolleweloth and leather. Not far from the souree of the 1 loeir rises the liarge, which flows westward prast Malmedy, and throws itself into the $A$ mblere, a feeder of the Ourthe, in the Belgian Frovince of liegge. The Ambleve itself rises a little south of the Warge, which it joins a little below Malmely. Malmedy, a town in the government of Aachen, stands on the Warge, aud has abont 4000 inhahitante. It is a quaintly-built place: the houses and gardens are all in the Dutch style. The town is famons for its manufacture of sole-leather: thers are above fifty tanyards. It has also miueral aprings; manufactures of woollen-cloth, laee, soap, potash, and glue. Mfontjoie sunds in a marshy country between two ligh hills on the loft lank of the Roër, and has a populatiou of 3000 , who mauufacture woollen-atuffis, leather, and iron. A large, stroug, aud gloomy castle alove the town is anid to occupy the site of n lunting-seat eroctod hero by CLarlemague: It is a fine specimen of a feudal fortrem.

On the southern slope flows the Our, which passes Renland and forma below tbla manll town the bouudary between lhenish Prussia and the Dutch province of Laxemburg to its mouth in tho Sure, a foeler of tho Dlowelle. The Sure receives also from the Eifel the P'rim, Whilch riven in the wildent part of the dintrict. Just above its junction with the Sure the Prum is joined hy tbe Nims. The town of Prem is in the gorerament of Treven. It is aituated to the south of tho sclinelfol at the foot of a beautiful wooded hill, avd has 2100 inhabitanta Its name in taken by corruption from that of the Benedietine Albey of Ad Prafum, founded here in the 8th ccutnry, and In whlch l'epin, natural mon of Charlemagne, and the emperor Lothniro wore monks: the latter died here A.D. 833. The ablucy buildings were dentroyod by fire in 1768 , with the exception of a mmall portion which in now a sechonl; the church near it, which is built in the Italian aiflo, reptaces the maguificent church of the abbey, of which no restige remaink Tbe road frow Aix-la-Chapelle to Triven pamen through Irdun, and coincides at nomo poiute with the old Moman road
from Treves to Cologno, of which there are many tracos mouth of ${ }^{1}$ 'rimn, Noar Bitbury, the aucient lisedse Vicua, a town of about 2000 inhabitants, midway between Irrim and Trèren, a Homan rilla, in excelleut preservatiou, and two Moman znilestones, set up iu the reign of Hadrinu, bavo boeu diniutorred.
Southwarde aleo, and from uenr the source of the looer, flowe the Kill directly into the Moselle a little below Treves. At fierolstein, a pietureaque little town of 600 iuhahitauts, on its left bank, the river runs betweon cliffe of limestone and dolomite. Near the towu are an old castle, a dry crater, the surface of which is cultivated, several old lava streams, caveris, banaltio rocke, and minoral springs. Fomail shella and oorals are found atrowed over the fields at Auberg, in the neighhourbood of Gerolateln. Olivine and glassy felepar aro fonnd about the dry crater of Dreiger Weiher, about 6 miles cast of Gerolsteiu.
Further east, but still on the Moselle slope of the Eifel, flow the Lieser, the Ues, and the Elz The Lieser passes Dauu nad Witlieh ( 2000 inhabitants), and cuters the Moselle at the town of Lieser, which bas a populatiou of about 1000. At the village of Daun, which has au old castle (the family residence and birth-place of Marshal Daun, who led the Austrian armies in the Scveu Years War), there are three maare, or crater lakea, separated from each other hy a narrow partition of alaty rock. To the southwari of Daun and on the left bank of the river, is the village of Manderscheid, famous for its old castle and for tbe beautiful mare in its neighbourhood. On the hill of Mosenberg near it are four rolcanic coues of slag, from ono of whieh a lava stream descends to the valley of the Lieser. The Meerfelder mane is about 100 fathoms deep, and the Pulver inaare, ous of the largest aud most beautiful of the crater $\ln$ kes iu the Eifel, is 330 feet deep iu the centre. The village of Strotzhuseb is built in a dry crater.
The U'es or Yes, which has an old Celtic name, rises uear Kelberg, aud enters the Moselle at the pretty village of Alf. It flows witb many windings and coutortions down a valley diatinguished for ita raried scencry, for the umbrageous folinge of its woods, for its conical hills, and basaltic cliffe. The juuction of the clayslate and lava is distiuctly seeu at several parts of the valley. lu the vale of the Issbach, as the Geruans call this small river, are iron-works aud the mineral baths of Bertrieh.
The Liz rises not far from the source of the Uee, and flows soutloeast down a woolled gorge, in whieh it makes innumerable windings, bounding from side to side against the cliffs that sereen it on either hand, and euters the Moselle at the little village of Mosel-Kern. The Ela forms some pretty cascades, and prases the castles of Pyrmont aud Elz. The Elz-schloss is one of the most picturesque nud hest preserred old fendal fortresses in Europe; it begins to yield to decay hut is still inhabited. On the opposito rock stands the rival castle of Trutz-Elz, erected by the Bishop of Trèves, against the lords of Elz. The castle of Pyrmout was burnt by the Swedes iu 1641. Betweeu the moutbs of the Ues aud the Kiz, ou the left bauk of the Moselle, stands the towu of Kochem, prettily situated on a hill, with two old castles frowuing from the adjaceut beights. Although a pretty object from the Mosello it is a very dirty place : populatiou about 2500 .
On the castern slope flow the N"ctte and tbe Abr. The Nette rises to the east of Adcuau, and runs first to the south-east and tben eastward iuto the Rhine a little above Andernach, which towu has heen already notieed. [ANDErNach.] Tho Ahr (Aar) rises uear 13laukenheim and runuing castward througb a valley aboundiug with wild aud most pieturesque scenery, past Altenahr and Ahrweiler, cuters the Rhine between Ienageu and Siuzig. In the upper part of its course the Ahr is joiued ou the left bauk by the Ademau near the small village of Dumpelfeld. On the basalt capped hill of Landskrone in the Ahrthal, aro ruins of a castle built hy the emperor Plitip, of Hohenstaufen in A.D. 1205. The Ahr is celebrated for its minnows, trout, and craw-fish. A fine road ruus up the valley and in parts is carried hy tunnels through the rocks. Adenau, is a smali.town of 1200 iubabitants, at the foot of the Hope-Acht. Ahrweiler, is a pretty walled towu entered hy four gates, aud has about 2500 iuhabitants, who are cbiefly cugaged in the growth of the vine. It is the centro of the wiue trade of the ralley, and has a beautiful gothic chureh erected in the 13th century.

The Lrohlbach, a small feeder of the Rhine, enters that river at Brohl, a small village, midway between the mouths of the Nette and the $\Lambda \mathrm{hr}$. The strean at Brohl drives a paper-mill and several trasso mills, in whieh tbe rolcauic tufa, quarried in the ueighbourhood, is ground for export to Holland; the tufn, reduced to dust, is used by the Dutch for subaqucons cement (tras or trass), as it hardens uuder water. lu the tufa quarries in the ralley of the Brohl, land sbells and trunks of trees reduced to the coudition of charconl, are found iubedded. Mineral waters, resemhling Seltzer, ure got from spriugs In the valley of the Mrohl. A little worth of Brohl is the castlo of Mheiucek, receutly purchased and repaired by Professor Bethumann Hollweg, of Boun. Sinzig is a amall ill-bnilt walled town of about 1600 iulabitante, with an interesting gothio church, crected in the beginuing of the 13th century ; aundjoiuing cbapel contains a natural mummy, which was carried away to l'aris when tho l'rench cxtended their frontler to tho Mhiue, but was restored at the pence. Sinzig occupies the aite of the ancient Sentiacum, near which the cross with
the inscription 'In hoc Siguo vinces,' upon it, it ie said, appeared to Constantine when marching towards Italy against Maxentius. The ancient Roman road along the left bank of the Rhine nearly coincides with the present diligence road between Bonn and Coblenz. Remagen, a small place of 1400 inhabitants, occupies the site of the ancient Rigomagus. Roman antiquities have been found here.

About 5 miles inland, from the mouth of the Brohl, is the large and beautiful crater-lake of Laach, or Laacher-See, which is 666 feet above the Rhine, of nearly elliptic shape, 2 miles long and about a mile and a half broad; its depth increases towards the centre where it is 214 feet deep. The lake is hemmed in on all sides by a ridge of hills covered with wood down to the water's edge. It is supposed to occupy the crater of a volcano. A stream of carbonic acid gas issues from an opening on the north-east side of the lake; aud in a neighbouring pit bodies of birds have been found killed by the noxious vapour which circumstance has given rise to a popular notion similar to that connected with Avernus in Italy, that no bird can fly over the LaacherSee. Tho lake is fed by numerous springs beneath its surface, which kecp its basin always full. Its waters are clear, deep-blue in colour, very culd but never freeze; and abound in fish. It has no natural outlet, but its superfluous waters are carried off by an underground emissary nearly a mile long, cut in the 12 th century by the Benedictine monks of the now ruined abbey of Laach, which is a little southwest of the lake. The shores of the lake are covered with masses of scorise, cinders, ashes, pumice, and other volcanic products. Laach abbey, or Kloster-Lanch as it is called, was suppressed at the time of the first French revolution. Part of the old buildings that remain is now converted into a farm-house; the church, a beautiful specimen on a small scale of the round-arched gothic, erected in the early part of the 12 th ceutury, has been purchased in order to its preservatiou, by the Prussian government. The gardens of the abbey, the lake, and village of Laach, aro favourito places of resort with the inhabitants of Coblenz. Between the lake and the Nette are the famous millstone quarries of Nieder-Mendig, which have been worked in the hard porous lava for 2000 years. The lava stream in which these quarries lie is 5 miles long and 3 miles broad. The lava separates into gigantic columns, some of which are left by the quarrymen to support the roof; there are vast caverns in it, probably the result of ancient excavatione. At Mayen, a picturesque old town, on the Nette, with about 3000 inhabitants, defended by a castle and surrounded by walls and gardens, there are several millstone quarries, a paper-mill, tanyards, and mineral springs. To the geologist, the botanist, and lover of the picturesque, all tho southern and eastern part of the Eifel is extremely interesting. Beaidee the Lnacher-Sce uo less than 27 maare, marking os many extinct craters, exist between the Nette and tho Ahr.

The climate of the table-land of the Eifel is damp, and much colder than that of the plain of the lower Rhine; cold mists very frequently hover over it. In all Prussia there is no district so poor in amble land as the Lifel. The rugged surface of tho region is covered with wild heath or swampy bog, the thin coating of the soil not affording nourishment for the roots of trees. Some parts of it however as before statcd are clothed with forests. This is especially the case in the districts covered with volcanic deposits. The chief species of forest trees are beech, oak, and fir, which are grown for the supply of fuel and timber. The valleys and glensareall inhabited, and in these the population is gathered into small towns, villages, and hamlets, most of which have sprung up under the frowning protection of some fendal castle, and a few in the neighbourhood of ancient monasteries. On the rapid slopes along the Ahr ralley aud towards the 13hine, vines and fruit trees yield valnable crops; here every piece of cultivated land is covered with walnut, apple, pcar, or cherry trees. The wine of the Ahrthal is of excellent quality. The commune of Rübenach draws a revenue of 10,000 fraucs annually from. Coblenz for cherries alone. Walnuts are a favourite crop on the hills but not in the valley bottoms, where, it is axid, the leaves of the walnut tree injure the soil. The nuts aro preserved for oil. Apples and pears are sliced and strnng upon pack-thread to scrve as vegetablee with meat in winter. The fruit of the valleys of tho Eifel is good generally; but tho apples and pears grown on the Moselle slope are particularly delicious and not surpassed by those of any region in Europe. The corn crops of the region are necessarily restricted in quantity; the deficiency is supplied from the neighbouring districts,
The region of the Eifel is exposed to a phenomenon called Wolkenbruch, or Cloud-Burst, being a sudden discharge of water, which brings sndden destruction on everything that it maystrike; trees are rooted up and linrled dowu by suddenly formed torrents; cattle, housee, soil, and crops are swept away. A clond-burst of this description destroyed the greater part of Münstereifel in 1818.

The principal roads through the region of the Eifel are those from Aix-la-Chapelle to Treves, and from Coblenz to Bonn; the high rond up the left bank of the Moselle from Coblenz to Trèves, and the new road up the Ahrthal to Trèves. There are also numerous cross-roads, bnt most of them are bad. The great Roman road made by Agrippa from Trèves to Cologne traversed the western part of the Eifel. Along it were numerous post-houses (mutationes) and six 'mansioncs,' serving as military posts and hotels. Bredw Vicus, now Bitburg, was one of these 'mansiones.' Zulpich (population 1200),
near the Nassel, a feeder of the Erfft in the plain, at the northern base of the Eifel, was another of the mansioues, and was called Tolliacum. The road is still in a perfect state at Zulpich. Remains of an aqueduct which ran parallel to the road, and along its whole length, to supply the stations with water, are still visible at ten or a dozen different places between the two cities. The road along the left bank of the Rhine, between Remagen and the preeipitous projection of Rolandseck, which is composed of prismatic basalt, and is crowned with the ruins of an old castle, is cut in the rock. In making this part of the road several Roman remaine were found. Connected with Rolandseck is the circular crater of Rodersberg, which is a quarter of a mile across and 100 feet deep; its sides, which are composed of tufa and scorio, are cultivated. The castlo of Godesberg, a town of about $I 000$ inhahitants, a short distance north of Rolandseck, is an interesting object on the road and from the Ihine. Between Godesberg and Bonn, at the uorth-eastern extremity of the Eifel, are the coal and alum-mines of Friesdorf. The coal is of the kind called lignite or fossil wood, and has evidently resulted from the subsideuce of some prinzeval forest; fossil fiehes, fresh-water shells, and very fiue potters' clay are also found in these beds.

Ae the Eifel is a popular and not an administrative division of Rhenish Prussia, we have no means of stating ite population. The region is divided between the three governments of Aachen, Coblenz and Trèves. The inhabitants are less polished thau their lowland neighbours, in their dress rather slovenly than neat, and their houses are in general rudely constructed. The principal mineral and other products have been already mentioned; lere we must add iron and lead, mines of which are worked near Gemünd. The manufactures are unimportant, with the exception of leather. The chief exports are milletones, trass, wine, and fruit. The inhabitants are almoet all Roman Catholics. Eifel is said to be an old German name for the Ardenne, of which region the Eifel is in reality a part. [Ardenne.]

EILENBURG. [Merseburg.]
ElMBECK. [Grubenhagen; Hildeshetm.]
EINDHOVEN. [Brabant, North.]
EISENACH, a principality iu the centre of Germany, belonging to the grand duke of Saxe-Weimar-Eieenach. It forms one of the three detached circles or provinces which constitute the grand duke's dominions, and is bounded N. by Prussian Saxany, E. by Saxe-Gotha and Saxe-Meiningen, S. by Mavaria, and W. by Hesse-Cassel. The detached district of Ostheim, part of Eisenach, lies to the south within the Bavariau confines. The principality is of greater extent than it formerly was, since it now comprehends the bailiwicks of Lichtcuberg, Kaltennordheim, Geiss, Dermbach, Vach, Frauensee, Völkershausen, and some minor tracts which have been acquired by cession or exchange from the territories of Fulda, Henneberg, and Hesse-Cassel. Its arca is 465 d square miles, and the population in 1853 amounted to $82,32 \mathrm{I}$. The greater part of this principality belongs to Thüringia, and a considerable portion of it is traversed by the Thüringerwald; betweeu which mountains aud the Rhöngebirge on the west, the principality comprehends a tract about 42 miles in length, and from 9 to 14 miles in width. The country presents a succession of hille and mountain heights, uninterrupted by any exteusive levels, and the soil is consequently uot very favourable to cultivation. It is watered by tho Werra, with its tributaries, the Nesse and Hörsel, Ulster, Fulda, Sulz, IZuhl, aud Vach. The climate is healthy, though from tho proximity of the Thüringian heights, it is variable. The products consist of grain, which is not adequate to the cousumption, timber, potashes, and tar, rapc-seed, flax, hemp, hops, fruit, \&c. Hormed-cattle and sheep are locured in great numbers, as well as swine. Of minerals-copper, iron, alum, and coale in small quantities are obtained; and there are quarries of stone and marble, as well as salt-springs near Kleutzburg, from which about 500 tons of salt are aunually extracted. Potters' clay and fullers' earth are found. The principal manufactures are linens, woollens, cottons, iron- and copper-ware, yaru, potashes, leather, earthenware, and articles of wood.

The principality fell to the dukes of Saxe-Weimar on the decenso of the last duke of Saxe-Eiseuach, who died without issue in 1741.

Eisenach, the chief town and seat of government of the principality, is situated at the confluence of the Hörsel and Nesse, which unito immediately north of tho town, and then flow through it in one channel: the village of Fischbach touches it on the east; and tho celebrated Wartburg, a mountain fastness, commands it on the south. Eiseuach stands in about $50^{\circ} 58^{\circ} \mathrm{N}$. lat., $10^{\circ} 18^{\prime} \mathrm{E}$. long. ; it is a first-class station on the Thüringian railway, 49 miles $W$. from Weimar, and 66 milcs S.E. from Cassel. The town, which has a population of about 10,000 , is surrounded by walls, has five gates, ie well built, and has broad, clean, well-paved streets. The ducal palace (Firstenhaus) is a large and haudsome edifice. Among other public buildings there are five churches, a gymnasium, with an extensivo library, a handsome civic school which oruaments the spaeious marketplace, a traiving school, aud an academy for superintendents of woods and forests. The clief manufactures aro woollens, cottons, linens, soap, white-lead, meerschaum-pipes, leather, and carpets. A stecp ascent through a fine park leads to the well-known stronghold called
tho Wiurtburg，whioh is about a mile and a guarter from Eiconach and at an devation of 1818 feet above the level of the sea．The original bnrg wa bullt in a．b．1140，and war the readence of the lindgraves of Thuringia nutil the year 1408：a largo portion of it was rebnite in the lieginnlag of the present century．On this spot， in the early part of the 18 th century，the German Nlinnealinger need to contend；and it is still better known as the place of refuge to which Lather was conreyed in 1521，on his way back from the Dlet of Worms．The little chnpel in which he frequently pronehed，and the cell which he inlabited，haro been carefully proserred in the aaine stato as when bo used them．Tho Wartburg is now noed as a prisun．

Atnong the other town，all of which nre small，the principal are Geisfungen，a station on the rallway， 14 miles W．from Eisanach，on the left bank of the Werra：population，1500；Árewaburg， 10 milea N．W．froun Einenach，on the Werra：populatiou，abont 2000 ；lengs－ fidd，manll walled town with two castles，and 2200 inhabitanta， 15 milen S．W．from Eisonach，on the Fulda，a feeder of the Worra： and Rulla， 5 wiles S．S．F．from Eisennch，on the Ruhl，which here forms the boundary between Saxe－Eisenach and Saxe－Gotha；the larger part of the town，the total population of which amounta to about 3500 ，is iu Saxe－Gotha．Muhlin has a nomnal forest school， mouufnotures of iron，handware，pipes，gloves，stocklugn，and musical inetrusuate．About two－thinds of the popnlation belong to the Saye－Gotha part of the town．

EISENSTADT，n royel free town in Hungary，finely situated in a noble expanse of country between the Leitha mountain range aud the west const of the Neusiedler－See，in $47^{\circ} 50^{\prime} \mathrm{N} . \operatorname{lnt}, 16^{\circ} 30^{\circ}$ ．E．long．， 26 milen S．F．from Vienna， 11 uiles N．by W．from Oedenburg，has about 5,00 Inhabitants．Tho town itself is walled romnd，has two gates and three main streetn，a church hnd a Franciscrn monastery，in Which is the sepulchral rault of the Esterhazy family，a monas－ tery and hospital of the Brothers of Charity，a town－hall，and offices for the administration of the Esterhazy domains．The Schlosscrund is an extensive suburb，containing about 2600 of the population，and comprises the＇Judenstadt＇，or Jew＇s Town，where 500 of that comannity reside；here aro Mount Calrary，laid out in conformity with the supposed disposition of tho sito lu Palestine， and adorned with a statue of tho Blessed Vlrgin；and the palnce called Kis－Martony，a splendid quadrangular struetnre，erected in 1805 by Prince Listerhazy，to whove fanily the whole suburb belongs． The park is large，rises in termees towards the Leitha hills，and is embelliahod with temples，a canal and cascades，an avenue of rose－ treen， 262 paces in length，an orangery of 400 trees，nine large conservatorics，contwinhig nearly 70,000 plants，water－works impelled by stean，\＆c．North of the town are zoological gardens．I＇he Priuce of Esterhazy has threo other inagnificeut gothic castles in tho neiglibourhood of the Neusiodler－Sce．

EISLEBEN，town in the circle of Merseburg，in Pruseinn Saxony， is rituated 13 miles N．W．from llalle， 30 miles N．W．from Merseburg， on an eminence abovo tho Büso，small fecder of the Elster，in $51^{\circ} 33^{\prime} \mathrm{N}$ ．lat．， $11^{\circ} 32^{\prime}$ E．long．，and has a propulation of nbont 8000 ． The town has two aubdivisions－tho Old Town，which is surrounded by walls and ditches，and han eeven gates；and the New Town； lesides thene it has fivo suburbs．It contains an old castle，four churches，a gymnasing，several elcmertary schools，and two hospitale． The chief mannfactures are potashes and tobacco；and there are copper and silver－mines in tho ncighbourliood，with two emelting． works．The town lias a brisk iuland trade．Jnther was born here on the 10 th of Norember 1483，and died here on the 13 th of February 1546．The houes in whiel lio was born was destroyed by fre in Jine 1689．On its site a mone solid building of stone was soon afterwardh eroctod，and on the 3lst of October l 693 ，it was nolemnly consecrated to the purposes of a poor－house and free－achool．In it are shown soveral memorinls of Luther．In tho principal chnreh （St．Andrew＇s），the pulpit from whleh Luther preachod is etill preservel．

## FJEA DE LOS CABALLEROS．［ARAGON．］

FKATARINBUIRG，or YI：KATARINIBU1RG，tho chief tomn of $n$ circlo in the government of lerm，in tho western part of Asintic Itnemit，wes foundod by Peter tho Great in 1723．It is situated on buth riden of the Icoth or Inet ：the western quarter of tho town in built along the slope of a gentle acclirity of the Ural Monntaina，nt N ．Inth， $61^{\circ}$ I．long．： 800 feet above the level of tho sen，in $50^{\circ} 4^{\circ}$ N．Int．， $61^{\circ}$ I．long．：population about 11,000 ．The town is fortifed and regularly bullt ；the mtreetn are long and ntrnight，but they are uzpered，and have ginuks laid on ench side of them by way of a foot－ paremons．Tho gromer jurt of the houses are of wood，but there are many handsome stone－buifdings；the ehief of them form three aides of a equare，the fourth mide of wheli formed loy tho right bank of the lcoth：thene building compriso the Minfing Depart－ ment（for Ekatarinburg is tho reat of administration for tho Ural mines），a mneonm of uninemlogy，a public library，an excelleut chomalcal laboratory，an iuporial inlut，worke for cleansing aud amas． gamating metaly，ay well ar for cnttiog and polishlug procioun etones， a achool fur educating miners，au hospital，storehousen，a guandhouse， Ace A havisome bridge mite both quartern of the town，and on the acclivity on the lef bunt of the river is a long sauge of wooden
tenemente where the workpoople reside，with the stone residences of the publio oflow betweon them and the bridge．The merchants aud denders honsen in tho town are also of stoue，and would be an orna． mont to noy city ln Europre．Ibemides five ohurches，there aro \＆Greek inomastery，a piblio schoul for $\$ 00$ puplla，a Germian school，a largo baznar，a magazine for grain，a honse of corrootion，aud several distriet and olemontary schools．The population condists of Asiatics aud Furopeaum，tho latter prind pally llusaians and Gormans，among whom aro numbern of persons exllod for public offencon Thare is a publie liall for drugs and chomicals，and a botnnio gandon attached to the hoppital．The greater part of the inhabitant depand upon the Ural mining concerns for thoir submistence；nud ns Fikatarinburg lies on the ligh road from linssin to Siberia，it ls a plaoe of transit and of brisk trade．liast and north of the lown reapectively lio tho gold miues of Beresoff and Niviansk．A wool of pines encircles the nortls－wentern extremily of the town，aud abont half a milo beyond Iies lako Iseh

EKATERINODAR．［TAORIDA．］
EKATARINOSLAV，or JERATERINOSLAV，a province in the south of Russia in Europe．It is bonnded N．by the provinces of Pultara，Klunkov，and Voronesh；E．by tho terijtory of the Don－ Cossakn；S．by the sea of Azof and the government of Taurida；and W．by the goverument of Cherson．An isolnted part of the province， which constitutes the district of Taganrog and tho territory of tho Asorian Cossaks，oxtenis ronnd the north－eastern oxtremity of the Sea of Azof，and is separated from the remainder of Ekentarinoslar by the territory of the Don．Cossaiss．The area and popnlation of these three divinious are as follows：－

| Provinces． | Area in Square milles． | Population in 1940. |
| :---: | :---: | :---: |
| Jekaterinosiar | 23，78； | 787，200 |
| Taganrog and its de－ penteacies | 1，680 | ；0，900 |
| Asovian Corsales ． | 116 | 6，000 |
| Total ． | 25，523 | $8 i 0,100$ |

Upwards of two－thirds of the surface are an open steppe，destitute of wood，nud adaptod to pasturage only：this is peculinrly tho case with that Iarge tract which is situated cant of the Duieper．The districts west of that river nere mueh more fortile，and are skirted by n range of lifls which run northwards from Alexandrofsk along the Dnieper．Lfere it is principally that the arable lands of Ekatarinodar， occupying abont one－fourth of the soil，are situatecl．Tho whole extent of the woods nud foresta does nol exceed 250，000 acros．The principal river is the Dnieper，which enters the province at ita north－ western extremity，und，wiuding throngls tho weatern parts of it， quits it below Alexaudrofsk．The immense blocke of granito which obstruet tho courso of the river at and below Nidak，give riae to is beautiful falle（paroghi）；and below them the river is divided by islands into several chanuels．［Dsinepra．］Tho Don skirt Ekatar－ inoslar only at its mouth；but its tributary，the Douecz，waters it partially in the ensh．The other streatus in this province，such as the Samara，Kialnius，\＆e．，are of no great importance．There are soveral lakes，the water of which is mnoh impreguated with salt： swampa are of frequent occurreuce．The climato is mild，and not exposed to much rariation，and the winter is of sloort duration．The quantity of grain produced is scarely adequnte to the consumption； in some fears it is so mosuty that the supply is drawn from foroign parts Ilemp and flar，peas，beans，lentils，vogotables，fruit， and melons aro cultivated．The grape ripens，and some wino is made．The foresta do not furnish suftioiout timber or fuel ；shraw， rushes，and even dung，are usorl for the lattor．The olicf kinds of trees in the furests went of tho Dnieper are tho onk，lime，and poplar．In consequmee of the earcity of timber，the houses are built of elay，and roofed with rushes．Cnttle－breeding is carried on upourn oxtonsive nealo，for the stoppes ary onc rant expanse of pasturc－ground．The atock of horses，horved cattle，goats，and swine is Immense ；and numerous floks of sheep are also kept．Cheeso and butter are made of sheop＇s milk．The unmber of beehiven approxi－ mates to 100,000 ，and whet quatities of honcy rud wax aro abtainod． The culture of the silkwosm in a farourite purauit，and this branch of indlustry is rapidly on the increase．The chase forms a means of livelihoorl，os wild animals and gane aro plentiful：undor this head nay bo ennmerated the jerbon，wolf，fox，buffulo，antelope－goat，will cat，tigor－ınartis，munk－rat，pelican，wild－fuek，and partridge．The aturgeon and other fisheries on the Duieper，Don，Kalmiun，aud Sea of Azof are very produetive．Among tho mineral products of the province，which are fow and not of inacls importanco，are lake nalt， granite，clanlk in largo quantity，clay，nnd bog－iron．Tho garnet is occaslonally mot with．
The population is a suixed race，componed of Rnsaians，Cosaks， Servianh，Wallakn，Magyire，Albanians，Oreckn，Armouinus，Tartars， Germann，a few Molsammodane，and Joms．All bnt the Cossak part of the population，whloh is memi－nomalio，havefixod abodes．The religion of the majority is Russo．Greek：the province contaims 690 parishes， aud the ecclesianticul head is the archbishop of Ekatarinoslav，Cherkon，
and Taurida The Greeks are under tha hishop of Feodosia, and the Armenians under tha bishop of Nakitshevan.

Ekatsrinoslav is divided into seven circles named from tha chief town in eacb. Tbe principal towns are:-Elatarinoslav, described in tha next article [EkatarinosLav]; Alexandrofok, on tbe left hank of the Dnieper below tha cataracts (about 4000 inhabitants); NoroMoshofsk, a fortified town N.E. of Ekatarinoslav, on the Samara (3000 inhabitants); Bachmul, on the Bachmuta, a feeder of the Donecz (ahout 4500 inhabitants) ; near it are Tartar tombs and three lines of old fortifications; a coal mine has lately been discovered near this town: Taganrog, on the Sea of Azof (about 16,000 inhabitants); Mariapol, at the efflux of tha Kalmius into the Sea of Azof, with about 3500 inhahitants; Nakitshevan, on the right bank of the Don, which is the eeat of an Armenian patriarch, and has a population of 10,000 and manufactures of silk, woollens, and brandy; and St. Demitria Rostofskaye, or Rosiov, a fortress a couple of miles west from Nakitschevan; population about 2500. The town of Azof has heen noticed already. [Azor].

The manufactures of Ekatarinoslav, which are of little importance, ara woollen cloths, silk, tallow and candles, leather, and beer. Tha number of brandy distilleries is very great. The principal articles exported ara fish, wool, tallow, and other animal products.

The province of Ekatarinoslay was first constituted by the empress Catherine in the year 1784, and was composed of the districts lyiug next the southern banks of the Dnieper (which were before this held by the Cossaks), of several large districts wrested from the Turks, and of Crimean Tartary as far as the shores of the Sea of Azof. In 1797 the emperor Paul augmented it by the addition of other lands bctwean tbe Bog aud the Dniester, which had been ceded by Turkey, and tho peninsula of Taurida; and he designated the whole of this extensive country New liussia. In the year 1822 however the emperor Alexander reorganised Niew Itussia, dividing it into the threa provinces of Ekstarinoslarr, Cherson, and Taurida.

EKATARINOSLAV, a town in South Russia, the capital of the province of Ekatarinoslav, is situated on the right bauk and just above the cataracts of tho Duieper, at the junction of the Kaidak with that river, in $48^{\circ} 27^{\prime} \mathrm{N}$. lat., $35^{\circ} 5^{\prime}$ E. long. The first stona was laid hy the empress Catberine II. in 1787. Tbe town is built close to the foot of a hill, and according to an extended and regular plan adapted for a much greater number of inhabitants than the 13,000 which it at present contains. The streets are broad, and laid out in straight lines. There are several churches, a gymnasium, and an ecclesiastical seminary, an imperial manufacture of woollens, and several hospitals. Silk stockings are made, and soma retail trada is carried on. The town is the residence of tha archbishop of Ekatarinoslav, and has an eccleaiastical seminary and a gymnasium.

EL CALLAH. [ALGERIE.]
ELAM. [ELYMals.]
ELATMA, or YELATMA. [TAMBOV.]
ELBA, the Ilva of tha Romans, AEtbalia of tho Greeks, is an island in tha Mediterranean Sea, near tha const of Tuscany, from which it is divided by the channel of Pionbino. This channel is about five miles broad in its narrowest part opposito the town of Piombino, which is ou the main land. The shape of Elba is very irregular; its length is ahout 18 miles, from $10^{\circ} 0^{\prime}$ to $10^{\circ} 25^{\prime}$ E. long., and its greatest breadth, which is on its enst side, is about ten miles, from Cape Calamita $42^{\circ} 43^{\prime}$ to Cape Vito $42^{\circ} 52^{\prime} \mathrm{N}$. lat. ; but iu its west part it is six miles broad, and towards the middle of its length it is only three miles, owing to tha coast (which is high and bold) being indented by gulfs hoth from the north and soutb. Its area including some adjacent islete is 97 squara niles; and the population is 20,061 . The island is mountainous; the highest summit, Monte della Capanna, in its west part, is 3600 feet abova tha sea. The mountains are mostly naked, hut the lower ridgen and the valleys between them are planted with the vina, olivo, and mulberry, and other fruit trees. Tha island produces also some wheat and Indian corn, vegetables, and water melons. Wine, both white and red, and of good quality, is made in considerable quantities. A sweet wine is also made from the muscadel grapa. Horned cattle and horscs are rather scarce, but there are plenty of sheep, goats, pigs, and asses. Fish is plentiful on tha coast, and tbe tunny fishery jields a considerabla profit. Tha salt-pans on tho sea-shore produce about 50,000 cwts. of salt yearly. Elba is ricb in iron, which is of the best quality, and was worked in tho tima of tbe llomaus. It ia found in a mountain, near lio on the enst coast, which is almost entirely a mass of ore, sbout two miles in circumference, 500 feet in height, and yields from 50 to 75 per cent. of pure metal. Owing to the scarcity of fucl tha ore is emharked at Follonica on the cbaunel of Piomhino and taken to tha maiuland to be smelted, as it was when Strabo wrota. Tha other mineral productions of Elba are loadstone, alum, vitriol, and marblo of various kinds. Porto Ferrajo, the capital and residence of the governor, has about 3000 inhabitants. Porto Ferrajo lies on tha north coast of tha island, and is strongly fortified with two citadals ou tha hill ahove it, and has an excellent harbour. The town has two parish clurches, ona hospital, ancl a lazzaretto; it las a gnrrison and nilitary commander, a civil and criminal con't. From Porto Forrajo a good road, five miles in lengtll, made hy Napoleon I., leads to Porto Longone, a small fortress and harbour, on
the enst coast. The other villages in the island are Rio, Marciana,

Campo, and Capo Liveri. Nspoleon I. Emporor of the French resided in Porto Ferrajo after his first abdicatiou, from May, 1814, to the 26 th of Februsry, 1815, when he set sail for Cannes. Since that time Elba has been annexed to tha grand duchy of Tuscany.

ELBE, one of the largest rivers in Europe, flows like the Weser entirely within Germany. It originates in tbe confluence of a number of rivulets and hrooks which fall down tbe western side of the Schneekoppe, one of the highest summits in the Riesengebirge of Bohemia, and in that part of them which separates Bohemia from Silesia. The stream thus formed runs southward to Hohenelbe, thence in a general southern direction past Arnau and Köuigsgritz where it is joined by the Adler, and higher up near Josephstadt by the Aupa and tho Metau, all on tha left bsnk. After receiving the Chrudimkn at Parduhitz, a station on the Vienna-Prsgue railway, the river takes a westerly direction to Kollin, receiving in the interval the Dobrowa on tha left bank. From Kollin tha Elbe runs north-west past Podicbrad to Nimhurg, where it receives on tbe right bank the Czidlina. It now pursues a course due west for about 15 miles to Brandeis, above which it receives the Iser, tbence north-west psst Melnik, where it is increased by the waters of the Moldan on the left bank, and from which place (in $50^{\circ} 20^{\prime} \mathrm{N}$. lat., $14^{\circ} 28^{\prime} \mathrm{F}$. long.) it has an unobstructed navigation to its moutl. From Melnik it continues ou a geueral north-west course to bclow Leitmeritz, a few miles ahove which towu it is joined by tha Eger on, the left bank. [Eger]. From this place it flows northwards to Aussig, where it is joiued by the Bila, and then takes a winding easterly course past Tetschen where it receives the Pulznitz, bends gradually nortb-westwards, quits Bohemia near Herranskretschen, and enters the kingdom of Saxouy, being at this point 355 feet in width. Below Tetscben the Elba Hows through a defile between the Ery and tha Riesen Mountains; bold cliffs and huge natural battlements of rock rising on either side, clotbed with ricb foliage wherever it is possible for a tree to hang or broken by smooth plots of verdure leading away into romantio dells. In Saxony the Elbe takes a north-westerly course past Schandau, between which place and Dresden it passes througb the Lusatian and Ohre Mountains of Saxony, then flows to Pirna, Dresden, Meisseu, Riess, and Strehla; and enters Prussian Saxony at Loesmitz, about seven miles above Miuhlberg. From Muhlberg its course is uorth-westerly to Torgau, and thence to Witteuberg, sbove which it receives the Black Elster; here it takes a westerly direction, trhverscs the Ducby of Anhalt in which it receives the Saale and Mulde, and then turning northward, re-enters Prussis above Aacken, and flows N.N.E past Magdeburg (recciving the Ohre on its left bauk) and as far as Sandow, wbere it is joined by the Havel. Here it again takes a uorth-westerly direction, forming first the boundary betweeu Brandeuburg and Prussian Saxouy till it passes Schneckendorf, and next for a short distance between Brandeuburg and Hanover: thence it separates Hanover from Mecklenburg until it enters the nortb-eastern districts of tbat kingdom betweeu Dömitz and Hitzacker. After traversing them as far ss Boitzenhurg, it divides the Hanoverian dominions from the duchies of Lauenburg and Holstein and the Hamburg territory, until it discharges itself into tba North Sea. Altogether it traverses Hanover or forms its north-eastern boundary for about 120 miles. Below Wingen, which lies to tho south-east of Harburg in Hanover, tho Hmenau falls into it, and below Neuhauss somewhat above Altous, but on the left bank like the former, 'the Oste. From Hamburg and Altoua downwards to Glückstadt in Hulatein and thence to the North Sea it becomes navigsble for large ships. Vessels of 14 feet dranght can at all times ascend the river to Hamburg. Its mouth lies north of Cuxhaven, about 85 miles below Hamburg, and is about 12 miles wide. C'anals connect tbo Elbe with the Oder and tha Trave tributaries of the Baltic. The railway from Vienna to Dresden ruus at a little distance from the left bauk of tbe river all the way from Pardubitz to Dresden (nearly 120 miles); and from this city the stream is in parts skirted and at points croased by sections of the Saxon, Prussian, Hanoverian, Oldenburg, aud Danish lines down to Glückstadt and Holstein:

In tha lower part of its course, namely, between Harburg on its left Lank and Hamburg and Altona on its right bank, the Elba is divided into several arms by five larga and seven small islands; these arms however unite again in a siugle chaunel at Blankenese, about five miles below Hamburg. The whola length of the lilbe is between 600 and 700 miles, and it is navigabla for about 470 miles. Its mean depth is 10 feet, and its average breadtb 900 feet; but it widens at some points to 1000 faet and more, and near its mouth to several miles. The height of this river above the level of the sea is as follows: -Near its sonrce, 4151 feet ; at Köuigggrätz, 618 ; at Melnik, 426 ; at Schandau, 320; at Pirna, 287; at Dresden, 262 ; at Wittenherg, 204 ; at Magdeburg, 128 ; at T'angermünde, 87 ; at Losenrade, 48 ; at Dömitz, 26 ; at Hitzacker, 19; at Bleckede, 11; and at Boitzenburg 9 feet.

There ara 35 bridgcs across the Elbe between its source and Torgau, below which town the commuuication betweeu botll banks (except where the river is crossed by railways) is by ferries. The principal bridges are ono at Leitmeritz, which is of wood and stone, and 823 feet in length; one at Dresden, of stone, 1420 fectlong and 36 feet broad; one at Wittenberg, of stona and wood, 1000 feet long; and at Magdehurg, where there arc three wooden bridges across tbe threc arms of the river.

The waters of the Elba are increased by the confluence of 17 rivers
and upwarla of io minor atreauns. Since the year 1 S0I its depth lins Iecrmeel nearly 9 inches at Driaden and about is inchee at Magdoburs. In Boherin, where lens attentiou has bnen paid to the clenring of woollnnds and drainage of arampe nul? marahes than in tho other parts of Germany through which it flowe, the dimlnution has been far lone The hasin is estimated to occupy, about 88,800 miles, and lies between $50^{\circ} 2^{\prime}$ and $53^{\circ} 54^{\prime} \mathrm{N}$. lat. $8^{\circ} 41^{\prime}$ and $16^{\circ} 12^{\prime} \mathrm{F}$. long.
The river is well stocked with palmon, eels, sturgeons, and other fiab. Light steamers ascend tho river as far as Melnlt in Bohemin The beucfits derivable from the nnvigation of the libbo have been alwaya nunch curtailed by the namber of duties levied by the different atatos through wbich it flows So many and so high are the tolls imposed upon the navigation of this river and the Weser that trading along theere routee has grently diminiabed within the last twenty-five yeare During this period the total reccipta from tolls on these rivers were 260,000 rix-dollars, and the expensee 295,000 rix-dollare
El, BF:RFELD, a large manufacturing town in tho Düssellorf government of Rhenish Prussia, stauds in $51^{\circ} 16^{\prime \prime} \mathrm{N} .1 \mathrm{lat}$, , $^{\circ} 8^{\circ}$ I. long., 8 miles E. from Düseldorf, and land 35,000 inhabitants in 1840. A milmad froin Düseldorf through Elberfeld joins the Cologne-Minden line at Dortmund. It is a long atraygling town running along both sides of the Wupper, whieh hero flows through a narrow valley screened by ateep but not very bigh hills. Some parts of it are well built and pared, but most of the town is composed of irregular, narrow, and dirty strecta. Here nnd there aro seen spacious houses fronted with cut-stone and in the best arehitectural styles The river is a most dingusting object, being the receptacle of all the rewere and offscourings of the numerous dyeing establisluments of the town. The waters of the Wupper however are kaid to poseess most ralunble bleaching properties, and to this cireumstanco Elberfeld is indebted for ita origin and prosperity. The town is the seat of an exterisive cotton and silk manufacture, but is more important still for its dyeing, printing, spinning, and bleaching establishments. The cotton-printers and silk-dyers consume a large quantity of piece-goods that are woren by hand in the surrounding districts; their patierna, which are very superior, aro designed on the premisen of the inrge printers, who employ French artisto at high salaries. About 40 firms are engaged in the silk manufactures. Merinos and fancy woollen gools are also mnnufnctured here. The town has 69 dyeing cstablisb. anente, 10 bleaching-grounds, 6 cotton-spinning faetories, I large woollen mill, with maehine-makers and colour-works; it has also bloek-pattern cutting, printing, engraving, and lithographic priuting establishmeuts. Tapes and ribands are an important articlo of manufncture, with which this town and Barmen (wbich touches Elberfeld on the east) supply all Germany. [Baryes.] The colour called Turkey-red is produced in Filberfeld moro cheaply and of better hute than in any other place in Europe. Of the publio buildings the Roman Catholie chureh, which is in the Byzantine style, and the guildhall, in the great rooun of which is a benutiful frieze painted by the nrtists of the Disseldorf school of painting, are the most remarkable. The town has a gymaasium, a inuseum, eeveral bànks, 2 orphan asylums, 3 lospitals, and a grent number of educntional establishmeuta Among theso last is one for young mauufacturers and the managers of factories, In which the mechauical processes in the construction of the jacquard-loom earils, and the calculations accompanying them in weaving, are taught, as well as pattern-lrawing. This establishment, one of great efficiency and importance, is supported by the town, which nlso maintains its own poor by means of a mite. Elberfeld is well lighted with gas. (Banfield, Manufactures of the Nhine; Ilandbook for North Germany.)
ELBEUF, or ELBEEUF, a large manufacturing town in the department of Seine-Infericure in France, stands in a benutiful valley on the left bnuk of the Seine, at a distaneo of 78 miles N.W. from Paris, aud 13 miles S.S.W. from Rouen. The population mmouuts to above 16,000, exclusive of about 10,000 workpeople, who remaiu in the town only on the dayn they are cmployed nt tbe factories, thoir fixed residence being in the villnges of the neighbouring communea. The town in in geveral ill-bullt, ill-laid out, and badly paved; but within the last twenty years many linprovements have been made. A great number of largo factories and handsome edifices have been erected, the quays exteuded, tho old streets widened, nud n spacious champ de foire, or market-place, with sido-avenues planted with chestrut-trees, has been constructel. The atrects aro lighted with gas, and the town is well anpplied with water from eight Artesian wells, one of which feodn six public fountaina. The mont remarkable public buildings in F:lbeuf aro the churchen of St. Fitienne and Stu Jean-Raptiste, the interiors of which are ricbly decornted and lighted through fine painted windown.

Elbeuf has a tribunal and ebnuber of commerce, a consultative chamber of manufactures, and a council of Prud'-11omines for tho settlement of differencen between manufneturers and their workmen. The factories of the town and nelghbourbood, which exceed 200 in number and are roontly workel by ntosin-power, produco a grent quantity of woollen elothn; the deseriptiona are various, nnd include double-milled and waterproof eloths, zephym, and fnncy clotha of all coloura. From 50,000 to 70,000 pieces of 60 yarda each, at from 10 to 20 franea a yard, aro produced nnnually. The cloth is purchased of the manufacturers by large commimsion-housen, of whlch there are
abont 70 in the town, and by them it is ment to various parts of France. This town is also colobratod for the manufacture of billiarltable eloth and fanmel. It containe several dye-houses, fulling-mills, and largo wool-storon, benides wool-wahing establishments whieh lie along the Seine and the Puchot, a small winding streans that Traverseas the town. Stem-boats ply between llibeuf and Rouen; the Tourville station on the Paris-livuen railway is only four miles distant froru I:lbeuf.

## (Dielionnaire de la France ; Commercial Skatistict.)

F:LBING, a fortified sen-port town, and a phee of commiderable commercial importance, in the Pruesian government of Danzig, is situated on the lalbing liver. which is united to tho Nognt anm of the Vistula by the Krafullal Canal about 4 miles N. from the town. The town is about 5 miles from the mouth of the river in the FrischeIlaff. It stands at a distance of 356 milea by railwny N.E. from Berlin, 31 milea S.F. by mailway from Danzig, iu $54^{\circ} 10^{\prime} \mathrm{N} . \operatorname{lnt}$, $10^{\circ} 25^{\prime} \mathrm{E}$. long., in a very fertilo valley, nud is surrounded by bigh wralls, towerm, and ditehes. It is divided into the oll and new town, 3 inner and 11 outer suburbs, and has 5 hand nud 2 water gates, 5 Lutheran churehos, a Reformed Lutheran and a Roman Catholic churel, a synagogue, 5 hospitals, in convent, an orphnn asylum, woikbousc, bouse of corroctiou, house of industry, $n$ auringa bank, and a gymmasium, with a large library.
Elbing was founded by the Teutonic knights about the year 1220. It was a member of tho 11 auseatic League, and now ranks in the second class of towns in the Prussinu monarchy. The population is about 20,000 , one-fifth of whom are Roman Catholics. Tho inhabitants manufacture woollen eloth, tobacco, sail-cloth, sonp, starch, pearl-ash, caviar, stockings, oil, and linen; there are also tan-yande, ship-building yarls, chicory-mills, sugar-refineries, \&c. The town has a brisk trade with Poland, from which corn, potash, wond, liuen, wood, tallow, and wax are obtained; and iron, wine, manufactured and colonial goods, de., are seut in excbange. By the Kraffuhl Canal small vessels can come up to the wharfs, but the larger ones are obliged to unload nt Pillaut, which is the harbour of Elbing. About 500 vessels belong to Elbiug, but they are almost all of amall burden. There is a considerable sturgeon fisbery at Elbiug.

## ELBEEUF, [1:LbEUF]

ELBOGFN, or ELLLNBOGEN. [EGER.]
ELBOURS, ELBURZ, or ELBRUZ. [CAUCASUs.]
Elche. [Valencta.]
ELEPILAN'TA, a small islnad about ${ }^{7}$ milen in eircunference, situated between the island of Bombay and the Malimatta shore, froun which it is distaut 5 niles, and 7 miles from the castle of Bombay, in $19^{\circ} 2^{\prime} \mathrm{N}$. lat., $72^{\circ} 57^{\prime}$ E. long. Its name nmong the natives is Gorapori; that by whieh it is known to Europeans was derived from the figure of an elephant twice the size of life cut out of tho solid black rock on the acelivity of $n$ hill about 250 yards from the lnuding-place. This figure is now conpletcly dilapidated. At a short distance from the elephant stands the figure of a horse, also cut out of the rock. On tbis islnnd is n reuarkable temple-cave. The entrance to this eave, or temple, occurs about half why up the steep assent of the mountain or rock out of which it is excavated. Its length, measuring from the entrance, which is on the north side, is 130 feet, and its breadth 123 feet; the foor not being level the height varies from 15 to 178 feet. Tho roof was supported by 26 pillars and 5 pilasters, disposed in four rows; but several of the pillars are broken. Ench column atauds upon a squaro pedestal and is futel, but instead of being cylindrlcal is gradually enlarged towards tho middile. Abovo the tops of the colunams $n$ kind of ridge bas been cut to resemble a berun nbout 12 inches square, and this is ricbly carved. Along the sides of the temple are carved between 40 and 80 colossal figures varying in height from 12 to 15 feet; none of them are entirely detached from the wall. On tho south side, faciug the main entranee, is an enormous bust with three faces, which is supposed to rupresent tbo triplo deity, lrahma, Vishnu, and Siva, the centro face is 5 feet in length. At the west side of the temple is a recess, 20 feet square, laving in tbo centre an altar. The entrauco to this recens is guarled by eight unked figures, ench 13 f feet high, sculptured In n superior manuer. The origin of this cave is quito uuknown: it is frequontly visited by devotees for tho purpose of offering prayers ancl oblations. (Captain Ilauniton, Accoune of India, 1744; Maurieo, Indian Antiguities: Niebulr, loyage en Arabie; Arelucologia, vol. vii. ; Asiatic Rescarches, sol. i)
ELEUSIS, $n$ celebrated town of Attica, stood on rising ground uear the northeru thore of the Gulf of Salnmin, nnd opposite to the Isle of Salamis, in $38^{\circ} 4^{\prime}$ N. lat., $23^{\circ} 30^{\prime} \mathrm{E}$. long., not far from the casters boundary of Megaris. Fleunis gave ite name to oue of the twelve ancient divisions of Attica. It owed its celebrity in thic historical ago to ita being the prineipal eat of tho raystical worsbip of Demeter, who in search for her daughter Persephone (1roserpine), was eaid to linvo rested by tho well Callichorus nt Eleusis, nnd to have taught Triptolemus the use of corn on the Tharian plain. [ATrica.] In very nncient times lilounis is maid to bave been an independeut state of mome inportnnce, and to have cnrried on a war with Athens, which resulted in its becoming subject to that eity in everything except the celobration of the mynteries, of whicb tho Eleusiniaus wero to continue to hare the management. (Thucyd. ii
15). This worship suhsisted at Eleusis from the earliest period of history to the time of Alaric. The annual festival and celebration of the Eleusinian mysteries were by universal consent ragarded as the holiest and most renemble in Greece. The great festival began on the 15th Boedromion, and lasted nine days. The first day was called the assembling (a $\boldsymbol{a}^{2} p \mu \dot{s}$ ) ; on it all who had received the preparatory initiation in Elaphebolion at Agro were invited to complete their
 ye initiated !' from the words of the proclamation by which they were admonished to purify themselves. This purification took place in the peitoi, two streamlets of salt water running into the Gulf of Salamis, and which separated the territory of Eleusis from the rest of Attica. Of the proceedings on the third and fourth daya but little is known. The fifth was called the 'day of the torches', $\lambda a \mu \pi d \delta \omega \nu$ $\dot{\eta} \mu \dot{\epsilon} p a$, on acconnt of a lampadephoria, or torch-procession, in which the initiated marched two and two round the temple. The initiation took place on the sixth and seventh days of the feast. The sixth day, which was called Iacchus, was the chief day of the Eleusinia. On this day the statue of Iacchus was adorned with a garland of myrtle, and carried in procession with songs and shoutiug from the Cerameicus to Eleusis, and back again ou the following day, which was named the 'return of the fully-initiated' ( $\nu 0 \sigma \tau 0 \tilde{\sigma} \sigma$ เ oi $\in \pi \delta \pi \tau a 1$ ). According to Herodotus this procession was not uncommonly attended by at Ieast 30,000 persons. The seventh day was called Epidauria, in honour of Asculapius, who did not arrive from Epidaurus to be initiated until after the return of the Epoptre. The ninth day was called $\pi \lambda \eta \mu o \chi o ́ \eta$. The ceremony of this day consisted in the symbolical overturning of two vessels filled with wine. Those initiatod at the lesser mysteries were called $\mu \dot{\sigma} \sigma \tau \alpha$, from $\mu \nu \bar{\omega}$ 'to close up, bccause they wero bound to strict sileace; those who had passed through the Elensinian ceremonies were called énor $\pi$ at or Eфороь, 'contemplators,' because they had been admitted to see the sacred objects; they were also hailed as happy and fortunate ( $\epsilon \dot{\delta} \delta$ aípoves, $^{\prime}$ of $\lambda$ ( 106 ). In what the initiation consistcd has been the subject of much fanciful speculation. The probability is that there was, according to the prevalent belief of many of the best ancient as well as recent writers, a setting forth of a higher and purer moral faith, with the adumbration of a resurrection to a future and happier life. Every Athenian was obliged to pass through these ceremonies once in the course of his life. Bastards, slaves, and prostitutes, as well as strangers, and in later time Christians and Epicurenns, were cxcluded from the Eleusinia. To revcal any of the mysteries, or to apply to privato purpoaes any of the hallowed solemnities, was considered a capital crime.

The great temple of Demeter, erected in the place of an earlier one burned by tho Persians, was commenced in the time of Pericles, by Ictinus tho architect of tho Parthenon, and finished by Philo under the auspices of Demetrius Phalerius. It was the largest, and generally regarded aa one of the four finest in Greece. From the researches of the commission appointed by the Dilettanti Society, the cclla, or interior of the temple, appears to have been 166 feet aquare, and to have had in front a magnificent portico of 12 Doric columns, each $6 \frac{1}{4}$ fcet in diameter at the bottom of the shaft; erected by Philo. This great temple occupied the castern extremity of the rocky height ou which stoud the Acropolis of Eleusis. The town itself occupied a triangular space, each side being about 500 yards iu length, lyiug between the hill and the shore. It was surrounded by a wall, the extremities of which, as was common in Grcek military architectnre, were carried into the sea so as to form molcs, which sheltered a small circular artificial harbour. Eleusis was in a flourishing condition under the Romans, owing to the eagerness with which the Roman nobles sought initiatiou into the mysteries. It was destroyed by Alaric in A.D. 396, aud from that time it ceases to be mentioned in history. When Spor and Wheler visited the site in 1676 it was entirely deserted. Some years later a few inhabitants collected about it; and the spot occupied by the great temple is now the centre of a village called Lepsina, until within the last year or two, but to which the ancient name has beeu since restored, in accordance with a recent law, by which the principal localities of Greece are to be in future called by their ancient and classical names. Eleusis is now a considerable village. Besides the fragments of the inclosure of the great temple there are some heaps of ruins of the propylæum, of nearly the same plan and dimensions as that of the Acropolis of Athens, and other works on the Acropolis; portions of a small temple 40 feet long and 20 feet wide, probably that of Artemis Propylsea, \&c. A finely cxecuted colossal marble bust, supposed by some authorities to be that of Persephone, was brought from Eleusis in 1801 by Dr. E. D. Clarke, and is now in the public library at Cambridge.
(Leake; Wordsworth; Murray, Mandbook for Travellers in Greece, 1854.)

ELEUTHERA. [BaHamas.]
ELGIN, Elginshire, Scotland, the county town, a royal and parliamentary burgh, and market town, is agreeably situated in a plain, in $57^{\circ} 39^{\prime} \mathrm{N}$. lat., $3^{\circ} 32^{\prime} \mathrm{W}$. long. The small river Lossie winds round the western and northern sides of the town, and is crossed by several aubstantial bridges. Elgin is 145 miles N. from Edinburgh, and 64 miles N.W. from Aberdecn. Tho population in 1851 was E383. The town is governed by a provost, 4 bailies, and 12 councillors.

Conjointly with Banff, Cullen, Inverury, Kintore, and Peterhead, it returns one member to the Imperial Parliameut.

Elgin, called anciently Helgyn, of which mauy derivations are given, most probably owes its origin to the fortress or castle on the top of Lady Hill. With the ancient fortress (a royal castle prior to the time of William the Lion, in 1188), its old jail and still more ancient church of St. Giles (its patron saint) in the centre of the town, and the cathedral and canons' houses at the east end, Elgin was a kind of ancient Edinburgh on a small scale. The modern public buildings in the town are numerous. Gray's Hospital, for the sick poor of the town and county, is entirely supported from fuuds left for the purposo by Alesander Gray, Esq. It is a handsome building with a Grecian portico and a cupola; it stands in a commanding aud healthy situation at the western extremity of the town. A small pauper lunatic asylum, built in 1834, is within the grounds of the hospital. A pillar erected to the memory of George, the last of the dukes of Gordon, is placed on the top of Lady Hill, and forms a conspicuous object. A public fountain now occupies the site of the old jail; and in the centre of the Migh-street, on the site of old St. Giles, the ancient church of Elgin, is the new parish church, an elegant structure, erected in 1828. The Elgin Institution was built from and is entirely supported by the muuificent legacy of the late General Andrew Anderson, who left 70,0002 . for "the support of the aged and the education of youth" belonging to the town and county of Elgin. It is a handsome quadrangular building, surmounted with a circular tower and a dome, is constructed of freestone, and ornamented with Doric columns and sculptured figures. The building and grounds cover an area of about three acres. There are 10 old people and 44 children living within the building, and in the school there are about 200 children receiving education gratuitously. The court-house for the sheriff and burgh courta is a new building. The jail is in its immediate vicinity. The Elgin and Morayshire Museum was built about twelve years ago by private subscription. A small but ncat Episcopal chapel with a parsonage, and the Mason Lodge, or Assembly rooms, are situated in North-street. The Roman Catholics have a new and haudsome gotlic chapcl. The covered market-place just erected supplies ample accommodation for tho market traffic. Tho buildings of the Elgin Academy are poor; but tho seminary confers great advantages upon the commulity. The scholars are under the care of teachers of Latin, mathematics, and English, whoso salaries are partially secured by an endowment. There are in the towu an Infant school, a Tradea school, a scientific association, a mechauics socicty, and a saviugs bank. The corn-market is held on Friday. The town is well supplied with gas and water. Lossiemouth is the sea-port to Elgin. The industrial occupations of the inhabitants and the mcans of communicatiou aro mentioned in the description of the county. [Elginshine.]

The charter erectiug Elgin into a royal burgh was granted by Alexander II. in 123.4. At an early period the neighbourhood was adorned with extensive ecclesiastical establiehments. The cathedral was first built iu 1224, but it was burnt down by the 'Wolf of Badenoch,' son of Robert II., in 1390. The ruins now extant aro those of the second cathedral, a magnificent structnre, erected in 1414. Its length of 264 feet, breadth at the transept of 114 feet, aud central tower of 198 feet, give some idea of what its size and extent must have been; while the ground-plan, studded with bases of pillars, and the numerous carved stones, iudicate that considerable taste aud skill had been exercised in its erection. A college was attached to the cathedral, and included within its walls the house and gardens of the bishop and those of 22 canons. On the south side of the town are the ruius of a convent of Gray friars, and on a hill west from the town are the rcmains of an ancient fort.
(New Statistical Account of Scotland; Communication from Elgin.)
ELGINSHIRE, called MORAYSHIRE, as it formed the central part of Moray, one of the provinces into which Scotlaud was aucieutly divided, a county in the north of Scotland, lying between the Grampian Mountains and the Moray Frith, is bounded N. by the Moray Frith, W. and S. by the counties of Nairn and Inverness, aud E. by Banffshire. Inverness-shire intersects tho county, and cuts off a small portion of its southern extremity. Elginshire is situated between $57^{\circ} 10^{\prime}$ and $57^{\circ} 43^{\prime}$ N. lat., and between $3^{\circ}$ and $3^{\circ} 45^{\prime} \mathrm{W}$. long. ; its extreme length is $58 \frac{1}{2}$ miles, and extreme breadth 26 milcs. The area of the county is 531 square miles, or 340,000 statute acres. The population in 1851 was 38,959 . This county unites with Nairnshire in returning onc member to the Imperial Parlianeut.

Coast-line. -The line of sea-coast extends upwards of 30 miles, and presents in the middle portion bold precipitous rocks of sandstone, with a few detached pieces, as the 'Holyman Skerries,' lying seaward. The two extremities of the line are for several miles formed of vast mounds and raised beaches of sand and gravel. Several small harbours are situated along the coast-line. On the east, at the mouth of the Spey, lie Kingston and Garmouth. The Spey is not ordinarily navigable even by the smallest craft, and can only bo entered at high tide. The lighthouse on Covesea Skerries Point is one of the best of the Scottish lighthouses; it has a revolving light. Westwara of the lighthouse lie the Caves of Covesea, in former times the resort of smugglers. They consist of large natural excavations iu the sandstone cliff, and are remarkable from their number, size, and intricate windings. Hopeman is a fishiug-villago with a small harbour. Burghead, the

Incet marked and commanding point on the IElginshire const, was the last stronghold of the Danes in this part of Scotland, and in anjpumed to lare been a lioman station. Several vestiges of antiquity are still to bo seen here, as the 'lloman Woll' or bath, and remaius of gravolmounde raised for defence. At the harbour of Burghend, whero wtean-resels from London, Leith, and Sutheriand touch, there are 11 feet of water at neap-tides, and 14 feet at apring.tides Findhoru, the sen-port for the burgh of Forres and the westeru parts of tho county, stands at the influx of the river Findborn, and at the north side of a large shallow bay:

Surface and Gredony. - The portion of the county which is bonnded by the Moray lirith, and areraging about firo wiles in loneulth, is flat, and characterised by its light and gravelly soil, with occasionnl rilges of clay, and protrusions of the underlying moks, which are subordinate beds of the old rel-eaudstone formation. In a fow spots uay be seenz traces of oolite, with its chameteristic fossila Except some sterile mands elose by the sen and the Loch of Spynie, almost the whole surface of the flat or 'llow of Moray' is occupied by cultivated ficlds, of which wheat is the staylo production, or by thriving plantations of Scotch fir, larch, and hardwood. Gneiss is the prevailing rock southward to the confines of Banfl and luveruess shires, forming, with its associated granite, bieds of limestone, and other primitive rocks, many high and rugged hills, whieh shelter numerous fertile valleys Mrodern plantations bave taken the place of the ancient forests of llomyshire.

Around Elgin, and at Covesea, and in several other localities, are inexhaustible quarries of sandstone of every degree of hardness and texture, and of many tinta of colour, from the fine rosy hue of Newton to the deep yellow of Bishopmill. The comnty otherwise is destituto of mineral productions; nad with the exception of the supplies of peat and wood which it affords, the inhabitants have to depeud for fuel upon the conl-fields of the south. Line is imported in large quantities from the same quarter.

Hydrayraphy, Communications, dec.-The only portion of Elginslire that touches the sea is the cuast-line already described. The rivers belouging in whole or in part to the count y, are the Spey, the findhorn, and the Lossie, with some of their trihutaries. The 'rapid Spey' rises in Badenoch, a district of Iurerness-shire, and is said to drnin about 800,000 acres In its course through Elginshire it is joined by the Nethy, the Dulnan, and the Aron; after the junction of the Arou tho Spey becomes much more impetuons than hefore. The river runs in a uortheasterly direction along the castern boundary of the connty, and, from its numerous windings, its course is nearly 100 miles long, the direct distance being only 75 miles. The Spey winds its courso through varied and pieturesquo scenery. It rises among the sterile hills of Badenoch, and passes the sylvan retreats of Rothicmurchus and Castle Grant; its banks are adorned by the mansions of Ballin. dalloch, Elchies, Aberlour, Arndilly, and Orton, and it waters the valleys of Dipple, Dundurcas, Rothes, Dandaleith, and Dalvey. Its finest portion is that which lies between the villages of Rothes and Aberlour, aud which has the iron bridge of Craigellachie as its centre. The Findharn rises among tho Monadleadh Hills in Inverness-shire, and in its courso passes through a succession of rugged hills and wooded dales, alternating with rock and meadow. Only a small porthon of this stream, which is shout 90 miles in length, traverses Elginhhiro, where it falls into the sen at Findhorn Harbour; it is a hroad and shallow stream, being navigahle only for small craft when the tide has risen. The scenery of Dumphail and Relugas, on the Durie, a tributary of the Findhorn, is much admired hy tourists. Salmon are caught in the river Findhorn. The Lossie runs between the Spey and the Fiudhom, traversing the central part of the couuty. The decp ravines in its cours are ofton exceedingly picturesque. This river rinen iu tho hills between Dallas and Strathspey. In its lower course it lecumes more wirding than either the Spey or tho Findhorn. It is joined by the Lochty, or Blackhurn, aboul two miles to the west of Ligin, and after sweeping round tho north side of that towu, atd the castern side of Barflathill, falls into the Moray Frith at Lossiomouth, or Stotfioldhead Marbour. Near its influx tho Lonsio receives the surplus weters of the Loch of Spyuic. The circumference of this Lools and the quality of ite watern have varied greatly at different periods An underlying bed of marine shells shows it to have been onco one of the beat-furnished and nost extended oyster and coeklebedn in Scolland After it had been separated from the sea and convertal lato a lake or lagoon, the sall or brackish water gave place to the fresh, which destroyed all the marine mollnaks, nud nourished for age large manses of Typher and Cyperaceer, with thelr attendant speciec At various times the waters of tho Loch have been partially drained off, and conmiderable portions of land have been reclaimed and cultivated. In Augush, 1829, tuemorable as the era of the 'Moray Aloods' the waters in tho Loch rowe so hlgh as to carry off the floodgate at the mouth of the small caual hy which the superfluous water was allowed to encapa. This has never been replncod; and conseqnently the lower part of the Loch rivee and fulls with the tide. The Loch of Spynie in a farourite resort for hoste of wild fowl, particularly of the migratory sorth. Lochindorh, wleh its laland, and remalns of a royal castle, is a fine pioce of water, lying on the ontukirts of the county. It abounds with excellent trout, an does the Loch of Glonmoro, in Alernethy, which however exccls Lochindorh in sconery, as it lies in w well-wooded valley. Loch Niabo, between Eochabers and Elgin,

Lochn Trosie, Dullan, and Suir, near the sources of the lossie, are also babitath of tho trout.

The leading lines of road aro those from Elgin to Forres; frous Elgiu to Lonicmouth; from Orton, on tho Syey, to Elgin; from Eligin to Bursheal ; from llurghead to Forres; from Forres to Grantown. Within the last thirty years good crosis roals hare boen coustructed in every direction over the county: Lixcept in the winter stcam-bunts sail regulaly from one or more of the filginshine semporta, particularly lurghead, to London, Lilinburgh, A berluen, Banff, Iuremeas, Cromarty, Iuvergordon, aud Golapie. 'lhere is ueither canal nor railway in the county.

Climate, Soil, Agriculture. -Tho climato of Elginshiro is galubrioun. The open, sandy, and gravelly nature of the suil acts as a great natural drain, aud, unlike the strung clays of tho adjoining counties, provents the stagnation and conseyuent evaporatiou of water, which loads the atmospliere with noistnre aud reduces tho teuperature. The northern part of the county is but littlo elevated above the sea level, and is not so much exposed lo cold and moist wiuds from tho German Ocean as Banlf aud Aberdeeu, aud, being surrounded on all sides, except tho north, by mountaius which ateract the clouds, it has the roputation of having forty days of faire weather more than the other parts of Scotlaud. The greatest diffurcnces as to the quantity and duration of snow are observed between the higher, or southem, and the lower, or northeru divisions of the county. While every operatiou in agriculture can be carried on without interruptiou aloug the const and for miles into the interior, yet among the hills, south of the line where wheat cas bo profitably cultivated, the ground sometinces remains for months together, either covered with suow or buud by frost, so as to bo inaccessible to the ploughalare. In Elginshire, ns iudecd on the whole east coast of Scothond, spring is the most severe asd trying season. Alternatious of heat aud cold, with prevailing east winds, frequeut suow showcrs, and late frosts aro the usual characteristics of this season. Occasionally north-westerly winds occur, which blow at all seasous of the year, and continue for three or four days at a time.
In the lower or uorthern division of Elginslire whent is the staple produce of the arahle land, in the upper districts the staple is oatis. Its capability to grow and riyeu wheat early gave a stimulus to the agriculturo of the uorthern district, which was anciently reputed to be the 'grauary of Scotland.' Drill husbandry was early adopted on the larger farms, and now universally prevails, Under the direction and examplo of the Morayshiro Farmer's Club, instituted in 1799, the hest breeds of cattle, horses, and sheep, and the most improved agricnltural implemeuta, have been introduced. Drainage has becu largely and systematically carried out on nost farms. Turuips thrivo well in all parts of the county; Swcdish tumips have been more extensively cultivated of lata years, and mangel wurzel has becu introduced. Un every farm, however small, a regular rotation is stipulated for by tho proprietor, aud includes a green crop or cleansing once every four, five, or aix years. The great majority of farms ano comparatively small-from 50 to 100 aeres-hut somc contain from 100 to 600 acres. The almost universal term of lease is 19 years The cattle chiefly used in Elginshiro are the short-horned, nud erosses of that breed with the old stocks of the districk. Sheep huabandry is extending orer the lower part of the county. In the higher part of the county the farms usually have extensire pastures attached, which are better adapted for graziug cattlo than the lower districts. In the lower parts the \&ocks are chiefly composed of tho Cheviot aud Leicester breeds, with their crusses; whilo the black-faced rariety ure found in the remoter gleus and hills. Large flocks of these however are brought down to winter in the suoro gemul valleys near to, rud opening upon, the low country. Tho horses used for agricultural purposes, by careful crosaing, hare beeu greatly iuproved. Tho improvement in the breed of swino has also been very marked. The dense population of tho villayes along the shore depend upon the produce of tho fisheries for their subsistence. Tho herring fishery in July and August is their barvest, and afords abondaut employunent for about six weeks Of lato years the whito flish (chielly cod and haddock), havo heen curcel and exportod to the London aud other marketn.

Tozons, Fillages, dec-There are two rojal hurghs in this countr, Eleax and Fonkess Besides the places already referved to as situnted on the const, the following villages may bo noticed:-Bishopmill, a small villago soparated from Elgin by the Lossic, contaius soveral grails-mills. Some good villa reuideucea aro situated on the north bank, which overhangs the river, and commands a fine view of Elgin and the rauge of the Manoch which lies southward. Fochabers, a burgh of barony in the parish of Bellie, one of the most beautifully situated villages in the north of Scoiland. In the centre of the villago is a fine open square in which are the parish church and au Episcopal chapel. Miln's Invitution for the free education of the youth of the parish, stands at the east end of the village, and is an olegant struc-
ture. The chief ornaments of the ncighbourhood, although locally situated ln Banffinire, aro the buildings and grounds of Gordon Castle, the seat of the Duke of Richmond. Kingaton is on the Spey, one of the most valuahle fish rivers in Seotland. Of late years the rent of the fishing In the Spey, which wan at one time 8000 a year, has been some 2000 h. or 3000 . lower. The fish bave been decreasing in number as well as in
sizc. Kingston is the chief ship-huilding station on the Moray Frith. Lossiemouth, or Stotfieldhead Harhour, in the parish of Drainy, is the chief sea-port for Elgin, the county town, which lies $5 \frac{1}{2}$ miles inland. A new harhour was completed in 1839. It has two inuer hasins, The depth at its entrance at low water spring tides is under 4 feet; the rise of tide at spriugs is 11 feet; at neaps, 8 feet, and sometimes 10 feet. There are many residences of proprietors snd mansions dispersed throughout Elginshire, as Dalvey, Brodie, Moy, and Kincorth on the Findhorn; Sanquhar House, Inverernc, Grangehall, Lea Park, and Drumeltan, in the vicinity of Forres ; Elchies, and Orton Housc on the Spey; and Innes House, Duffus House, Gordonston, Grant Lodge, Milton Brodie, Bromoriston, Westerton, Pitgavenuy, Findrassie, Palmercross, Inverugie, and Newton in the neighbourhood of Elgin.

Divisions, dec.-The whole county is included iu, and forms part of, the Synod of Moray. According to the 'Census of Religious Worship and Education,' taken in 1851, it appears that, so far as was ascertained, there were then in the county 64 places of worship, of which 25 belonged to tho Estahlished Church, 20 to the Free Chureh, 8 to the United Preshyterian Church, 4 to the Independents, 3 to Episcopalians, 2 to Baptists, and 2 to Roman Catholics. In 62 of these 64 places of worship the numher of sittings is stated at 28,293 . The number of day schools in the county was 96 , of which 65 were public schools, with 4649 scholars, and 31 were private schools, with 1077 scholars. Of Sahhath schools there were 61, with 4213 scholars. Of these schools 22 werc connected with the Estahlished Church, 18 with the Free Church, and 8 with tho United Preshyterian Church.

Ifistory, Antiquitics. - The names of many places in the county are of Celtic crigin. The situation and climate of Elginshire caused it to he early visited and occupied hy the Scandinavian trihes, who, under their sea kings, roamed over the north-west of Europe. The early history of Moray is closely connected with their inroads and settlements, which have no douht largely contrihuted to mark the distinction which Elginshirc, along with the enstern counties, shows in the language, features, names, and hahits of its population, as contrasted with thoso of the central and sonthern parts of Scotland. Ahout 1160 Malcolm IV. entered the province of Moray, and suhdued the rebellious spirit of its inhahitants, transfcrring many of them, it is said, to other parts of his dominions. Suhsequent to this there is little in the provincial history distinct from that of Scotland.

Among the antiquities of Elginshire the ruins of Elgin cathedral hold the first place. [Elcon.] Tho Priory of Pluscarden, situated geven miles west of the town of Elgin, was founded in 1230 for Cistercian monks. In 1460 the priory was assigned to nnother order of the regular clergy. The ruins, which are very picturesque, stand in a well-wooded glen. The Abbey of Kinloss, two miles N.E. from Forres, once a nohle structure, now exhihits hut a few scattered ruins This estahlishment was largely endotwed, and was presided over hy a mitred ahbot. The oldest ecclesiastical huilding in tho county of which there are any remains is the church of Birnic. Standing on a small isolated knoll this structure appears to havo heen raised prior to 1224, wheu the first Elgin cathedral was huilt, It is of early Norman style. Some of the earliest of the hishops of Moray are huried in it. It is still used as the parish church. Tho Bishop's Palace at Spynie, his town house, close hy the cathedral, and tho ruins of the Grayfriars, are of interest to the antiquary. The other ohjects of antiquity in Elginshire are Randolph's Hall, in Darnaway Castle, a room 89 feet long hy 35 feet brooul, with its lofty roof of oak, which was huilt hy Randolph, Regent of Scotland, in tho time of David Bruce : in it Queen Mary held her court in 1564; the castles of Old Duffus, Dallas, Rothcs, and Dunphail; and tho towers of Burgie, Blervie, Aslisk, and Coxton.
Industry. -The inhahitants of Elginshire are chiefly dependent on agriculture. The land is cultivated either hy the tenant and his family, or hy servants, male and female, engaged every six months The only factory, properly so called, is one in the vicinity of Elgin, where about 50 of the population of the town are employed in the fabrication of tweeds, tartans, plaids, \&c. One of the chief manufactures of the county is that of whisky, there being seven distilleries in constant work. Two breweries at Elgin and one at Forres carry on an extensive trade. Elgin ale and tahle-heer have heen long in repute. At Elgin there are a foundry, a tannery, and two ropeworks. A hrick and tile work is carried on near the Loch of Spynie. In 1851 there were two savings banks in the county, at Elgin aud Forres The amount owing to depositors on 20th Novemher 1851 was 28,540l. 0\%. 8 d .
ELHAM, Kent, a small town and the seat of a Poor-Law Union, in the parish of Elham, is situaterl on a feeder of the Stour, in $51^{\circ} 10^{\prime}$ N. lat., $1^{\circ} 6^{\prime}$ E. long., distant 10 miles S. hy E. from Canterhury, and 65 miles S.E. hy E. from London. The population of the parish of Flhnm in 1851 was 1207. The living is a vicarage in the archderconry and diocese of Canterbury. Elham Ponr-Law Union contains 20 parishes and townships, with au area of 36,928 acres, nud a population in 1851 of 18,680 . The parish church is a handsome aud commodious edifice; the borly of the clurch is of the transition from the Norman to the early English styles; the clerestory, the roof, and the east window of the chancel are perpendicular; the tower is decorated. There are chapcls for Wesleyan Methodists aud Bryanites; National and British sehools ; and a Free school, founded iu 1727.
(Hasied, Kent; Communication from Elham.)

## ELIMBERIS. [Aסch.]

ELIS or ELEA, $\Omega$ district of the Peloponnesus, included hetwcen Achaia, Arcadia, Messeuia, and the Ionian Sea. Its coast-line extended from the river Larassus in the promontory Arasus on the north to the mouth of the river Neda on the south: on the east it was howided hy the Arcadian Mouutnius, on the west hy the sea. Elis was originally divided into threc parts, the northern called hollow Elis (koì $\eta^{\circ} \mathrm{H} \lambda(s)$, the middle called Pisatis, and the southern Triphylia. The earliest inhahitants of this territory wero the Epeans and Pylians, who occupied the wholc western coast of the Peloponnesus fron Araxns to Taygetum, the line of demarcation hetween these two tribcs heing ou a line with Cape Ichthys. (Leake's 'Morea,' ii. p. 182.) The chief towns of the Epeans were, iu the time of Homer, Elis and Buprasium. ('Iliad,' B. 615, $\Psi 630$.) The Eleans were the first people in the Peloponnesus who experienced the effects of the Dorian invasion, as their territory was the landing-place of the invaders, and was assigned hy $t^{\prime}$ em to their ally the Ætolian Oxylus, who claimed to he desec ded from Ftolus, the son of Endymion, a mythical king of the Epeans Oxylus and his new suhjects conquered Pisa and Olympin, where the Olympian games were estahlished ahout b.c. 1104, though they were not regnlarly celehrated till Corochus gained the prize in B.C. 7 T6. Those games excrcised a most important influence on the suhsequent destiuies of Ehis. The reverence with which the Greeks in general regarded this festival was extended to the couutry in which it took place, aud the districts in the neighhourhood of the cities of Olympia and Elis were always free from the ravages of war so long as the games maintained their respectahility. In the earlier periods the Pisatans sometimes presided over the celehration of the games; hut the wars hetween Messenia and Sparta enabled the Eleans to form a very intimate connection with the Spartans, which ended in a tacit understanding that the intervening sea-const should he divided hetweeu the two powers; the resistance of the Pisatans only hrought upon them the destruction of their city, B.C. 572 , which from this time disappears from history, and the annexation of all Pisatis and Triphylia to Elis. The harmony hetween Elis and Sparta continued nninterrupted during the Peloponnesian war till the peace of Nicias B.C. 421, when the Spartans assisted the Lepreatæ in their revolt against the Eleans, and the latter endeavoured to avenge this iuterference hy excludiug the Spartans from the Olympic gamcs. After some years of misunderstanding, they were compelled to returu to the Spartan allianco hy the invasion of Agis, whicly deprived them of the greater part of their political importance. Iu в.c. 365 they were engaged in a war with the Areadians, which deprived them of almost all their southeru territories. The Eleans were firm supporters of the Atolians during the social war, and never joined the Achreau league. Under the Romans Elis coutinued to possess a measure of prosperity, until the suppression of the Olympic games hy Theodosius in A.D. 394. In 396 the country was laid waste hy Alaric. In the middle ages tho country was occupied hy Gottfricd of Villehardouiu and other military ndventurers, who built several fortresses, around which small towns grew up. Elis suhsequently passed iuto the hands of the Venetians, under whom it contiuued to flourish for a cousiderahle period. It has now lost ncarly all its ancicut prosperity, and is a poor and thinly peopled district; the only place of any importauce in it heing the small town of Pyrgos, which has an appenrance of considcrahle industry and activity, it heiug the mart from whicla the produce of the country is exported and Europcan goods aro received.
The coast of Elis is an almost unhroken sandy level ; the coly protection for vessels heing such as is afforded hy the promontories of Araxus, Chelonatas, and Ichthys. From the nature of the coast the numerous small streams are prevented hy narrow sand-hanks from entering the sea and form shallow staguaut lagoous, which produce constant malaria and render the coast almost uninhahitahle. During the summer months openings are made in the sand-hanks, and tho lagoous hecome speedily filled with fish, which are readily takeu: this kind of fishing is helicvod to have heen also practised here in ancieut times. The fish arc salted and cured on the spot, and largely exported. The principal sea-port of Elis was Cyllenc, which Colonel Leake supposes to he the inodern Clarenza. ('Travels in the Morea,' ii. p. 174.) The surface of the country is considerahly diversified, hut has a general elevation from the coast westward; the country consisting in fact of the eastern slopes of the Arcadian Mountaius. Towards the coast the soil is sandy, in the valleys and meadows it is argillaceous, or a rich mould; and stone is found ouly in tho mouutains. (Leake, ii. p. 179.) The territory was more fertile than auy other in tho Peloponnesus, and very populons, and is said to have heen the only one in Greece which produced flax; for which indeed the plaiu of Gastuni is still celehrated. A great quantity of fine timber, especially oak, still grows in Elis; wheat and cotton aro cultivated. Horses, cattle, and oxen were reared in large numbers in ancicnt Elis. The principal rivers are the Alpheius (Rofen), which flows along a hroad and fertile valley through the centre of Elis, and the Peneius (Gastuni). Its chief mountain, Pholoe, was celehrated in ancient poetry and mythology. This name appears to have heen given to nll the highlands of Elis north of the river Alpheius.

The plains of Elis were interspersed with numerous nnwalled

Sowns and villages; the only fortiaed city wra the capital Filis. This eity was originally called liphyra, aud, acconling to Colonael Leake, ehanged ita nano in the time of Oxylum. It stoon at the foot of the hill uow called Kaloakupi (the Venetian 'Belvidero'), on whleh was the acropolis of tho city. In the auciont eity was $n$ famons grmusaiun, the largeat in Greece, in which the athleta who contended in the Olympie game were ohligel to undergo a month's freparatory truinin:. There were beasles several temples and ntos, a thentre, in the rgora (which alno marcul av a hippolromo) were varions statues; and on the aeropolis was a temple of Athena in which was a


Coin of Fils.
Britiah Naseum. Aetual Size. Silver. Welght, $183_{1}^{3}$ grains.
rtatue hy Phidins of the goddeas in gold and ivory. When Pausauias visited Elis the city was one of the most magnificent and populous in Greece. Now little more romains of it than "several masses of Roman tile and mortar, with many wrought hloeks of stone and fragments of sculpture seattered orer a spaco of two or three miles iu circumference." (Leake, i. p. 5.) On its site are two or three colleetions of menn house., which together are called Paleopolis.
(Leake, Trarels in Moren; Curtius, Peloponnesos.)
1:LIZAB1:TGRAD. [ChERsos.]
ELLENBOROUGH. [Cuxberland.]
FLLESMFBE, Shropshire, a markettown, and tho seat of a PoorLaw Union, in the parish of Eillesmere, and Fillesmere division of Fimbill hundred, is nituated in $52^{\circ} 54^{\prime} \mathrm{N}$. lath, $2^{\circ} 52^{\prime} \mathrm{W}$. long., distant 19 miles N.N.W. from Shrewsbury, and 169 niles N.W. from London by soad. The population of the town in 1851 was 2087 . The liviug is a ticarage in the archdeaconry of Salop and diocese of Lielfield. Ellesmere I'oor-Law Union coutains 17 parishes and towniships, with an area of 70,974 acren, and a populatiou in 1851 of 15,226 .

Ellenmere owes its namse to the beautiful mere or lake close to whieh it stands The manor was granted by King John to Llewellyn, prinee of North Wales, who married Joau, the king's daughter ; hut it geems only to hare been held at the will of the king. In the reign of Elizabeth it was alienated to Thomas Egerton, who was afterwards Lord Cbane:llor, and was ereated Baron of Eillesmere. There are no remains of the castle ; the cminenee on whieh it stood is now used ns a bowling green. The town is nest and elean, and lighted witl gas. The eluureh is large, partly of the 1 4th eentury, but various portions are of later dater. The nave, whieh was rehuilt in 1849, is in the early decorated ntyle. The Independents and Weslegan and Primitive Methodists have places of worship. There are National sehools; a school at the Indepeudent chapel; a ehurch sehool; a dispensary, a provident society, a mechanies institute, and a savings bank. The market is held on Tuesdny; flax and stockings are the principal artieles sold. Malting and tanning are carried on. Six fairs are held in the year. The Eilemmere and Chester Canal is of great importance to the trade of the town.
(Communication from Ellesmerc.)
BLLICHPO'Ols, a prineipal city in tho proviuce of Berar, in situated in $21^{\circ} 14^{\prime} \mathrm{N}$. lat., and $77^{\circ} 19^{\prime} \mathrm{E}$ long., about 100 miles W. from Nag. pore $1 t$ lics in the Doab, between the Sarpan and the Beechun rivers, which form a junction near Elliehpoer, and afterwards fall into the Pooma. This city is held, together with a small surrounding territory, by a petty ehief, who in nominally dependent upon the Nizam of Ilyderabad, but in under tho proteetion of the English. The palaee of the ehief is a handsome and commodious huilding, and the bazanrs and houmes in the ricinity are built of brick. The rest of tho eity conninte of mud houser.

## 1:lliolse [Cincars, Norturbs.]

LILMINA. (GOLD COAst.]
J:LO'llA, or ELLLOTRA, a town nituated near the eity of Dowletabad, in $20^{\circ} 1^{\prime}$ N. lat., and $75^{\circ} 13^{\prime} \mathrm{F}$. long. It forms a part of the Nizun's dominion, thene being under Britimh proteetion. This place was once of eouniderable lmportanee. It is to the excavatious near the town that Elora owes its celebrity. Thene cxcavations, whieh necur ln a mountain about a mile to the enst of the town, were formerly Ilindoo temples of great eanetity, althongh they are now never risiterl exeept from curiosity. They are eut out of the solid roek, and the labour whieh they cont muat have been prodigiously grent. The largest cavo, whieh is called the Kallam, Is $24 \%$ foet long aud 150 feet wirle. It contains neulpturen of almont every deity of the 11 indoo mythology, and mont of them of colomal sizo. Thin ehamber contrins the Great Temple, whieh in a monolith, or solid piece of rock hollowed out; It is 103 feet long, and ita greateut breadth in 01 feet; its interior height in 18 feet; but ife exterior rinen in a pramidal form to the
height of more than 100 feet. Thero aro several other largo tomple-caves in different parts of the mountaln. Thore are also numerous amaller excarations without sculptures. Tho date of the excaratiou of these caves is unknown; they wore probably constructed at various times and by different princea.
(Soely, IFonders of Ellora; Asiatic Fiesearches, vol. vi, ; Transactions of Lit, Soc. of Bombay, vol. iii.)
ELPIHIN, Roncommon, a post and market-town, and the seat of a bishop, in the parish of Rilphin, is sitnsted in $53^{\circ} 30^{\circ}$ N. lat, $8^{\circ} 10^{\prime}$ W. long., distant about 14 miles N . from llaccommon, and it snilon W.x.W. from Dublin. The population of the Lown in 1851 wna 1229. The town consista chiefly of one long irregular atreet of rather moan houses. Tho cathedral nud the binlop's pnasee, whieh are seen from a considerable distanee, give a pieturesque appearanee to tho town. The cathedral is a plain builling, 50 feet long, and 28 feet in breadth; it has a square tower; the interior of the strueture is rather neat. The bishops residence in an old huilding sitmated on the surninit of the ridgo on which the town stands. There is a diapensary here for the Carriek-on-Shannon l'oor-Law Union. Four fairs are held in the eourse of the year.
The ehapter consists of a dean, precentor, areldeacou, and eiglit prebendaries. The see of Elphin was fourded about the end of the 5 th century by St. Patriek, who set over it Asie as its first bishop. Asic, like many otherd of the primitive Irish hishops, was a distiuguislied worker in metals. Elphin is now united to the diocese of Kirmone aud Ardagh.

El,SINORE, or ELSINEUR, iu Danish ITelsingür, a sea-port town in the Danish island of Seeland, is situated at the narrowest part and on the west shore of the Sound, opposite the Swedisll twwn of llesingborg, from which it is three miles distant, in $56^{\circ} 2^{\prime} 11^{\prime \prime}$ N. Iat., $12^{\circ} 36^{\circ} 49^{\prime \prime}$ E. loug., nud has about 8000 inlabitants $1 t$ is bere the Danish government colleets the Sound ducs from all merchant vessels exeept those belonging to Swedeu and Denimark. [Buatic.] On a tongue of land east of it is the castle and fortress of Kronhorg, the guns of which command the Sound in all directions. The eastle is huilt of white stone in the gothie style. From the top of the great tower or from the lighthouse which rises at the north-western angle of the court-yand, fure views of the strait and ueighhouring conntries may he obtaiued. At a short distance to the north. west of the town is a handsome palace called Marienlyst, with an hospital for seamen, built upon a commauding cmineuco elose to it. The pleasure-grounds of tho palaee are open to the puhlie, and command noble views. Elsiuore itself is an open town, and las been mueh improved of lato ycars. It cousists of a main street of considerahle length, with several lateral streets. The harbour is accessihle to ships of small draught The town contains two churches, a town-lall and high sehool, an infirmary and hospital, a thentre, and a quarantine establishment. Independently of a gooil foreign trade, the townsmen are employed in making straw lints, arms, refined sugar, brandy, de., in printiug eottons, and in the fisheries. The harbour is formed by a wooden pier. Elsinore is about 22 miles N. from Copenhagen, with whieh it is commeeted by electro-telegraphio wires It was the birthylace of Saxo Grammaticus, a celehrated writer of the 12th eentary, and is the seene of Shakspere's tragely of 'Hamlet.' Foreigas consuls reside at Eilsinore. Caroline Matilda, wife of Christian VII. of Denmark, was imprisoned on a charge of adultery in the castle of Kronborg until the interferenee of her brother, George 111. of Bugland, procured her removal to Zell. Under the eastle are casemates caprahle of holding 1000 men. The vaults beneath are the fabled resideuee of Holger Danske, the great mythic hero of the Danes. Steamuers ply to Copenhagon daily, and Swedish, English, aud llussian starmers to ports in tho Baltie, call at Elsiuore. In hard winters the Sound is frozen neross.

## ELSTER [Elbr.]

ELSTOW. [Bedrondsure]
ELTHAM. [Kent.]
hivas. [Aleateno.]
ELY, Camhridgeshire, an episcopal eity, market-town, and the seat of a Poor-Law Union, is aituated in $52^{\circ} 24^{\prime} \mathrm{N}$. Int., $0^{\circ} 15^{\prime} \mathrm{E}$. long., distant 16 miles N.N.E. froun Cambridge, 67 miles N. by IF from Londou by road, and $72 \mid$ zniles by the Eastern Countien railway. The population of the eity of Bly iu 1851 was 0170. For Eanitary purposes the eity in governed hy a Loeal Board of Hoalth. The livings aro perpetual euraeies in the archdeaconry and diocese of Ely. Eily Poor-Law Union containa 13 parishees and 1 chapelry, with an arca of 82,270 aeres, and a population in 1851 of $22,816$.
Fly is the capital of that division of Camhridgonhire whiels is called the IEle of Ely, ln the northera part of tho county. Etheldreda, daughter of Anna, king of liant Anglia, and wife of Oswy, king of Northumberland, retired here about the year 670 , and soon after founded a mounstery, of which she became the ahhess. In 870 the abbey was pillageal and deatroyed hy the Danen, and its revenues wero annexed to the erown. In 970 lisigar granted the isle to lithelwold, bishop of Winehester, who rebuilt the monastory, aud provided it with monkn After repoated attacks of Willian tho Conqueror, the Inhabitanta, who mado a gallant defence, were obliged to surrender; many of them were put to the sword, and most of the valuable furniture and jewels of tho monastery were seized; but through tho
firmness of Theodwin, who had been made nbhot, the property was restored.

In 1107 Ely was erected into a hishopric by Henry I. Henry VIII., after the surrender of the monastery, granted a charter to convert the conventual church into a cathedral, hy the title of the Cathedral Church of the Undivided Trinity. The cathedral of Ely displays a singular mixture of styles of architecture, but taken as a whole it is a nohle structure. The most ancient part is the transept, which was erected in the reigas of William Rufus aud Henry I. The nave and great western tower were built in 1174; the other parts were erected at different periods between that time and the year 1534. The interior is exceedingly beautiful; the nave is supported ly lofty columns, which are almost without ornament. The octagontower combines solidity with gracefulness; and the choir is a perfect specimen of early English architecture. The stalls are beautifully carred. The Lady chapel is a most elaborate example of early English. The length of the cathedral, including the Galilee porch, is 517 feet ; and the western tower is 270 feet high. There are many intercsting monumeats. Ely cathedral has been for several years undergoing the most extensive repairs and restorations under the supervision of the dean and chapter. The interior has been beautifully restored, and the works have been effected in a thoroughly substantial and judicious manner.

The city is situnted on a cousiderable eminence near the river Ouse. It consipts priucipally of one long street; the market-place, which is in the centre of tho town, contains a commodious corn exchange. The city is lighted with gas. The town-hall is a commodious building, containing in the central portion court-rooms, in the south wing a chapel, and in the north wing an infirmary; a housc of correction is at the back.

St. Mary's churcli is a handsome building, partly Norman with portions of carly English. The church of the Holy Trinity, which is attached to the cathedral ou the south side, was formerly the Lady Chapel. It was commenced in the reign of Edward II., and is one of the most periect buildings of that age. It is 200 fect in length, 40 foet in breadth, and 60 feet in height; it has neither pillars nor sideaisles, but is supported by strong buttresses, surmouuted with pinnacles. There arc chapels in Ely for Baptists, Independents, Wesleyan Methodists, and tho Countess of Huntingdon's Connexion. The Grmmenar school, founded by Henry VIII. in 1541, is under the control of the deau and chaptcr, who appoiut the master. The school is free to 24 boys, called king's scholars, who in addition to instruction receive 3 l. 6s. 8d. each per annnm. The number of scholars in 1853 was 41. Thereare also National schools, a Charity school, founded in 1730, a mechanics institute, and a savings bank. A county court is held in the town.
The soil in tho vicinity is exceedingly fertile, and supplies great qnantities of fruit, vegetables, and butter to the London market. flicre is a considcrable manufactory for earthenware and tobaccopipes, and there are several mills in the isle for the preparation of oil from flax, hemp, and cole-seed; lime-burning is carried on, and there are sevemal breweries. By the river Ouse and by canal there is water communication with Cambridge, Londou, Lynn, and Wisbeach. The market is on Thursday for corn and cattle. The fairs are on Ascension Day and the eight following days, and October 29th for horses, cattle, hopa, and Cottenham cheese.
The secular jurisdiction formerly possessed by the bishops of Ely is taken away by the 6 th and 7 th Will. IV.c. 87 , and vested in the king, who is empowered to appoint a Custos Rotulorum for the isle. T'he assizes are now held by her Majesty's judges who join the Norfolk circuit.
The diocesc of Ely is in the province of Canterbury. The diocese extends over Cambridgeshire, Bedfordshire, Huntingdonshire, and a part of Suffolk, and comprises 529 benefices. It is divided into four archeleaconrics, Ely, Bedford, Huntingdon, and Sudbury. The chapter cousists of the dean, the archdeacons, seven canons, five minor canons, aud a chancellor. The income of the bishop is fixed at $5500 l$. The bishop has considerable patronage at Cambriclge; hc is visitor of four collcges, appoints absolutely to the mastership and one fellowship of Jcans Cullege, chooses one out of two nominated by the society to be master of St. Peter's Collcge, and has besides a considerable uumber of livings in his gift.

## (Bentham, IIistory of Ely.)

EMBlRUN. [Alpes, Hautes.]
EMDEN, the chief town of the province of Aurich, iu Hanover, is situatel in $53^{\circ} 22^{\prime} 3^{\prime \prime}$ N. lat., $7^{\circ} 12^{\prime} 33^{\prime \prime}$ E. long., a little below the outfall of the Ems into Dollart Bay, and has about 12,000 iuhabitants, nearly 500 of whom are Jews. The town stands on the east shore of the bay, and is connected with the Eins by a canal about two miles long, called the Delf Canal, which was constructed in 1769 . It is surrounded with walls and towers, and consists of Faldern, the old town, and two suburbs, which contain about 2250 houses. It is intersceted hy canals, over which are 30 bridges. Its spacious town-hall, with an uld armoury and library, is one of the finest buildiugs in Jiast Friesland. There are six churches, of which three belong to Dutch Calvinisto, one to French Calvinists, one to Lutherans, and one to Roman Catholics. There are also a syaggogue, a gymuasium, schools of navigation and desigy, clementary schools, a richly eudowed
orphan asylum, a castle and custom-house, barracks, and societies of the fine arts and national antiquities.

The population of Emden iu 1652 amounted to 20,000 , and owned upwards of 600 vessels. A century afterwards the town had so much declined that the populariou did uot exceed 8000 . It came into the hands of Holland in 1808, was made the chief town of the department of Ostem in 1810, and in 1815 was, with the whole of East Friesland, incorporated with the kingdom of Hanover. The port, consisting of an outer and an inner harbour, is shallow. Emden has heen a free port siuce 1751; but the Delf Canal, which unites the harbour with the town, and is drained aud cleansed hy meaus of five inland canals, has frequeutly no water in it, and can be entered at high water only; and even then it is not navigable by vessels which draw more than 13 or 14 feet water. All ships of greater draught are obligcd to discharge their cargoes in the fine roadstead called Delf, into which the canal opens. There is a treckshuyt, or towing canal, about 14 miles in length, between Emden and Aurich.

Emden is the chief commercial place in Hanover; and ship-buildiug is carried on to a considerahle extent. As early as the year 1682 it had an African trading company, and in the middle of the last century an East India company. The herriug fishery off Scotland, which is a source of great profit to the place, is carried on by four companies, who send out between 50 and 60 ships. Emden has hrandy distilleries and sawing and oil-crushing mills, besides manufactories of fustian, cottons, stockings, sail-cloth, cordage, needles, leather, soap, tohacco, \&c. It has considerable trade in linen, thread, corn, butter and cheese, tallow, wool, hides, \&c. Opposite the harbour are the small remains of the island of Nessa, or Nesserlund. It is separated frons Delf by a swampy arm of the Ems, and previously to the inundations, which overwhelmed it hetween the years 1277 and 1287, formed a heautiful spot of about 80 square miles, with a town called Torum, two narket-towns, numerous villages, and several mouasteries and convents. All that is left of it at the present day is a church and five or six houses, huilt on high mounds of earth, hut protected by dams from the sea. A railway is in course of construction from Emden southward through Liugen and Osnabrück to the Cologne-Minden line, which leads to Hanover.

## EMESA. [SyRLA.]

EMLY, Tipperary, a small market-town which gives name to a bishopric, is situated in $52^{\circ} 25^{\prime} \mathrm{N}$. Iat., $8^{\circ} 17^{\prime} \mathrm{W}$. long., about 7 miles W.S.W. from Tipperary, and 112 miles S.W. from Dubliu by the Dublin and Cork railway. It is said that Eraly was anciently a city of some importance, but it is now an insignificant place. The population in 1851 was 425 . The parish church is a good building. The ruins of the cathedral present little of interest. The see of Emaly was founded by St. Ailbe, who died in the year 527. It was united to the archiepiscopal see of Cashel in 1568. The sees of Cashel aud Emly are now united with those of Waterford and Lismorc. The chapter consists of a dcan, precentor, chaucellor, archdeacon, and five prebendaries.

## EMMERICH. [DÜSSELDORF.]

## EMPOLI. [Firenze.]

EMS, the ancient Amisus, a river in the north-west of Gcrmany, which has its source in the Teutoburg Forest, to the north-west of Paderborn, in Westpilalia. From this point the river pursues a sluggish westward course between low hanks to Rietberg, then turns to the north until it approaches Harsewinkel, where it hends again to the west past Wahrendorf aud Telgte, and thence flows north-west ward to Schuitdorf, in Hanover, below the town of Rheine, where it quits the Prussian territory. At Fuestrup, ahout 5 miles helow Telgte, it is from 4 to 5 feet deep; and about 5 miles lower down it hecomes navigable for small flat-bottomed vessels. It enters the Hanoverian dominions ahove Schütdorf, and traverses them for ahout 70 miles. The general direction of this part of its course, in which it makes numerous bends, is due uorth, until it quits the province of Osnabruick, iu passing through which it approaches within a short distance of the town of Lingen, and has that of Meppen on its right bauk. Tho Ems in this part, though full of water iu the rainy season, is so shallow in dry weather that a canal, called the Ems Canal, has heen opened from Haukensfihe, about 8 miles above Lingen, which runs purallel with the river, has a depth of 5 feet, and rejoins the Enis at the confluence of the Hase at Meppen. From this town to Papenburg its bed has been deepened, so that in the shallowest spots it has a depth of three feet. Just above Papeuburg the river winds eastward, and theu inclining somewhat to the north-east ruus on to Leer, whence it pursucs a northerly course till it has passed Vornhasen, and from this spot turns to the north-west, and ultimately enters Vollart Bay in about $53^{\circ} 18^{\prime}$ N. lat. Tho Uster (East) and Wester (West) Ems, which are formed hy the saud-banks Rausel aud Borkumrif, are the channels by which the Ems discharges its waters into the North Sea. Between tho Ransel aud Dollart the Ems is wide, and separates East Friesland from the Dutch province of Groniugen. The Ems below Leer widens to a breadth of 300 feet, aud hetween the Dutch aud Hanoverian territories its width varies from 5 to 9 milcs. The whole length of this river is estimated at about 210 miles, and it is navigable for vessels of 80 or 100 tons burden as high as Papenburg, where it ceases to be affected by the tides. Its principal tributaries on the right bank are the Hasc, which passing Osnabrúck
falla into it at Jeppen, afler a courso of about I 2.7 miles ; tho An, which rises in tho northern part of tho 'rutohurger Walh, and falls into the Fims a few miles above Llugen; and tho lomla, which enters llanover from the duchy of Oldenhurg and jolns tho lime nenr I,eer, after a course of about $50^{\circ}$ niles. On tho lof hank the Fims receires ouly the little river Abe, which panses Munster. Tho lanin of tho Ems lins an area of only about 5000 square ruilen, the amallest arem of any of the rivers which fall into the North Sea
Phillart Pay, which wet formed loy the terriblo inumation of $12 \%$ [Fivers], is about 10 miles long from north to south, and about 6 iniles acroses at lia greatest whllh. At its north.wemtern extremity the Fins leaves it by a channel about two milew wide at itn narrowest part It has been elowly filling up for centuries past, and about two aquare tniles of land are recorenel from it every forty years by pushing out eubankments to protect tho uewly-formed allurial noil.
ENARIA, a country in Africa, west of Abysainia, which was visited by the Portugues Antonio F'ernnndez in the IFth century. Modern travellers hare collected information reapecting it; according to which, this country is situated 15 dagi jouracy from Basso, on the Nile, or twenty days from Goudar, between $6^{\circ}$ and $8^{\circ} \mathrm{N}$. Iath, $33^{\circ}$ and $35^{\circ}$ F. long. It ie described as more elevated than all the countrien which murronud its In the centro of the country is a group of rery high mountains called Kheress ; on its unthern declivity orlginate the Kible and the Maleg rivers, whlch fall into tho Abal. Tho rivers which originate on the sonthern declivity of the Kherean Momntaina fall Into tbo Goshop. A great portiou of tho comiry is covered with furesta, in which severnl kinds of trees are fonnd which bear edible fruits, and one of them is used for dyeing black. The coffee-tree is indigenous, and met with in such ahundance that the wood is used as fucl; it attrins a height of 12 to 14 fect. Elephants, gimffes, and bufaloes are stated to abound, as well as some otherkinds of wild beasts. Civet cats are so numerona that ciret musk forms au important article of exportation. Gold is also exported; hut it is not known if it is onllected in the country, or brought to it from mome diatant part of Africa. The capital of Esarya is Salka, wbich nppears to be a cousiderable place not far from the banks of the river Kibbe, and ls visited by caravans which come from Bnsso nad from Gondar in Abyssinia. These Abjesinian merchants bring to Snkkn rock-anlt, which under the unme of 'amole' constitutes the currency of tbe country, beals of different kinds, several kinds of cotton-goods, copper, daggers, kuives, guns, and kitcben utensiln. Tbey export from Hharya coffee, musk, slaves, gold, and the skins of lions, panthers, black leopards, and antelopes; also ivory and hores. The inhabitauts of Fanrya bolong to the widely. spread nation of the Gallas. A small portion of the population and the royal family aro Mohammedans; but the larger number of the inbabitants are still henthens. It is said that anong them a small zumber of Alyssinian Christians is found. (Isenberg and Krnpf, Trarels in Abyssinia; London Gcographical Journal, vol. x.)

ENDEAVOUR STRAIT. [Tormes Strait.]
ENFIELDD. [MDDLESPX.]
F:NGADIN, the valley of the Upper Inn, in the canton of the Grisons, in I:astern Switzerland, runs from south-west to north east, from tbe sources of the $\ln$ at the foot of Monnt Maloya to the defile of Finsterminz, where the Inn enters tho Tyrol, a length of $n^{\prime}$ out 50 miles. It is the largest valley in Switzerland ncxt to the Valain, and one of the fincst; it lies betivecn the Lepontian aud the Rhatian Alps, botb of which hranch off from Mount Malaya. The northern or Lepontian ridge, which contains the summits known by the names of Julier ( 6800 feet), Albula ( $\% 200$ feet), Scalcten ( 8000 fuet), \&c, divicles the waters of tho Inn from those of the Albula, the Lanquart, and the Iller, which flow into the Rhine. The sonthern range, in which there are sereral glaciers, consists of the Monte dell' Oro ( 8000 fcet), the Bernina ( 6200 fect), the Casaman, tho Irmelo, dec, and divides the ralley of the Inn from tho Valtelliun, and from the valley of the Upper Adige in the Tyrol. More than twenty transverse vallcys open into the longitudinal valley of Engadin. The width of the plain which forms the bottom of the valley of Engndin la from one to two miles in its wident parts, but it is much narrover in many places.

The alopes of tho monntains are covered with pine forests or pasturea. The Upper lingalin being moro clerated than the lower yart of the valley han a keener air ar f sharper winters; suow liardly dimppeara In Jnne; winter commenc 3 in September, and in tho short summer froutn at night are fregu' is Here potatoes sometimes nucceel; but the barlcy liarreat is uncertain. The Lower Fagadin cnjoys a milder climato: barley, rye, peas, potatoes, and hemp suceced; in tho lowest part of tho vallog flax is cultivated with succem. The cherry and other fruit-trees are also met with. But the ehlef wenlh of lingmin, and eapecially of the upper part of it, comints in Ita cattle; Ih cheene equan that of Cruydro, and is largely
oxported. Many of the mon emigrato to Italy and other forcien oxporter Many of tho mon ennlgrate to Italy and other forcign
countrien, whero thes follow tho trade of matre-cooks and confec. tioners. Some of them make monoy, with which they return liome and bulld fine housea, which aro conspicnous objecte in most of the villages. Dands of "Tyrolem apreal themelven over the valley to imake tbe hay harreala Manon, carponters, and amitlas aro montly forelgnerk Leather in lmported, while a quantity of raw hldes aro exported. Most of the pasturea on the high Alpmarelet to homlsmen from ilergauno, whomlgrato thlther with thefreatelo in the summermontho.

Tho villages of bongadis aro chletly along tho road which fullows the courne of the linn for the whole length of tho valley, and then leada into Tyrol by St, Martinsbrick, ancl joinn the high road cousing from Italy by tho Stilfner Joch to Innapruck. Nicw roads laneo been recently comploted from tho Val Canonica to Tirano in the Adla, and over the Jurnima to Sondrio in tho Valtellina. Several paths lead from Fincalin into the other valleys of the Grisons

Upper lingadin is divided isto 11 communes; Lower Eugadin ints 10. The wholo population is estimated at about 8000 , of which Lower lingadin contains 5000 . Upper lingadin returns three mom. bera and Lower IUugadin four to the Great Council, or legislaturo of tho canton. livery communs elects its municipal maglatrates, aud cach of tho two divisions of tho valley has its landamanan and its court of juatice, tho members of which aro renewed every two years,

The people of Engadin are IReformed Calvinlste, with the execption of the communo of Tarasp, which is Catholic, and which bolongel to Austria till 1801. They npenk tbe Ladin or Iomantsch, $\pi$ dinlect which bas much rencmblance to Italian. There are books printed in Lalin.

Schuols, or Schuls, in Lower Engadin, is the largest rillage in the whole valloy; it contains 1150 iuhabitants, and has a handsome parish church. Zernetz, promonncod and sometimes written Cermet;, nloo in Lower Engadin, has about 500 inhabitants Samaden, which is tho priacinal village of tho Upper Eugadin, has about 500 inhabitants, some fine houses, and three churches. [Gmisoss.]

ENGHIEN. [Ilaisault.]
ENGLAND. The general dencription of this part of the island will be found under the heal of Great Britais; and that of lionan Britain under the head of Bratasisua. Wo here give a short account of its state before the Norman Couquest.

Fingland, originally Engla-laud, lingle-land, and Engle-lond, meana the land of tho Anglea, Aengles, or Fingles. It is usual to sjeat of the peoplo who occnpied the soutb of Britain before tho Normans Conquest by tho ammes of the Saxons or the Anglo-Saxous; but cach of these appellations is apt to lead to some misapprehension. By the Anglo-Saxon peoplo and langunge seem commonly to be underatood the nation nud lagguage of the English Sasons, as distinguished from the Saxons of Germmy. In this senso however we belicve tbe word is altogether a modern formation. Our ancestors before tho Norman Conquest did not call themselves Anglo-Saxons, as ineaning the linglish Saxons or the Saxons of Bingland. Asser indced designates Alfred as Angul-Saxonum Rex; but the meaning intended to be conveyed by this awkward compound term appears to hare been, not tho English Saxons, but the Angles or Faglish and tho Saxons. When the Snxon part of the population alone was npoken of, they wero never callet the Anglo-Sazons or Finglish Saxons, but simply tbo Snxone, or, as the case might be, the West or East or South Sazons. It is truc that foreigners and others did not always use the term with proper discrimination. Tho Welsh and the Scots of North lbritain appear to have employed tho desiguation in its more general sense. The Sassenagh is still tho name giren to tho Kinglish by tho Scottish Highlanders, hy the Irinh, and by tho Wolsh; and ancicntly the southern part of the present Scotland, which was chicfly occupied by a population of Einglish descent, was known in tho nore northern parts by the name of Sasonia or Skzony. Tho prevalence again of the teran Saxou in unoderu times, as applied to thic cutire population of England before the Norman Conqucst, and to the langungo then spoken in the country, is to bo attributed principally to the approprintion of the term English to the inbabitants and the langunge of the country sinco tho Conquest, and also periaps in part to the circumatance of the stato which erentually obtained the gencral soverciguty in the timen previous to tho Conquest laving been a Saxon state. Rut the namo by which the catire population was commouly described in those times by natives of the conntry wrs certainly nut the Saxons, but the Aagles or the Eaglish; and that from tho carliest date to which our cvidence on the mubject catends. We find tbo Kentish kiug Vithelbert subscribing linnself to a chartor "Figo Ethelbertus, Rex Anglorum," in virtue apparently of lis dignity an Bretwalda, or mupremo mounreli, which ho leld from about the year 589 till his denth in 616 . The kings of Wcssox, after they acquired the sorercignty of the whole country, although their own stato was Saxon, caller themnolves, not kings of tho Saxons, but kings of the Anglen and of lingland. From circumstancen liko these we may reasonably concludo that the country was called Englaud, and the pcojlo and thoir languago English, from the time of tho introduction of Christianity.
To the circumslances of that introduction we would trace this uso of tho names. The captives from Britain exposed for alle in tho market-place of IRome, who first drew upon their country the attention of Uregory, afterwaris pope, werc Angles, ns tho welliknown pun, "They would bo not Angles, but angels, if they were hut Christinus," which tho namo of their nation and tbeir fair appearanco suggested to Gregory, may remlad us. It was tbo Angles thercfore that Gregory formed the denire of converting ; and it wan to the inhabitants of Britain considered as Angles that Angustino aud his companions were some jears afterwardn nent as missionarion These circunatances werc cuough to fix the name as tho proper Chrintian appellation of tho natlon. Tho constant uso of thls sppellation by tho vezerable Bedo in his great work, "llistoria Eicclesiastica Gcutis Anglorum," may bo
raasonably supposed to have had much effect iu establishiug its acceptatiou in the sense in which it is there euployed. Iu this way the terms England aud English came iuto uuiversal use as the proper names of the country, the people, and the lauguage, just as they are at this day.

According to the statemeut of Bede, which, repeated in the Saxon Chronicle, is the only distinct account we possess of the invaders from the Contiuent who cffected the conquest of South Britain in the 5 th and 6th centuries, they consisted principally of three nations or tribes, the Jutes, the Saxous, and the Angles. ('Hist. Eccles.,' i. 15.) In another place howerer ( $v .10$ ) he mentions Frisians as being mixed with these; and there arc other ancient testimonies to the same effect, especially a remarkable passage in Procopius ('Bell. Goth.' iv. 20), where, in his nccount of the island under the name of Brittia, he describes it as iuhabited by three nations, the Angles, the Frisoues, and those of the same name with the island, the Britons, each of which nations had a king. Sir Francis Palgrave ('Rise and Prog. of the English Com.;' pp. 41, 42) considers the name Frisians in this passage to include both the Jutes and the Angles, as well as the Frisians proper, all these nppareutly being alike Belgic tribes. "By the Frisians," he adds, "Hengist is dcemed to be a Frisian king; and the lcgend of Rowena, or, as they term her, Rouix, is incorporated in their history. A better proof of affinity is to be found in the resemblance of the Frisic and Anglo-Saxon languages, which in many instsnces amounts to an sbsolute identity. But the most conclusive argument of the unity of the nations is deduced from the judgrnents dictated by Wulemar, and incorporated in their respective laws of the Frisians and Angles, showing thereby that they obeycd the dictates of a common legislator." It is to bc recollected that anciently the Frisians appear to have been spread in dctached settlements along the whole line of the coast from the Sehelde to the North Sea Down to the 8th century, what was called the Greater Friesland (or Frisia Major), then forming psrt of the empire of Charlemagnc, extended all the way from the Schelue to the Weser. But the Frisiaus who passed over into Britain with the Saxons, Angles, and Jutes, were most probably the Straudfrisii, or iuhalitants of the small district called the Lesser Friesland (Frisia Minor), lying opposite to the Isle of Northstrand, on the western coast of Schleswig.

According to the statements of the earliest chroniclers, the first of the Germanic invaders that arrived after the departure of the Romans were a body of Jutes, under two leaders named Hengist and IIorsa They arrived A.D. 443 at Ebbsfleet, now an inland spot, but then on the coast of the Isle of Thanet, and near the mouth of the Wansum, now a mere rirulet, which divides Thanet from the rest of Kent. The Jutes who came to Britain with Hengist and Horsa appear to have come immediately from what was formerly called South Jutland, aud is now the duchy of Schlcswig. They were probably therefore, in part at least, from the district called the Lesser Friesland, which, is already mentiuned, was situated on the coast of South Jutland. The Jutes, according to Bede, wero the ancestors of the people of Kent, and also of the inhabitants of the Islc of Wight, and of the part of the coast of Hampshire opposite to it : that is to say, the Juter settled in thoso parts, mixing most probably with the former inhabitants.
The Jutes under Hengist and Horsa wero followed iu A.D. 477 by a body of Saxons under Ella, who made their descent on the coast of Sussex. The next leader that arrived was Cerdic, with another colony of Sazous, in A.D. 495. At this period the namo, in its most comprehensive acceptation, appears to have been used as that, not of onc nation, but of a great confederacy of nations, the territories occupied by which extended from the Baltic far iuto the interior of Germany. We aro inclined however to derive the Saxou invaders of Britain from the immediate vicinity of the Baltic, most probably from the country now forming the duchy of Holstein, with perhaps part of the north of Hanover or tho west of Mecklenburg. Thus situated, they would be the next neighbours of the Jutes and the Angles. In the account of Germany which Alfred has inserted iu his translation of the 'Geography of Orosius,' the 'Eild Scaxan' are described as lying to the north of the Thyringas (or Thuringians); to the southeast of the Frisians (this must mean the Strandfrisians) ; to the east of the mouth of the Aclfe (tho Elba) and Frysland; and to the southeast of Angle and Sillende (Zealand), and part of Dena (Denmark). Dede expressly brings the English Saxons from "the land now called the country of the old Saxons." They appear to have eventually occupied Snssex, Essex, Middlesex, the south part of Hertford, Surrey, Hampshire (with the exception of the coast opposite to the Isle of Wight), Berks, Wilts, Dorset, Somerset, Devon, and part of Corawall.

It was not till the year 527 that the first Angles arrived. From that time they made a successiou of descents under various petty chiefs, Fhose names have not been preserved, upon the coasts of Suffolk and Norfolk. In 547 however a much more numerous body of them than had yet appeared landed under the conduct of Ida on the coast between the Tweed and the Forth, and eventually established themselves in the country to the north of the Humber. Tacitus, who in his 'Clermany' has mentioned neither the Saxons nor the Jutes, merely notices the Angli along with scveral other tribes as lying beyond the Longobsrdi, and surrounded by the natural protection of their rivers and woods. As far however as anything can be made of his vague
account, he appears to place them somewhere in the peninsula of Jutland. This is the situation which is assigned to them by Bedo and other ancient English writers. "From the Angles," says Bede, "that is to say, from the country called Angha, and which from that time till uow is said to have remaiued waste, between the proviuces of the Jutes and the old Saxons, descended the East Angles, the Mercians, the race of the Northumbrians, and all the rest of the nations of England." Alfred, in his 'Orosius,' also places the Augles in the Danish countries ou the Baltic. And Ethelwerd, a writer of the 11th century, describes Old Auglia as situsted between the Saxons sud the Jutes, aud as haviug the city of Schleswig for its capital. The Angles obtained possession of the whole of what is now called England, witl the exception of the parta alrendy mentioned as occupied by the Jutes and Sazous; in other words, of all Eugland to the north of the Bristol Avon aud the Thanes, except the preseut couuties of Essex, Middlesex, and part of Hertford. They also extended their settlemeuts over a great part of the south of Scotlaud.

This is the generally-received accouut; but it is only right to state that there are grave difficulties iu the way of its strict acceptatiou, at least as to the dstes. Mr. Kemble ('Saxons iu Englaud,' chap. i.) has shown the probability "that a large admixture of Gcrman tribes was found iu Eugland long previous to the middle of the 5tliceutury;" and that "bodies, more or less numerous, of const-Germans, perhips actually of Saxous aud Angles, had colonised the eastern shores of Eugland long before the time gencrally assumed for their adveut." He even goes so far as to say-and his opinion must be allowed great weight-"I confess that the mora I examine this question, the moro completely $I$ am convinced that the received accounts of our migrations, our subsequent fortuncs, and ultimate settlement, are devoid of historical truth in every detail."
Be that as it may, it will be conveuient to have in a summary form the received view of the kingdoms founded by tho several invadiug bands; tho dates are those assigned in the valuable summarics of Anglo-Sazon history, given by Sir F. Palgrave in his Appendix of 'Proofs aud Illustrations' to his 'Rise aud Progress of the Euglish Commouwealth,' pp. cexxix-ccexl.

1. Kent, consisting of the present county of that uame, fouuded by Hengist and Horsn, whose followers were Jutcs, A.D. 457. From Nec or Liric, the son and successor of Hengist, the kings of Kent aequired the name of Esciugas. Keut subsisted as an independent state till its couqnest by Conwulf, king of Mercia, in 796. Iu 823 it was finally snnexed to Wessex by Egbert; but for at least a century after that date it is still meutioned as a separate though subordinate kiugdom. 2. Sussex, consisting of tho present county of that uame, founded by Ella, whose followers were Saxous, A.D. 491 . Iu A.D. 686 it was couquered by Ceadwalla, ling of Wessex, and appcars to have remained ever after in subjection either to that state or to Mcrcia. Iu 828 it finally submitted to Ligbert; and "from this period," says Sir F. 1"algrave, "Sussex and Surrey appenr to have beeu considered as integral portions of the empire of Wessex, but as annexed to the kingdom of Keut and passing with it""
2. Wessex, including (in its greatest cxtent) Surrey, Hants with the Isle of Wight, Berks, Wilts, Dorset, Somerset, Devou, and part of Cornwall, fouuded by Cerdic and his son Cyuric, whose followers were Saxons, A.D. 519. •The Jutes of the Isle of Wight were couquered by Cerdic and Cynric, A.D. 530 ; but in 661 the island was wrested from Wessex by Wulfere, king of Mercia; some time after which it appears to have asserted its iudepeudcuce, which it maintained under kiugs of its own till the beginuing of the 10th ceutury, wheu it submitted to Edward the Elder. In the reign of Egbert (A.D. 800-836) the kingdom of Wessex attained a supremacy over the other states, which it never lost afterwards.
3. Essex, including tho preseut countics of Esscx and Middlesex, and the southern part of Hertfordshire, supposed to have beeu fouuded by Ascwin, or Ercenwine, whose followers were Saxons, A.D. 527. "It is doubtful," says Sir F. Palgrave, "whether this monarchy ever cnjoyed independence." It certainly became subject to Mercia iu the course of the 7 th ccutury, aud in 823 it finally submitted to Egbert of Wessex.
4. Northumbria, consisting of the sometimes separate but commonly united states of Bernicia aud Deira; the former (from the native name Bryneich) inclucling the county of Northumberlaud, and the south-eastern counties of Scotland as far as the Forth, fouuded by Ida, whose followers were Angles, A.D. 547 ; the latter (from the uative name Deifyr) including the counties of Cumberland, Durham, Westnoreland, York, and Lancester, founded by Ella, whose followers were also Angles, A.D. 560. Thesc two statcs appenr to have coale ced beforc the beginning of the 7 th century; and alter the year 655 they were never separated, so long as they retained their indepeudence. Tho limits of the kingdom of Northumbria to the north varied greatly from time to time, according to the fortunes of the almost coustant warfure which it carried on with the Scots, the Picts, and the kingdon of Strathclyde. The Northumbrians made a formal submission to Eguert of Wessex in 829. In 867 the country was conquered by the Danes; and from this time it may be considered to have remained independent under the princes of Danish race till 924, when both the Daues and English inhabitants acknowledged the supremacy of Edward the Eldcr. Northumbria however continued to be governed by princes
of ite own, who, athough nomivally subject to the linglieh monarch, took the title of kingn till 252 After this its rulers wore only slesig. nated earls; the district forning sometimes one carllom, mometines two, under the names of Berniela and Deirn, or Northumbria and lork. It was not till some timo after the Norman Conquest that the tesritories which had formed this Saxon state carno to be considered as strictly included within tho ralmo of England.
5. Fant Anglia, includine Norfolk, Suffolk, Cambridge, and part of Thedfoninhire, founded by Cif, whore followers wero Angles, and from whom the liugs of this state took the name of Uffingas, A.D. 571. The Fast Augles placed themselves under the sovereignty of Figbert of Weases about the year $\$ 23$, but they coutinued for some time after this ander the immedinto government of their own kings. The conntry was conquered by the Danes in $\delta S 3$; and it was not cormpletely brought back under subjection to the Finglish crown till after the accesion of Athelstane in $\mathbf{2 2 5}$. From this timo it appears to have leen governed by ealdermen, or dukes.
6. Mercin including the counties of Chester, Derby, Nottinglinn, Lincoln, Shropshire, Stafford, Leiccster, Rutland, Nortbampton, Huutingdoy, Hereford, Worcester, Winrwick, Gloucester, Oxford, Buckinghnm, nud part of Hertford and Bedford, said to have been founded by Crida, whose followers were Angles, A.D. $5 \$ 5$. About the middle of the "th century Mercia was conquered by Oswio, kiug of Northumbria; but after $n$ few yeara it recovered its independence; aud before the end of the next century it had reduced to subjection both the neighbouring states of Eiast Anglia and Kent. It was eventually subjigated however about the year $\$ 25$, by Egbert of Wesser, and although for some time considered as a separatc lingdom, it continued ever after dependent upon that stato, with the exception of a short period in the latter part of that century, during which it was overrun and taken possession of by the Dancs.
This assemblage of states has been commonly called the Heptarchy, for which Mr. Turner has proposel to subntitute the Octarchy, ou the ground thet Deira and Pernicia ought to be considered as two distiuct Kingdoms. But in truth it mny be doubted if there ever wns a tine when so many as seren of the states co-existed separately and independently: Various small districts also appear to bave for longer or ehorter periods preserved an all but nominal independence in the midst of the langer states, to some onc or other of which they were everally considered an annexed. Such were the Isle of Wight; the Suthrige, or Southern Kingdom, now Surrey; the district of Hwiccas, or Magesettam, which was conterminous with the ancient bishopric of Worcester; and othora, of which the annals were for the first time collected by Sir Francis Palgrare. But above all it would be difieult to show that either term is perfectly admissible, if it bo intended to imply (as in strict propricty both heptarchy and octarchy would seem to do) that the several states were all connected together into any sort of union or confederacy; that they formed in fact any political nystem entitled to be designated by one word at all. We know that they wero constantly at war witb one another, and of the existeuce of any general controlling authority, except such ns one king wne occaionally eusbled to maintain over the rest by his sword, their history affords no trace. To certain of the kings however by whom thi- temporury supremscy appears to have been asscrted in the mont marked manner, Bede, aud nfter him, the Sason Chronicle, have attributed the title of Bretwalda, that in, as it has been interpreted, Wielder, or Emperor of Britsin; and it is probable that a species of superior honour and diguity, such as this titlo would imply, may have been claimed by the princes in queation, and necorded to them by those of their neighbours whom they bad brought under subjection, or who, although uusubdued, preferred not to proroke their enmity. Upon the wbole, the title of Bretwalda cannot well be regarded as any thing moro than an ostentatious and empty assumption on tho part of some of the Saxon kinge, or an epithet of distinction bestowed upon them by the fattery of the chrouiclers. It certainly carried with it uo real or iegal suthority.

ENGLISH CIIANNEL, called by the French La Manche, is that narrow nea which separates the southern shores of England from the northern shores of France. On the west it opens iuto the Atlantic Ocean by a wide mouth, betweon the Land's End and the Frcuch fuland of Uslant (Ouisennt), where it is about 100 Fnglish miles acrowe. On the east it is united to the North Sea by the Strait of Dover (Pas de Calais of the Fronch.) West of the Strait of Dover the Chmanel rapidly increages in width; and between Brighton and Havre is more than 90 miles acrose Farther west however it is rarrowed by the peninmula of Colentin, which projects from tho Firench conet into the Clannel, and terminatea in Cape de la Hoguo, ite most north-weetern point West of the peninsula is the widest part of the Channel, which between St. Albsu's Ilead in Dorsetshiro and the harbour of St Malo in nearly 140 miles across. The remainder of the Channel to its jnnction with tho Atlantic is between 100 and 110 niles wide.

It appears certain that a current from the west is generally, if not conmantly, running up the Channel. This in evident from the castern tiden being stronger than the western or cbb tides, and their running longer in stormy wenther from the weat. It is almo obaerved, thet at the mame time the murface of the Channel is raleod two feet or more above that of the Niorth Sen, and consequently dischargel a great
quantity of water into that sem. Tho ports of the Channel are some fect decper in strong weaterly winds than at onlinury times. Tho French porta along the Channel aro shallow, and nono of them aro deep uluough to admit men-of-war, while Einglund ins some of its finent harbours on the conn-line of the clauucl. The Freuch gorernment lins for a scries of years made efferts to deepen the harbour of Cherbourg on the Frenelh enast of the Channel. [Cufmbounc.] The Channel is well stocked with fixh, which given conatant ocourntion to a considerable uumber of fiahermon on the coasts of Einglaud and France.

FNGLISH HARBOUR. [ANTIOUA.]
FNNIS, county of Clare, Irolaud, $n$ suarket and saaizo town, a municipal and parliamentary borough, and the seat of a Poor-Law Cnion, in the parish of Dromeliffe, is situated on the river Fergua, in $52^{\circ} 50^{\prime} \mathrm{N}$. lat., $S^{\circ} 5 S^{\prime} \mathrm{W}$. long; distant 115 miles S . $\mathrm{V}^{\circ}$. by S. from Dublin. The population in 1851 was 7840 , besilles 4865 in the Union workhouse and other public institutiones. Finuin is governcyl by 21 town commissioners, and returns one member to the Imperial Parlianent. Eunis Poor-Law Uniou comprises 20 electoral divisiou, with an arca of 112,490 acres, and a populatiou iu 1851 of 10,345 .

The name of the place was originally Enuis Ciuanruadha, so calleal from Clouroad, a favourite dwelling placo bere of the U'Brieus, lords of Thomond. In 1240 Donogh Carbrac O'Bricn built a mouastery at Ennis for Franciscan friars, of which the ruiun are still standin\%. The town contains some good housen, but has altogether a mews appearance. Besides the parish church the town contains chapels for Roman Catholics, Indepeudents, and Wealeynn Methoclists; tho courthouse, the couuty jail, the infirmary, two hospitals, a workhouse, a market-housc, and a town-hall. A short distance from the town is Ennis College, onc of the four classical sehools founded by Erammas Smith. There is a modernto trade in graiu nud cattle. There aro a browery, large flour-mills, aud a valuable liunestouo quarry: Jinuin was incorporated by charter of James I. Fairs sro helel in April and September. In tbe vicinity of the town are several good mannions
(Frnser, Mandbook of Ireland: Thom, Irish Almanac.)
ENNISCORTHY, county of Wexford, Ireland, a market and corporato town, and tho sent of a Poor-Law Union, ehiefly in thy parish of St. Mary's of Enniscorthy, and partly in the parish of Templeshannon, is situated iu $52^{\circ} 35^{\circ} \mathrm{N}$. lat., $6^{\circ} 95^{\circ} \mathrm{W}$. loug. ; distant 13 miles S.S.E. from Wexford, and 65 miles S.S.W. from Dublin. The population in 1851 was 5993, besides 1735 inmatcs of public institutions, The town is governod by 21 commiseiouers, Enuiscorthy Poor-Law Uuion compriaes 33 electoral divisjons, with an area of 190,689 acres, and a population in 1851 of 53,562 .

Euniscortlyy dates from the ercetion of a castle liero by Raymond le Gros, one of the early Anglo-Norman conquerors. Cerald de Prendergast, another Auglo-Norman uoblo, founded a monastery liers for Augustivian friars about 1230 ; and Donnell Cavaungh, an Irish potentate, founded a Franciscan couvent for frinars of tbe strict obscrvance iu 1400. Some ruius of both cdifices still remain. The caatle is in good prescrvation. It cousists of a Equare keep flauked by round towers, and stands at the west eud of the bridge, on the bauk of the Slaney. Enniscortby was taken by Cromwell in 1619. It was stormed and burned by the Irish rebels in 1798.

Tho town is aitunted on rising ground on both banks of the river Slaney, which is bere navigable for sloops The bridge which crosses the Slancy and conncets the two parts of the town is n neat atome structure of three arches. Besides the ehurch, which is a plain building, the town contains a Roman Catholic aud a Methodist chapel, a Quakers' suecting-lıouse, a court-house, market-house, workhouse, and hospital ; also a presentation couveut. Emniscorthy pros sesses a good retail trade; and nearly all the corn of the couuty of Wexford pases through' its market. Coal, timber, iron, limestone, \&e., aro brought up by the Slaney from Wexford. 'Two quays, which fncilitate the trade, were coustructed chicfly at tbe expenso of the Farl of lortsmouth. A factory for flannel, fricze, and blankets, nurl a large browery and distillery afford exuployment A unarket is hold three times a week; and a fair crery mouth. Fuuiscorthy wns incorporated by charter of the 11th James I. The valley througis which the Slaney flows is exceedingly rich and fertilo and the scenery on its banks botls above and below the town of kiuniscortly is very beautiful. In tho riciuity of the town aro several plemanat villas and manniona
(Fraser, Ilandbook of Ircland; Thom, Irish Almanac.)
FNNISKILLFLN, county of Ferunamgh, Ireland, chiefly in tho parish of Thniskillen, but partly in the pariah of Rosaory; a markettowu, the capital of tho couuty, a muncipal and parliamentary berough, and the seat of a Poor-law Union, is situated in $54^{\circ} 22^{\prime \prime} \mathrm{N}^{\circ}$. lath, $7^{\circ} 38^{\circ}$ W. long., rlistant 81 miles $\$$.W. from Dublin. The population in 1851 was 5792 , besides 869 inmates of public institutions. The town is gorerned by 21 town comminsjouers, and returns one member to tho Imperial I'nrlinment. Enuiskillen Poor-Law Union comprises 42 electoral divisions, with an area of 203,610 acres, and a population in 1551 of 53,543 .

Enniakillen is well built and beautifully situated. The principnl pert of the town is built on an island on Lough Frne, and two bridges connect the islaud, which is covered to the water's edge with the
buildings of the town and its defences, with the suburbs on each side. The extended boundary of the borough includes the island and the two suburbs which are situated north-east and south-west of the island, in the parishes of Enniskillen and Rossory respectively. The country around swells into highly cultivated eminences; and numerous mansions occupy the shores of the lake above and below the town. From its position, commanding the only pass into Ulster within a distance of 50 Irish miles, Enniskillen is a place of considerable military importance.
The town contains a handsome church, chapels for Roman Catholies, Presbyterians, and Wesleyan Methodista, infantry and artillery barracks, a new market-house, a jail, court-house, and hospital. A small fort is situated at ench end of the town ; and the royal school, founded by Charles I., which occupies a conspicuons place, is one of the most richly endowed in Ireland. The mapufacture of linen, a small factory for cutlery, two distilleries, a brewery, and a tannery, afford employment. Many of the females are employed in strawplaiting. Timber, coal, and other commodities, are imported by barges from Belleek, at the western end of Lough Erne. A brisk retail trade is carried on. Fairs are held in May, August, and November.

Enniskillen was altogether the work of the Protestant scttlers iutroduced into Ulster by the now patentees. [Fermanagir.] It was erected into a corporation in 1612; but had increased so far as to cover the greater part of the island in 1641, when, through the exertions of Sir William Cole, it proved a most important asylum for the Protestants on that border of Ulster. Throughout the war of the levolution the local levies of Enniskillen and its neighbourhood did excellent service to the cause of the Prince of Orange; their exploits have been recorded in Hamilton's 'Actions of the Enniskilleners.'
(Fraser, Mandbook of Ircland; Thom, Ivish Almanac.)
ENNISTYMON, county Clare, Ireland, in the parish of Kilmanaheen, a small market-town, and the seat of a Poor-Law Union, is situated in $52^{\circ} 55^{\prime}$ N. lat., $9^{\circ} 20^{\prime} \mathrm{W}$. long., distant 12 miles W. by N. from Ennis, and 104 miles W.S.W. from Dublin. The population of the town in 1851 was 1729 , exclusive of 1070 inmates of the workhouse and 12 in the bridewell. Ennistymon Poor-Law Union comprises 20 electoral divisiona, with an area of 99,281 acres, and a population in 1851 of 31,612 . This little town is delightfully situated on the river Ennistymon, and surrounded by a low range of picturesque hills. The river falling over some ledges of rock forms a rapid of great besuty. The town, which has very little trade, contains a church, a IRoman Catholic chapel, the district bridewcll, and a Union workhouse. In the vicinity are the ruins of Glen Castle, which formerly belonged to the O'Briena; there are also several large and handsome mansions. Six fairs are held in the course of the year.
ENOS. [AnRLANOPLE.]
ENS, the Provincea of the, constitute the archduchy of Austria, which, with Styria, Carinthia, Carniola, Görz, Trieste, part of Istria, the Tyrol, and Voralberg, form what are denominated the hereditary dominiona of the houso of Austria. The arehduchy is divided into the two provinces of the Lower and Upper Ens, commonly called Lower and Upper Austria, and has (exclusive of the duchy of Salzburg, which until 1849 was included in the archduchy) an area of about 12,298 English square miles, and 2,244,363 inhabitants. Lower Austria is the most ancient possession of the house of Austria, and was acquired by conquest from the Avari in the year 796. Charlemagne, who subjected it, formed it into a margraviate; it became a Bavarian fief, and so continued until Count Leopold of Babenberg was recognised as its independent possessor in 944 . It continued in the possession of the princes of Babenberg, who added Upper Austria to it and raised the whole into a duchy, until Ottokar, king of Bohemia, expelled them in the middle of the 13 th century. In 1276 however Rudolph of Hapsburgh wrested the duchy out of his hands, and his descendants havo remained in possession of it to the present day. They assumed the title of archdukes in 1359, but were not recognised as such until the year 1453 .
The province of the Lower Ens, or Lower Austria, lies nearly in the centre of the Austrian dominiona, on both sides of the Danube, between $47^{\circ} 26^{\prime}$ and $49^{\circ} 1^{\prime} \mathrm{N}$. lat., $14^{\circ} 26^{\prime}$ and $17^{\circ} 1^{\prime} \mathrm{E}$. long. It is the eastern portion of the archduchy, and it is bounded N. by Bohemia and Moravia, E. by Hungary, S. by Styria, and W. by Upper Austria, The area is 7674 square miles; the population in 1850 was $1,538,047$.
Surface-The Lower Ens is walled in both on the north and south by ranges of mountains. A branch of the Noric Alps, of limestone formation, not only occupies its southern districts, but spreads its branchea over the whole country south of the Danube, with the exception of the most eastern parts. Its most elevated points are the Schneeberg, in the south-west of the Lower Wienerwald, which has two peaks, the Alpengipfel (Alpine peak), 7383 feet, and the Grosser Riese (Great Giant), 7331 feet high. A scries of wooded heights, denominated the Wicner Wald (Vienna Forest), separates the Upper from the Lower Circles of the Wicnerwald, and runs from south-west to northeast. On the left bank of the Danube, and throughout the western and nearly the whole of the eastern districts of the northerly portion of the Lower Ens, the Bohemian and Moravian chains of the great Sudetsch range [A USTRLA, vol i. col.715] extend their last offscts
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in all directions until they subside in the valley of the Danube. A succession of these heights, called the Mannhart group, running from north to south, divides the Upper from the Lower Mannhart circles, and gives their name to them. The most elevated point in this quarter is the Yauerling, close to that river, in the south of the Upper Mannhartsberg circle, which is 3330 feet high. Iu the northern and eastern parts of the Lower Manuhartsberg circle the ranges of hills are of inferior height. The Cetian Mountains on the right bauk of the Danube are connnected with the Noric Alps. Many of these chains are densely wooded; others are entirely naked. The most extensive forests are the Wiener (Vienna), Ernstbrunn, Hochleiten, and Mannhart ; the line of the first of these divides the Lower from the Upper Wienerwald circle. It is estimated that tho area occupied by the mountains of the Lower Ens is at lcast one-third of its whole surface; they are furrowed by uumberless valleys, which give the province a beautifully varied and picturesque appearance.

The mines of the Lower Ens are not of any great importance. The Annaberg no longer yields silver. There are iron-mines at Reichenau, Pitten, Schottwien, Erdwuis, Weitra, aud other spots, but the quantity raisod is but iucousiderable. There are numerous quarries of marble, freestone, \&c., particularly in the south; gypsum and calcareous rocks, from which much lime is made, are abundant; mill-stones, granite, slate, alum, potter's clay, quartz for making glass and china, and porphyry are among the other mineral products. Coals are raised in the south and in some other parts.

Mydrography and Communications.-The fine valley of the Danube spreads out on both banks of the river in a continuous level from Korneuburg as far as Krems, and the greater part of the streams which water the Lower Ens discharge themselves into that river. The Danube itself traverses the province from west to east for about 156 miles, entering it a little to the north-east of Neustädtel, and quittiug it between Hainburg and Theben, wbich latter town is within the Hungarian borders. Bctween these towns it has a fall of moro than 510 feet ( 450 Vienna feet), and its current is accordingly so rapid that it flows beneath St. Sophia's bridge, in Vienna, at the rate of nine feet per second. Its breadth across the island of Lobau, close to Vienna, is 3050 Vieuna fathoms ( 18,986 English feet) : but in some parts, particularly below Marbach and at Thalern below Krems, its channel is so narrowed by tho high lands that it rushes forward with a violence which in former times rendered the navigation extremely perilous. The tributaries of the Danube, so far as the Lower Ens is concerned, are of no great length or volume of water. On the right bank are the Ens, Ips, Erlaf, Billach, Trascn or Traisen, Schwechat, Great Fischa, and Leitha, all of which flow from the Alpiue Mountains in the southerly districts of the Lower Eus, and are remarkable for the green colour of their waters; tho Great Fischa has also the peculiar characteristics of seldom varying in the body of its water and never freezing. The Danube on its left bank receives the Krems, which irrigates the south of the Upper Mannhartsberg circle, flowing through the beautiful valley of the Frems, anciently called the 'Vallis Aurea,' or Golden Valley, and falling into the Danube at Krems ; tho March, which next to the Danube is the largest river in the Lower Ens, and which, entering the province from Moravia, forms its boundary on tho side of Hungary for about 48 miles, and is navigable to its mouth, where its breadth is about 1420 feet; and tho Kamp. [Austria, vol. i. col. 719.] The only streams which are not tributary to the Danube are some rivulets which, like the Salza and the Mürz, flow down from the Alpine heights in the south of tho province and join the Mïrz; and the Lainsitz in the north-west, whe:e it takes the namo of the Braunau at Gmünd and of the Schwarzbach at Schwarzbach, under which designation it ultimately falls into the Moldau, a tributary of tho Elbe.

Independently of the Donau Canal (Canal of the Danube), near Vienna, which is merely an enlarged arm of the Danube, the only canal in the Lower Ens is the Vienna or Neustadt Canal, which opens out from the preceding and terminates at Wiener-Neustadt, about 34 miles S . from the capital.
There are some large natural sheets of water, but none deserving of the name of lakes; the largest is the Erlaf, or Zeller-see, which is about 4998 feet long, 1890 broad, and from 620 to 630 feet decp. Near the Mitter-see there is a beautiful waterfall 200 feet high, and close to it is a spot called the Brillender Stier (Roaring Bull), where the roar of a subterranean cascade is heard.

The mineral waters of Baden, 19 miles S.IV. from Vienna, aro in considerable repute; those of Medling, Deutschalteuburg, Heiligenstall, and Döbling are also used.

The railways in Lower Austria are-a portion of the Northern States; the Vienna and Glognitz; a portion of tho Vienna and Presburg; and the Vienna and Stockerau; all of which are noticed under AUSTRIA, col. 723.

Climate, Soil, Productions.-The varied character of the surface occasions considerable difference of climatc. The mountainous nature of the north-western and southern parts of the province lenders the temperature colder than it is in the lowlands about the Danube aud in tho eastern districts. The average annual temperature in Vienna is about $51^{\circ}$ Fahr. : the summer heat ia between $77^{\circ}$ and $83^{\circ}$, and tho maximum heat does not excced $97^{\circ}$; the winter cold varies between $10^{\circ}$ and $12^{\circ}$ bclow the frceziug point, aud has never been greater
than $82^{3}$. The weather is very variable, and on tho lofty eutamit of the schneeberg it changes, accorling to Blumenbach, lmost overy hour. About Amaberg, in the south of the lower IVlenerwald, the conntry in so desolate that it goes hy the name of the Siberia of Austris.

The soil of the Lower Ens differs much In productivoness The richest tracta aro in the ceutro of the province, from the couluence of the lins eastwand as far an the l'ulnafeld on the riglit bank of the Danube; and ou the left lank, from Krems they extend uutil thoy apread over the mouth-eastern parts of the Upper Mannhartaberg to the eflux of the Xarelı into the Danube. The lands about the loower March indeed, which are called the Marchfield, aro a delta, which under efficient cultivation mlght becomo the granary of the Austrian metropolis Thero is an extensive level also in the vicinity of Vlenna which in parts is extromely fertile. On the whole, the Lower Ens does not rank among the inore productive provinces of the empire. It is a manufacturing rather than an agriculturnl province.
Tho productive land in tho Lower Ens was thus occupiod in 1846 - Arable, 1,994,17s (English) aeres; vineyaris, 114,178 aeres; mondows and gardens, 637,881 acres; pasture, 358,044 acres; woodland, $1,595,696$ acres. The grain grown iu the same year was, iu English quarters, as follows:-Whent, 261,619; rye, 1,144,228; barley, 231,944 ; oats, $1,157,756$; maize, 6932 : also $2,904,323$ bnshels of potatoos. Vegetables of most kinds aro very largely cultivated. A good deal of fruit is also grown. Some hemp and flax are mised. The forest-trees aro chielly beech, oak, maple, linden, elm, alder, pine, and fir.

The rearing of horned cattle has not get recovered from the blow Which it received during the repeated invasions of the French armien. The total quantity in the Lower Ens in 1846 was 109,091 oxcu and steers, and 251,634 cows. A portion of the stock is of a verysuperior native lreed. Although the establishments for breeding horses belonging to the crown and seceral nohlemen have done something towards improving the race, this branch of economy is not pursued with mnch activity; the stock in 1846 was 70,361 . Independently of several extensive sheop-ralks in many of the upland districts, every pessant feeds his little flock of from 10 to 30 sheep. Upwards of ono balf of the whole stock, which was 500,705 in 1840 , are of hreeds improved hy crossing with merinoes and other foreign races. The hrgest flocks are thoss on the imperial estates. Much of the mool obtained is exported. Goats aud swine are not bred in great numbers. Foultry is fed on a large ecale for the Vienna market. Some honey and war aro made. The atock of game is nuch diminished.
The Lower Ens ranks next to Bohemin in a maunfacturing point of view; and the principal seats of iudustry are the districts south of the Danube, the northern being chiefly agrieulturnl. Flax and hemp yarns are spun wherever the materials are grown, and several thousand hands are employed chiofly in the unanfacturo of housolinens. Cotton is also spun somewhat largely, $881 \%$ persons being employed in cotton-spinuing in 1843, of whom 1425 were under 14 years of age Cotions of the finer sorts are manufactured rather extensively at Vienun Largo calico-pinting works are carried on at Neunkirelen, Friedau, St. Pölten, Kettenhof, \&c. Cottonembroidery, stockinge, \&c., are made at Vienma and elsewhere. There are somo large woollen-fuctoriea in Vicuma, at llittersdorf, \&c. The silk manufacturo has risen to great perfection in the capital, and it is a rery important branch of the manufacturing industry in other parts of the province. Iron and steel in bars and shcets of remarknbly fine quality aro produced in very large quantities. Iron and steel wire is also largely made. Lacea, iron-ware, and cutlery; tools, copper-ware, brasswork, buttons, jowellery, and trinkets; article of wood, leather, glak, mirror, porcelain, carthen-ware, paper, musical iustruments, soap, kc., form to many additional branches of industry. Besides the great printing estahlishment of tho government at Vicuna, there are other printing works on an important scale. A good deal of very excellent wive is male.

Tho Lower Fins han a considerahle trado with the neighbouring coutrice and foreign parts by means of its commutications by land with the Adriatic, Germany, Poland, \&c., and hy the Dauube with Ilungury, Turkey, and the Eiest.
Dirisions, Tourn, de.-The Lower Ens is divided into four cirelesthe Upper and the Lower Wiencrwald, south of the Danube, the fonner having 8t. l'ulten and the latter Traiskirehon for its capital ; and the Upper and Lower Mannhartaberg, north of the Dnaube, the former liaving Krems and the latter Korneuburg for its capital. The capitanate of Vienna forms a fifth division. The following aro the tuoro important towns:
formenlurp, the capital of Lower Mannlantaberg, on the left bank of the Inaube, 8 milos N . l.y W. from Vienna, in a place of little trale, with a populatlon of about 2500 .

Firems, tho capital of Upper Mlaunhartnberg, population 658\%, is aitusted at the confluence of the lirmas whlh the Inanube, 88 miles W.N.W. from V'iennas The town in walled, has large infatry barracke and military achoola, and wears a very military mppearance. Thero are mome chenical works, inutard aud viuegar factories, and manufactories of metal buttoum.

St. Polfen, tho capital of tho Upper Wienerwald, is a fortified town, viandirg on the left bask of the Trame, 38 mile W. from Vienns:
population about 6000. In it aro a eathedral aud bishop's palseo, aerernl echools, an hompital, and a thentro; also mome cothon factories, potteries, glay-works, aud paper-mill..

Traidirchen, the capital of the Lower Wienorwald, In a rmall place of little more than 1000 inhmbitauts, aituated about 15 miles S. by W. from Vienaa.

Baden, on the Glognitz railway, 20 milen S.S.W. from Vienna, population about 4000, in a muchefroquentoul bathing placo, and well provided with suitable establinhmeuta for risitors, In Badon is an imperial cantlo, aud in its riciuity is the cantlo of Weilburg. Bruck; on the left bask of the Leitha, 23 miles S.1A from Vicuns, has a popuIntion of about 8000 , manufactures of maehinery and wire, and a botanie gardeu. l'eldsbury, 40 miles N.N.E. from Vienma, population 2500 , is finmous for its wine, and for thesplendid palace of Prince Lichtenatein. IIainburg, on the right bank of the Danube, 80 miles lis. $\mathrm{T}_{\mathrm{F}}$ from Vienna, population 4000, is a place of conaderallo trade: here is the largest tobaceo manufactory in Austrin. Klosterwewberg, on the right bank of the Danuhe, 8 miles N.W. from Vionna, population about 4000 , has mauufactures of leather and fancy cottou goods. At Klosterneuburg is one of the oldest and richest Augustino monasterios in Austria: it lass a library of 30,000 volumes. Modling, on the Glogaitz railway, 8 miles S. hy W. from Viemna, population 3500 , is an old looking towu, but has some manufactories of woollens and mushius Neustadt, or Wiener-Neustadt, on the Glognitz railway, 25 miles S. from Vienua, population 9323, is a garrison town, and wam formerly the residence of the emperors. It contains the imperial castle, an ancient cathedral, a Cistercinn abbey with a very extenaive library, a grommar school, a military academy, and a musoum ; aud carries ou considerable manufactures of sugar, beer, and paper. Stockerans 15 miles N.W. from Vionna, population S659, is cousected with Vienna by the Stockerau railway, and has a considorahle linen manufacture; soldiers' clothing is also largely male. Waidhofn, 81 miles W.S.W. from Viems, population about 3000 , in the centre of the iron manufncture.

The inhabitants of this proviucc, as well as those of the other division of the areleluchy of Austria, are of German deacent. After the Avari were driven out, it was re-peopled by Bavarians, Swahinus, Saxons, and Eraucouiaus, priucipally indeed by the first mentioned ; $n$ ciremmstance which accounts for the similarity its lagunge and manners betreen the native Austrian and his Bavarian neighbour. In the castern and north-oastern districts thero are many. Slavoniaus, here denominated Croats.

The majority of the population are lioman Catholics. According to the census of 1846 there werc $1,474,904$ Romau Catholics, 673 Greek Catholice, and 390 Greeksnot in the Uuion; 1\&,196 Proteatants, and 1296 Jewa.

The puhlic provision for elucation consisted of 1 unireraity, 18 schools of arts, 1 school of philosophy, 8 gymnasia, 6 theological academioe, 30 special aud 29 general schools, in all 88 upper school. The popular achools numbered 21 is, being 18 head sehools, 1098 lower schools, 20 girls, 11 infants, and 1026 adult schools. The number of childron capable of attending school was 168,486 , actually in atteudnence 164,719. The adult schools were nttended hy 59,238 persous, 37,149 males and 21,839 females.

The public lihraries aud scientific institutions, espeedally in Vienve, are numerous and of much importance. The benevolent inatitutions are also numerous and well supported.

The province of the U'pper Cus, or C'pper Austria, forms the western part of the archduchy, and is situated on both banks of the Danuhe, but chiefly on the south, between $46^{\circ} 57^{\prime}$ and $48^{\circ} 40^{\circ} \mathrm{N}$. lat. Tho duchy of Salyburg, which was incorporatod with it in the year 1816 now forms a separate division. Upper Ens is bounded N. by Bohemia, E. by tho Lower Fins, S. by Styria, Carinthia, and the Tyrol, and W. by bavaria Ita area is 4025 English square miles: the popuIntion in 3850 was 706,316.

Surface, dec. The Uppor Ens is a mountainous conntry. The parts south of the Danube contrin some of the most eleratod Alpine regions in the Austrian dominions, nud thoso north of it aro intersected by lower ranges which are offisets of the great Bohemian forest range. The Rurotian Alps occupy a mmall portion of the south-went, and terminate at the Dreiherreuspitz, from which point the Norio Alpe occupy the whole of the southern circles of Mausruck, and Traun but the loftieat peaks bolong to Salzburg. There are many wide and numerons small valleys among the mountain masses that overaproad the land south of the Danuhe The only level country in the province is tho inmedinto hordera of tho Dasmhe. In tho Mial circle, which is north of the river, tho mont clevated point is tho Plöckenstem, cluse to the curamon boundary of Bavarin, IBuhemia, and the Upper Ens: ita height duee not excoed $217 \%$ Englinh feut.

Tho Upper Ens is not rioh in uative productan. Gold and silver are howerer found ou the Gastcin range at Kaurin and Sohellgaden. Copper abounds in soveral placas; and a plentiful supply of iron is procured from the mountains of the Traun cirele, whence copper and lead aro also obtained. Salt aloo abounds eepecielly in tho Traun circle, where is the Salzkmmergut (Salt-domain of the Crown), which coutains an ares of 286 square miles, and las about 80 villages and bamlots, aud above 17,000 inlabitants : the salt miues yield upward of 10,000 tons annually. Coals are dug is sereral quarters, but priuci-
pally in tho Trann circle; and there aro extencive peat-mosses. Marble of good quality, alabaster, and gy psum are obtained.

Hydrography, \&c.-Among the numerous streams of the Upper Ens there are five navigable rivers: the Danube, which enters the proviuce in the uorth-west, below Passau, and quits it after receiving the Ens at the south-eastern corner of tbe circle of the Mühl; the Inn, which forms the western frontier for a short distance, and receives the Saal, another navigable river that divides the Upper Ens in part from Bavaria; the Ens; and the Traun, which last stream flows out of a small lake not far from Anssee, in Upper Styria, then crosses into the circle of the Tramn, at its south-western end, turning from the west to the north, passes through the lakes Halstätt and Traun, takes a north-easterly direction along tho western side of the circle, throws itself over a precipice 60 feet high near Lambach, washes the eastern side of the town of Wels, in the Hausruck circle, and ultimately falls into the Danube, opposite Steyeregg, after a conrse of abont 70 miles. It is navigable after quitting the Trann-see, and the obstruction from the fall at Lambach has been obviated by a side canal 1020 feet in length. Among the minor strcams are-the Ayer, which unites the Mond and Kammer lakes, and joins the Dantube near the Zizeleau and the Salzach or Salza, which however belongs principally to Salzbnrg.

The Upper Ens abounds in lakes, of which the following are the largest:-The Traun or Gmunder-see, in the west of the Traun circle, 39,437 English feet long, 9812 feet in its greatest breadth, and 620 feet in its greatest depth. The Halstätter-see at the south-western extremity of the same circle, inclosed between high monntains, 26,622 feet long, 7062 foet broad, and 622 feet in its greatest depth. The Atter or Kammer-see, in the south of the Hausruck circle, 64,375 feet long nnd 10,908 feet broad; and the Matt or Mond-see (Lake of the Moon, from its crescent-liko shape), which lies west of the southern end of the Atter-see, and is 35,000 fect long and 6687 feet broad. There is an immense uumber of smaller lakes, of which, in the Traun circle alone, 27 have been counted. Swamps and morasses of considerable extent occur in many parts, particularly near the Mond and Traun lakes.

The only railway in the Upper Ens is the lino, chielly for goods, which runs from Budweis through Linz to Gmunden, 120 miles: the carriages on this line are drawn by horses.

Climate, Soil, Productions.-The climate of the Upper Ens is much colder than that of the Lower I'ns, though it lies in the samo latitude; and mnch more so in the south than in the north. The warmest parts are in the valley of the Danube. On the wholeit is not insalubrious, although not so lealthy as the adjacent provinces.

Many extensive tracta, particularly among the alpine masses of the mouth, are oxtremely sterile. The valleys of the nortlern part of the Tauern group abound in clay, limestone, slate, qnartz, \&c. The lowlands of the northern parts of the Trann, and several districts in the Hausruck, and the western tracks along the Inn, are highly fertile.

Agriculture is snid to be in a moro advanced state in the Upper than in tho Lower Bns, The productive land in the Upper Ens (including Salzburg, which was not then separated from Upper Ens,) was thus ocenpied in 1846 :-A Arable 1,211,649 English acres; meadows and gardens 725,394 acres; pasture 636,300 acres; woodlands 1,502,262 acres. The graiu grown in the same year was, in English quarters:-wheat, 245,254 ; rye, 561,859; barley, 227,362; oats, 600,916; and maizo 436 ; of potatoes the quantity obtained was $1,692,691$ bushels. A large quantity of fruit is grown. The vine is very little cultivated; only 38 acres were returned in 1846 as vineyards.
The province abounds in pastures, and the rearing of horses and cattle is general. The stock of horses of all kinds in the Upper Ens (inclading Salzburg, which has a mnch prized breed of very large horses), was only 54,450 in 1846. The horned cattle are of a large breed: the stock in 1846 was 99,790 oxen and 413,214 cows. The sheep are of an inferior race, and none of them yield fine wool, though some pains have been taken of late years to improve them: their number in 1846 was 341,400. Goats abound in tho upland parts. The lynx, wolf, and bearare occasionally met with; foxes, stags, deer, marmots, polecats, squirrels, martens, hares, and wildfowl are more or less plentiful. Fresh-water fish are abundant: and the beaver and otter are at times seen on the banks of the Danube, Muhl, and Aschach. The pearl muscle is fonnd in some of the rivulets in the upper part of the Mitihl circle.

The manufactures of this province, though less extensive than those of the Lower Eus, are considerable. The pcasantry in general manufacture their own linens and woollens, and mako what leather articles they require. Much linen thread is spun as well as woollen and cotton yarn, especially in the Mühl circle, where some thousand hands are employed, and there are numerous factories whero linens and cottons are printed : cotton spinning employed 1164 persons in 1848. The mannfacture of cotton cloths is also extensive. There is a considerable manufactory of woollcus and carpets belonging to the crown, in Linz; and others in Wels, \&c. About St. Wolfgang "in the Traun cloth of goats hair in propared. Large quantities of steel and ironware tools, \&c., are made in the Upper Ens, particularly in Steyer and the districts to the sonth of it; Steyer, in fact, has been called the Birmingharn of Austria, but its manufactures are of coarser workman-
ship. There are copper and brass works in several places. The preparation of wood for domestic and other purposes gives considerable employment to all the parts south of the Danube. Bleaching-grounds and tanneries are numerous. Paper, glass, leather, earthenware, chemicals, beer, and spirits are manufactured pretty extensively

The exports of the Upper Ens are very considerable, and consist principally of salt, timber, and wood for fuel, yarns, linens, woollens, carpets, ironware, tools, nails, and screws, cutlery, flax, cotton-yarn, cottons, stockings, cheese, beer, fruit, cattle, earthenware, mill and polishing stoues, stone for building, \&c.

Divisions, Towns, dec.-The Upper Ensis divided into three circles :Mühl, which has Linz for its capital, Hansruck, capital Wels, and Traun, capital Steyer. Livz is noticed under its title, Steyer and Wels with the other principal towns of the province we notice here:-
Steyer, the capital of Traun, is situated at the junction of the Ens and Steyer, 20 miles S.E. from Linz : popnlation, 10,000. Steyer is often styled the Birmingham of Anstria, but neither the size of the town nor the character of the goods quite entitle it to be put into comparison with the Birmingham of England. It has however large manufactories of firc-armas, and cutlery, and iron goods, and also of cottons and cotton velvets. It is a walled town and has an ancient castle.

Wels, the capital of Hausruck, is on the left bank of the Traun, 16 miles S.W. from Linz: population, 4300. It contains several churches and schools, and a large hospital, has considerable mauufactories of cotton, leather, metal wares, \&c. It is on the Budweis and Gmunden railvay, and is the centre of a considerable traffic. Ens, on a steep bank near the junctiou of the Ens with the Danube, 10 miles E.S.E. from Linz, population 3500 , is an ancient walled town, and has some iron and steel works. Ens was tho head-quarters of Napoleon in 1809. Freistadt, on the Budweis railway, 18 miles N.N.E. from Linz, population 3000 , contains a chnrch, a college, and two castles. Ginunden, at the efflux of the Trann from the Traun-see (or lake), and the terminns of the Budwcis and Gmunden railway, 36 miles S.W. from Linz, population 3300 , is the chief town of the salt district, and a place of considerable trade. It is visited for its saline springs and baths. Steam-boats ply on the Traun-see. Ischil, the capital of tho Salzkammergut, on the Traun, 50 miles S.W. from Linz, population 2000 , has become a somewhat fashionable bathing place on account of its saline springs, and picturesque situation and scenery. It contains two churches, schools, and excellent bathing establishments. A suspension-bridge crosses the Ischil. Kremsmünster, built round a hill on the left bank of the Krems, population about 1000, is celebrated for its rich abbey, observatory, musenm of natural history, and public schools. Urfahr, or Urfer, on the Dantue opposite Linz, with which it is connected by a bridge, and to which it is a sort of suburb, is a market-town with nearly 3000 inhabitants.
The majority of the population of the Upper Ens are of the same stock as the Bavarians. On the banks of the Ens and Traun are some villages peopled with individuals of Slavoniau extraction. The proportions throughout the proviuce are said to be five agricultural labourers to two operatives. The Roman Catholic is the predominaut religion. According to the census of 1846 there were in the Upper Ens (including the population of Salzburg) 840,635 Roman Catholics, and only 16,058 Protestants of all sects.

The public provision for education consisted of 2 npper granmar schools, 3 gymnasia, 2 schools of philosophy, 14 special and 6 general schools, making in all 27 npper schools. The popular schools numbered 1251, being 8 head and 616 lower schools; 8 girls, 7 infaut and 609 adult schools. The number of childron capable of attenaing school was 92,234 ; the number in actual attendance, 89,396 . The adult or repetition schools (Wiederholungschulen) were attended by 20,997 males and 19,010 females, in all 40,007 .
(Von Lichtenstern, Hassel, Blumeubach, Röhrer, Jenny, \&c. Veber-sichts-Tafeln zur Statistik der österveichischen DIonarchie; Gotha Almanac, 1854.$)$

ENTRAIGUES. [AvEYRon.]
ENTRE DOURO E MINHO, a province of Portngal, situatod between $41^{\circ} 5^{\prime}$ and $42^{\circ} 8^{\prime} \mathrm{N}$. lat., $7^{\circ} 48^{\prime}$ aud $8^{\circ} 45^{\prime} \mathrm{W}$. long., is bounded N. by Galicia, in Spain, from which it is divided by the Minho; S. by Beira, from which it is divided by the Douro; E. by Tras os Montes; and W. by the Atlantic Ocean. The greatest length north to south is about 70 miles; the greatest breadth east to west is about 45 miles. Tho area is 2040 square milcs. The population in 1850 was $486,831$. Tho province is divided into two districts, as follows:-


The districts are subdivided into 12 comarcas, or judiciary divisions; 32 concelhos, or communal divisions; and 760 parishes, as follows:-


Swrface-Threo monntain ranges crows the province in a direction from nortbenst to wouth-west. The most northern range, called the Serra de Fistrica, enters the proviace from Galicin, and extends nearly to the coast. It is the lenicest of the three ranges, its bighent summit, Monto Cararra, baving an elevation of 7850 foet above the sea; and it occupies nearly the whole of the country between the Minko and the Lima. The central range, called the Surra do Geres, occupies the country between the Lima and the Cavado. The thlrd range, called the Sirra de Santa Catarina, has a mere sonthern direction than tbe other two, ranning parallel to the Tamega and extending its ridges westward towardis tho mea norl sontlward to the Deuro. These three meuntain rangee, with their offects, fill up the greater part of the province, but all of them sink down as they approach the coast, whero there is a conaidemble extent of undulating country.

Rirers. The Mivho separates this province from Galicin on the north [Galicu], aud the Douro separates it from Beirn on the wouth. [Dovro.] The principal rivers of the interier are the Jima, the Curado, and the Tamega. The Lima is the largest of the rivers, It rises in the mountains of Galicia, and after a course of about 70 miles, fcuerally west-outh-west, enters the sea helew Viana, It is anvigable for mall craft to about 12 miles from the meuth. The Cavado rises in Tras os Montes, and flowing in a direction mestly parallel to the Lima enters the sea below Barcellos after a course of nbeut 60 miles: it is not navigable. The Tamega rises near Monteroy, in Galicin, and Duwa generally south-soutb-went, crossing a part of Tras os Montes, and eutering this province at Cares. It forms the houndary between the two provinces of Entre Douro e Minho and Tras os Montes fer about 12 miles, and has afterwards a course of about 80 miles to the Douro, which it enters abont 30 miles above Oporto; its total length is about 90 miles: it is not nnvigable. In the rainy seasen it rises 30 or 40 feet, and the current is exceedingly mpid. A pertion of the Scrra do Mario, whicb enters from Tras os Montes, flanks the Tamega on the eastern side The Neira, the Grisoner, and the D'Ave (united with the D'Esto) enter the sea, They are all small. The Souza, also emall, flow into the Douro 10 miles above Operto.

Climate and Productions.-The climate is very pleasant and Wholenome. The hreezes from the sea and tho moutains cool the air in nummer, and the wiuters are mild. The tops of the meuntains are mostly sterile, hat the sides are covered with good seil, and well wooded with oaks, chestnuts, and frnit-trecs. The valleys are exceedingly fertile, watered hy numerous streams, and well cultivated. The principal productions are wine, oil, flax, maize, wheat, harley, oats, and vegetahles and fruits of all sorts. Pastures are rather scarce, yet a considesable quantity of cattle and sheep are reared. The principal article of exportation is wine, wlich is shipped at Oporto. The portwiuen indeed are mostly produced in this province. Silk fabrics, linens, hats, porcelain, hardware, and cutlery are made in tho towns, Iron and teel are imported. Thero are fisheries along the const, which occupy a considerahle number of the inlahitants.

Towns. The city of Oporto is lecally in this province, but is politicnlly included in Beira, as the capital of the miner province of Porto. [Beina; Oronto.]
Braga is the capital of the province of Entre Deuro e Miuho and of the district of Braga, It is situated on au eminence between the Caybulo and tbe D'Fiste, 33 miles N.E. frem Operto. It is a city and the see of an arcbbishop, who is the primate of Portugal. The population is 17,000 . It is a very ancient city, nud was tho Braccara A ugusfa of the Romans. It is surreunded hy old walle and defended hy a fortres. Ituins of an amplitheatre and an aqueduct existed at the beginning of the present century, but there are new ne remains of them. The strcets are narrow and irregular. There are two principal squares, and water is supplied from several fountains. The principal building is the cathedml, a stately fahrio of perpendienlar Fethic ; and the archhishep has a palace. About three miles cast from the city is a lofy hill commanding a delightful riew of the valleys of the Cavado and D'Fiste, and surnounted by the sanctuary of Jesur do Monte, which in still remorted to as a place of pilgrimage. 1 marantc, 3.5 miles E.N.F. from Oporto, stands on the western bank of tho Tamegn, which is hero crossed hy a goed stone hridge. It is a very anciont town, well built, and contains two churches : population, 4000. farcellon, 27 miles $N$. from Operto, is pleasantly situated in a plain on the nerthera bank of the Cavalo, which is here crossed by a bridge connocting Ikareellow with the suhurb of Rarcellinhos, Barcellos is inclomod by old walla, and contains a collegiato church and two parish chnrehen: popnlation, 4000 . Caminha, 55 miles N. by W. from Opport, entand on the southern bank of the Minho, near its mouth. It is fortified by an uxteunive line of crown-works, horn-workn, diteh, nnd corered way: populutlon, 3000 . The fort of Inson is construeted on a rock at the entrance of the harbour of Camiuha, and forms a erowfire with the gune of the town. Eaposende, n amall towu and harbour, stands at the mouth of tle Cavadn, on the north bank, 10 miles W. from Darcellos, Qnimarais, 25 miles N.E. from Oporto, is situnted between the D'Ave and the Arezilla, in a fertile plain at tho foos of Monte latito. It is an ancient town, murrounded hy old walla, and encircled by ruhnrbe. The strecte are wile and the housos well built It has sercral good mquares, and contains a handsome colleginte church and threo parish churchen. Thero are manufactures of hurdware, cutlery, and tablo-lines: population, 6000. Monçṑ,

65 miles N. hy Fis from Oporto, in situated on the soutbern bank of the Slinbo. It is an old fortified town, hut of no great atrength for modern warfare, being commanded ly somo heights at ne groat dintance: population, 1500 . Ponte de lima, 13 mile N. from Oporto, is a small town, wo named from the solid stone hridge of 21 archea, mostly of Roman work, whieb bere crosses tho Lima. The town stands on the seuthern bank, 12 milom Fi.S.E. from Vinna. The environs are very beautiful, richly wooded, and bounded hy monntains. In the summer and autumn the vines, trained to trellis-werk, lang down in festoons, covering a groat extent of country, aud presenting the appearance of an endless succession of luxuriant arhours l'alenga do Minho, 65 miles $N$. from Oporto, is altuated ous the southern bauls of the Mlinho, opposite to the Lown of Tuy in Galicin Valenga is a small place, but is strongly fortified with cight bastions and a crownwork, wbich were put in a state of tharougb repair in 1812, and meunted with 50 piccee of cannon. Viana, the capital of the dintrict of Viana, 42 miles N . by W. from Operto, is situatod at the mouth of the river Lima, on the nerthern bank, and has a harbour whiel admita emalI ressels not exceediug 200 ton hurden. It is defeuded by the fert of Santiago, a pentagen with five bastions and two ravelins, next in strengtb to Valonga. The town is inclosed by walls with five gates, and has four suhurbs. It has three squares and is tolerably well built It centains a cellegiato church and two parisb churches. The inbahitants carry on an active fishery: population, 8000 . Jilla de Cende, 15 miles N. by W. from Oporto, stands on the nortb lank of the D'Are, near the mouth of the river, aud has a small harbour defended by a hattery. It las a geod coasting and fishing trade: populntion, 3000 .

ENTRF RIOS, one of the Riverine proviuces of the Argentine Confcderation, South America, owes its aane to its situation between the rivers Paraná and Uruguay. It comprehends however only the southern part of tho peninsula fermed hy those rivers, the northens portiou forming the province of Corrientes. The boundary between tbe prorinces is formed by the Rio Guayquirnre, which falls into the Parank, and tbe Mocoreto, which falls into the Uruguay, botween $30^{\circ}$ and $30^{\circ} 30^{\circ} \mathrm{S}$. Iat. The area is about 32,000 square niles: the population is about 25,000 .
The surface is gently undulating; it is only hreken by hills aleng the middle portion or juterior of the country. This part is covered with fereste of low stunted trees. The southern part of the province is low, and especially aleng the banks of the Parand suhject to inundatiens. The northern part is occupied hy a low swampy tract, known ns the Ferest of Monteil. Besides the rivers Paraná and Uruguay [Argentine Confederatios], the provinco is ahundautly watered by numerous small streams. The soil of Entre Rios is iu genernl fertile, and covered with luxuriant herbaga. The climate is mild and dry. Frost never eccurs. Iain seldom falls more than fifly days in the year. The highest range of the tbermencter at tbe town of Parauk during the years $1844-47$ was $96^{\circ}$ in Jauuary 1844 ; the lowest, $50^{\circ}$, eccurred in the menth of June in 1844 and 1816 . (M'Cann.) Cultivation is limited to a comparatively few speta. The priucipal grain crops are wheat, harley, and maizc. Tolsacce aud cetton of excellent quality are also raised, but the crops are precarious in censcqueuce of frequent droughts. Great damage is alse denc to all kinds of crops by the immense swarms of locusts and suts which semetimes devastate an cutire district. The ferest-troes are chiefly mimesas, nandubay, black and white espiuello, guebrache, and gunyiabo, hut they aro gencmlly small, thongh in much request for carpenter's work and firewood. Vast berds of cattle are reared, but heavy losses frequently occur owing to tho severo droughts to which the provinee is se often subject. Iu 1816 se great a drought occurred that tho grass was evcrywbere burnt up; and Mr. M'Cann states that the whelo of the cattle in the province went off from the feeding grounds in searcb of food and water: many estancias (cattle farms) lest frum 5000 to 50,000 head of cattle, and one farm 150,000 . Herses are bred in great numbers. Owing to the leng-continued state of anarcby in the province there are, in the unsettled parta, numerous herds of wild cattle and horses, The rearing of cattle and herses is the chief occupation of the inhahitants. Mechanical empleyments are aluost entircly neglected. The geographical position of the province admirably adapts it for commercial pursuits; but owiug to the closure of the navigation of tho two great rivers, and the disturbed state in which the country has so long been kept, comparatively littlo comonercial progress bas yet heen made. Now however that the rivers are declared open to vomsels of all nations, under the guarantoo of the principal maritime powers, there seems to be roquired only internal peaco for the rapid dorclopinent of the great capabilitics of the country. The exports are principally of hides, horns, tallow, and jerked heef.
Like the other provinces of the Argeutino Confederation, Eintre Ifion in a fcdernl state, owning but little depondonce upon the central government. Tho government is almost entirely in tho hands of a governor, elocted for a lerm of two years. The Congresa consists of deputies choen from the acveral town or districts. Tho revenue is derived chiefly from customs duties.

Except a fow families of Gunrini origin the country is almost entiroly inhabited by the dencendants of Spaniards In the towns however a few forcigners are settlod, mostly Italiaus, who mainly couduct tho diver navigation, with some liench and Limglishe tradors.

Some of the large estancias (cattle farms) and saladeros (tallow-melting establishments) are tho property of and conducted by Englishmen. As mentioned under Argentine Confederation, Entre Rios took a leading part in the revolt against the supremacy of Buenos Ayres, joining with Corrientes in the engagements with foreign powers, which led to the fall of Rosas, and in all tho subsequeat proceedings which have had for their main object the opening of the rivers Parand and Uruguay. [Argentine Confederation; Corrientes.].

Parana, or Villa del Parana, the capital of the province, is about a mile from the left bank of the Parana, in $31^{\circ} 45^{\prime} \mathrm{S}$. lat., $60^{\circ} 47^{\prime} \mathrm{W}$. long., and contains about 6000 inhabitants. It is built on the summit of a lofty cliff, which slopes gently towards Santa Fe, which stands on the opposite side of the river, and hence the town derived its original name, Bajada de Santa Fe, or the 'Descent to Santa Fé.' The only public building of any consequence in Parand is the recently erected government housc. A large church which was commenced some jears back remains unfinished. The climate is mild and dry, but not healthy. The houses have no fire-places; and all classes live much in the open air. The supply of water is very bad; all that is consumed is brought to the town in carts drawn by oxen. The town at present has a quiet listless appearance. Only a few small vessels belong to it. The exports are hides, hair, tallow, and lime.

Concepcion de la China, formerly called Uruguay city, on the Urugiay, is a small but old town of about 1500 inhabitants. It once carried on some trado with Monte Video, but it is now decayed and ruinous. The houses are mostly built of wood and mud, with thatched roofs. In the centre of the Plaza is a pyramid now falling to pieces. In the vicinity is a large saladero. Concordia, on the Uruguay, opposite Salta, from a village of a few mud huts, appears to be growing into a place of some importance. It has about 1000 inhabitants, and carries on a good deal of trade. But the situation is bad, as vessels are unable to reach the town at low water, and are obliged to anchor about two miles below it. It contains a church and a large school-house, endowed by the government. Gualeguay, on the river of the same name ( $33^{\circ} 10^{\prime} \mathrm{S}$. lat.), is a town of between 2000 and 3000 inhabitante, of whom nearly 300 are foreigners, chiefly Braques and Italians. It is a place of a good deal of trade, but vessels cannot approach nearer than about thrce leagues from the town. In the neighbourhood is the most extensive estancia in this part of the country, belonging to an English subject. It is the property of Mrs. Brittain of Sheffield, and occupies 200 square lcagues of land. Several other estancias belonging to English subjects are in the vicinity. Gualegray-chu, near the mouth of the Gualeguay-chu, about 60 miles E.N.E. from Gualeguay, population about 2500, including nearly 300 foreigners, contains a neat church and a good school-houso, and is a place of some trade; but the situntiou is inconvenient, as vessels drawing more than 6 feet of water are sometimes obliged to wait two or threo weeks to get across the bar at the mouth of the river. In the neighbourhood are some large tallow-melting establishments.
(Woodbine Parish, Buenos Ayres; M'Cann, Ride through the Argentine Prorinces.)

FNTREVAUX. [Alpes, Basses.]
ENYED, NAGY-ENYED, or STKASZBURG, a town in Trangylvania, is situated in $46^{\circ} 18^{\prime} \mathrm{N}$. lat., $23^{\circ} 42^{\prime} \mathrm{E}$. long., in a valley on tho right bank of the Marosh, and has about 5500 inhabitants. It is built in an old-fashioned style, and contains a Roman Catholic, a Lutheran, and a Peformed Lutheran church, but is most celebrated for its richly endowed Protestaut lyceum. On the market-place are the remains of tho ancient burgh or castle, with its towers and loop. holes, in which the Saxons, who built the town, were accustomed to defend themselves against their Transylvanian assailants in former days. The streets still retaiu their Saxon names. The population is composed of Hungariaus, Germans, Armenians, Greeks, and Wallachians. There are a paper-mill and some inanufactures in the town, and extensive vineyards in the neighbourhood.

EPERIES, or PRESSOVA, a royal free town, and the capital of the county of Saros, iu Upper Hungary, is situated in $48^{\circ} 58^{\prime}$ N. lat., $21^{\circ} 15^{\prime}$ E. long., in an agreeable country on the banks of the Tartsza, and has about 9000 inhabitants. It is surrounded wilh walls defended by bastions, and encircled by extensivo gardens and inclosures, amoug which are tho suburbs. The streets are broad, and embellished with several handsome buildings, among which are the county hall, four Roman Catholic churches, a Lutheran church, a synagoguc, Protestant and Roman Catholic high-schools, the latter attached to the Franciscan monastery, a chapter-house, town-hall, orphan asylum, and poorhouse. It is tho seat of a Greek Catholic bishopric crected in 1807, has a good episcopal library, and an imitation of Mount Calvary, on which acveral chapels are built. Eperies manufactures woollens and linens, and possesses a large earthenware manufactory and breweries, as wcll as a considerable trade in cattle, wine, and grain, to which the annual fairs greatly contributc. About 4 miles from the towu, the environs of which are agreeably diversified, are the chalybeate springs of Cromete, or Krasyna-voda, with baths.

FPERRAY. [ManNE.]
F'PIIESUS, a city of Lydia, Asia Miuor, and one of the twelve cities which belonged to tho Ionian confederation (Iferod. i. 142), was situated near the left bank aud close to tho mouth of the river

Caystrus, in $38^{\circ}$ N. lat., $27^{\circ} 48^{\prime}$ E. long. By the mouth of the river was a lake, formed by the sea, called Selinusia, and close to this was auother lake which communicated with it. The city itself stood ou elevated ground ; the country around was an alluvial plain. About a mile and a half N.E. from the site of the ancient city is the modern village of Atasaleck.

There is a myth that the city was originally called Smyrna, from the Amazon of that name; it is also said to have borne three or four other names. The name of Ephesus does not occur in the Homeric poems; and Strabo says there is no proof that the city was in exist. ence at the time of the Trojan war. According to him the oldest inhabitants of the site of Ephesus were Carians and Leleges, most of whom were ejected by the settlers from Greece under Androclus. The temple of Artemis (Diana), to which the city owed so large a part of its fame and consequeuce, was already built here. From a tradition preserved by Pausanias it would seem that the original temple was outside the city; and it is probable that the subsequent temples wero. erected on its site. The site of Ephesus was changed more than once. Before about B.c. 300 it appears to have occupied the low marshy plain between the heights and the river. But Lysimachus, who obtained possession of the western part of Asia Minor after the death of Antigouus, conceiving the higher ground to be a more advautageous situation for the city, built the walls which existed when Strabo wrote, aud which are doubtless those the ruins of which still remain. The inhabitants however were univilling to remove to the site which he had inclosed; and he therefore, says Strabo, waited till the rains set in, when he stopped up the chanuels which carried off the water, thereby flooding the old city, and making the inhabitants glad to occupy the new site. It appears more probable however that the old city, the site of which was too low, was destroyed by the sudden rising of the river in a violent storm, as described in a little poen by Dorus, who appears to have lived about the time of its destruction. Lysimacbus gave the place the name of his wife, Arsinoë, but the old name was afterwards restored.

Though the Ionian Ephesus was an important place there is little of consequence related of its history. lrom the time of Androclus it was the kingly residence of the lonians. Ephesus was the first of tbe Ionian towns attacked by Crcesus. It fcll successively into the hands of the Lydian and Persian monarchs. It was the scene of a defeat of the Iouians and their allies the Athenians and Erebrians in B.c. 499. Towards the end of the Peloponuesian war the Athenians were defcated here; and iu B.c. 407 the A thenian fleet under Antiochus was defeated here by the Spartau fleet under Lysander. From an early period Ephesus was regarded as a sacred city, the templo of Artemis being looked upon with especial reverence; and it is noted that when Xerxes burnt the temples at Branchidx and elscwhere he spared that of Ephesus. As a commercial city its rise may date from the erection of the new city by Lysimachus, and during both the Macedonian and lioman periods it grew into commercial importanca in proportiou to the decay of Miletus. After the great defeat of King Antiochus at Magnesia (B.c. 190) the Romans in partitioning Asia Minor gave Ephesus to the king of Pcrgamum. Tho king (Attalus Philadelphus), Strabo tells us, in order to improve the harbour, which had become shallow by the deposit of the alluvium of the Caystrus, directed his architects to place a mole in front of tho liarbour, thinking that by contracting the entrance, which was very wide, both the entrance and the harbour would become deep euough for large merchant ships. But the result was just opposite to his expectations; for the alluvium was now kept within the entrance, and the whole harbour made shallower, whereas before it was in a incasure cleared away by the floods and the reflux of the sea. After the death of Attalus III. the Romans having taken possession of his dominions formed the province of Asia Minor, and Ephesus became its chief city, and the usual residence of the Roman governor and of the chief of the Asiarchs; and it was here that the Romaus usually landed when they went to Asia. Strabo, who visited it in the reign of Augustus, says that the city was then in a state of great prosperity. It had both ship-houses and a harbour, though the harbour had become more shallow; in all other respects the city owing to its favourable situation was increasing daily. It was already the greatest placo of trade of all the cities west of the Taurus. The port, called 1'anormus, was visited by ships from all the ports of the Mediterranean; and the city was connected by great lines of road with all the markcts of the interior. It was probably iu much the same condition when visited by St. Paul a few years later: The apostle stayed at Ephesus three years (Acts, xx. 31) and founded a church there, which in the book of Revelations (i. 11 ; ii. 1, \&c.) is placed first among the churches of Asin. The heathen aud Christian churches of Ephesus subsisted together for a considerable time. The final destruction of tho great heathen temple was effected about A.D. 260 by the Goths, or Scythians, in what is known as tbeir third naval invasiou, aud with its fall the splendour of the city may be said to have cnderl. It existed howover some centuries louger, though its dimeusions were contracted, and its trade was gradually decaying. The third groat couucil of the Christian Church was held at Ephesus in A.D. 341. Of its general history whilst a Byzantine city nothing worthy of meution is recorded. Its final destruction has been sometimes attributed to Timur, who encamped here after his capture
of Smyrna (a.D. 1402) ; but it is not mentioned by his historina, sud there is no doubt that Epherus had perished long bofore.

The only vestiges which now remaln of the once great city are some confunod heaps of ruins, chiefly thom of ita fensous tomple and theatre, with the nomewhat more perfiot linen of tho walls thy which it was oncompresed. "Many other walls indeed remain to show the oxtent of the buildiogs of the city, but no inscription or ormament is to bo fonerl, cities luving been built nat of this quarry of worked marble. The ruin of the adjoining town [Alasaluck? which arowe about 100 years ago, are catirely composed of materiald from Ephesus, and theme old castle and mosque walle hare become in their turn our quarry for relics of antiqulty." (Fellows, 'Remearches in Asin Minor,' p. 200.)

Both Pococke and Kiepert liaro giren plans of the anciont city; they differ in many rexpects, and though Kiepert's is more in accordanco? with recent researcles, it is possible that neither is accurate in its detaile. $\eta$ he whole compse of the walls, necording to Pococke, is about four miles; in Kiepertie plan it is somewhat leas Hamilton, one of the latest and most careful of the travellers who have examined the ruins of Ephesus, describes the walls of Lysimachns as stretching in a sontheast and narth-west directiou, along the ridge of Mount Conessus, from " immediately to the sonth of the gymmasium to the tower called the Irison of St. Paul, but which is in fact one of the towers of the ancient wall, closely resembling many others wlich oceur at various intervala. The portion which connected Mount Prion with Monnt Coreasus, and in which was the Maguesian Gate, appears to have been immediately to the east of the gymansium." Another wall, which Hsmilton supposes to be an older one, extends from the theatre over the top of Nount Prien, and thence to the enstern end of the stadinm. Besides these he was able to trace considerable remains of another wall "at the foot of Mount Coressus, extending from near the theatre woatwsri to the port and temple of Diana." This, which he supposes to hare been constructed by the 13 yantines when the town had diminished in size, is built chiefly of brick. The walls of Lysimachus are, according to l'ococke, built in a rough manner, but casod with hewn stonc. Fellows says that this wall is "a fne specimen of very early Greek arehitecture, having ouly the horizontal line of joints, the others being irregular, as in the Cyclopean: the doorways are almo of the carly Graco-ligyptian, as seen at Assoa," Ilamition gives an eagraving of ono of these gateway, which is in a nearly perfect state. In some places the wall remains tolersbly entire ; in others the foundations ouly are visible, and are ten foct thick.

The godden Artemis was wormhipped at Ephesus when the Ioninns settled there. Ilerodotus mentions a temple of Artemin as oxisting there in the time of Crocsus, who added largely to its wealth: this tomple and that of Ifers at Samos he speaks of as among the great works of the Grecks. Chersiphron was the originsl architect, but another architect enlarged it. This enlsrgod temple is said to havo been burst by Herostratus on tho uight on which Alexander the Great was born. A new temple was commenced on its site; and so zealons were the Fiphesian in the werk that the people gave freely tboir property and the women tholr ornaments, in order to furnish the money requisite for constructing it with the desired magnificence: yet it wa: 220 years before it was Ginished. When Aleannder entered Asia on his expedition into Persia he offered to repay all that had been expended upon the temple, and to fnraish all that would bo required to complete it, if he were permitted to place the inscription npon it; but the Ephesians, determined that the work should be their own, declived his offer. The temple was bnilt on the marshy ground ontalde the city, Pliny says, as being thus more secure against earthquakes ; the fonndations were formed of well-rammed charcoal and wood. The longth of the temple was 425 feet and the width 220 feet. It contained 128 columns (1ling says 127, but this is of course an error), ench 00 fcot high, and each the gift of a kiug. This was much larger than any other Greek temple: the area of the great Olympicinm at Athens was about two thinds that of the temple at Ephesus; the ares of the Partlienon wam ouly one-fourth of it. And its splendour was equal to its mizc. The altar was chlelly the work of Praxitcles. In the temple was one of the great pletures of Apelles. It also conthined eome of the works of Thrano. Thirty-nix of tbe columus were richly carred, one of them by Scopas. In the trensury of the temple whe itored large part of the wenlth of Western Asin. From the carlient timen it wan as exylum for clebtorm and malefactors. The original limita of thim nrylum were extended to a stadinm by Alexander, and etill farther by Mithridnten. M. Antomiaus greatly adranced the lindes of the anylum, making them to include a part of the city; but thin ordinanco being fonnd juroluetive of unch lnconvenience was abolinhed by Anguatum. The eervico of the temple whs conductod by prient called Megslolouzi, who were cunuchn, who were held in great honosr; with them virgin were areociated in the muperintendence of the terople. The worahip of the Liphenian Atemin served as the morlel of that of other citios and countrien; and large numbers of atrangers resorted to liphaus to worshlp in the great temple: it was probably for the foreigu vinitors anainly that the "uilver shrines for the goditess" wero made, "which brought so amall gain to the crannmen" of Ephenus (Acte, xix. 21). It hom been alrearly sald that the temple was dentroyed by the Scythian about A.D. 260. A Chriatian chinreh
was afterwnenle eroctod on the wito. At the present time the rery site is a matter of doubl llamilton thinks ho has ascertained lts site to bo marked by some massire atructures "near the western extremity of the town, which overlook the swanp or mareh whers whe the nneleat harbour." The ruin mhich he fixed on $n$ the site of the tomple appear to bo the same as thoso pointerl out by Pococke, but the brick arche and other works whioh Pococke thought to be parto of the great temple, liamilton with more probability attributes to "the Christians after the doutruetion of the tomple and the removal of the columns by Constuntine, when a church was orected on its ruinn" Kiepert however places the great temple more to the north and enst; but Mr. Falkener, who bas more recently made an clnbornto survey of Ephesus, thinks "it more to the wont and nearor to tho sea thas in Kiepert's ıap;" in other words, restores it to the position assigned to it by l'ocooke and lianilton, and which certainly mont nearly corresponds with the atatement of Pluy. The rast ruins of the templo probably long sarved as a marble quarry. There is little doubt that it furnisled materials to many of the buildings in Constantinoplo as well as in Aiasaluck.

But however it may bo with the great temple, according to Sir Charles Fellows, "f of the site of the theatre, the site of the tnmult mised by Demetrius, there can be no doubt, its rains beiug a wreck of immense grandeur. But its form alone can now bo spoken of, for every seat is rumoved, and the Proscenium is a hill of ruius." This theatre, the largest Greek theatro of which the remaius have set been trsood, Was 660 feet in diameter. The Stadium was another vast structure; its diameter being, according to Chandler, b87 feet. On the north side he found the sents to be construeted on arches, but on tho south they are laid on Jomut Prion, or Lepro, as it was also callerd. Besides these there are still Visible considerable remains of auother vast edifice of Roman dato, which has boen generally stated to be a gyinuasium, but which lellows thinks is a palace. It stands on the south-east side of the city, and the foundations of a large number of rooms are jet traceable. The onter walls are of brick and stone, of four or five conrses of each laid alternately, and constructed with great solidity. A plan and a view of the remains of this odifice, and also severnl iuteresting views of the other remains of Fiphesus, from sketchos made when they were more perfect than at present, aro given in vol. ii. of the "Antiquities of Ionin," published by the Dilethati Society. One of thesa now less perfect buildings is a tomple, represented in plates 44 and 45 of that work; it was 130 feet long aud $\$ 0$ broad. The cella is construeted of large coarse stone; the portico is of marble, and of the Corinthian order. The columns are nearly 47 fect high, and the shafts are fluted, and of one piece of stone. The stylo is Roman, and the templo wras dedicatod, probably with tho permisaion of Angustus Csosar, to the deified Julius.


Coln of Ephesus.
British Muscum. Actual Size. Silver. Weight, 1701 grains.
The other vast heaps of remains aro most of them as yet but imperfectly asmigned. Among then are supposed to be the agorn, closo to which wero the Corinthinn temple, just notlced, and the largo theatre. Au Olympicium appears to have stood on Mount Prion. Un the south-east of the Mount are the tombs, in one of which Pococke savy a very large marble sarcoplagus. There are also the remains of an aquednct near the city. Chandler and llamilton both copiod nome inscriptlous at Fiphesur, but, according to Follows, there arc none to be secn there now.
('lococke, Travels in the East; Chandler, Inseriptiones Antiguce ; Jonian Antiquities, and Travels in Asia Minor; Leske, Asia Miner; Hamilton, Rescarches in Asia Minor: Fellows, Travels and Rescarches in Asics Minor: Gubl, Eiphesiaca; Loug, in Dictionary of Greek and Joman Geography: Couybare and Lowson, life and Lettere of Sc. J'aul, vol. ii.).

EMHORI. [Domis; Dormass]
EIPIIAUUUS, a celobrated city of anoient Greece, situnted on the enstera cont of Argolis, on a small bay in the Saronic Gulf, aud surrounded by mountains ou the lsnd side, in $30^{\circ} 45^{\prime} \mathrm{N}$. $\operatorname{lat}$. $23^{\circ} \mathrm{B}$. loug. Its more anciont namo was lipicarus, from lts oarlient inhabitauts, who were Carinas, and who were subsequently joined by nome Ionians from Attica. (Arintot apud Strab.) Whens the Deriass got pomension of Argos, lipidaurus jielded without reaistanec to them, and admitted a Dorinn colony muder Delphontes. (Pausan. ii. 26, 1.) The constitution of Epidamrus whs originally monarchical. Afterwands the governmeut was aristocratical; the chief magistrates were called Artyme, or Artyni, an at Argos (Thncyd. v. 47), anl wero the prosldents of a couucil of 180 ; the common people were termed

cultural pursuits. (Plutarch, 'Qurest. Gr.' 1.) At an early period Epidaurus was an importaut commercial city, and the mother city of F.gina and Cos, the former of which was once dependent upou it. (Strabo, r. 375.) It also colonised the islands of Calydnus and Niprrus. (Herod. vii. 99.) As a commercial city its consequence had passed away by the 6th century b.c. As the chief seat of the worship of Esculapius (Asclepius), Epidaurus was for a loug period a highly important place. The temple of Esculapius was situated at the upper end of a valley about five miles from the city, and was one of the richest and most renowned sanctuaries in Greece. In b.c. 293 it was so celebrated that during a pestilence at Rome a deputation was sent from that city to implore the aid of the Epidaurian god. (Liv. x. c. 47.) The temple was al ways crowded with invalids, and the priests, who were also physicians, contrived to keep up its reputation, for the walls were covered with tablets descrihing the cures which they had wrought, even in the time of Straho. The temple stood in a sacred inclosure called the grove ( $\mathrm{k} \lambda \sigma a \mathrm{~s}$ ), which was less than a mile in circumference, and contained several buildings besides the temple. The name of the sanctuary (iepor), is still preserved in the modern name of the spot Hieron. The temple, which contained a chryselephantine statue of Esculapius, was half the size of the Olympieium at Athens. But few vestiges of it are left. Near the temple was a remarkahly beautiful theatre, built by Polycleitus (Pausan. ii. 27,5), which is in better preservation than any other theatre in Greece, except that at Trametzus, near Ioannina; the orchestra is 90 feet long, and the entire theatre $3 \% 0$ feet; when complete it was capable of containing 12,000 spectators: 32 rows of seats still appear above ground. Of the other buildings mentioned by Pausanias, including temples of Athena Cissza, Artemis, Dionysus, aud Aphrodite in the city, a temple of IIera on the promontory hy the harbour, and two or three temples on the neighbouring leights; and the temples of Aphrodite, Artemis, and Therais, which together with a Tholus (ciscular building) erected by Polycleitus, and adorned with paintings by Pausias, a stadium, and some other edifices were within the sacred inclosure, there are bnt few remains.


Coin of Epidaurns.
British Museum. Actonl Sizc. Silver. Weight, $38 \frac{1}{2}$ graium.
Fpidanrus has acquired somo celebrity in recent times as the place where the Congress of Deputies from all parts of Greece assembled, and promulgated ou the Ist of January 1822 the constitution known as the Constitution of Epidaurus. Such was the state of Epidaurus at that timo that the deputies, unable to find accommodation in the villages, were compelled to live in the open air. Epidaurus "is now a miserable village and can barely muster 100 inliabitants and a few small boats." It has a good and well protected port. The village is surrounded by a small plain, in which vegetables are grown for tho market of Athens. (Leake, 'Morea,' vol. ii. ; Curtius, 'Peloponuesos,' vol. ii. ; and Murray, 'Handbook of Greece,' p. 255.)

There were two other cities of this name; one in Laconia, called Epidaurus Limera, which had also a well-known temple of Asculapius. There aro still some remains of the fortifications. (Leake, 'Moren,' i. p. 211.) This Epidaurus had a capital harbour, from which, according to Apollodorns, it derived its namo Limera. (Strabo, p. 368.) The third Epidaurus was a maritime city of Illyria, mentioned hy Hirtius ('De Bello Alexandrino,' c. 44).

EPINAL, the capital of the department of Vosges, in France, stands on the Moselle, ahout $234^{\circ}$ miles E. hy S. from Paris, in $48^{\circ} 10^{\prime} 24^{\prime \prime}$ N. lat., $6^{\circ} 26^{\prime} 55^{\prime \prime}$ E. long., and has 10,183 resident inhabitants in the commune. This is exclusive of troops, students, prisoners, the inmates of hospitals and religious houses, and all classes that go to make up the floating population of a place.

No mention occurs of Epinal earlier than the end of the 10 th century, when it was the residence of the bishops of Metz: the lordship however passed subsequently into the hands of the dukes of Lorraine. It was formerly well fortifed, and had a fine castle; but the fortifications have been razed.

The town is situated at the foot of the chain of the Vosges, and in a rlistrict ahounding with delightful situations. The rapid clear stream of the Moselle which here separatcs into two channels inclosing an island, divides the town into three parts-the Graude Ville which stands on the right bank of the main stream, and at the foot of an eminence crowned with the ruins of the castle; the Petite Ville which is built on the island, and is joined to the Grande Ville by two bridges, one of stone, erected in 1840, and the other of iron, constructed on the muspension principle; and the Fanbourg of the Capuchins, which is built along the left bank of the smaller arm of the Moselle, and is named from a convent of monks of that order. The streets of Epinal are well-built, and regularly laid out and clean. The finest cdifices in the place are the barracks, the resideuce of the prefect of
the department, the college buildings, the court-house, and the parish church, which is of gothic architecture, mingled with some parts in the style of a later age. The former Capuchin convent which stands on an eminence and is surrounded by large gardens, is now used as an hospital. The town has also a trihunal of first instance, a communal college, a chamber of commerce, a public library of 20,000 volumes, a museum, an orphan asylum, and a theatre. The manufactures are chemical products, lace, block-tin, wrought-iron, paper, earthenware, and leather; and some trade is carried on in corn, cattle, iron, timher, oak staves, deal planks, \&c.

EPINE, L'. [MARNE.]
EPI'RUS, ( $\pi_{\pi \in t p o s, ~ m a i n l a n d), ~ t h e ~ n a m e ~ g i v e n ~ t o ~ t h a t ~ d i s t r i c t ~ i n ~}^{\text {n }}$ Northern Greece which exteuded from the Acro-ceraunian promontory on the north to the Ambracian Gulf on the south, and from the Ionian Sea to the Chain of Pindus. In more ancient times the term included the entire western coast from the Ceraunian Mountains to the Corinthian Gulf, and the name was used in contradistinction to Corcyra and the other islands lying aloug the coast. (Strabo, p. 453; Homer, 'Odyss.' xiv. 100 ; 'Thuc. i. 5.)

Epirus was a wild and rugged mountainous country corresponding generally with the southern portion of Albania, under which title its physical features are descrihed (vol. i. eol. 170.) Then, as now, but comparatively a small part of the country was agricultural ; the mountains were the resort of a wild and savage race, and the valleys, though numerous, did not produce sufficient grain for the requirements of the inhabitants. The general pursuits of the inhabitants were pastoral, and the fine cattle and horses of Epirus were celebrated among the Greeks. The population was mostly collected in villages, the towns in Epirus boing but few, while those were probably of comparatively late construction. The iuhabitants of Epirus wero scarcely considered Hellenic. The population iu early times had been Pclasgic. (Strabo, p. 221.) The oracle at Dodona was always called Pelasgic [Dodona], and many names of places iu Epirus were also borne by the Pelasgic cities of the opposite coast of Italy (Niebuhr, 'Hist. of Rome,' i. p. 34); hut irruptions of Illyrians had barharised the whole nation; and though Herodotus (ii. 56) speaks of Thesprotia as a part of Hellas, he refers to its old condition, when it was a celebrated seat of the Pelasgians, rather than to its state at the time when he wrote his bistory. In their mode of cutting the hair, in their costume, and in their language, the Epirotes resembled the Macedonians, who were an Illyrian tribe. (Straho, p. 327.) Theopompus (apud Strab., p. 323) divided the inhabitants of Epirus into fourteen different and independeut tribes. Of these the most renowned were the Chaonians who occupied the northern, and Molossians who occupied the southern part of the country, and who successively maintained a preponderance in this district. Tho Molossians claimed a descent from Molossus, the son of Neoptolemus and Andromache, who according to the myth, migrated from Thessaly into Epirus after the Trojan war, and settled there iu obedience to the injunctions of an oracle. Epirus rose into importance by the matrimonial connection of Alexander of Epirus with the king of Macedon. Philip married Alexander's sister Olympias, and gave him his daughter Cleopatra in marriage. Alesander was the first of the Molossian princes who bore the title of king of Epirus, having extended his power over most of the other Epirot tribes. He invaded Italy to assist the Tarentines against the Brutii and Lucani, and was slain near Pandosia. (Liv. viii. 24.) Pyrrhus, the grandsou of Alexander, is the best known of the sovereigus of lipirus. The family of Pyrrhus became extinct threo gencrations after his death, and the government was turned into a republic, which subsisted till the year s.c. 167, when the Epirotes were suspected of favouring Perseus of Macedon, aud utter destruction was inflicted upon them hy the Roman general P. Emilius, who destroyed 50 towns, ant carried away to slavery 150,000 of the inhabitants (Polyb. ap. Strab., p. 322 ; Liv., Ilv. c. 34 ; Plut. 'Emil.,' c. 29), after which the greater' part of the country remained in a state of absolute desolation, and even in the time of Strabo where there were any inhabitants they had nothing but villages and ruins to dwell in. (Strabo, p. 327.) Oi the other Epirotic nations, the Thesprotians, who occupied the middle portion of the country, were most celebraterl. They are


Coin of Epirus.
British Mruseum. Actual size. Silver. Weight, $151 \frac{1}{2}$ grains.
mentioned by Homer, who does not name the Chaonians and Molossians ('Odyss.' xiv. 315), and are considered by Herodotus to have been the progenitors of the Thessalians (vi. 176). In their territory
were the oracle at Dodona, the old city of Eplyym, and the rivern Acheron and Cocgtus, celebrated in tho old mythology. The most celebrated city in Molossia was Ambracia, a Corinthina colony, founderl about a.c. 635. It had a harbour on the Gulf of Arta, and a stnall navel forec. Ambracin reeelvel a very severe hlow in the defeats by the Athenians aud Amphilochans $423-126$ a.c., but their losses were in sotas zeasure rejaired by a now colony from Corinth. (Thucyd. ii. 63 ; iii. 105, \&e.) Pyrrhus snade Amhracia hia usual place of residence (Liv. xxxviii. 9.) It sustaiued a very remarkahle elege during the war betwoen the Romans and Aitolians. (Polyb. xxii 13.) Under the Roman domlnlon it sunk gradually into insignificance, and its ruin was completed by the transfer of its inhahitants to Nicopolis, which was founded hy Augustus to commemomto his victory at Actium. Its aite is marked by the town of Aurs.

EPPING, Fiens, market-town and tho seat of a Poor-iaw Union in tho parinh of Epping, is situated in $51^{\circ} 11^{\prime} \mathrm{N} . \operatorname{lat}, 0^{\circ} 7^{\prime} \mathrm{E}$, longo, dintant 10 miles W. by S. from Chelmaford, and $16!$ miles N.N.IF from London. The population of tho parish of Epping in 1851 was 2255. The living is a vicarage in the archdeacoury of Basex and diocese of Rochester. Epping Puor-Law Union contains 17 parishes aud townships, with an ares of 46,442 acres, and a population in 1851 of 15,630 .

Epping atands in a pleasant and healthy situation at the northern extrenity of the extensive tract koown as Epping Forest. The principal jart of the town, callod Epping-street, consists of a line of irregularly huilt housen extending more than half a mile. The chureh, pleasantly situated on rising ground, about 2 miles north-west of the street, and with the houses scattered about it, forms the hamlet called Epping Upland. In the 'Street' is a chapel of ease, originally belonging to the ahhot and monks of Waltham. The chapel has been rebuilt, snd is rested in trustees for the benefit of the inhabitants There are chapels for Quakers and Iudependents, National and British schools, and a reading room. The market is held on Friday, and is well supplied with dairy produce. Butter is produced in large quantities for the London market. Fairs are held on Whit-Tuesday and November 13th. About 2 miles S.W. from Lpping is Copped Hall, a mansion erected about a century ago near the site of a former residence of the monks of Waltham, and since that time much improved. It is one of the finest seats in the county. Near it aro the remains of an ancient camp, prohably British, now overgrown with trees, called Amhreys, or Ambersbury banks.

Fpping Forest, now limited to the south-west part of the county, was formerly called the Forest of Lissex, being the only forest in Fssex, the whole of which was anciently comprehended in it. The metes and bourds of the forest were finally determined on the 8th of September, $1640, \mathrm{hy}$ virtue of a comuission under the great scal of England. The boundaries as thus settled iuclude 11 parishes aud parte of 10 others. The cxtent of the forest is estimated at 60,000 acres, of which 48,000 acres are estimated to be inclosed and private property: the remaining 12,000 acres are uninclosed wastes and woods. That part of the waste which was called Hainault Forest, was disafforented hy the Act 14 and 15 Vict., cap. 43, passed August 1st, 1851. On the first Friday in July a pleasure fair, known as Fairlop Fair, was held round the pot once occupied hy an enormous oak called Fairlop Oak.
(Morant, Essex; Wright, Eisex: Young, Agriculture of Essex; Communication from Epping.)

EPSOS1, Surrey, a market-town and the seat of a Poor-Law Union, in the parish of Epsom, is situated on the margin of Banstead Downs, in $51^{\circ} 19^{\prime} \mathrm{N}$. lat., $0^{\circ} 16^{\prime} \mathrm{W}$. long. ; distant 16 miles N.E. hy E. from Guildford, 15 miles S.W. hy S. from London hy rond, and 181 miles hy the London, Croydon, and Epsom railway. The population of the town in 1851 was 3390 . For sanitary purposes the parish is under the manngement of a Local Board of Health. The living is a vicarage with the curncy of Hoo annexed, in the archdeaconry of Surrey and diocese of Wincheater. Epsom Poor-Law Union contains 15 parishes, with an area of 39,559 acrey, and a population in 1851 of 18,796 .

The name appeass to have heen originally Ehbasham, 'the home of Ebbe' Fpeom contains some good dwellings, and there is a puhlic building called the Aseemhly liooms, in which county mectings are held. The parish church, a gothic structure, was almost entirely rehuilt in 1824. In the chancel are nome fine monuments hy Flaxman and Chantry. Tho Wesleyan Mlethodists, Indopendeuts, and Calvinistic Baptists have places of worship. There are in Epsom National, Ikitioh, and Infant schools; a saving bank; almshouses for 12 poor widow, and reveral charitahle endowments In the centre of the town is a whect of water, and an ornamental clock tower, which serves for an engive-houso to mupply the water to the town.

The onee celebrated melicinal spring of Epsom, containing sulphato of magneria, and which grvo namo to Epsom Salts, are still in existance, though not now resorted to. Brick maklug, hrewing,
and malting are carriad on in Epsom, and in tho vicinity are nursery and malting are carried on in Epsom, and in tho vicinity are nursery grounda. The market is held on Wedncedsy, chiefly for corn ; a fair is held on July 2 sth, for cattlo and wool. The farmous Epmom races are held on tho adjacent downs. The grand stand on the race-course
is a largo and convedient huilding. Woodcote Park, IIorton I'ark, the Oaks, and many other seats are in the neighbourhood.
(Manning and Bray, Swrrcy; Brayley, Surrey: Cowmunication from E'poom.)

EPMOORTH. [Liscolssurne.]
1:1R131L, or ARB1:LA. [BACMDAD.]
FRETMRIA. [Eumea.]
l:KFU1RT, in goverument or mimisistrative division of Prussian Snxony; is bounded $N$. by 1 lanovor and 13runswick, Lis. by the gorernment of Mernoburg aud the duclyy of Saro-Wcimar, S. hy Saxe-Gotha, Since-Jeiningen, and Saxo-W eimar, and W. by Hesso-Cassel. Its aren is 1272 squaro iniles, and its population at the close of 1849 was $347,2{ }^{27} 9$, abore onefourth of whom are lioman Catholica, aud the remainder, wlth the exception of ahout 1500 Jewh , are Protestanta. The surfnco is in general hilly, bolng traversed by numerous offoots of tho 1 larz and tho Thuriogerwald. The soll of the province is favourahle for the cultivation of grain, and rather more than ono half of itss surfaco is arable land. About oue-fifth of it in approprinted to meadows or pastures, and rather more than one-fourth is oecupied by wools and foreste. It is watered hy the Unstrut, the Gera, Werra, Salza, Erlau, Heide, Wipper, and Saale. The chief products are corn, fax, tobacco, hopn, seeds, and salt. Great numbers of horses, liorned cattlo, sheep, goats, and swine are reared. In the circles of Weissenses and Schlousingen mines of iron, lead, and copper are worked; marble, gypsum, and sulphur slso are among the minernl productions. The manufactures are considerahle, and comprise iron and steel-ware, tin-plates, seed-oil, woollen-yarn, cloths, flannels, and carpets; linen and cotton, silk stuffs, hosiery, paper, glass, spirits, wooden clocks, \&c. There aro a number of mineral springs in the lilly districts.

The province or government of Erfurt is of most irregular slape, being broken into strips hy Schwarzburgesondershausen (whieh is entirely inclosed hy Prussian Saxony), and the small Thuringinn states. The unost connected portiou of it lies south, west, and north-west uf Swarzhurg, and the isolated bailiwick of Volkenrode belouging to SaxoGothe The province also includes some manall isolated detached tracts, the most important of which is the Prussian shnre of the old county of Henncberg, which lies hetween Sase-Gotha, Saxe-Jleiningen, aud Schwarzhurg-Rudolstadt on the western slope of Thuringerwald.

The province is divided into nine circles, named from the chicf town in each-Erfurt, Nordhausen, Heiligenstadt, Miihlhausen, Worbis, Scbleusiugen, Langensalza, Weissensee, and Ziegenriick.
Erfurt, the capital of tho goverunent, is situated on the Gera a feeder of the Unstrut, in a richly cultivated plaiu, in $50^{\circ} 58^{\prime} \mathrm{N}$. lat., $11^{\circ} 3^{\prime}$ E. long., on the great road leading from Frankfurt-am-Mnyu to the north of Germany, 14 miles by railway W. from Wcimar, aud has about 25,000 inhahitants. It was formerly the capital of Thuringia, and is a fortress of the second order, possessing two citadele, one the Petersburg, within the walls, and the other Cyriaxburg, on Mlout Cyrinx, outside of the towu. Erfurt has sir gates; five publie squares, one of which, the market-square, is ornamented with s stone obelisk 50 fect high, crected in 1802 , to Clarlea, elector of Mainz; several hroad and well-huilt strects; 11 Romanu Catholic and 8 Protestant churches. The eathedral church of St. Mary is a fine gothio structure ; in this chureh there is a bell called the Maria Clara Susanna, cast in 1492 , which weighs nearly 14 tons. The cell of the former Augustine monastery, in which Luther resided from 1501 to 150 , is still shown ; it coutains several memorials of him. The monastery is now used as an orphan house. Of the numerous religious houses which Frfurt formerly possessed the Ursuline courent alone remains, and has a female sehool attached to it, which is superiutended by the nuns. Among the scholastic institutions iu the town are-a high school, a gymnasium, a deaf and dumh school, schools of surgery, design, and architecture. There are also a botanical garden ; a lihrary of ahout 50,000 volumes, formerly belonging to the university, which was suppressed in 1816; an ophthalmic hospital; and a general hospital. lirfurt is the seat of provincial administratiou aud of the provincial tribunals. It has considerable manufactures of cottons and woolleus, besidon lcss extensive ones of linen, ribands, leather, soap, earthenware, seed-oil, stockings, shoes, gloves, tohacco, dc., and it carries on a brisk trade in fruits, seeds, grocery, and drugs, grain, \&c.

Ifeiligenstait, situated on tho Leine near the llanoveriau froutier, 50 miles, N.W. from Erfurt, is a regularly built walled town with about 5000 inhahitants. It has a castle, four Ioman Catholic churclses, a gymnasium, a house of correction, several spirit distilleries, nad manufactures of woollen yarus and wooden clocks. From 1507 to 1814 Heiligenstarlt was tho eapital of tho department of the Harz in the kingdom of Westphalia
Langensalza, 20 miles N.W. from Erfurt on the road to Göttingen and llnnover, stands on the Salza and near its mouth in the Unstrut, in $51^{\circ} 6^{\prime} 59^{\prime \prime} \mathrm{N}$. lat., $10^{\circ} 38^{\prime} 38^{\prime \prime} \mathrm{E}$. loug., and has about 8000 inhabltants. The town is defcuded hy a castle aud surrounded hy walls which are pierced by four gates. It coutains four churches, a high seliool, a puhlie library, and four hospitale. The manufactures aro silk, cotton, and woollen stuffs, gunpowder, and starch. There aro a sulphureous spring and bsths about two zuiles from Langensalza, which are much frequented in summer.

Mithlhawen, 10 miles N.W. from Langensalza, is situated in a pretty and very fertile district on the right hank of tho Unstrut, iu $51^{\circ} 12^{\prime} 59^{\prime \prime}$ N. lat., $10^{\circ} 28^{\prime} 53^{\circ} \mathrm{E}$. long., nud has a population of about 18,000. It is an old town girt with wet ditches and ligh walls flanked with towers. There are four Lutheran churchea, the finest of which is tho Hauptkircho in tho Oherstadt, or Upper Town ; three haspitals;
a gymnasium ; and an orphan asylum in the town. The iudustrial products of Mühlhausen are linen and woollen stuffs, and carpets; there are also several dye-honses, fulling-mills, tanyards, distilleries, sbreweries, oil-mills, starch manufactories, and wool-spinning establishments in the town: eopper and iron ores are found near the town. Mühlhausen is oue of the oldest of the former free towns in Gernany; it maintained its democratic government till 1802 when it was ceded to Prussia. Münzer, a fanatic who gathered round him a large number of adherents from among the Thuringian peasantry during the progress of the reformation in Germany by his sociahist larangues, made Mühlhausen bis head-quarters, and here after the bloorly defeat of his followers at the battle of Frankenhausen he was publicly executed.

Nordhausen, 40 miles N.N.W. from Erfurt, is situated on the Zorge, a feeder of the Helme, which runs eastward and joins the Unstrut. The town stands at the southern base of the Harz Monntains in a fine corn country, and has about 13,000 inhabitants. It is built in a medirval style and is surrounded by a wall flanked with towers. There are four Lutheran churches, one of which contains the Ecce Homo and the Widow of Nain by Lucas Kranach; one Catholic churcb; and four hospitals. Nordhausen is a busy manufacturing town; its distilleries are among the largest in Germany, and it has numerons woollen factories, tanyards, oil-mills, soaperies, \&e. Among its other iudnstrial products are linen, sealing-wax, hats, and chemical products Nordbausen is built at the head of the Goldener Aue, or Golden Vale, one of the most fertile aud beautiful spots in Germany Iying along tbe Helme, which separates tbe region of the Harz from that of the Thuringerwald. Its manufactures and its important cornmarket make Nordhausen one of the most flourishing small towns of Prussia

Schleusingen, ebief town of the circle, formed out of the Prussian part of the old county of Henneberg, is situated on the Schlense, a fecder of the Werra, 36 miles W.S.W. from Erfurt, and has 3200 inhabitants. Tbe town is walled, entered by two gates, and defended by a castle. It has two ehurcbes, a gymnasinm, and manufactnres of woollens, white lead, hosiery, and paper.

Weissensec, 15 miles N. from Erfirt, betwen the Helbe and the Unstrut, has a population of 2600 .

Worbis, 45 miles N.N.W. from Erfurt, between Nordhansen and Heiligenstadt, stands near the souree of the Wipper, which after flowing across SchwarzburgSondersbansen enters the Unstrut between the mouths of the Helbe and the Helme: popnlation about 2000.

Ziegenrack, the chief place in an isolated circle drained by the upper Sanle, and inclosed by Reuss, Saxe-Weimar, Saxe-Meiniugen, and Scbwarzburg, is a small place of about 1000 inhabitants. There are iron forges and slato quarries here, and some mannfactures of linen and paper.

Besidea the abore the following towns may bo mentioned:-Bennecketein, in an isolated district situated at the foot of the Harz, and surrounded by Brunswiek, is 12 miles N.N.W. from Nordhausen and midway between that town and the Brocken: the population is about 3500 . Bleicherode, 12 miles W. from Nordhausen, between the Bode and the Wipper, has mincral springs, oil-mills, manufaetories of serge, and woollen stuffs, and 2800 inhabitants. Ellrich, on the Zorge, 7 miles above Nordhausen, was formerly chief town of the county of Holmstein. It has three chnrches, an hospital, manufactures of broadeloth, flanncl, serge, stockings, paper, leather, oil, \&c., and a population of 2600. Within a couple of miles of the town is the grotto of Kelle, whicb is reacbed by a descent of 100 steps in the calcareons rock, and presents an apartment 300 feet long by 270 feet wide; in its centre is a basin of limpid water abont 50 fcet dcep. S"ömmerda, 4 miles S.E. from Weissensce, on the right bank of the Uustrut, is a walled town with about 3000 inhabitants, who manufacture ironware, broadcloth, and spirits. Suhl, a mannfacturing town of 8000 inhabitants, on the Lauter a fecder of the Werra, is situated at the base of the Domberg, \& part of the Thuringerwald, in the former eounty of Henncberg, 7 miles N. by W. from Schleusingen. It is a well-built town with threo ehurcbes, a town school, and a poorhouse. The inhabitants are weavers, gunsmiths, or metallurgists. The industrial products are fustians, white lead, arms, hardware, sheet iron, dc. Iron mines are worked in the ncighbourhood. Tennstadt, 10 miles E.N.E. from Langensalza on the Schambach, a small feerlcr of the Unstrut, has sulphnreous springs, thrce ehurches, an hospital, and abont 3000 inhabitants, wbo manufacture linen, woollen cloth, and thread. There are tufa quarries and vineyards in the neighbourbood. Tenustadt is the birthplace of Ernesti, the great classical eommentator.

EHICHT, LOCH. [INVERNESS-SIIRE.]
ERIDANUS [PO.]
ERIE, LAKE [CANADA; NEW YoRK.]
ERRITH1. [KENT.]
ERIVAN, a town in Russian Armenia, is sitnated near $40^{\circ} 10^{\prime} \mathrm{N}$. lat., $44^{\circ} 32^{\prime}$ E. longo, abont 110 miles S . by W. from Tifis, on the Zenghi, wbich is here crossed by a handsome stone bridge. The town is built partly on a hill and fortified, besides being defended by a fort or castle whieb stands on another eminence, is strong by naturs on one side and defended on the other by mnd walls. Sher its capture by Prince Paskewitch the castle was not repaired,
but a fortress on a site less exposed to attack from the neighbouring hills has we believe been receutly erected. The ruins of the last Persiau governor's palace are seen on the steep side of the old fort next the river, which is rapid and not fordable at any season. A stonc bridge of a single arch is thrown across the stream just below the castle. Erivan is an ill-built place, but contains a large bazaar, several Armeniau churches, a Greek church, an Armenian convent, a public bath, and a few mosques. The site is unhealthy in summer. Caravans from Tiflis to Erz-rum pass through Erivan. The transit trade is considerablc, but mnch less so than when the town belonged to Persia Some cotton stuffe, leather, and earthenware are manufactnred. The town is of considerable extent, but probably does not contain more than 12,000 inhabitants, the greater part of its area being occupied by gardens, whicb produce fruits and melons proverbial for their excellence.
ERLANGEN, a town in Bavaria, in the circle of Middle Franconia, is situnted in a well cultivated plain, near the confluence of the Regnitz and the Schwabach, 11 miles N. from Nürnberg, 24 miles by railway S. from Bamberg, and bas a population of about 11,500 . It is divided into the Old and New Town, the latter of which was founded by Christian, margrave of Bayrcuth, in the year 1686 . It is surrounded by walls, and has seven gates. The Now Town is handsome, and regularly built. Erlangen has three Lutheran and two Reformed Lntheran churches, a Roman Catholic church, an orphan asylum, an infirmary, and a military hospital. The palace, whieh was partially destroyed by fire in 1814, bas been fitted np for the use of the Protestant university, which was founded by Frederick, margrave of Bayreuth, in 1743. The university of Erlangeu has faculties of Protestant theology, arts, and medicine, museums of uatural history, a library of upwards of 100,000 volumes, and a botanical garden. The average yearly number of students attending this university is about 350. On the revocation of the edict of Nantes many French Protestants settled in Erlangen and introduced various manufactures. The town has factories for weaving and printing cotton goods, and manufactnres stockings and bats on a large scale, also gloves, leather, tobacco, looking-glasses, linen, toys, \&c. Erlangen, together with the principality of Bayrenth, became an appendage of the Bavarian crown by the treaty of 1809.
ERLAU (Eger, Jager, Agria), a town in Hungary, capital of the connty of Heves, is situated on the Erlau, in a beautiful valley in the midst of richly cultivated lands, skirted by mountains crowned by woods and vineyards; in $47^{\circ} 53^{\prime} 54^{\prime \prime}$ N. lat., $20^{\circ} 21^{\prime} 53^{\prime \prime}$ E. long., and has abont 19,000 inhabitants, who are mostly Roman Catholics. The Erlaubach divides it into two parts, which are surrounded by fortifications about seven miles in circuit, through which are six gates. The majority of the inhabitants dwell in the suburbs outside the walls. Erlau was founded by Stephen, king of Hungary, who resided in it in A.D. 1010 , and made it the seat of a bishop; since 1803 it gives title to an archbishop. It coutains a cathedral, four Roman Catholic churches, two monasteries, a Greek chnrch, and a Protestant church. The houses in the town are large, and built in a neat style; the principal ornament is the university, a very handsome and spacious edifice, begun by Count Charles Eszterhazy in 1760, and finished in 1775, at a cost of upwards of $160,000 \mathrm{l}$. ; there is an observatory 172 feet high, a handsome chapel, and a very spacious examination hall and library attached to the iustitution. The university has faculties of philosophy and jurisprudence, conducted by 16 professors, aud is very numerously attended. Opposite the University stands the cathedral church, which has uothing remarkable about it; but the neighbouriug church of the Miuorites is a splendid structure. The archbishop's palace is a fine building situated on a hill. Erlau has a county ball, a high school, an ecclesiastical seminary, a traiuing sehool, several libraries, an hospital, and two mineral springs. It has also an extensive traffic in red wines, the produce of the vineyards in the vicinity. The manufactures consist of linens, woollens, hats, \&c.

ERMENONVILLE. [OISE.]
ElRNF, LOUGH. [Fermanagh.]
ERNEE. [Mayenne.]
ERPINGHAM, Norfolk, a village and the seat of a Ioor-Law Union, in the parish of Erpingham, is sitnated in $52^{\circ} 50^{\prime}$ N. lat, $1^{\circ} 10^{\prime}$ E. long. ; distant 16 miles N . from Norwich, and 122 miles N.N.E. from London by road. The population of the parish of Erpingham in 1851 was 436 . The living is a rectory in the archdeacoury and diocese of Norwich. Erpingham Poor-Law Uniou containg 49 parishes aud townships, with an area of 63,638 acres, and a population in 1851 of 21,409 . The parish church of Erpiugham is a massive structure, with a square tower: it bas been latcly repaired. The population is chiefly agricultural.

ERRUL. [Perthshire.]
ERZGLBIRGE (the Ore Mountains) is a mountain range in Germany, extending along the boundary of Bohemia and Saxony. It begins about 25 miles S.E. from Dresden, on the left bank of the Elbe, and extends in a west by south direction to the source of the White Elster, about $12^{\circ} 20^{\prime} \mathrm{E}$. long., where it is connected with the Fichtel-gebirge. The river Elbe divides its eastern extremity from the Winterberg, the most western of the mountains of Lansitz, or Lnsatia. Tbe Ore Mountains extend in length about 100 miles, and their mean width is abont 30 miles.
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The highest part of the rasge, which in towarls its eouthern border, forms partly the boundary-lluo between Bohetnia and Saxony, but is mostly within the formor kinglom. Its southern declivity, which to steep and scored by narrow valleyp, terminates in the ralley of tho riser Eger, about 10 or 15 miles from tho upper ranga The valley of the Figer lowere gradually from weat to enst, from 1100 feet to 400 feet abovo tho era. The northern declivity of tho ruge descends in more gentlo slopes lowarls tho great plain of Northem Germany; nnd theae alopes aro divided fromi ono another by wide aud open valleys. The undulating plain which lies contiguous to it may be from 500 to 600 feet above the lorel of the sen.

Tho higheat portion of the range occura on both sides of $13^{\circ}$ E. long., but rather to the went of it. Hero aro the Keilberg, 1212 feet, the Fichtelbergi 3968 feet, the Schwarzberg 39 SS feet, and tho Hassberg, 3245 feet abovo tho sea. Farther east and farther west the range gradually sinks lower, the Great Chirustein, on the banks of the Elbo, rising only to 1824 feet above the sers.
The range consints chiefly of granite and greiss, except along the Elbe, where sandstono almost exclusively occura. It is rich in metallic orea of almost every kind. Gold occurs in a fcw places The silvermincs are considerable, their annunl produce amounting to $i 20,000$ ounces ; the iron-mines yieid from 3500 or 4000 tous of iron. The tinunines of Saxony are the most valuable on the European continoast, and produce annmally 140 tons. Copper in not abundant, and tho nonual produce does not exceed 30 tous; but from the leadmlnes 400 or 500 tons are annually obtnined; and of cobalt 600 tons and upwands. Arseuic, briustone, and vitriol are likewiso abundant: and there is also quicksilver, autimony, calamine, bismuth, and manganese. Coal abounds in the reighbourhood of Dresden aud Z.wickan. Kaolin, or porcelain clay, occurs in layers six feet thick at Aue, about 12 miles S.F. from Zwickau, whence it is carried to Meisseu, aud there unod in the royal porcclain mannfinctory. Sereral kinds of precious stones are found, as garbets, topazes, tourmalius, neocthysts, beryls, jaupers, and chalcedonica.

The upper parts of the range are covercil with oxtensive forests, which furnish fuel for the great surelting-works. Ihe lower slopes and ralleys aro well cultivated, but the produce is not sufficient for the maintenance of tho great population which is cmployed in the minea and lu the mumerous manufactures of cotton, silk, and linen. Great quantities of corn are annually brought from the plain which lies to the north of tho rauge.
Six great roads pars over this rango, the most important of which are thos that connect Prague with Dresden and Chemuitz. Tho great railway from Vieuna to Dresden, through Prague, crosses tho Erzgeblrge at its eastern cxtremity, and runs at a littlo distauco from the left tink of the Fillbe. [Egerr; Bonemia.]
firzingan. [Armemi.]
GMZ RU'M, a town in Armenia, capital of an extensivo pashalic in Asiatic Turkey, is gituated in an extensive nud fertile plnin watered by the westeru branch of the Euphrates, which runs nt $n$ few miles' distance from tho town. [Armesia.] The population iu 1823, at the time of the Russinn invasion of Turkey, was estimated at about 130,000 ; in 1530 it did not exceed 15,000 , but was theu lucreasiug; In 1844 tho populntion reached 44,000 , and was atill on the increaso. Indeal the uuuber of inhabitants fluctuates cousiderably on nccount of the great number of strangers who arrive and dypart in the cararana The town is large, and is partly surrounded by an old castellated wall and a ditch. On ita southern skirts stands a citadel, cucircled by a double wnll flanked with towers very closo to each other, nnd with a ditch. The citadel hass four gatea, and incloses the palace of the pasha and a large part of the Turklsh population. But a large portion of Erz.rum is unwalled, and this part contains tho principal bazaurs and khaus. The atrects are narrow, dirty, and liko all Turkish towns iufeated by dogn. The houses for tho nort pint are low, and built of wooll, mud, or sun-dried bricks ; but the bayanrs nie extensivo, and well enpplic: with prorisions. Erz.rum has uearly forty mongnes, a Greek church, a largo Armenian church, a custom-houne, and numerous caravaneersis. Since its restoration to tho Turk by the peace of Alrianoplo, kirz-rum lins been slowly risintg from its atato of decny. Thefore tho 1 umsian invasiou considerable qumntition of silk and cotton eluth wero male here, nud much lenther was tnined; there wero also inportant manufactures of copper veascles. Bitsinco tho return of peace manufacturing linlustry has not recovered its former activity. The country aboust it produces nothing for export execpt com nid aheep and cattle. Tho curn is too beary an article to pay for convery ance to the sea in a conutry devold of ronds; the cittlo aud shecp aro ment ts Constantinoplo alive, or as dried ments. Tho commerce nat trannit trade of the city in extensirc, owlng to lis position on the great cararan-ronte from Constautinople and Trebizond to l'ersia and Menoposamin. The lenports comprise slanwls, silk gooda, cotton, tobacon, rice, Indiso, madder, rhuburb, \&c., from the enst ; nud brondcloth, clintzea, cutlery, and British manufnctures by way of Trebizoud. Tho antive exports, beailes those abore incutiould, are horsen, mules, and gall-nithe $A$ few furs are oxported to Rnamia
Erraruun standes in $39^{\circ} 59^{\prime} 30^{\circ}$ N. Int., $11^{\circ} 46^{\prime} 23^{\circ} \mathrm{E}$. long., at an clovation of $\$ 500$ feet (nomo may 7000 foct) abovo tho ser. Thio whiters aro long and oxtromely cold. [Aryexia.]
ESCAUT, L. [SCnELDR]

ISCHWFGE: [1/earr.Cassmen

ESCUIROLIDEK. [Allegr.]
ESENS. [ACMCHI.]
ESNEII. (1:arm.)
ESPALION. [Avernos.]
fispilite santo. [Bmazil; Ceba; Nem llemmdre]
1:SPIMT, ST. [BArowne]
FESQUIMAUX, the name of a peoplo that inhabite the most northern countrice of Aincrloa. On the enstern const of Ainerica they aro niet with ns far south as $50^{\circ}$ N. lat. on the ahores of tho Strait of Belle Islo. They occupy the whole of the great peaiusnla of Lanbrador and the whole castern coast of Hudaon's Bay up to Fast Main Itiver. On the weatern side of Iluclson's Bay they hinalit the cosst north of Churehill River, whence they extend northward over the Barren Lands to the Grent Fish River, or Thleweechorlezeth, ons both banks of which they are found enst of $100^{\circ} \mathrm{W}$. long. Tho wholo couvtry between this river, the Grcat Benr Lakio, the Mackenzio River, and the Arctic Ocean is cxclusirely iuhabited by them. The cunst Iying to the west of Mackenzie River is also in their possesslon ; and they seem to bo spread as fir as Kotzobuc Sound, on Behring Strait. They also occupy Greenland and all tho other islanils between tho northern coast of Amerioa and the pole as far as thoy are habitable.
In atature the Esquimaur aro inferior to Europeana. A person is rarely seen who exccels five fect iu height. Their faces are brond nurl round, cheek-bones high, cheecks rouud and plump, noso small, month large, and lips thick. Their eyca are in gencral of a deep black; hut some are of a dark chestnut colour: they appear rery small and deeply seated, owing to tho eyelids being much encumbered with fat. The bair is uniformly long, lank, and of a jet-black colour. The cars are situated far back on tho hend. Their bodies aro large, square, and robust, tho chest high, and shoulders very broad. Their hauds rud feet are in geueral remarkably sinall. They are of a deep copper colour. Some of thens wear loug beards; but for the most part the beard is plucked out as soon as it appears. They show a good deal of iugenuity in making their dresses nal instrumeuta.
Their language is differcut from that spokon by the other aavage nations who inhabit North America. The bame langrage is spoken by all tho differeut tribes of tho Esquimanx, though of course each of them has oxprossions which are peculiar.

## (Parry ; Mnc Keevor; Graah, Voyage to Grcenland.)

ESSEN. [DE:sseldonp.]
FSSEQUIBO. [Guyand, Barism.]
ESSEX, an linglish county, situated on the enstern const of tho island of Great Britain, aull lyiug between $51^{\circ} 27^{\prime}$ and $52^{\circ} 0^{\prime} \mathrm{N}$. Int., $0^{\circ} 4^{\prime} \mathrm{W}$. long., and $1^{\circ} 1 \overline{1}^{\prime} \mathrm{E}$. long. It is bounded $\mathrm{N}^{\prime}$. hy the county of Suffolk aud by tho county of Caunbridge, W. by Hertfordahire atul by tho conuty of Middescx, is. by the gradunlly widening restuary of the Thames, by which it is sepnrated fron tho conuty of Kont, and S.F. and S. by the Gerinan Ocenu. The length of a straight lino drawu from tho north-western to the north-enstern extremity of the county is 53 milen; but the northorn boundary of the county, following its turniuge, is about 75 miles; the length of a lino joining the north-western with the south-wedteru extreuity is 37 iniles; but the bonudary liue, from its many windiugn, extends to $53 \mathrm{mil}-\mathrm{s}$. Tho leugth of a line joining tho south-western to the north-enstorn extrenity of the county is 63 miles; but tho boundary nlong the bnik of the Thames and tho const of tho ocena is about 85 ruiles. The area of tho county is estimnted at 16.5 nquare milcs, or $1,000,549$ statuto acres. Tho populstion accorling to the roturn of 1851 was 344,979; in 1851 it wha $369,31 \mathrm{~S}$.

Coasts, Istands, dec.-The bnuk of the Thames and tho ses-const of Fiseex are inardhy almost throughout. The marshos oxtend inland in somo places over a brendth of four milea, in other places the brealth is rednced to a rery narrow strip. From tle ensteru cud of Canvey Ialaud the marshes censo; and about Leigh and Southend tho const risces into low cliffa. At Shoobury Nese, a low point of hud at the moisth of the Tlumes, 6 milos from the east end of Canvey 1 shmu, Where the const turns to tho north-enst, tho mnrahes re-appenr; an- 1 with an interval of nbout a mile just heyond Shoebury, they continno along the const 11 milex, to the mouth of the river Crouch. Nearly 4 milos from Shocbury n uarrow creek, with many ranifiontions, penctrates inland into tho chanacl of the siver Crouch, and with that river cuts off from the mainland several low flat islands, liusselya, llareu Coro, New Figland, Potten, Wallowen, nud Foulness. Tho edge of this creek and its various ranifications, ay woll ns of tho liroomhill nnd Crouch rivors, whleh uuite with it, aro cinbanked, and tho inlmadn aro cunbunked all round. From tho morth of tho Crouch the coast rims uearly north and south 8 miles to tho mouth of the Blackwntor Rirer. In this part of tho coast the ses encronches upon the laul. Tho masshes (Buruhan Mirrsh, Sonthminster Marml, Dengey Marah, Tillinghnm Marsh, and Bralwell Marsh), exteml in the eouthem parts nenrly 5 miles inlmad, hut gradually becomo narrow to the northward to Sit. Pet or's chnpel, where they aro intermuptel by tho higher ground running down to tho const; the sand, whioh is dry at low whter, has a bromith of from 2 miles to $2 \frac{1}{2}$ miles. Botweon the erstuarios of the Blackwater and the Colne, in the inlet formed
by their junction, the mouth of which iulet, from St. Peter's chapel to St. Osyth Point, is above 5 miles over, is the island of Mersey, separated from the mainland by a marshy tract and an intervening narrow channel. The marshes terminate 4 miles bejond St. Osyth Point, and (with a slightinterruption of a mile of marsh-land near the mouth of Holland Creek) a high brokeu coast cxteuds between 9 and 10 miles to the Nazc, the most eastern point of tho county. This point formerly extended much farther toward the cast. The ruins of buildings have been found at considerable distances from land; and a shosl called West Rock is 5 miles from the shore. From tho Nazc to Harwieh, between 5 and 6 miles in a direct line north and south, the coast forms an inlef lined by salt marshes, and occupied by Horsey Island, Holmes Island, Pewit Island, and one or two smaller islands. The sea-coast terminates at Harwich; but the æestuary of the Stour, which is in most parts more than a mile wide at high water, extends up to Catawade bridgo, above Manningtree.

The islands have been named in the course of the foregoiug description of the coast: we subjoin a few particulars of the chief of them.

Canvey Island is entirely marsh-land, bauked in all round. Its extreme length from east to west is 6 miles; its greatest breadth from north to south $2 \frac{1}{2}$ miles. Its area is about 3000 acres, chiefly appropriated to grazing sheep and cattle. It is counected with the mainland by a causeway leading to the village of South Benfleet. In 1841 the island contained 39 houses, aud a population of 277 ; in 1851 it contained 10 houses and a population of 111 . A timber chapel was built about 1622 for the use of some Dutchmen employed in embanking the island. The chapel has been twice rebuilt: the preseut chapel will hold 100 persons. A fair is held yearly on the ishand.

Foulness Island is sitnated on the shore of the German Ocean, and forms the right bank of the river Crouch at its embouchure. Its extreme length, from north-east to south-west, is almost 6 miles; its greatest breadth $2 \frac{1}{2}$ miles. Its area is about 6300 acres, with a population of 640 , almost entirely agricultural. The soil is good; the upper part produces corn; the lower part is used for pasturage. The louses are of wood-a material which is here liable to rapid decay. The church, also of wood, is situated near the centre of the island: it will hold 300 persons. A yearly fair is held.

Wallasea, otherwise Wallet or Wallis, is bounded N. by the river Crouch, E. and S. by tho Broomhill River, and W. and S.W. by Paglesham Creek. A causeway over Paglesham Creek connects Wallasea with the mainland. The greatest length of tho island is from east to west $3 \frac{1}{2}$ miles; its greatest breadth is a mile and a half. The water is too ealt to be fit for kitched use, and the inhabitants have to fetcli fresh-water from the mainland. The whole island is marsh-land; the area is 3255 acres; in 1851 it contained 13 houses, and a population of 133.

Potten Island, Haven Gore, New England, and Russelys or Rushley belong to the same group as the two foregoing; they are of small extent. In the crceks which surrouud or separate these islands are fed the small oysters called Wallleet oysters.

Mersey Island is bounded S. by the astuary of the Blackwater River, S.L. by the German Ocean, E. by the restuary of the Colne, and on all other sides by a creek, which, running through the marshes on its uorth-west side, separates it from the mainland. The greatest length of the island is from east-north-east to west-south-west nearly 5 miles; tho breadth varies from one to two miles. The island is divided into the two parishes of East and West Mersey or Mersea, of which East Mersey comprehends an area of 1957 acres, with a population in 1851 of 291 ; West Mersey an area of 3365 acres, with a population of 870 . There is a passage from the island to the mainland over the Mersey Channel, dry at low water, called the 'Strode,' or 'Stroude.'

Horsey Island is in that inlet which occurs between the Naze and Harwich. Its greatest length is from north-west to south-east about two miles; its greatest breadth rather more than a mile. It consists almost entirely of aalt-marahes : a spot rather more elevated than the rest, about one-fourth of the whole, on the south-west side of the island, is banked in. In the marshes there is a decoy for wild-fowl. The area is 1755 acres: the population in 1851 was 161.

Pewit Island and Holmes Island, with one or two others, are near Horsey : all these islands are separated from each other and from the mainland by narrow channels.

Surface, Hydrography, and Communications.-This county has few hills of any considerable elcvation; its general slope, as determined by the watershed, is towards the south and east; the coast and the banks of the Thames present a suecession of unhealthy marshes commonly known as the hundreds of Essex. High Beach, on the northwest side of Epping Forest, near Waltham Abbey ( 390 fect high), Langdon Hill, wouth of Billericay ( 620 feet high), Danbury Hill, between Chelvasford and Maldon, of nearly the same height, and Tiptrey Heath, near Witham, are probably the highest parts of the county. Tho chalk downs which form the continuation of the Chiltern Hills just cross the north-western part of tho county iu their extension towards the north-east.

The rivers of Essex arc-the Thames, with its affluents, the Lea (into which flows the Stort), the Roding, the Bourne Broos, the

Ingerburn, and some smaller streams; the Crouch, with its affluent the Broomhill; the Blackwater, with its affuents the Pods Brook, or Witham River, and the Chelmer (into which flow the Sandon Brook, the Ter, and some other streams) ; the Colne, with its affuent the Roman; the Stour; and the Granta or Cam. The Themes bounds the county on the south side. Its course, though winding, is on the whole nearly from west to east. It is a tidal river, and navigable for the largest merchant ships, and for frigates and other smaller ships of war thronghout that part of its course which belongs to this county. The mouth of the Thames contains numerous shoals. [Thames.] The Lea bounds the county on part of its west side. It more properly belongs to Hertfordshire, in which it has a considerable part of its course. It meets the border of Essex at the point where it receives the Stort, along which the boundary previously runs and flows south past Broxbourn (Herts), Waltham Abbey, Chiugford, Layton, and Stratford (all iu Essex), 20 miles, into the Thames. The banks of this river are marshy; aud the marshes are from half a mile to a mile wide. The stream is frequently divided and flows in several channels, and in some places cuts have been made in order to improve or shorten the navigation, which comprehends all that part of the river which is connected with this county. Tho Stort rises iu Hertfordshire, but soon enters Essex, through which it flows for some miles, and then touches the border again, and flows, sometimes on the border, sometimes in 'Hertfordsbire, into the Lea. Its whole course is about 24 miles, for about 10 miles of which it has been made uavigable. The navigation of the Stort and the Lea serves for the conveyance of corn, malt, wool, and other agricultural produce to London; and for the conveyance in return of coals, timber, deals, bricks, groceries, cloth, and other articles of daily consumption. The Roding rises in the western part of the county, near Easton Park, a short distance north-west of Dunmow : it flows southward about 15 miles to the neighbourhood of Chipping Ongar, where it receives the Cripsey Brook (about 9 miles long) from the north-west. From the junction of the Cripsey Brook the Roding flows south-west in a very winding channel I4 miles to Woodford bridge; aud from Woodford bridge it flows about 7 or 8 miles nearly south past Ilford and Barking into the Thames. Its whole course is about 36 miles. The banks are low and marshy from the neighbourhood of Ougar. The west bank from Ilford, and both banks from below Barking, are protected by embankments. It is navigable under the name of Barton Creek up to Ilford bridge. The Bourne Brook rises between the villages of Navestock and Havering-attc-Bower, and flows in a winding channel past Romford, and between Dagenham and Hornchurch Marshes iuto the Thames. Its length is about 12 miles. In the lower part of its course the Bourne Brook is connected with the pool formed by Dagenham Breach. This breach was occasioned in 1707 by the blowing up of a small sluice that had been made for the drainage of the land waters: an opening was formed by the rushing in of the Thames, 300 feet wide, and in some places 20 feet deep; 1000 acres of rich land in the adjacent levels were overflowed, and the surface of nearly 120 acres was washed into the Thames, where a bank was formed nearly a mile in length, and extending half-way ecross the river. After various ineffectual attempts, the breach was stopped, by driving dove-tailed piles and other expedients, uuder the direction of Captain Perry, who commenced his works in 1718. Within the embankment there is yet a pool of between 40 and 50 acres. Through the upper part of this pool the Bourne Brook flows. The Ingerburn rises near Havering-atte-Bower, not far from the source of the Bourne Brook, and flows southward, past Upminster, into the Thames. It is about 12 miles long. A strcam of about the same length, which rises close to Thorndon Park near Brentwood, falls into the Thames near Purfleet. The Crouch rises on the slope of the hills south of Billericay, and flows east by north about 25 miles into the sea. The tide flows about 13 miles up tho river and is kept from overflowing the lowlauds on its banks by mounds. In the tidc-way there are many arms; and the various channels by which the river communicates with the sea form tho group of Foulness, Wallasen, and the adjacent islands. Just above its mouth it receives the Broomhill Iiver ( 10 miles long), which is navigable for seven miles uearly up to Rochford. The Blackwater, which in the upper part of its course is called the Pant, rises near the village of Wimbish, in the north-western part of the county. It flows first south-east and then south about 30 miles, past Coggeshall to the neighbourhood of Witham. Here it is joined by the Pods Brook, a stream 14 or 15 miles long, which rises near Great Bardfield and flows past Braintree and Witham. From the junction of this stream tho Blackwater flows south about 4 miles to the junction of the Chelmer; after which it flows east about 12 miles into the sea, having a courso of about 46 miles. From Maldon, which is below the junction of the Chelmer, it is a tidal river; and its æstuary, which is at high water from a mile and a half to $2 \frac{1}{8}$ miles wide, contains the islands of Northey, Osey, Ramsey, and Pewit. Lawling Creek aud Goldhanger Creek aro channels in the ooze or strand of this tideway. The Chelmer rises near Debden, and flows south-south-east about 23 or 24 miles to the town of Chelmsford, where it in joined by a stream which rises near Thorndon Park and flows northward to Writtle, and then turns east, its wholo course being about 14 miles. From Chelmsford the Chelmer flows cast about 10 miles till it falls into the Blackwater vear Maldon. Its
whole courne is about 34 milen The Sandon Brook, which risen near Stock, \& miles northeast of Billericay, aud has a courno of about 10 miles, jolns the Chelmor between Chelmsforl aut Maldon. The Ter rises betweeu Felstead on the Chelmer and Ingne on the Foils Brook, and llows south-east 13 or 14 milea inlo the Cheluner, wbich It joins about 2 miles below the junction of the Sandon lrook The Colne rises in the north-western part of tho county, and flows east about 7 miles to the neighbourhood of Great I'eldham, where it is joined by anotber strean of nearly the ame length. From this junction it flow south-east 6 miles, then enst-south-east about 18 mile to Colebester. Below Colehester it becomes a tidewater aud flows 8 or 9 miles soutb-enst iuto the sea at the northenst end of Meney Island. Its whole course is about 35 miles. The Roman rises about 2 miles north of Cosgesball on the Blackwater, and flows cast by south about 13 milos into the tideway of the Colne, which it joins midway between Colehester aud the sen. A brook 8 or 9 piles long from Layer Marnes and Layer Breton joins the lioman nbout three milo above its junction with the Colne. The Stour may be conailered as equally belonging to Suffolk and Fesex. Of the threo springs which miay claim to be its sources, ono which flows past the tillage of heddington is in Suffolk; a second is in Cambridgesbire, and from it a stream flows by the town of Haverhill, ou the borders of Suffolk and Essex; the third spring is in Essex, nad tbe stream from it passes Stceplo Bumpstead. From the junction of these three streams, which takes plsce about 6 or 8 miles from their respective sourees, the river to its outfall divides the counties of Iissex and Suffolk. Its course is first cast about 10 miles to the ueighbourhood of Long Melford, above which it receives two small tributarics on the Suffolk bauk; thence its course is south by enst about 8 miles: then cast 13 miles to Catawade brilge, above Manningtree. Below Catawade bridge the stream widens into a considerable estuary, 11 or 12 miles long, and for the most part above a milo wide, which unites with the mestuary of the Orwell, a Suffolk river, and passes into the open sen between Harwich and Langunrd Fort. Its whole course is about 50 miles. Tho Cam rises near Debden, 4 miles from Saffron Walden, and llows first south-west for 2 miles, aud then tures north and flows 8 or 9 miles into Cambridgesbire, to which the prineipal part of its course belough.
The Thames and the Lea are navigable throughout that part of tboir course which belougs to this county; the Stort is navigable from Bishop Stortford to its jpnetiou with the Len. The tideway of the Cronch is navigable; near Burnham this river is a quarter of a mile wide, and lins depth of water nufficlent for a 95 -gun ship: a 74 might go almost up to Ifull bridge at the head of the tideway. The Blackwater does not appear to be navigable above the junction of the Chelmer. Vessels of considerable burden can get up to Maldon at spring tides. The Chelner is navigable to Chelmsford. The navigation of the Colne extends to Colchester. The Stour is narigable up to Sudbury. Fassex has no navigable canala.

The principal roads in the county are the three roads from London to Norwich, by Ipawich, by Bury, and by Newmarket. The road by Ipswich enters the county at Bow bridge, aud crosses the county in pearly its greatest extent from south-west to north-cast, passing through the market-towns of Romfori, Chelmsford, Witham, and Colchester, 7 if miles beyoud which the road crosses tho Stour at Stratford bridge and cuters Sunfolk. The roed through Bury brauches off from the lpswich roal at Chelmaford, and passes through the towns of Lraintree and Halsted, 8 miles beyond wbich the road croases the Stour into the town of Sudbury in Suffolk. The road by Newmarket branches off from the Ipswieh road at Stratford, crosses part of Epping Forest, and runs through the town of Epping, about 7 milea beyond which it crosses the Stort iuto llertfordshire ; between 29 and 30 miles from London it re-cronses the same river into Essex, runs nortbward near Saffron Walden, and fnally quits tho county at tho village of Great Chesterford, 45 miles from Loadon. Namerous roads of minor inportance traverse the county.

Tho liastern Countics railway is the only railway which passes through fiesex. The main line cnters the county at Old-Ford; at Stratford it turne northward, and continues for some 17 uiles along the valley of the Len, but for the greater part of the way on the Ilertfordohire side of the river. At IRoydon it enters the valley of the Stort, along which it runs to Stanstead, 14 miles, partly in liseex and partly in Herta. It then runs due north quitting lissex at Great Chenterford. The Colcheater lino traverses tho county in a northcantern clirection and leaves it near Manningtree, 55 miles. Frum Stratford a branch runs to North Woolwich, 5 miles. Near Ilford a braneh runs southeant to Weat Tilbury, and is to be continued to Southend. From Witham, on the Colehenter line, a brancb runs nortlweat to Braintrec, 12 miles ; and another south-mouth-east to Maldon, Si milen From Mark: Toy, on the same liue, a branch runs nortb. north west to Sudbury, 11 milea $A$ branch in in course of eoustruction from Manningtree to IIarwich, about 12 miles.

Gcological C'haracter.-A eunsidorable tract iu the northera part of the county, stretching along the river Stour from the village of Keddington to betwcen Sudbury and Noyland, and extending for zome dintance Into the Interior of the county, is oecupied by diluvial beds, condeting of loam with frignenta of cbalk. The const of the north. cant part of the connty is covered with the mand or grivel of the
upper mariue formation, whieb occupies a convidermble part of the comatien of Norfolk and Suffolk, and la locally doaignated 'crag.' At the headlaud of the Naze it constitutes about 30 feet of the upper part of the eliff (whicla are about 45 feet ligb) reating upon the Loudon clay: month of the Naze it thickness appears to sary from 10 to 40 fect. ln the projecting cliff of Marwich it inclutes friablo masses of ferruginous snud, somewhat cemented together, and inclosing shells. Fragments of fossil bones washed out of the strata of this formation, in which tbey had been imbedded, are found on the benel at Waltan, but occur iu innch greater quantities at IIarwich. The eliffs soutb of tho Naze consint of freal-water deporite, which contain shells and mammalinn remaina. In the valley of the Stour, while excavating for the Stour railway uear Mark's Tey, fossil elcpbanta' toeth were found.

The greater part of the county, iucluding Fpping and IIainault or Heubault Forests, is occupied by the London clay. The London clay of the cliffs near Harwich contains beds of stratified limestone: the samo cliffs are very productive in the fossila with whleh this formation abounds. South of Walton, near the Naze, nbundance of septarin are found, which are sent by sea to Harwich, where they are unanu. factured by government into a cement. The principal elevations in the county, High Beach, Langdon and Danbury Hills, and Tiptree llenth, are formed of London clay. The surface of the vegetable mould commonly rests on allurial beds of rich marl and loam, which often alternate with gravel and saud, and sometimes have a tbicknens of 30 or 40 feet over the London clay. The sands and clays of tbe plastic clay formation skirt tbe district of the London elay on the north-west Halsted aud Coggeshall, with the intermediate tract, are both on the plastie clay. The border of Essex, near Hadloigh, is the most northerly point at which this formation has been fouud. Tho northwestern extremity of the comity, about Saffron Walden, consists of chalk: the grent chalk district, in its exteusion from south-west to north-enst, just crosses that part of tho county. The chalk appears also at Purfeet, where is an cxtensive cbalk pit, and Gray's Thurrock, on the banks of the Thames. A subterranean forest underlies the marshes ou the banks of the Thames.

Climatc, Soil, Agriculture. The climate of Essex is favourable to regetation: the sea and the numerous estuaries which bouud it on the south and east soften the rigour of wiuter, and keep up a certain degree of moistnre in summer. Tho same cause produces cold fogs and oxhalations in spring and autumn, which are prejudicial to the bealth of those who are not inired to the climato, but improved drainage and the disappearance of the woods before the advanee of cultivation, have diminished the soures of unheslthiness. The soil all along tho const, and 10 or 12 miles inland, is a frinble loaun of greater or less tenacity in differeut parts, but peculiarly adapted to the cultivation of wheat, beans, and oats. The Isle of Merscy, whicb lies at tbe mouth of the Colne River, has been long noted for the fertility of its soil, which is a fine alluvial loam composed of the various carths deposited from the river and the sea, liko the warp lands along the Humber, or tbe polders in the Netberlands. The bost soils of Essex lie low, and require to be protected from the sea by ombankmeuts. Many marshes which formerly produced nothing but herbage, and wero subject to inundations, are now couverted into arable fields : aud a great tract of land, all along the const, which used to be covered by the sea at higb tides, is now hid dry by proper deop and broad ditches, bere called fleets, and protected by high and well-constructed sea-walls. Iu soune of these marsbes the want of frosb water in summer was often felt severely. But recourse has been bad to boriug, which has becu attended with great success, especially in the marabes at St . Obyth, where tbe fuest springs of water have been found, which flow over the surface, and kecp amplo reservoirs continually full. The depth at which the water was found did not exceed 50 feet. The soil in the uplands along the coast consists chiefly of good loams rarying in tonacity from a strong clay to a light gravel; most of it is of such a uaturo as to bear both turnips and bans. The whole county has an undulating surfaco which is very pleasing in districts where fields and woods are interspersed. The only level tract is that along tho Thames, whichextends to its moutb and along part of the nouth-enstern coast. Clay soils prevail in most parts of the conuty. There are few such light soils in Ensex as there are in Norfolk and in Lincolnshiro; and except on the borders of llertfordshire and Cambridgeshire chalk and marl are rare.

In thoso farms wbich have marshes attacbed to them numerons cattle are kept, and tbe straw is converted into manure, by which the arable land is kept in a ligh state of fertility. Aloug the Thannes tho salt-marshes are cxtonsive, and are profitable frou the number of borsea which are sent from London to fecd there, after thoy have beou over-worked and require rest, or wben they lave met witb some accident. In somo cases oxen and sheep are fed ou the marshes.

Lesides the crops usually eultivated a considerable quautity of cole or rapo-sced is raised on rich alluvial soils, It is a profitable crop, owing to the abundant supply of manure brought from London by the Thames. lilax is not cultivated to any great extent, and very little hemp is sown. Somo hops are rainod in the weatern part of tho county Lowaris Caubridgeshire. The cultivation of carraway, corinnder, and tenzles is almont peculiar to this county.

In that part of lissex wheh lien within a few uilea of London the
cnltivstion of the soil partakes to a great extent of the gardeu culture. Vegetables are raised in great quantities, and very extensive fields are almost entirely devoted to the raising of potatoes. The ground is ploughed and very highly manured with stable dnng from London. Mangel murzel for the London cowmen is also raised in considerable quantities. The meadows within 15 miles of London supply the Whitechapel market with hay, and every cart brings back a load of dung.

The cows and horses in Essex are chiefly reared in Suffolk, and Scotland supplies oxen for fattening. In some parts of the county there are a few large dairies; but in general the number of cows kept on a farm is not considerable. Many calves are fatted, which are killed in the country, or sold at Romford to London butchers. Shecp are kept in large flocks and with considerable advantage. By means of draining the land has been made capable of being folded over even in winter. Essex is not a sheep-breeding connty, although many fine lambs are reared; but they aro generally bought from the breeders in Wiltshire or Sussex in autumn and sold fat to the butcher in the succeeding spring. There is no pecnliar breed of horses. The Suffolk punches are in general use for farm work, and it is scarcely possible to find a breed better adapted for every kind of work. Essex has been long uoted far a superior breed of pigs, which has been produced and improved by crosses with foreign brecis, chiefly the Neapolitan and the Chinesc.

Divisions, Towns, dec.-Essex is divided into 20 parts, of which 19 are called hundreds, and one, that of Havering-atte-Bower, a royal liberty. We subjoin a list of these divisions, with their situations:Barstaple, S. ; Becontree, S.W.; Chafford, S. ; Chelmsford, Central ; Clavering, N.W.; Dengey, or Dengie, S.E.; Dunmow, Central; Froshwell, or Freshwell, N.W.; Harlow, W.; Havering-atte-Bower, S.W.; Hinckford, N.; Lexden, N.E. (Colchester division and Witham division) ; Ongar, Central ; Rochford, S.E.. ; Tendring, N.E. ; Thurstable, E.; Uttlestord, or Utelsford, N.W.; Wal tham, W.; Winstrce, E.; Witham, Central.

There is no city in Essex. There are 19 market-towns: 3 of these are parliamentary borougbs-Colciester, on the Colno; Habivicr, at the mouth of the Stour; and Maldon, on the Pant or Blackwater. Chelasford, the county town, is on the Chelmer. Of these places, as well as of Barkino, on the river Roding; Ballericay, on the road from London to Rochford; Braintree; Brentwood, on the rond to Chelmsford; Cogoeshall, on the Blackwater; Dunmow; Eppisa; Halstend, on the Colne; Lexden, on the Colne; Owgar, on the Roding; Onsett, on the road from Romford to Southend; Rociford, on the Broomhill River; Romrond, on the Bourne Brook; Saffron Waldes, on one of the feeders of the Granta or Cam; Tendrino, on a mall river which flows into the sea at Ifolland Creek; Tuaxted, on the Chelmer; Walthay Abbey, on the Lea; Walthamstow, on the Lea; West Ham, on the Lea; Wenstree; and Witham, a markettown on the Brain River-sn acconnt is given under their respective titles. Of the other towns and more important villages an aceount is subjoined; the populations given are those of 1851.

Burnham, 19 miles S.E. from Chelmsford, population of the parish 1869, is on the left bank of the river Crouch, which is navigable a considerable why sbove Burnham: there is here a convenient quay. The oyster-fishing employs many of the inhabitants. There is a good coasting trade. Besides the parish church, which is about a mile from the port, there is a chapel for Dissenters. A ferry maintains communication with Wallasea and the other islands at the mouth of the Crouch.

Dagenham, 22 miles S.W. from Chelmsford, population 2494 : the lower part of the parish is a msrohy district on the left bank of the Thsmes. The great breach made in the embankment in 1707 has been already noticed. There are National and Infant schools.

Gray's Thurroek, on the left bank of the Thames, 24 miles S.S.W. from Chelmsford, population 1713 , consists chiefly of one irregular strect on a creek of the Thames, acceasible to hoys and other small vessels. The church is cruciform, with a tower on the north side. A considerable amount of trade is carried on. The msrket on Thursday is chiefly for corn ; there are two yearly fairs. Brick-making is extensively carried on. Belmont Castle, a fine mansion in the vicinity, affords extensive river and inland vicws. In the adjoining parishes of Little Thurrock and Chadwell are some remarkable caverns or holes in the chalk, to which tradition has assigned the name of 'Cunobelin's Gold-mines.' They are also called 'Dane-Holes,' from having been used by those invaders as lurking-places or receptacles for plunder. There is a station of the Southend railway at Grays.

Jfadleigh, 16 miles S.S. E. from Chelmsford, population of the psrish 412, formerly had a market which has been discontinued. The church is an ancient edifice in the early English style. Near Hadlcigh are the ruins of a castle built by Hubert de Burgh.

JIarlow, 17 miles W. by N. from Chelmsford, population 2322, was formerly the seat of a large woollen manufacture and of a considerable trade. The church was originally cruciform, with a central tower rising from tho interzection of the transepts; but having been much injured by firo in 1711, a cupola was substituted for the tower: the church is adorned with much painted glass. A new church was opened in 1842. Therc is a chapel for Japtists. A small market is held on Wednesday. There are threo considerable fairs in the year for Loraca
and cattle. A sum of 8000 l ., bequeathed by Mr. George Fawbert, has been vested in trustees for the establishment of a day school and lihrary at Harlow, and for apprenticing or otherwise benefiting those educated at the school. There are also National aud British schools. Brewing, malting, and rope-making are carried on.

Hatfield, 11 miles N.W. from Chelmsford, populatiou 2034, is on the Pincey Brook, which flows into the Stort. This place was formerly part of the royal demesne, from which circumstance it was called Hatfield Regis: its other designation of Hatfield Broad Oak it obtaiued from a large oak supposed to have flourished here in the Saxon times. Aubrey de Vere founded in 1135 a Benedictiue priory at Hatfield. The church has a western tower and a large porch in the perpendicular style ; other parts are more ancient. The Methodists have a place of worship. There are a National and a Charity school.
The Hedinghams formerly constituted one parish; from the time of Henry III. they appear as two: Sible Hedingham, on the right bank of the Colne, 18 miles N. by E. from Chelmsford, population 2346 ; and Castle Medingham, on the left bank of the river, 1 mile farther, population 1394. Sible Hedingham church is a neat building of the time of Edward III. A castle was built hero by the De Veres abont the beginning of the 12 th century. The De Veres retained the csstle until 1625. The keep, the only part remaiuing, is one of the bestpreserved Norman keeps in the kingdom. The building forms a parallelogram, 55 feet on the east and west sides, and 62 feet ou the north and south, and is upwards of 100 feet high. Castle Hedingham church is of stone with brick battlements, partly in the Norman and partly in the early English style: the tower is later. In the chancel is a supcrb but somewhat mutilated monument of John de Vere, earl of Oxford, who died in 1539. The Baptists have a chapel. There is a National school at Sible Hedingham. A Benedictiue nunnery was founded here in 1190. Coach-making, malting, brick-making, and gardening give employment to some of the population.

Ingatestone, on the London road, 6 miles S.S. W. from Chelmsford, population 860 , had formerly a considerable cattle market, and has still a large cattle fair. The church coutains several monumeuts of the Petre family. There are here a chapel for Independeuts, a Charity school, and an almshouse. Ingatestone Hall, once the seat of the Petre family, is an irregular pile of ancient date.

Manningtree, on the astuary of the Stour, 31 miles S.E. from Chelinsford, population 1176 , is a small place, neat aud clean, though irregularly laid out. The church, built out of the ruins of a nore ancient one, was enlarged in 1839. There are chapels for Independents, Quakers, and Methodists. A market is held on Thursday for corn and cattle, and a fair on Thursday in Whitsun week. $\Lambda$ considerable trado in malt is carried on; and corn, coal, deals, and iron are imported.

Mistley, adjacent to Manuingtree, is 32 miles S.E. from Chelmsford : population, 1516. Mistley Hall, the seat of the Rigby family, stands on an eminence in the midst of gardens and plantations elegantly laid out. On tho bank of the Stour is a quay with warehouses. Shipbuilding, sail-making, and mslting are carried on. A considerable number of good dwellings has recently bcen built in the ueighbourhood.
Newport, 22 miles N.W. from Chelmsford, population 898, formerly a market-town, is situated on the Granta, where that river turns northward towsrds Cambridgeshire. There is here a station of the Eastern Couuties railway. Three annual fairs are held. The church, which has a lofty tower, is in the highest part of the town. The Free Grammar school, founded in 1586, has an income from endownent of 200l. a year, and had 48 scholars in 1853. Some vestiges remain of St. Leonard's Hospital, fonnded in the reign of King John. There is a house of correction at Newport.

Raleigh, or Rayleigh, 15 miles E.S.E. from Chelmsford, population 1463, was one of the numerous lordships of Suene, who having joined the Conqueror at an early period was allowed to retain his possessions. IIe built a castle here, of which some earth-works remain. The village onsists of one wide street of considerable length. At the upper cud is the church, an edifice principally in the perpendicular style, with some portions of an earlier date. The Baptists liave a chapel. The weekly market has been given up. There is a fair for cattle and horses, which is well attended. Lime-hurning is carried on. In the neighbourhood are several good family residences, and some well-laid-out nursery grounds.
Roydon, or Woodredon, on the left bank of the river Stort, just before its junction with the Lea, 25 miles W. by N. from Chelmsford, population 902, was formerly a market-town: a station of the Eastern Counties railway is at Roydou. The parish church has an embattled tower.
Kirby le Soken, Thorpe le Soken, and Wallon le Soken form a district called 'the Sokens.' The word Soken is derived from the Saxon Soc, or Soca, signifying both the power to administer justice within a certain limit, and the circuit within which such power was exercised. The villages possess somo peculiar immunities, to which they owo their designation. Ruins of buildings have been discovered under the water, particularly on a shoal called the West Rocks, nearly five miles from the slore, which is left dry at great ebbs. The wall thrown up to keep out the sea gavo namo to Walton parish. There is a church in eacl parish; thnt at Thorpo is the lsrgest. The Baptists have a
clapel at Thorpe A customary market is beld them on Wodnearlay eroning．Waltou pomemes a firm aud extensive beach，anel is resorted to for bathing hy invalils froun the enstern parts of lines．Crescent lier at Walton is neat and oonvenionh Itasioles the pariulh church， erected about the commencement of the growent contury；there are at Walton a chapel for Indepenilenta mud an Infant school．The jopis－ lation of the three parishes in 1851 was as follows：－Kirby， 932 ； Thorpe， 1294 ；Wialton， 229 ；total， 2955.

Slamsted Morkichet，on the lef bauk of the river Stort，is 20 miles X．W．from Chelrosforl，on the Nowmarket rond：population， 1719. It consists maisly of two strects containing some good bousce． Montfichot was tho sumame of William Gormon，who huilt a castle hero shortly after the Conquent．The elsurch was erceted in 1692. Thoro are Mritish and Freo achoola A fair ie held on 3fay lst．Some Dour－mills aro in the neighbourhood．Browing and malting are carried on．

Il＇ritte，abont 3 milen W．from Chelmaford，population 2423，was fommerly market－town，but declined as Chelinsford rose into import－ ance．A aquare plot of ground with a mont round it，in which the foundations of a building wero dug up in the last century；is supposed to have been the site of a palace of Kiug John．The church contains many elegant monuments．There are here National and Freo schools， and almohouses for six poor permons．Malting and hrowing are carried on．Some corn－mille are in the vicinity．

The following aro sonde of the more importent villages，with the population of the sevoral parishes in 1851，and a fow other particulart ：－

Ardleigh， 27 miles S．E．from Chelmsford，population 1737 ；chiclly agriculturnl．The church has a south aisle aud a handsome tower． Aahdon， 30 miles N．N゙．W．from Chelmsford，population 1238，is sup－ posed by some to havo been the scene of a battle between Edmund Ironside and Canute；but the battle was moro probahly fought at Ashingdon，near Canewdon．Areley，on tho Marditch river， 26 miles S．S．W．from Chelmaford，formerly narket town ：population 811. There are chnll pits in the vicinity．Great Budulow，if miles E．from Chelmsford，population of tho parisb 2122．Little Baddor， 4 miles EN．E．from Chelmsford，population of the parisb 022 The church of Great Badulow is an ancient buildiug with a square tower，iu which are eight belle．There is a Froe school．A brewery and mome corn mills are in the parish．Little Daddow is on the river Chelmer；the parish cburch is a good huilding with a tower．There aro mome good residences in the neighbourhood．Great Bardfield， 16 miles N．by IL from Chelmsford，is on the right bank of the Pant or Black water，over which ie a brick bridge：population， 1110 ．A market formerly held here has been long discontinued．Thero was a church at Great Bardficld previous to the Norman Conquest．The Grammar school， fonnderl in 1584，had 80 echolars in 1850 ．The income from endow－ unent is a rent charge of 10 a year．The classics aro not now taught in the school．Great Bentley， 20 miles N．E．by E．from Chelmsford， population 1025 ，is an aucient village，pleasantly situated on the left aide of Brightlingses Brook．Tho church is built of flint and atone， and lias a tower at the west end．There are here a chapel for Wealeyan Methodists and a National school．H＂est Berghole，thus dintinguished from East Bergholt in Suffolk，is 21 miles N．E．from Chelmaforl：population， 852 ．The manorbelonged in the 17 th cen－ tnry to Sir John Denham the poct．The south aislo is separated from the nave hy strong Jorman pillars；on the church are a small turret of wond and a shingled spire．The Wesleynn and Primitive Mothodists have places of worship．There are three almshouses Brieks are made，and there are some corn－mills in the viciuity．Great Birch and Little Birch， 18 miles N．E．from Chelmford：population of the united parishes 962 ．The two villages are nhout a milo aparh The church of Little Birch is in ruins．The clatch of Great Birch consiste of a nave aud cbancel and a stecple．There are some ruins of an ancient castle．In the vicility are corn－mills，and malting is carried on，Blackmore， 8 miles S．W．hy W．from Chelmaford：popu－ lation，704．Some ruins exist of a priory，established here for Augustinian canons in the 12 tb contury．IIenry VIII．froquently risited this place．Brickmaking is carried on．There is an Infant achool Borehem，an ancient village about 3 miles N．E．from Chelms． ford，popnlation 1040，occupies an elevated site；in the neigbbourhood ere extensive plantations．The parish church has an ombattlod square tower．Ihoreham IIouse is near the village．New IInll，nown Roman Cotholio Numory and edncational catahlishment，was a royal remidence in the roigns of Ifeury VII．and IIenry VIII．It contnined 107 inmater in 1851．Bradvell－nert－Sea，or next－Tillingham， 24 niles 1． from Chelmaford，population 1143，was a Romnn station：tho sea has
hero marle considerable luroadn upou the land．The chureh has a hero made considerable luroadn upou the land．The church has a ntone tower with a lonty spire．Thore is a National achool．The villags in on elevated ground，and commands extemaire sea－views．
Rrightingsea is on the watuary of the Colne， 32 milea lis hy N．from Brighlingsea is on the reatuary of the Colne， 32 miles lis hy N．from alvent at the oyster fishery when the Crnaus wan taken．The chief oocupatiou of the inhahitants is furnished ly the oyster and sprat fiabery．Upwaria of 400 persons aro maid to bo licenned to engage in thin branch of industry：the mattern connectod with the finliery are managed by a jury of if with a foreman and trearurer．Noro than
anchorage for vemels of couviderable lurden．The parisb forms a geninsulon murrouulod by the marshes of tho Coluo and ite inletn， oxcept on the northeant side．The churel tower， 04 fout in haight， in a pronsinent mod－inark．There aro a clapel of ense，in Wasleyan Jethodiet，and two other Dimenting chapels ；a National school，and a temperanca hall．Trightlingea is a metuler of Sandwich in Kent， one of the Cingue Porta．＇Ihe population has donbled within the prebent ceutury．（ireat Bromley and Liftle Bromley are about a inile apart and about 27 mile N．lis from Chelmaford：population of Great Bromley ${ }^{2} 07$ ，of Littlo liromley 405 ．Two mmall brooks riso bere which run luto the Colve．The pariah church of Cireat liromley is a landsome huilding；it las a beautifully wrought roof，and some fine stained－glase windows．The tower is of considerable hoight． Ifelion Bumpatcad， 25 milan N゙．hy W．from Chelunford，population 951，is pleasantly situated on the Camluridgeshire boriter．The chnrch is an ancient edifioe，and coutains onse interesting monu－ meuts．Stecple Bumputead，it miles N．hy W．from Chelmaford， propulation 1295；also called Buupatend ad Turrim，or Little Bumpstend．The manor belongerd to Eidith，queen of Edwanl the Confessor．The parish churcb and school－house are both ancient In the neighbourhood aresome romaius of entrenchnents．liope and twiue making are canvied ou，and there are corn mills．Bultabury and Stock，two contignous villages，usmally regarded as conjoined， about 5 miles S．by 15 ．from Chelunforl：population of Buttabury parieh 506 ，of Stock 702 ．I3otlı villages are aucicut．Stock sometimes receives the name of Harford or IIerwardstock． Butlabury clurcb，a rery small building，with a square tower con－ structed of llint and stone，formerly belonged to tho nunnery at Stratford－lo－Bow．Tho church at Stock is ancient，and has several tomhs and brasees．A euperior quality of earth whicb is found here， is inanufactured into the kind of bricks called Stock bricks．There is a National school．Canenoden，on the right bank of the Crouch， 20 miles S．E．from Cholmeford：population，702．Roman antiouities have been found here，and the remains of an encampment exist＂It is sup－ posed that Canute resided at this place，from which circumatance it is said the umme has been derived．The village being ou elevated ground affords extensive aud benatiful prospecta．Ashingdon，supposed to he the field of battle hetween Canute and Edmund Ironside，is at a short distance．The church is aucient；it is built on Canewdon Hill，and has a steeple it feet high，which is a prominent landmark for the district．A fair is held yearly on Juue 24th．Great Chesterford，an anciont village on the right bauk of the Cam， 32 miles N．N．W．from Chelmeford，population 1024，was a Roman mation．Coins of several of tho Roman emperors have been found．Great Chesterforl had formerly a market The tenure of land here is that of＇borough English，by which an estate falls to tho youngest son or kingman Thero are National and Iufant scbools．Chigwell， 20 miles S．W．from Chelmsford，population 1905 ，is situated on the left bank of the river Roding，near Epping Forest，lroun Chigwell Row a most extensive view is oblained over the eouth of Lissex and the Thames into Kent． An Endowed Grammar achool，fouuded in 1629 by Archhishop Liars nett，is free to 24 boys belonging to Chigwell and three neighbouring parishes．Many gentlemen＇s seath are iu the viciuity．The［mrish elaurcb，an ancieut orlifice，has at the south door a Norman arcle． There are National and In fant schools．At Chigwell Row is an Iude－ pendent chspel．A cousirlerahle extent of ground is laid out in purserien and market－gardens．Brewing is aarriod on．Chingford，on the left bank of the Lea， 28 miles $S . W$ ．by W．from Chelmaford，popu－ lation 963 ，occupies a pleasaut situation to the weat of Epping Forest． The parish church is a neat atructure，recently erectert on the site of an ancient church．There is a Nintioual school．The Colnes：four villsges boar this umme：－Earl＇s Colne，on the river Colne， 20 miles N．1．．by N．from Cliclmaford：population，1518．The church，orocted in 1532 ，hns a tower iu which aro six bells The Baptists and Quakers have places of wormhip．Tho Grammar wchool，fouuded in 1520，has an endowinent producing 2002 per annum，and is free to 42 boys from Earl＇s Colne and five neighbouring parishes．The nuenber of seliolara in 1853 was 30．There are National，British，and Infant wchools Some remain are tracesble of a priory founded at the close of the 11th century．The parish has six almohousen．Au aunual fair is held on March 25th．Colne Engain，on the left bank of the Colne， abnut a mile N．W．from Earl＇s Colne，population 670 ；Walc＇s Colne，on the left bank of the river， 2 nilos F．from Earl＇s Colue， population 199；l＇hite Colne，alout A mile N．E．from Karl＇s Colne， population 458．Danbury， 5 miles lỉ．by S．from Chelmaford，popula tion of the parish 1221，supposed to be mamed from tbo occupation of the place hy the Danes；remains of an encampmeut and military works aro in the vicinity．The village is built ou the side of tho higheat hill in tho connty ：extensive proapects may bo obtained from the summit of the hill，on which is the church．T＇be church tower is murmounted with a lofty wooden spire，which，thougb sereral miles distaut from tho const，is useful an sea－mark．Somo curiously． carrod figure of cromed－legged knights aro in thin church．There are hero National aud Infant achools．Lebden， 21 miles N．W．Ly N．from Chelmaford，population 1031，is a sunall village scated on clevated ground．Tho ehurel was originnlly cruciform with a central tower； Dut the tower having falleu down，whs uot reatored．There aro a Frea achool and some mmall parochial charities．Dedham，on the right
bank of the river Stour, 28 miles N.E. from Chelmsford: population, 1792. This village was, in the 12 th century, one of the chief seats of the clothing trade: it was at ono time a market-town. The church is a commodious edifice of tho perpendicular style, and has a tower of considerable height. There are a chapel for Independents, a Free Grammar school, founded in $15 \%$, and an assembly room. A fair is held on Easter Tuesday. Great Euston, on the left bank of the river Chelmer, 14 miles N.N.W. from Chelmsford : population of the parish, 937. The parish church is a plain edifice, situated on a hill. In the southern doorway is a semicircular arch. There are Cbarity schools. Little Baston, on the right bank of the Chelmer, 13 miles N.N.W. from Chelmsford : population, 396. The churoh, an ancient edifice, has a equare tower. On the south side of the chancel are numerous splendid monuments of the Maynard family. Easton Lodge and Park, in the vicinity of Little Easton, are the property of Visconnt Maynard. Elmstead, 27 mileo N.E. from Chelmsford: population, 908. A market was obtained for the place in 1253 , but it has been long discontinued; the church, which is ancient, has at the west end a diminutive tower, its top being not higher than the walls of the church. A yearly fair is held. Felstead, 10 milee N. by W. from Chelmsford : population, 1715. The parish church, which io situated on high ground, has an embattled tower. In the church is a monument to Riclard, Lord Mich, who died in 1567, the founder of the Free school aud almshouses. The Free Grammar school and almshouses were regulated anew by an Act of Parliament passed in 1851. The income from the estates is now nearly 2000l. a year. The number of scholars in 1853 was 61 . Dr. Isaac Barrow and three sons of Oliver Cromwell were educated at this school. In the vicinity are the remains of Leee priory, oome parts of which are now used as a farm-honse. Finchingfield, 18 miles N. by W. from Chelmsford: population, 2594. There are here, besides the parish church, a chapel for Independenta, a Free achool, an Infant school, almshouses for widows, and an apprenticeship fund for the benefit of free scholarg. Numerous hop-gardens are in the vicinity. Great Fordham, on the left bank of the river Colne, 21 miles N.E. by N. from Chelmsford, population 740 , eo called from a ford over the Colne. Tho parish church has a tower, surmounted with a lofty epire. There is a ehapel of the Conntess of Inntingdon's Connexion. Fryerning, 7 miles S.W. from Chelmsford, population 743 , an ancient village; the manor once belonved to the knights of St. John of Jerusalem. The chureh has a brick tower. Madstock; on the borders of the county, close to Cambridgeshire, 26 miles N.N.W. from Chelmsford, population 576, had a market granted to it in 1337, which is not now held. The chnrel is cruciform, with a central tower. There is a Frce school, Havering-atte-Bower, 18 miles S.W. from Chelmoford, poptlation 423, on the river Roman, otherwise the Bourne Brook. There is a National school. Tho early kings of England, among others Edward the Confessor, of whoso palace remains may be traced, frequently resided here. Many fine residences are in the vicinity. In the ncighbourhood are brickfields, hop-gardens, and a brewery. Henham, or Henham-on-the-IIill, 19 miles N. W. by N. from Chelmsford: populatiou, 911. The parish church, a coinmodious structurc, is seated on a coneiderable eminence; it has a tower, surmounted with a lofty epire. There is a National school. Hornchurch, on the Bowles Brook, 19 miles S.W. by S. from Chelmsford : population, 2378. In Heury III.' time, the principal street was ealled Pell-street, from the peltmongers, or skinners, who carried on businees there. The chnrch is a commodious structurc. Brick-making, brewing, and raalting are carried on, and there ls an exteneive manufactory for agricultural implements. Horndon-on-the-IIill, 19 milcs S. by W. from Chelmsford, population 532, is eituated, as its name imports, on an eminence, from whence there is a fine view of the shipping on the river Thames, and of the surrounding scenery. The chureh is in the middle of the town; it has a stone towar, embattled. The market, when Morant published his history of Eissex (1768), was very small; it has been discontinued. There is one fair in the year, chiefly for wool. Great Ilford, on the river Roding, 22 miles S.W. from Chelmsford, population 3745, a ward of Barking parish. The Koding is here navigable for barges. An hoopital for lopers was founded here by Henry II. The chapel of easc, or hospital chapel, is a very ancieut building. About half a mile from the town io a church erected in 1831. The Baptists and We leyau Methodists have places of worship, and there are Natioual schools, a savings bank, and almshousee. A large house of correction for the county is situated at Ilford. Brick-making, lime-burning, and malting are carricd on. There are steam saw-mills and flour-mills. Kelvedon, 13 milen S.W. from Chelinsford: population, 1633. The villago is partly built on elevater ground, on the right bank of the Blackwater, and on the line of the Eastern Counties railway. The church has a squarc brick tower. The Iudepeudeute and Quakere have places of worship. In the vicinity are uurscry-grounds. Laindon or Lanydon Clay, a name derived from the long down or range of hills, in the neighbourhood, 12 milee S. by W. from Chclmsford: population, 540. The church is built on high ground. There is an Endowed school. Basildon, a hamlet of Laindon parish, said to have been once a town, has a chapel occupying an elevated site. A fair ie held here for two days annually in Scptember. High Laver, 15 miles W. by N. from Chelmsford: population, 534. In the churchyard John Locko was
interred, he being at the period of his death, 1704, resident at Oates, the seat of his friend Sir Francis Masham: The mansion of Oates was pulled down several years ago. Layer-de-la-Hay, the principal of three parishes and villages called the Layers, 23 miles N.E. by E. from Chelmsford, population 788 , has a church consisting of nave, chancel, and stone tower : the populatiou is agricultural. Layer Marney, 20 miles N.E. by N. from Chelmsford ${ }_{2}$ population 279, ie situated on the Lare Brook; the church has a brick tower. The great entrance tower is still standing of Layer Marney Hall, one of the finest and earliest brick mausions in the country. It was erected in I 520 by Henry Lord Marney. From the tower fine sca views are obtained. Leigh, 19 miles S.S.E. from Chelmsford: population, 1370. The houscs are principally arranged in one street running aloug the foot of an emiuence and on the bank of the Thames. The summit of the eminence is crowned by the church with its ivy-mantled tower, and the manorhouse. The population consists chiefly of fishermen, engaged in the shrimp, oyster, and shell-fish trade. The oyster spawn is brought from the lrench coast and elsewhere, and placed in the Leigh oyster beds to grow and fatten for market. There are a small custom-house and coast-guard station here. The Wesleyan Methodists have a chapel, and there are National and Iufant schools. Some Roman coins have been discovered at Leigh. Greal or Much Leighs, or Lees, 7 miles N.E. from Chelmsford : population, 874. The church is an ancient edifice; it has a Norman door and window. Near it is a round tower built of fliuts and stones. There is a Charity school. Little Leighs, or Lees, on the river Ter, 7 miles N.E. from Chelmsford, population 164, has a small church with a wooden spire. Lees Priory, founded by Ralph Gernon in 1229, was at the dissolution granted to Sir Richard Rich, who built on its site a splendid family residence: it now forms a part of the estates of Guy's Hospital. Leyton, or Low Layton, 27 miles S.W. from Chelmsford and $5 \frac{1}{2}$ miles N.N.E. from London, population 3901, including 499 in the West Ham Uniou workhouse, is very pleasantly situated on the left bank of the river Lea. John Strype, the historian and antiquary, was vicar of this parish for nearly seventy years: his tomb is in the chancel of the church. There are chapels for Independeuts and Wesleyan Methodists, 2 Free schools, aud 8 almshouses. Many Londou merchants reside at Leyton. Roman and other antiquities have been found in considerable uumber. Leytonstone, a hamlet of Leyton, has many haudsome villas, a district church recently erected, and a National school. Littlebury, 31 miles N.W. by N. from Chelmsford, population 934 , on the left bank of the river Granta or Cam, belonged in the 9 th century to a mouastery in the Iele of Ely. The church occupies the site of an ancient camp. There is a Free school. Agricultural implemeuts are manufactured to a small exteut. Loughton, 20 miles W.S.W. from Chelmsford: population, 1237. The manor was grauted by Harold II. to Waltham Abbey; the houses are chlefly in Loughton-street on the Epping road: very pleasant rural scenery is found here. The church, about three centuries old, is a mile east from Loughton. The Baptists have a chapel, and there are National and British schools. Great Maplestead, 18 miles N.N.E. from Chelmsford, population 494, is an ancient village occupying an elevated site. The church has a square tower. There is an Infant school. Hops are extensively cultivated in the vicinity. Little Maplestead, 19 miles N.N.E. from Chelmsford, population 367 : the Knights Hospitallers of St. John of Jerusalem had a preceptory of their order here, founded in 1186 by Julisn do Burgh. The round church of the preceptory is one of the few round churches still existing in England. Margaretting, $5 \frac{1}{2}$ miles S.S.W. from Chelmsforl, population 517, is situated on the road from London to Colchester. A considerable part of the village is built along the road at some distance from the church. Mountnessing, or Mount-nessing-street, 8 miles S.W. by W. from Chelmsford, population 845 : some remains exist here of Thoby Priory, founded in 1141 for Augustinian cauone Nazing, or Nasing, 37 miles W. from Chelmsford: population, 75 个. The mauor was given by Harold II. to Waltham Abbey: the church is situated on an elevation affording fine prospects over the course of the river Lea. There is a Charity school. Nazing Park, in the vicinity, is a fine mansion, the seat of the Palmer family. Black Notley, 10 miles N.N.E. from Chelmsford: population, 527. Numerous antiquities have beeu found here. There are corn-mills in the vicinity. Bishop Bedel was born in the parish; Ray, the distinguished naturalist, was buried in the churchyard of Black Notley. Great Oakley, 34 miles N.E. from Chelmsford, population 1177, on the cross road from Colchester to Harwich. The parish church is a very old building: the spire has been recently rebuilt. There are two Dissenting chapels and a National school. South Ockendon, 21 miles S.S.E. from Cholmsford : population, 1021. The church, a very ancient edifice, has a round tower and an elaborately deeigned Norman door. Pamdon, or Parvingdon, 36 miles W. by N. from Chelmsford, popnlation 488 , is seated on a hill. A monnstery of the Premonstratensian order was founded here by Roger de Parringdon; it was removed in 1180 to Maldon. Plaistow, 26 miles S.E. from Chelmsford, is in the parish of West Ham: the population of Plaistow ecclesiastical district was 2668 in 1851. Much fertile marsh-land lies between the village and the river Thamcs; and there are cxteneive market-gardeus. Thcre are a church, built in 1830, a Quakers' meeting-house, an Independent chapel, National and British schools, an Infant school, and a Temperance hall. Many villa residences are in the neighbourhood.

Near Plaistow in the Barking Roarl station of the Fantern Counties milway. Pleathey, 7 millos N.N.N. from Chelnasford: popnlation, 351. The church ouce formed part of a collego founded in 1393 by Thomas do Woodstock, afterwands duke of Glouecster. There are some remains of the castle of Pleahey, whero Gloncester was arrested by onder of his nephew, 13ichari 11. Prittlerell, 20 tniles S.E. from Chalmasford, propulation 2402; supposed to bo so anmed from a well in the priory. The village is within a mile of the const. The sea has made considerable encroachmeute on the land in this parish. The village of Prittlowell consinte of two strects on the slope of a hill, with the church on the summit. The churcli hns a nave and ehaneel and a fide aisle. At the west end is a fue tower in the perpendicular atyle, embettled, with strong buttresses and rich pinnacles. A priory of Cluniac mouks was once here. There is a National school Purfleet, formerly written Pourlefele, or Porifele, on the left bank of the Thanes, 21 miles S.S.F. from Chelmaford, population included in the parish of Thurrock, belonged to the Knights of St. John of Jeruealem; the Marditch atream here euters the Thames, furming a amall harbour at the confluence, where is a good quay. Steamvessela plying between London and Gravesend frequently call here, and the Tilbury and Southend railway has a station here. The village commands a fine view of the Thatnes. Chalk-pits and enverns occur in the vicinity. At 「urfleet are large powder catablishsuents belonging to goverament. Purleigh, 10 miles Li by S. from Chelmaford: population, 1184. The church in situated on a liill, and is a commodions and bandsome edifice with an eunbattled tower. There is a National school. Radwinter, 22 miles N.N.F. from Chelmaford, population 916, is situnted on the left bank of the Blackwater, near its source, here ealled the Pant or Freehwell; the church hes a unasive embattled tower aud a lofty spire. Several gentlemen's sents aro in the vicinity. Rainham, or Raynham, ou the right bank of the Ingerburn, $n$ feeder of the Thatnes, 22 miles S.E. by S. from Chelnisforl : population, 868. The village strctches along the London road, and commands a fine view of the Thames. There is a station here of the Southend railway, and a convenient quay at the mouth of the river. Therc is a eluurch and a Wosleyan ehapel. Ridywoell, or Redgweell, 24 miles S. by E. fma Chelinsford : population, 30s. 1Roman coins and the remains of a loman villa haro been found hero. In 1318 lidgwell had a weekly market. The church has a square embattled tower with five bells. The Rodings, or Roothings, between Ougar and Dunmow; ten villnges receire this appellation, suel as High Roding, Aythrop Roding, White Roding, \&c. The name is derived from tho river Roding. Of the nine parishos thus desiguated, tho aggregate population in 1851 was 2235. The district is agrienltural. St. Osyth C'hich, 33 miles E. by N. from Chelmsford, at tho head of a small ereek, which flows into the Colne near the mouth of that river, population 1698, chicfly agricultural. The creek is navigable up to the quays near the village. An abbey for canons of St. Augustine was founded here in or before 1118. The quadrangle of the ancient monnstic buildings is almost cutire, except on the north side, where it has boen replaced by modern apartments; the entrance is by a beantiful gateway of hewn stone mixed with flint, haring two towers and two posteras. Tho church is a large edifice with a handsome tower. There is a chapel for Weslegan Methodists. Some husiness is done in corn and coal ${ }^{2}$; malting, brewing, and lime-burning are carried on. Great, or Old Samupfurd, or Sandford, on the left side of the armall river Pant, 22 miles N. by W. from Chelnnsford: populatiou, 306. The parish church occupies an elerated site. There is a chapel for Baptists. The straw-plait mannfacturo is carried on here: a fair is held on Whit-Monday. Shalford, on the right bank of tho Blackwater, 15 miles N. by E. from Chelmsforl, population 816; the church consints of a unve, north and south aisles, and chancel, and a tower. Malting is carried on, and there arc several corn-mills. Some good family nansions are $\ln$ the neighbourhood. Southend, 21 niles S.F. from Chelunford, is pleannntly situnted on the side of a wooded hill, near the mouth of the Thames, and is in considerable repute ns a bathing place. The population of tho village in 1351 wag 1141. The Terrace, in what if commonly called New Sonthend, or the Upper Town, is a handzome raugo of buildinga. There are a gnod hotel, an amembly room, a theatre, and a library. A new church has been orected, and thero aro a chapel for lndependents and a National selool. The london and Tilbury aud Southend railway terminates here, and stamors ply regularly to aud froni London, and also Gravasenil. A convonient pler, with a line of iron rails, bas been carried out aboron milo from the shore, for landing and embarking steanboat passengers. Veanels of amall size are built, and there is a brewery. In the neighbourhood are extenaivo gardenn. Southmineter, 20 miles 1..S.1:s from Chelenfurd, pmpulation 1432 ; the ehurch is a handsome nud commodious edifico; thero aro an 1 ndependent clappland and National school. Tbreo fairs are held anmally. Malting is carried on. itunford Rivers, 14 miles W. hy S. from Cholmaforl, propulation 1032, includivg 143 peraonn in the Ongar Union workhouse. The place has probably ith name from a atone forl over the river looding. Thie charch chancel in rery ancient and contnins some curious monumenta. There is hero an ludependent chapel. Several fine mansions are in the neighbourhworl. Nebling, 13 niles N. by W. from Chelomforl, popuIntion 1398, is situated on high ground, on tho left side of a small hrook, a feeler of the Chelner; the church is anclent, and has a
spacious and lofty uave, two ainles, and a large chnncel. The Quakers and Independents have places of worship. Near the village aro two artificinl mounda. llrick-making aud malting are carried on, aud thero aro com1-2llis. Stistel, or Stistead, 15 miles N.N.E. from Chelusford, population 8SS; on the left bank of the Blackwater. Tho church has Norman pillsers, and on the mouth side a tower surmounted with a spire. There are a Freo school and an lufant school. 13rick and tilo making and malting give euployment; and in the vicinity aro some corn-mills. Siratford, or Siratford Langthorne, 25 miles S.W. from Chelmsford, and 3 milen 1\%. from London: population, 10,686. Stratford is named from the ford ove the river Lea, on the left bank of which lt is situnted. A distriet church was erectod here in 1836. The Raptists and Wealeyan Methodists have places of worship. There are National, British, nnd 1 nfant sclioole, and a envinga bank. Numerous manufactures are carried on in the district; chemical and priut works, cosch factories, flonr mills, and distilleries employ numerons hands. Many London morehants have residences in the rillage and its vicinity. Tukeley, 17 miles N.W. from Chelmsford, population 991 ; the church has an embattled tower, surmounted with $n$ spire. There is an Independent chapel. A sinall priory was founded here in the time of 11enry 1. Terling, on the Ter, $n$ feeder of the Chelmer, 7 iniles $\mathbb{N}$.1., from Chelmeford : populatiou, 300 . Tho bishops of Niorwich had formerly here a palace, and a large ehapel which possessed the priviloge of sanotuary. Heary V111. had a resideace here. Tho churell, which is ancient, is in the centre of the village; it has a tower with a shingled spire. Malting is carried on. The Teys, are three villazes called Great, Little, and Mark's Tcy. Great Tey is near the head of a small brook, a feeder of the Colne, 19 miles N.E. from Chelmeford: popula. tion, 735. The church, which is on the summit of an eminence overlooking the river Roman, has a square tower of atone, in which are eight bells. Mark's Tcy, 18 miles N.E. from Chelinsford, propulation 437, is situated on the loman road from Colchester to St. Albans. Mark's Tey 11all, the remaining portion of whiels is now occupied as a fartu-house, still retains part of the old moat. Thoydon Garnon, or Coopersale, 15 miles W.S.W. from Chelmsford, and abont 1 mile $\stackrel{N}{N}$. from Thoydon Bois : population, 1237. The church consists of a naro and chancel, and has a stepple huilt in 14 TO by Sir John Crosby, of Crosby Hall. There are ahnshonses for four poor widows. Thoydon Mount, 16 miles W.S.W. from Chelmaford, on the left bank of the Roding: population, 194. The church was erected by Sir William Smith, in the 17 th century. The tower is of brick. Hill Hall, the seat of the family of Smyths, is a fine Elizabethau inansion, situnted in a spacious park. E'ast Tillury, 22 miles S. by W. from Chelnsford, population 401, is on the left bank of tho Thames, at that part of the river called the Hope. The tower of the chureh was destroyed by the Dutch in 1667 ; there is now a battery. W'at Titbury, 20 miles S.S. IV. from Chelmasord : population, 519. Till bury Fort in this paish is on the left bank of the Thames, where ls a ferry over the river to Gravesend on tho Kent coast. The fort was originally built as a block-louse by IIenry V111. Elizabeth lodged for awhile in the fort, and reviewed the troops collected here in preparation for meeting tho Spaniards of tho 'Armada.' The fort is maintaiued for the protec tion of the Thames. Tillingham, 22 miles E. by S. from Chelnsford population, 1018. The church, erected in 1708, has a western stane tower. Tho Baptists have a place of worship. Two fairs are held annually. There are almshouses for four poor persons. Tolleshary, at the mouth of tho westuary of the Blackwater, nud on its left back, 18 miles E. by N. from Chelmsford : population, 1193. The church is a venerable structure of harge kizc. The lndependents have a placo of worship. Many of tho inkabitants are ongaged in the oyster fishery. A fair is held anmally in Junc. In this parish is Tiptree Farm, on which so many interesting experiments with improved methods of cultivation havo becn mado of late years by Mr. Mechi. Tolleshunt J'Arcy, 18 miles E. hy N. from Chelmsford, population 792; the clurcly is built chiefly of stone, and has at the west end an embattled stono tower. Maleing is carried on. Toppersfuld, or Torpesfichd, 23 miles N. by 1E. from ('helensford, population 1051; tho church, erected in 1519 , is a spacions rad handsome edifice. There is a Free school. In 1800 some skeletone, end several loman antiquities, wero discovercd here. Great Totham, 12 miles E..N.E. from Chelmesforl, population 786 , is an ancient village. The parish church is a small edifiec. In the vicinity aro some flour-znills. Brieks are malo herc. L'pminsecr, 20 miles S.F. by S. from Chelmsford, population 1228 , is on the left hank of the lugerburn. Upminater llall was giren by 1 larold 11. to Waltham Abloy. The abbots took up their residence hero, and built tho mansion of brlek. It has a chapel of atone, and an old font. Thero aro a church and an Budependent chapel. A brick manufactory employs sone hauls. Great Wakcring 2 iniles S.E. from Chelmforl, population 205 ; is near that part of the coast which is akirted by the Maplin sund ; the islands of Groat Potten and lasselys belong to this parisli. There are here o church with a weutcrn tower, an lule ependent chapel, and a National school fer boys aud girls. Greal or Much IFalham, 4 miles N. by W. from Chelmaford, populntion 2335 ; is on the right bank of the Chelner, on the roall from Chelmesford to Dunzow; the clarech is a commo dious and handsome buildiug, with a square tower and eight bolls. In tho pharish is Black Chapel, a chnpel of erase, constructed of wood.
Malting employs some of the population. Thicre are corn-mills near
the village. In the neighbourhood are several finc mansions and gentlemen's seats. Little Waltham, on the left bank of the Chelmer, 4 miles N. by E. from Chelmsford : population, 651. The church has a square tower and 5 bells. Corn-mills and malting employ several hands. I'anstead, 25 miles S.W. from Chelmsford, population 2207, is on the right bank of the Koding; the church, erected in 1790 , is a small edifice. A tesselated pavement and other Roman antiquities were found in the park in 1735 . Wanstead Park, occupying a considerable extent of gronnd, is close to the village; and near Wanstead and Suaresbrook, a hamlet in the parish, are many villa resideuces. At Snaresbrook is the Infant Orphan Asylum, opened June 1843, for 500 orphsns. The number of inmates when the Ceusus was taken in 1851 was 404. Thers are in Wanstead a National school for boys and girls, and an Infant school. North Weald, 15 miles W. by S. from Chelmsford, population 842, is known also as North Weald Bassett; the church is an ancient edifice with an embattled tower. The houses are irregularly built; there are several parochial charities. South IVeahl, 14 miles S.W. from Chelmsford, population 35s8, of which the hamlet of Brentwood contains nearly two-thirds. The church, partly of Norman date, is very interesting to the architectural antiquary; it contains some fine Norman sculpture. Near the village is South Weald Hall, a fine mansion in a richly wooded park, from which are obtained prospects over a wide range of interesting scenery. Traces of a eircular camp have been found in the neighbourhood. Many residences of opulent families are in the vicinity. A Charity school, founded by the Rev. C. A. Belli, is for boys and girls. Wethersfield, 17 miles N. from Chelmsford: population 1770 , is near the left bank of the Blackwater. The church, which is ancient, consists of a nave and two aisles, with a tower. There are in Wethersfield National aud Charity schools for boys and girls; and at Beazley End a Charity school. A brewery, a brick manufactory, and eorn-mills, give employmeut to some of the population. Great Wigborongh, 22 miles E.N.E. from Chelmsford: population, 471. The parish belonged anciently to the abbess of Barking; tho church is on the summit of a hill, from which is an extensive prospect over the mouth of the Black water to the sea. The building consists of a nave and chancel, with a tower. Wivenhoe is on the left bank of the river Colne, at the junction of the Roman, 27 miles E.N.E. from Chelmsford: population, 1672. The village is on the slope of a hill, and commands a pleasant prospect down the river. The church, an sncient edifice, has an embattled tower. The Independents have a place of worship. Wivenhoe has a conmodious quay and a custom-house; it may bs cousidered the port of Colchester. The fishing of oysters and soles gives employ. ment to many of the inhabitants. Boats for the oyster-dredging are built here. Brewing, malting, and rope-making aro also carried on. $A$ fair is held on 4 th September. Wix, Weeks, or Wicks, 34 miles N.E. from Chelnsford; population, 778. The ehurch is a small edifice, built in 1740. There are a Wesleyan chapel and a National sehool. Some remains exist of a nunnery for Benedictines, fouuded in the time of Heury I. Bricks and tiles are made iu the parish; and there are corn-mills. Woodford, is on the east side of Epping Forest, and to the west of Hainault Forest, 25 miles S.W. from Chclmsford: population, 2774. It is a long stragghing place with a number of good houses, inhabiicd chictly by London merchants and tradesmen. Tho church is moderu. The Independents and Wesleyan Methodists have places of worship. A. group of houses about a mile north from the main part of the village takes the name of Woodford Wells, from a mineral spring, now in little repute. A considerable amount of retail trade is carried on in the village. Woodhan Perrers, or Fervis, 8 miles S.E., from Chelmsford : population, 981 . The church consists of a nave, two aisles, and chancel, with a square tower; aud contains some monuments of the family of Sandy. There are here an Indcpendent chapel, and a National school for boys and girls. Great Yeldham, 22 miles N. by E. from Chelmsford, population 716 , is situated on the river Colne. The church is a massive stone buildiug; it coutains some handsome monumeuts. There are a Free Grammar school and an almshouse for 6 tcuants. In the centre of the village is the Yeldham great oak, 80 feet high, aud 30 feet in girth at 4 feet from the ground. Hops are cnltivated here.
Divisions for Ecclesiastical and Legal Purposes.-Essex constitutes the largest part of the diocese of Rochester, which is in tho ecclesiastical province of Canterbnry; and is divided between the three archdeacourios of Colchcster, Eisscx, and St. Albans; a portion of the county is in the diocese and archdeaconry of London. According to the 'Census of 12eligious Worship,' taken in 1851, it appears that there were theu in the eounty 76 ' places of worship, of which 433 belonged to the Established Church, 134 to Independents, 63 to Wesleyau Methodists, 59 to Daptists, 24 to Primitive Methodists, 19 to Quakers, and 34 to minor bodies. The total number of sittings provided was 218,467.
By the Poor Law Commissioners the county is divided into 17 PoorLaw Unions: Billcricay, Braintree, Chclmsford, Colchestcr, Dunmow, Fpping, Halstearl, Lexden and Winstrce, Maldon, Ongar, Orsett, Rochford, Romford, Saffron Walden, Tendring, West Ham, and Witham. These Poor-Law Unions includo 370 parislics and townships, with an area of 869,085 acres, and a populatiou in 1851 of 341,564 ; but the boundaries of the Poor-Law Unions are not strictly co-extensive with those of the county. Essex is in the home circuit. The assizes and
quarter-sessions are held at Chelmsford, where is the shire-hall, an elegant structure, and the old county-jail and housc of correction. The county-jail is at Springfield, a villsge about a mile from Chelmsford, on the road to Colchester. The northern and the southern divisions of the county each return two members to the Imperial Parliament.
History and Antiquities.-In the earliest dawn of the authentic history of our island, Essex was inhabited by the Trinobantes, a powerful tribe whose dominions perhaps extended across the Stort aud the Lea into Hertfordshire and Middlesex. At the time of Julius Cæsar's invasion (b.C. 55 and 54), Imanuentius, as he is called in Latin, prince of tho Trinobantes, had been slain by Cassivellaunus, the chief of a neighbouring tribe. Mandubratius, the son of Cassivellaunus, was driven into exile, and had gone as a suppliant to Cæesar in Gaul. By Cæsar's help Mandubratius was restored to his father's throne, and was afterwards secured in its possession by an express stipulation in the treaty between Cæsar and his British opponents. The alliance of Rome seems to have promoted the aggrandisement of the Triuo bantes: Cunobelin, king of that tribe, was a potentate of considerable name, and some coins of his yet extant attest the commeucemeut of civilisation and the arts in this county. [Britannta.] Cataratacus, or, as he is commonly called (after Tacitus), Caractacus, and Togódumnus, sons of Cunobelin, succeeded to their father's power, and had to bear up sgainst the weight of Roman hostility when the invasion was renewed in the reign of Claudius (A.D. 43). After sustainiug several severe defeats, the Britons retired into the marshes of Essex, and fighting with the vigour of despair, were enabled for a time to repel their assailants, though with the loss of Togodumnus, one of their leaders. The Trinobautes were subdued by Claudius in person, and their capital, Camulodunum, was taken, and subsequently made the seat of a Roman colony. This colony was however destroyed iu the revolt of the Britons under Boadicea, and the Roman garrisou was slaughtered. But the overthrow of Boadicea by Suetonius (A.D. 61) put an end to their revolts, and decided, though it did not complete, the reduction of South Britain. In the Roman division of Britain, Essex was included in Flavia Cæsariensis.

Several Roman statious were in Essex. Of these the most important is Carmulodunum, of which antiquarians are now pretty well agreed that Colchester is the site. The other stations appear to have been Durolitum, near Romford; Cæsaromagus, near Widford, a village about a mile south-west of Chelmsford; and Canonium, near Kelvedon. If these positions are fixed with tolerable approximation to accuracy, the Roman road must nearly have coincided with the modern road from London to Colchester, which is probablc. Another station of the Itinerary of Antoninus, Ad Ansam, was probably on the border of the county, perhaps at Stratford, just across the Stour, in Suffolk. A Roman road, the line of which is still visible iu mauy places, crossed the county from Bishop's Stortford, in Herts, by Dunmow and Coggeshall to Colchester.
liomon antiquities have been dug up in many parts of the county, but especially at Colchester; around which town are the remains of intrenchmeuts and other military works Tesselated parements and other antiquities have been discovered on Mersey Island. Roman remains have also been found at Wanstead; at Canewdon; at Coggeshall; at Toppesfield; at Ridgwell ; at Watsoc bridge, betweeu Birdbrook and Steeple Bumpstead parishes, near the Stour, where is a Roman camp; and at Great Chesterford, which was undoubtedly the site of a Roman station. Colchester appears to have becn, in the latter period of the Roman dominion, the seat of a bishop. Adelfi:s, the bishop of Colon, or Colchester, assisted at the couucils of Arles, A.D. 314 ; Sardica, A.D. 347 ; and Arimiuum, A.D. 359.

When the Saxons established themselves in Britain, Essex, with some parts of Hertfordshire and Middlesex, constituted a small king. dom, the possessors of which were, from their relative situation, called the East Saxous; from them the county has derived its present designation. This kingdom of Essex gradually extended across the Lea into Miadlesex aud Hertfordshirc; and comprehended London, then a flourishing trading place, and which appears to have becone the capital of the East Saxon kingdom. The episcopal church of St. Paul in London was founded by Ethelbyrht, king of Kent, the firat of the Saxon princes who embraced Christianity, aud to whom his nephew, Saebyrht, king of Essex, was in subjection. Mellitus, who had been scnt from Rome to assist the missionary St. Augustine iu evangelising England, was appointed Bishop of Essex, iuto which kingdom he had been sent as missionary by A ugustine. Upon the death of Saebyrht (A.D. 616), his successurs restored Paganism aud persecuted the profcesol's of Christianity. About 653, Sigebriht, or Sigeberht, the Good, being converted by his friend Oswy, king of Northumberland, whom he used frequently to visit, and baptized by Finan, bishop of Lindisfarne, restored Christianity iu Essex, and sent for some Northumbrian monks to come aud instruct his subjects. Sigebriht was assassinated two years afterwards. About 823, Kent and Essex, which had sunk into mere dcpendencies of Mercia, werc subdued by Egbert of Wcssex, and probably united, under the designation of the kingdom of Kent, occupied by Ethelwalf, sou of 1igbert, as subordinato to his father. Of the kingdom of Kent mentiou is occasionally made in the history of Ethelwulf and his sons, until the reign of Alfred, by whom tho Saxon kingdons were finally iucorporated; aud England, with the
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excention of those parts which were oecupied by the Dhnes or rotaincel by the llritons, was consolidated undor one nceptre,

When Alfred, after the recovery of his throne, anaignod to the plratical Northmen, or Danes, a bettlement iu aud about liast Anglia ( 5 FS), Ensex was includel in the cedel territery. Thirteen or sixteen sail of Danish piratienl resech were destroyed in the month of the Stour, near 1larwich (SS1) hy the shipe of Alfred; but the victorious flect was deatroyel near the Thames mouth by some shipe fitted out hy the colonists of liast Anglin, in riolation of their engrgemente with the king. For a space of ahout threo years (894-896) Alfred had mucli trouble in resisting the attacls of llasting, the Danish piratical chlef; ultimately however, Inasting was compellod to abandon Eagland, and Emex returnod peaceably under tho Weat Sason away.

Aner the death of Alfred (001), and the choice of Fdward tho Elder es his ancesosor, S'thelwald, son of Ethelbert, Alfred's clder brother, clalmed the throne, and having obtained foreign aid, returned and vuldned Fissex. Tho subsoquent death of the invader in battlo (005) put an end to the strife, and restored Emsex to tho sway of Euward, who subsequently rebullt or fortified Witham in order to bridle the rebellious ternper of the Danish coloniste; and some years after (920) fortified Maldon. For abont a contury after this the Danes continued their attacke, nnd wore on two occasions hought of by the payment of a large sum of mouey. In 1016 Essex was the acone of a fiereo battle between Canute and Edmund Ironside, who had succeeded to the thrones and the hostility of their respective fathers Srein and Fithelred. Canuto, by the treachery of Edrio (brother-ln-law and foster-father to Edmund), obtained the victory, in a battle fought at Asmandun, which some suppose to be Ashdon, near Saffron Walden; others, with more probahility, fix the scene of confliet at Assingdon, or Ashingdon, about 3 miles north from Rochford. At Cnnewdon, a short distance eastwred from Ashingdon, aro the remaina of a camp, supposed to hare been that of the Daues; the fosse in yet visible.

In the civil war between King John and hin barons, the Earl of Winchester, one of the confederated lords, with an army of foreigners Whom he had bronght into the country in the sear 1215, besieged Colchester castle, and he or some of his party took the castle and plundered the town: but it was retaken by tho king, after a few dayas siege, During the minority of Henry IlI. Colchester fell into the hands of the Dauphin Louis (1218).

Lisex contains many historical memorials in the form of encampments, castlen, and other ruins. Camps may he traced at the village of Danbury (Danes-byrig), on a high hill between Chelmaford and Maldon, at Maldon (probahly tho work of Edward the Elder), at Witham, at Ambresbury Banks, uear Epping, at Ruckholt, near Barkiag, nt South Weald, nenr Brentwood, at Canewdon, and at Blunt's Walls, near Billericay. Of tho castle of the Norman period there are several remains. Those at Colchester, ITedingham, Walden, Ongar, and Maleigh have been noticed in this article or under their respective heada. Ileshy castle was probably built by William de Magnaville, to whose father, Geoffrey de Magnaville, the place Land been grantud by Stephen. Tho keep, with the moat which surrouuded it, Was within an intronchment which lad previously formed part of a loman camp or statiou; the mouud on which the donjon was built, and the bringo which led to it over the surrounding mont, are all that remain of the once proud structure. Of Hadleigh Cantle, near Inleigh, dilapidated portions of two towers yot remnin, forming a plcturesque ruin.

Of the halls and manor-houses which succeeded the Norman castles znay be mentioned Heron Mall, wear East Horndon, Nether 1lall, near the confluence of the Lea and the Stort, Tolleahuit Becklugham, or Tolleshunt Magna, between Maldon and Colchester, Layer Marmey 1lall, In the samo neighbourhoorl, Belhus or Bellas House, near l'urfleet, Covet or Covell Hall, near Whito llodine, Lastbury, near Barkiug, Dnnbury Place, betiveen Chelmsford and Maldou, New Inall, near Cliclmaford, and Toppinghoo Hall, betweon Chelnaford and Witham, somo of which aro atill nearly entire, and of others considerable fortions remain. Besides ancient houses which have been already notleod fin tho courne of thim article, wo may mention Gonfeld llall, near llaletead, which is probahly of tho time of lleary V11. This mansion is of brick, and lnclones a quadrangular court, into which all the lower tier of windows formerly opened. There were no outaide window on the ground foor, and those of the upper story were atrongly barricaded, so to give to the placo compiderablo atrength.
At the leformation Esex possensed soveral religlous housen, of which there aro morne reunaina There wess at the time of the suppression aeven of the gromer mouanterien, that 1 s , of those which, acoording to the valuation of thelr lands and eadowmouts, possessed a clear yearly revenne of above 2001: they were-the lhenedictine abbeys of lherking (larklng), Chich (or SL Osyth), Colchemter, Walden, and Waltham, and the Cintercian abbeys of Coggenhall and Stratford Langthorwe. Their nggragato yearly revenuo whi $4201 l$. 3s. 4d. grome, or 4099 L 11s. 2 d . clear.

Of tho maller religlous honsen there are remains of Bilofgh or Beleigh Abboy, near Mnldou; of Tiltey l'riory, letween 1)ummow and Thaximl: of Hyckuare l'rinry, of ween ('helinaf mi ami Muldon: of

1antton Priory, near Ilarlow; of Loen 1riory, betweon Chclinaford and Braiutree; and of Thoby Priory, betwoen Brentwool and Ingntestone. The churches of l3akemore or lilackmoro l'riory, botween Ingatentone and Ongar, and of llatield Pevorel l'riory, between Chelmaford and Withau, liave hoen mado parochial: tho latter has been mucls altered; it retnina a gool Nomnan door, with zigrag monlilinga

Of tho sarly chnrehes, benides those which wo have already had occasion to mention, the following demerve notice:-Greenstead church, uear Ongar, is \& very ourious edifice, and one of the most ancient in the kingdom: it seoms probable that it was built as a sort of slarine for lodging the body of St. lianund, khig of Fast Anglin, on its being takeu back from Londun to Bury St. Lidmund's, in the early part of tho 11 th century; and that it was aftorwurds enlarged to servers a parish church. The unvo is eutirely comprosed of wood, the sides being formed of the trunks of large onks, split or sawn asunder, and set upright close to one another. Thay are let into a wooden sill at tho bottom, and into a plate at tho top, and secured with wooden pius. The remaindor of the church is modern. The entire size of the origiual or wooden part of tho church is 20 feat long by If feet broad, and $5 \frac{1}{}$ feet high to the spring of tho roof. The whole was carcfully restored in 1849 ; every portion of the ancicnt wood work haviug been scrupulously replaced in its original position. Little Maplestead clurch, near 1lalstead, is a building of great interent, heing the latest of tho few round churches in the kingdom; it is of pure Decorated character, and its details aro plain, but very good. The chancel cud of this chnreh is also semicircular, and is probably the latest crection of that form in Fingland. South Ockendon church, ncar the Thurrocks, has a round tower, such as may bo oommonly seen in Norfolk, but not much elsowhere: it has an elaborately and variously eariched Normau door. Corringham and somo other churches have Norman portions.

When the Roman Catholic faith regained a temporary predominanco under Qncen Mary, the persecution wiss very severe in Essex. Seventeen Protestants (five of them women) were burnt at Colehester, and oue died in prison; and two persons (one a woman), were burnt at Stratford.

The year 1571 was remarkable for the settlement of the Flemish refugees at Colchester; they introduced the woollen maunfacture into that and several other towns in Besex. Refereuce has alrendy been made to the preparations at Tilbury to rosist the invasion of the Spauiards, who fitted out the 'Iuvincible Armada' in 1588. On that occasion Colchester furnished two ships and a pinuace to the Liaglish fleet. In 1595 the samo town furnished three ships for the expedition to Cadiz.

In the war with Spain at the beginning of the reign of Charles I. a Spanish flect caused alarm by appearing off Harwich; but they made no attompt to land (1625). In the civil war at the close of the same reign, lissex was almost entircly iu the interest of the Parlisment, and joined in an association for mutual aid and succour with tho other enstem counties of Norfolk, Suffulk, Cambridge, and IIerts : this was called the Eastcru Association. In the year 1648 lissex was the sceno of an sbortivo attempt of tho loyalista A jart of tho royalist forees which had bcen raised in lient uuder Goring, earl of Norwich, aud Sir William Waller, and wero pressod hy Fuirfax and the parliamentary amay, crossed tho Thaues into Niddlesex, aud retrenting thence into Nissex, were joined by tho lRoyalists of that conuty (who had provionsly seized the parliamentary cummittoe at Chelmsford), and by some royalist gentlemen from llertfordshire. They retired first to Cholmaford, theuce to Braintreo, taking iu their way Lees House, aud thence to Colchaster. The siego and capturo of the town by the I'arliamentarians is mentioned in the article Colchestel Tho history of the county presents no later eveuts of any intereat.

In 1851 the county posseased 15 savings lonnks-at Barking, Chelmsford, Colchester, Great Dnamow, Epping, Halstead, West Ham; Harwich, Castle Hedingham, Legton, Mauningtreo, lRochford, lRomfort, Siaffron Walden, and Witham: tho amount owing to depositors on the 20 th Noreraber, 1851 , was $178,955 l .8 \& .6 d$.

ESSLIX. [CONnECTICUT.]
LSSINGTUN, PORT. [NomTH Australia.]
LSSLINGl:N, a towu iu Wurtemberg, in the circlo of the Neckar, is situated in a pretty and fertile country on the river Neckar, surrounded by heights crowued with foreata aud vinoyarda, 8 miles by railway la from Stuttgardt, and has about 7000 inhabitants It is an oll town, and was a free city of tho Gorman empire and the favourito reaideuce of some of tho emperors. The lunor town has unassive walls and towera round it ; and the five sulburbs, ono of which stauds on au island in the river, whilo another is attached to the old burg or enstlo whleh crowns a hill, are alse protected by stout walls. lisslingen has fivo churches, ono of which, the lranen-kireho (Clinrch of Our Lady) is distinguished by its tive gothe spire, 230 feet ligh, and was built in 1440; a haudsone town-hall; A richly-endowed hospital; a high school; a trainingechool for teachers ; nud an orphau asylum. On tho llothonberg, a hill near the town, is a Greok chapel, erected on the site of the old castlo of Wurtemberg, over the remains of a Rusaian princess, queen of Wurtoubcrg; lt contains statues of the four Evangelisto by Danueker and Thorwaldsen, lisslingen has manimetaren of worllem, cott n and woullon jurns, fackerert irun mad
tin wares, paper, \&c., and a good trade in wine and other agricultural products.

ESSLING, or ESSLINOEN, a small village in Lower Austria, about 7 miles E. from Vienna, from which Marshal Massena derived his title of Duke of Essling, bestowed upon him by the Emperor Napoleon I. [Aspern.]

ESSOVES. [AUBF.]
ESTAING. [AvEYRON.]
ESTAIRES. [Nond.]
ESTHONIA, or REVEL, one of the Baltio provinces of Russia, is hounded N. hy the Gulf of Finland; E. hy the government of St. Petershurg, fron which it is separated hy the Lake Peipus and the Narova; S. hy Lake Peipus and the government of Livonia; and W. by the Baltic. The area is 7993 square miles, including the islands along the const-Dago ( 434 square miles), Worms (36 square miles), Nunk, or Nouks (33 square miles), Wrangel, Nargen, the two Roogs, Odensholm, Eckholm, Meft, Kranholm, and 59 smaller islands, and the portion of Lake Peipus that belongs to this government, and extends over 142 square miles. The population of Esthonia was estimated in 1846 at $310,400$.
Esthonia, which is called hy the native inhabitanta Werova, 'borderland'' or Meie-Maa, 'our land,' was suhjugsted hy the Danes in 1220, and in 1346 sold by them to the Tcutonic knights, whose grand master, the first duke of Livonia and Esthonia, acknowledged the king of Poland as lord paramount in 1561. After being an object of continned contest hetween the Russians, Poles, and Swedes, it hecame at length a province of Sweden in 1660. It was wrested from the Swedish crown by Peter the Great in 1710, and was ceded finally to Russia under the treaty of Nystädt in 1721. The extent of the coast is ahout 850 miles long, without reckoning its windings. The surface of the province is level, occasionally varied only hy isolated lills and eminences. The northern coast from Revel to the mouth of the Narova is several fathoms higher than the Baltic, and strewn with masses of granite : the western coast is lower, hut hoth are edged for some miles inland hy a deep hed of sand. The soil of the interior districts of Esthonia, which are the most fertile, is a mixture of loam, sand, and clay; in all parts are large swamps, many of which are impassahle, except when hardened hy the frosts of winter. The ratio of the cultivated to the uncultivsted and wooded soil hardly exceeds one third.

Esthonia contains 228 small lakes, besides the northern end of Lake Peipus. The Narova, which flows northward out of the Peipus into the Baltic, skirts the east of the government of Esthonia, hut the stream belongs entirely to the province of St. Petershurg. This province las no streams larger than rivulets or hrooks, some of which flow under ground, and occasionally con tain pearl-mussels. There are sulphureous and saline springe.

As tho province lies between $58^{\circ} 30^{\prime}$ and $59^{\circ} 40^{\prime} \mathrm{N}$. lat. the climate mist be severe, hut owing to tho proximity of the sea it is less so than that of some of the neighbouring provinces. The winter lasts from the end of October till May, and is very cold and stormy; there is hardly any spring, summer, which is short and hot, following almost immediately on the melting of tlie snow; the autumn is dreary and rainy, and the marshy soil then hecomes a sca of mud, impassahlo till the frost hardens it. Kain and snow often fall at the same time; mist prevails all through the ycar, and for weeks together it drizzles without either clearing up or coming to rain. In Octoher and Novemher the nights and days art scarcely distinguishahle, 80 dense aro the clouds. The summer nights, whicls are as light almost as day, and the Aurora Borealis in winter, are pleasant peculiarities of the climate.

The soil, though deficient in fertility, yields more than sufficient for the maintenance of the population. Agriculture is the principal branch of industry, and about one-fifth of the whole surface is under the plough. The chief crops are rye, harley, and oats; some wheat, maize, hemp, flax, hops, and tohacco are also raised. The surplis corn is used for making spirits. The Weissenstein districts, in the south-east, produce much hemp and flax. As the barvest season is attended hy heavy rains, the farmors have kilns in which the moist grain is dried, as descrihed in the article Courland, vol. ii. col. 615. Esthonia has large meadows, and produces ahundance of hay; it has likewise good grazing grounds. Vegetahles are of universal growth, but little attention is given to fruits. The woods and forests, componed of the fir, pine, elm, birch, larch, and beech, occasionally intermixed with the oak, alder, lime, crab-apple, \&c., spread over an area of nbout 3300 squarc miles; they are densest in the eastern districts of Wesenberg and Weissenstein. The land is in some parts manured with decayed wood.

Next to agriculture the rearing of cattle is the most important brancli of rural industry. The native horses and horncd cattle sre small. Large droves of oxen from the Ukraine are fattened for the St. Petersbing markct. The sheep are of the German white and black species. Goats, swine, and poultry are rcared in great numbers. Of wild animals, wolves are the most common; next come hears, lynxes, foxcs, badgers, martens, and squirrcls; a few elks are to be met with in tho Wesenberg forests. The fisheries along the const and in Lske Pcipns are very productivo. The mineral products are stone for building, potters-clay, and gypsum. There is abundance of peat, but wood is alone used for fuel.

The majority of the inhabitants are Esthouiaus: they are of Finnish descent, of diminutive stature, and have light-coloured hair, blue eyea, a small flat nose, and flattened face. The landholders are universally of German or Danish extrsction, and constitute the aristocracy of the country; and there are some Russians and a few Swedes and Finlanders intermixed with them. The estates are all large; their mansgement, the nature of the farm-buildings, and the relation between the sristocracy and the peasantry, are the same as stated in the article above referred to. [Courland.] But the dwellings of tho peasantry are in general wholly ivferior to those of the same class in Courland or almost any other part of Russia. The Esthonisn peasant's house has only one apartment, with one opening-the door-through which the smoke has to make its way, for there is no chimney. This apartment serves as bed-room, sitting-roon, kitchen, store-room, sheep-pen, and hog-sty. In these houses during the winter the men employ themselves in making sledge-runners, staves, hoops, wooden dishes and spoons, or in preparing sheep-skins for clothing. The women spin, weave, sew, and hleach, cut torches of hirchwood, and plait birch-bark into sandals. The peasants were formerly serfs hound to the soil, hut by a ukase of the emperor Alexander they are now bound to furnish only a fixed quantity of lahour (not the whole time) to their masters; and hy giving the lord half a year's notice, a peasant may quit the estate; hut as the lord manages to keep him continually in his deht, this abstract right is of little use to the peasant. The peasant cannot acquire or hold landed property; if he lesves one msster, it is only to place himself under another.

The Lutheran is the predominant religion of the province; even the Russo-Greeks have not more thsn eight or ten churches in it. The superintendence of all ecclesiastical affairs in the Lutheran Church is vested in the provincial consistory at Revel. The department of education, which includes a gymnasium at Revel and about fifty other schools, is under the control of the university of Dorpat.

The manufactures of Esthonia are extremely limited; the pessantry are clothed not only with linen but with coarse woollen cloth woven iu their own houses. The only estahlishments of any importance are in Revel, where hats, leather, powder and starch, vinegar, and some irou-ware are made. Ships and hoats are constructed in the capital and in the islands, and spirits are made on many estates as well as in the towns: the distilleries of spirits amount to nearly 400 .

All transports of corn and other articles are made in winter, and if the season is mild, sud consequently the forests and roads are marshy, communication hetween towns is cut off. In December, when the ground becomes firmly frozen, all the paths and roads are occupied by long files of sledges, each drawn hy one small horse and laden with a few small sacks of corn, hastening away to the sea-port towns. All forest-lahour is performed in the winter; in other seasons the marshy soil would not support the workmen. The quantity of wood used for fuel in the houses, distilleries, and kilns is enormous; the peasants' shoes and the hark for the house-roofs alone consume a lsrge number of trees.

Revel is the emporium of trade, but for want of water-communications it is not of any great extent. The exports consist of corn, brandy, salt-fish, skins and hides, butter, tallow, smoked herrings and salmon, and salt.

Though puhlic. affairs are administered on the same footing as in the other Russian governments, the country retains some vestiges of its ancient constitution, among which are-a provincial college or council, an inferior tribunal of justice, a consistory, and the right of making hrandy without a licence from the government.

Esthonia is divided into four circles. There is no town deserving the namo in the whole province with the exception of Revel, which is descrihed under its proper head. [REvEL.]

ESTISSAC. [AUbe.]
ESTRELLA, SERIRA D'. [BEIRA.]
ESTREMADURA, a provinco of Spain, is bounded N. by the province of Leon, S. by the province of Sevilla, W. hy Portugal, E. hy Castilla la Nueva, and S.E. by the province of Cordova. It is situated between $37^{\circ} 55^{\prime}$ and $40^{\circ} 32^{\prime} \mathrm{N}$. lat., $4^{\circ} 32^{\prime}$ and $7^{\circ} 26^{\prime} \mathrm{W}$. long. The greatest length north to south is ahout 180 miles; the greatest width east to west is ahout 130 miles. It is divided into the two following modern provinces :-

| Provinces. | Area in Square Miles. | Population in 1849. |
| :---: | :---: | :---: |
| $\underset{\text { Badajoz }}{\text { Caceres . . . . }}$ | 14,330 | $\begin{aligned} & 336,130 \\ & 264,988 \end{aligned}$ |
| Total . | 14,330 | 601,124 |

Surface. - A range of mountains, which is a continustion of the Montañas de Toledo, euters Estremadura from Castilla la Nueva, and crossing the province from east to west, joins the Serra de Portalegre ou the frontiers of Portugal. This mountain range divides the province into two nearly equal parts, of which the northern part constitutes tho modern province of Caceres, and the southern that of Badajoz. The northern part, or Caceres, is usually called Estremadura Alta, or Upper Fistremadura, and the southern part, or Badajoz, Estremadura Baja, or Lower Estremadura. This central mountain
range separatea tho waters which now northwari into tho Tagus from those whleh flow southwarl into the Guadinam The castern part, called the Sierra de Guadalupe, has an elevation of from $\$ 000$ to 6000 feet abore the sem; tho centrml part, called the Sierrm do Benito, andl the wetern, called the Sicma de Snn Pedro, wre mueh lower. The Sierra Morena entera Fistremadura from Andalusia, and fills up the whole of the southern part of the province with an irregular mass of hilly ground. The sipace botween this portion of the Sierra Morena and the central mountain mage is ocenpied by the basin of the Gnadiana, which exteude frou enst to west through the province of Badajoz, or sonthern division. The northern division, that of Caceres, is chioly occupied by the valley of the Tagus, which has also a direction from cast to west, and is closed in on tho north by tho Sierra de Gata, which enters Portngal, and the Sierra de Gredos, whieh exteucls ius south-western direction between the rivers Alagon and Tietar. Buth of these uountain ridges have a directiou from north-cast to month-west, and inclose between them tho valleys of the Alagon and other affluents of the Tagus.
The geological formation of all the mountain ranges of Fstremadurn comarts of olay alate altormating with quartzite, and pierced by masses of granite. Tho slates are generally of hlue and black chay, and the beda are in genernl highly inclined, some being almost vertical. The Fatremadura slate-formation extends tbrough the Sierra Morena to the Guadalquivir. The quartzite occurs in bods which aro intercalaterd with the slnte-beds, and is of a fue texture. Besides the granite other igneous rocks are protruded, forming considernble masses in themeelres, but small in comparison with the extent of couutry coverel by the slates A deposit of phosphorite of lime, $\Omega$ rare mineral, and valuable for agricultural purposes, occus in the clayslato between the towns of Guadalupe and Logrosan. It sometimes emerges from the surface, and is sometimes below it, in a bed which is in some parts 10 feet decp, and from 6 to $i$ feet wide. Lead, silver, iron, and copper, occur more or less iu all the mountain ranges, nnd are wrought in some places, but with little advautage.

Rivers. The two great rivers which flow across Estremadum are described separately. [Guadiasia; Thoes.] The other rivers of this province all enter the two great rivers. The Alagon rises in the Sierra de Gnta, sud flowing southwarl roceives the Jerte from the Sierra de Gredos; it then flows south-westward, and having received tho Arago united with the Gata, enters the Tagns on tho north hauk about 10 miles ahove Alcantara, after a course of about 70 miles Tho Tietar rises in the Sierra de Grodos, nnd flowing south-westward enters the Tagus, after a course of about 60 miles. The principal rivers which enter the Tagus on the south bank are the Rio del Monte and the Salor, the former having its origin in the Sierra de Guada. lupe, and tho latter in the Sierra de Benito. The rivers which enter the Guadiana on the uorth bank are all short, and flow from the ceutral ridge, the spurs of which iu many parts flank the river. The rivers which flow into the Guadiana on the aouth bank above Badajoz and the west bank below it, are numerous, and of cousiderable length, but of amall size; they all llow from the northern slopes of the Sierra Morena.

Climate and Productions. - The elimnte in snmmer is very hot, but is not unwholesome, except on the bauks of the Guadiana, which in several parts are uneleared and swampy, and infested with mosquitoes and other insects. In winter tho elimate is much milder than it is on the high plains of the Castiles and Leon, in consequence of which on the appronch of cold weather, the flocks of merino sheep, to the namber of more than three million, begin to travel from their summer pastures, attended by their shepherds sud dogs, and gradually take up their usual winter-quarters in listremadura. T'hese inigmenty fockn of sheep are called Los Trashumonten, and tho systen itself is termed tho Mesta.
Fistremadurn is naturally tho most fertile province of Spain, aud is capablo of producing rory large quantities of the finest wheat and other kinds of grain ; but vant districts aro nppropriated as sbeeppasturch, and others equally or more extensive are abiandoned as mere wanles overgrown with various specics of cistus (jamales) and other aromatic mlrubs. Fiverywhere except on the tops of the mountains the exuberant vigour of the soil is appareut. Under the liomans and Soors it was carefully cultivated, and still in many parts, aud under very imperfect management, produces large quantities of whent, ryc, barley, inaizo, Anx, garbanzos (the common pulse of Spain), wine, and olive-oil.

The swine of Listremalura are of great importance to the inhabitants, not only mapplying food for themselves, but on account of the pori, bncon, and hame, which are sent to the other provinces of Spain. Extenslve districtsaro covered with woods of oak, beech, nud cheaturte, the acornu and mant of which afford ahundance of provision for the swine. Cork-treen aro almo numerouk, and cork is exported. Olive-trees and fruitetroes flourish in perfection. Fame, both quadrupeds and blris, is sbundant; and thero is plenty of fish in the atreams and rivera. Honey and was are collected from the neats of the wild boes. The manfacturenare few, consisting chiefly of leather, hata, and coane cloths.

Tomens - Badajoz in the capital of Fistremalura and of the province of Bulajoz. [Badisoz.] The other towas of the province of Radajoz, are as follows:-1lluguerque, 22 miles $i t$ from lindajoz, is s small
town, with a fortifiel cantle, and a population of 5170. Jeres (Jercs) de los Caballeray, 12 miles S. from Bxhlajo\%, in a walled town, aud has some manufictures of leather, hats, coarse cloth, and soap. The population in 1545 wan 5628 . Jerema, 03 miles $\$$. lis. from Badajoz, standing at the Sicrra Morena, is an agricultursl town, ill-built, and in a state of decay. It has two claurches aud an hospital, and had in 1845 A populatlon of 6022 Modellin, 50 miles li. from Madajo\%, stands on the sontlı bank of the Guadiana, and lins a large but ruined castle: population, 2000. Corte wan born here in 14S5. Merida, 32 miles F. from lhadajoz, stands on the right or northern bunk of the Guadiana. It is tho limerila Augusta of the IRomans. The Gundinas is here crossed hy a fine loman bridge of 81 arches, nud 2575 feet in length. Close to the hridge is an old castle of considerable strangth. The town contains a large conpent, two churchos, nud a prisou, and a grent number of Ronnan remains, iucluding an amplithoatre, an aqueduct, a circus, baths, and n triumphal areh. It was takeu ly the Moors in 713 , and was fimally anuexed to the kingdon of Castilla in 1223. Tho population in 1815 was 4112 . Olivenza, 16 miles S.S.1. from Badajoz, stanls ou the eastern bank of the Gusdinan, in a fertile plain, and lias a good trade in wine, corn, aud oil. The population in 1815 was 7557. Zufra, 40 miles S.S.E. from Badajoz, is a very ancient town. It was the Julia Restifusa of the Romans it is full of remains of grand builduags, sueh as the palace of the Duke of Ferin, the convents of Sauta Marina and Santa Clara, which were desecrated and plunderal by the French, and other structures, some of which wero never completed : population, 4890.

Cacercs, 53 miles N.E. from Badajoz, is the capital of the prorinco of Cncercs. It was the Casira Crecilia of the Romaus. It stands in a district where large quantities of swine are reared, and is the priucipal place in Estremadura for the trade in bacon and hams, which are said to be excellent. The towu stands in an elerated situation, nud is kept clean by streams which also serve to irrigate the gardens, whence thers is a plentiful supply of fruit and vegetables. It contains four parish churches, a fine suppressed Jesuit convent, an hospital, and some remaius of sculpture in the plaza: population, 9520. Alcantara (in Arabic Al Kantarnh, 'the Bridge'), 60 miles N. from Baclajoz, stands on the south bank of the Tagus, just below the junction of the Alagon. It was the Norba Cusarca of the Romans, and is now chicfly distinguished for the maguificent bridge which they here constructed across the Tagus, and which, after the lapse of seventeen ceuturies, is still a solid aud substantinl structure. It was built by order of the emperor Trajau, in A.D. 105. The river is here Alanked by lofty rocks, aud tho bridgo is 245 feet above the usual level of the stream, which when low is about 10 feet deep, hut when flooded rises to a height of about 180 feet. The bridge is of granite, without cement, and rests on six arches: it is 600 feet long, and $2 S$ feet wide. One arch was destroyerl by the Enghish in 1800, but was repaired by them with timber in 1812. It was burnt by the Spanish aational troops in 1S36, and still remains uarestored with stone. The town stands on an eniuence overlooking the bridge. It was plundered by the lroneh under General Lapisse in 1809, and roofless houses and churehes deprived of their ormameuts still attest the state to which the iuvaders reducel it. The granite-built convent of San Beuito is almont a ruin. The ehurch is lofty, the slender pillars of the interior are elegat, and the high altar has somo injured pictures by Momles. The town formerly belouged to $n$ military order of monks, the liuights of Alcantarit, origimally founded in 1150 , In 1494 the king was appointed Mastor, their wealth was nbsorbed by the state, and the independence and importance of the order were at an ead. The population of the town in 1845 was 4273 . Almaraz, 85 miles N.E. from 13:idajoz, stunda nea. the north bank of the Tagus, over which there is here a stone bridge of two arches, 550 fect long, 25 feet wide, and 134 feet high, across a picturesque gorge. General Hill fought here a brillinnt action, in eonsequcuec of which he was made a peer with the title of linan Hill of Almanz. The place is a poor village, with a population of only 493, though it occuples a fine positiou wheuce four roads direrge in opposito directions. Curia, 75 miles N. by Fs from Badajor, is a decayed town, with a population of less than 2000 . It stands on tho northern bauk of the Alagon, which has hero chauged its course, learing tho luridge dry: the river is crossed by a ferry. The town way the Caurium of the lRomans; and the walls, of granite, without anortar, 19 feet thick, and of an average height of 30 feet, still remain. Tho walls are defended by towers; the gates have been modernised. There is an old gothic cathedral, the intorior of which is without aisles, aml resombles a lnrge college-hall. It coutaius some lnteresting sculpsurer. The town was sacked by the Freuch in 1809 , and was the winter. quarters of Lord Mill in 1812. Placencia, or Plascncia, 105 miles N.N.L: from Badajoz, is eucircled on the south by the river Jorte, which is hero erossed by three bridges. The town is inclosed by old walls with semicircular to wers, and is also defended lyy a castlo, now in a ruinons state. It is the sec of a bishop, suffragan to the arch. bishop of Santingo, and contains $n$ handeome but unfinished cathedral, a bishop: palace, seroral ehurches, and three or four large conrentual buildings, The town was plundered by the lrench in 1809, but still posserses many fine pietures as well ns sepulchral monuments sund other works of art. it is supplied with water by a long aquednet reating on 80 arches. It liss manufnetures of leather, hata, and woollen, linen, and hempen stuffe. The jopulation in 1815
was 6500. Tiujillo, 70 miles N.E. from Budajoz, is situated on a hill of granite, which has been protruded through the slate strata. The ancient city occupies the highest part, and is now chiefly used as a cemetery. The modern town is built lower down on the eastern side. The northern and western sides are rugged and precipitous. The upper town commands the surrounding plain. It is encircled by a wall with flanking towers of granite, and at the northern extremity is a castle, on the site of the ancient Roman fortress. The upper town was much injured by the French, but there are still some very interesting objects in it. The lower town contains a picturesque plaza, in which is the church of San Martin, with some curious tombs, the Casa de Ayuntamiento, or town-hall, the vast palace of the Duke of San Carlos, which was never finished, and other buildings indicative of the former grandeur of tho city. The strects are narrow and illpared, and the whole place looks poverty-strickcn. The population in 1845 was 5212 : they are mostly engaged in rural occupations, the only manufacture worth mention boing that of earthenware. Trujillo was the birth-place of Pizarro. Valencia de Alcantara, 43 miles N.N.W. from Badajoz, is a fortified town on an eminence near the frontier of Portugal. It contains a citadel and barracks, and has manufactures of leather, hats, and coarse cloths: population, 4700.
(Miñano, Diccionario Geografico: Madoz, Diccionario de España, Ford, Handlook of Spain.)

ESTREMADURA, a province of Portugal, situated between $38^{\circ} 6^{\prime}$ and $40^{\circ} 15^{\prime} \mathrm{N}$. lat., $7^{a} 43^{\prime}$ and $9^{\circ} 32^{\prime} \mathrm{W}$. long., is bonnded N. by Beira, S. by Alemtejo, E. by Beira and Alemtejo, and W. by the Atlantic Ocean. The greatest length north to south is about $135^{\circ}$ iniles; the greatest width east to west is about 80 miles; but the form is very irregular, and some parts are less than half this width. The area is 7242 sqnare miles. The population in 1850 was 748,461 . The province is divided into three districts, as follows :-

| Districts. | Square Miies. | Population in 1850. |
| :---: | :---: | :---: |
| Leiria | 1312 | 138,414 |
| Santarem . - | 2315 | 151,830 |
| Lisbon . | 3613 | 455,217 |
| Total . | 7242 | 748,461 |

Leiria comprises the northern part of the province, Santarem the central part, and Lisbon the sonthern part.

The three districts are subdivided into 25 comarcas, or judiciary divisions, 76 concelhos, er communal divisions, and 473 parishes, 8 s follows :-

| Districts. | Comarcas. | Concelhos. | Parishes. |
| :---: | :---: | :---: | :---: |
| Leiria | 5 | 10 | 109 |
| Santarcm | 6 | 22 | 144 |
| Lisbon | 14 | 38 | 220 |
| Total . . . | 25 | 76 | 473 |

Surfuce.-The mountain-range which in the province of Beira is called the Scria de Estrella, enters Estremadna, where it is unmed the Serra de Louzão, Serra do Junto, and Serra de Baragneda. It crosses the province in a direction from north-north-east to south-south-west, and terminates on the coast between Lisbon and Torres Vedras, where it fills up nearly all the country between the Tagus and the sea. The central rid.ge, or Serra do Junto, has an elevation of abont 2300 feet above the sea. Several offsets or spurs extend from it on both sides. Between Torres Vedras and Lisbon, i distance of about 28 miles, the ridges have a general direction from cast to west; and along the northern slopes of three of the principal ridges the Duke of Wellington, then Sir Arthur Wellegley, constructed the scries of defcnsire works called the 'Lincs of Torres Vedras.' The great mass of the Monte Junto advances directly towards the centre of the first of these ridges, but stopping short at a few miles distance, it sends a rugged offeet in a slanting direction towards the heights of Torres Vedras, from which it is only divided by a deep dcfile. This offset is
the Serra de Basagucda. The coast as far as Peniche, or about 50 miles north of the mouth of the Tagus, consists of rocky cliffe, the Cabo da Roca, opposite Lisbon, being 1920 fcet high. From Peniche to the mouth of the Mondego the coast is mostly low, and the country for gome distanco inland is flat, sandy, and barren, or covered with forests of pines. The valley of the Lis however, in which Leiria is situated, is fruitful and cultivated, and the sides of the hills are covered with plantations of olive-trees. The valley of thic Zezere and of the western side of the Tagns, especially about Thomar and Santarem, is very fertile, has good pasture-laud, and is also planted with vines, olive-trees, and fruit-trees. The country east of the Tagus is mostly low and flat, and in several places unhealthy; but the ground riscs towards Alentcjo, from which province scveral ranges of hills enter. Estremarlura. Oue of these ranges extends from Evora past Setubal, and terminates at Cape Espichel in the Serra de Arrabida, which has an elcration of 1740 feet.

Rivers.-Tho Tagus enters Estremadura about 15 milcs above Abrantes, and ham a western course till it reeeives the Zezere, when it
takes a soutlo-soulh-west direction, and enters tho sea beluw Lisbnn. [Tagus.] The Zezere, a large and rapid river flowing aloug the sontheastern base of the Serra de Estrella, enters Estremadura, and flowing first along the eastern base of the Serra de Louzão, takes afterwards a southern conrse through the plains of Thomar, aud enters the Tagus below Punhete. The otber rivers which enter the Tagus in this province are all small. On the right, or north-western bank, the only river of importance is the Azembuja, called also the Rio Mayor, which flows round the foot of the heights of Santarem, aud passing the small town of Cartaxo, enters the Tagus about 30 miles above Lisbon. The chief affluents of the Tagus ou the left bank are the Zatas and the Almansor; both flow from Alemtejo, and enter the river close together by the eastern of the two branches into which it divides above Lisbon. Several sunall rivers and streams enter the sea from the north-wcstern slopes of the great central mountain-range. The Lis flows by Batalha, receives the Lena below Leiria, and enters the sea abont 20 miles south of the mouth of tlie Mondego. The Alcoa, joined by the Baça, enters the sea below Alcobaça. The Arnoya passes by Obidos, and falls iuto the sea-lagoou of Obidos. The Marceira has a very tortuous course past Vimiera and Marceira. Tho Zizambre passes in frout of Torres Vedras, and flows west to the sea, tbrough the ravine which separates the Serra de Baragueda from the ridge of Torres Vedras. The two chief rivers of Estrcmadura south of the Tagus are the Maroteca and the Sado, or Sadra, both of which flow from Alemtejo, and enter the sea by the Bay of Setubal.

Climate and Productions.-The climate of Estremadnra is in most parts very salubrions. The breezes from tho sea and the monntains temper the air in summer, and the winters are very mild. The soil is generally fertilc, but some parts are sandy and swampy. Wheat, barley, nnd maize are cultivated, but wheat and flour to some extent are imported. Legumes and vegetables are produced in abundancc. Some of the wines are much esteemed. Olive-oil, cbestnuts, oranges, lemons, aud other fruits are grown in large quantities. Cattle and slieep are not numerons, but large numbers of swine are fed on the produce of the woods. Game is plentiful in the mountains, and fish on the coast and in the rivers. Therc are several minerals in the mountains, but none are wrought to any cxtent. The manufactures arc unimportant.
Towns.-The city of Lisbon (Lisboĩ) is the capital of tho kingdom of Portngal, of the province of Estremadura, and of the district of Lisbon. [LIsbon.] Alrantes, 80 miles N.N.E. from Lisbon, is situated on the northern bank of the Tagus. The town occupies an eminence, and is surronnded by old walls, ontside of which arc gardens and plantations of olive-trees. The Thgus is navigable by small vessels as far as Abrantes, which is by this means the medium of an active trading intercourse between Lisbon and the provinces of Beira and Alemtcjo. Large quantities of grain, oil, and fruits are sent down the river to the Lisbon market. The town contains four churches : population, 5000 . Alcocer do Sal, 50 miles S.E. from Lisbon, stands on the northern bank of the Sado. It is defended by a castle on a rocky height. The neighbourhood is marshy, and large quantities of salt arc made and exported : population, 2400 . Alcobaça, 63 miles N. from Lisbon, is situated at the confluence of the Baça with the Aleoa, whence the name. Tho town is small, but coutains five churches, one of which belongs to a Benedictine monastery which was one of the richest and most magnificent in Portugal. Several of the kings of Portugal were buried in it, and have monuments of bcautiful workmanship: popnlation, 2000. Aldea Galega (the Gallician Village) is situated at the bottom of a bay on the southeru side of the Tagns, nearly opposite to Lisbon, and abont 10 miles distant. It is a ferry-station on the ronte to Evora and Badajoz: population, 4000. Alenquer; 27 miles N. by E. from Lisbon, stands on the north bank of the river Alenquer, a small tributary of the Tagus. It contains five churches and an hospital, and has large paper-mills: population, 3200. Alhandra, 18 miles N.N.E. from Lisbon, is situated on the western bank of the Tagus, and has a small port: population, 1800 , who are chiefly employed in fishing, and in tile and brick works. Almaila, 6 miles S.S.W. from Lisbon, stands on tho south slore of the restuary of the Tagus. It has an old castle and a fort to defend the entrance of the rivel; and contains extensivo wine-stores: population, 4000 . Batalha, 7 miles S.S.W. from Leiria, is a small town, with a haudsome couvent and church of gothic architecture. It was founded by João l., king of Portugal, in comancmoration of the battlo of Aljubarota, fought in August 1385, when the Castilians were defeated with great slaughter: population, 1500. Caldas, 50 miles N. from Lisbon, is remarkable for its sulphur-baths, royal aud public gardens, and a fouutain of very fine workinanship: population, 1500 . Chamusca, 12 miles N.E. from Santarem, is situated near the castern bank of the T'rgus : population, 3200. Cood red wine is produced in the vicinity. Cintra, 15 miles W.N.W. from Lisbon, is situated near the northern base of the Serm de Cintra, which terminates at the lofty Cabo da Roca. The town is small, containing only about 1000 inhabitants, but is cclebrated for the picturesque beauty of the country in which it is situated, and the delicions climate. The La Pena couvent, now a rojal palace, crowns the highest summit of the mountain, the ruins of an ancient Moorish castle occupy another lofty ridge, and numerous villas are scattered about on the riehly-wooded sides of the hill. The yiew extcuds to the sea down tho beautiful ralley in which the small town of Colhares
in itmated, Lericrina, 27 miles N.W. from Liahon, ls a mall fishling town on the const, with n population of 2500 . Leiria, 75 mllen N.N.W. from lalabou, in the rapital of the dintriet of Leirin. oecupiea the augle formed by tho junction of the Leme with the Jiin It is dofenderl by a castle, and contnins a cathedral, two colleges, an horplen), and a emall theatre. Mnch of the town wan destroyel by fire when the French retrented in 1811, and the rchuilding was commenced by the Portuguene government in 1813: population, 2500 . Mafm, 20 milea N.W. from I.inhon, is a large village on the top of a hill, nod in front of a vant cdifice, which was n combination of a royal mance with a couvent $A$ wall 13 miles ln circnmference surrounds the royal huutingegrouuds belonging to the palace. Tho convent was formerly inhabited by 300 Franciscan monks, and soine of tho royal family genernily occupied tho palace, which still possesses one of the finest tibrarien ln Portugal. Tho palace as well na tho conventual buildinge aro fast falling into decay. The propulation of tho village is about 8000 . Obidon, 47 miles N. from Lisbon, stands on an eminence, and in defended by an old Moorish castle. There are extensive remains of a Roman aqueduct About three miles to the sonth is the atrong plosition of Roliç, whlch was stormed hy the Britlsh army, August 17, 180s: population, 3000 . Owrem, 12 miles S.E. from Leciria, is situated on an cuiluence, and is surromaded by wallm, and defeuded by a castle : population, 3700 . Palmella, 18 miles S. F. from Lisbon, occupies a strong position on the slope of a hill, which is crowned by a castle. It contnins two parish churches and an hosnital, and has a population of 2700 . I'unhele, 73 miles N.N.E. from Lisbou, stands on the castern bank of the Zezere, which is here crossed by a hridge. It forms a strong military position: population, 1100. farem, 50 miles N.N.E. from Lisbon, is the canital of the district of Santarem. It stands on the western side of the Tagus, and occunies the pummit and castern and northern sides of a hill. It contaivs sereral churches, and there are some palaces now iu a ruinous state, which indicate its former grandeur, when the court was held here in the 15 th century. The aljacent country is very productive, aud it hss a hrisk trade with Lishon hy the river: population, 8000 . Setubal, or St. Ubes (St. Ubes being a corruption of Setuhal), 20 miles S. Fi. from Lisbon, stands on tho north shore of the Bay of Setnbal, which there forms a large and deep harbour, hut the entrance is impeded by sand-banka. The quays aro wide and convenient. A fine valley extends to some distance round the town. The old walls of the town are in a ruinous state, and would now julleed be of littlo nse, owing to some adjacent heights which command the whole valley, and which are crowned hy two or three forts. The honses are tolerably good, hat the streets aro narrow, crooked, nad dirty. Thero are four squares, each supplied with a fountain, four parish chnrches, two or three hoenitals, and two schools for Latin and the sciencen. Great quantities of salt are made in the ncighbourhood, and tho exportation of this article, and of wine, oranges, aud lemons is considerahle. An active fishcry is also carried on: populatiou, 15,000 . Thomar, 75 miles N.N.E. from Lisbon, stands on the southwestern bask of the Nabão, a small affluent of tho Zezere, in a plain covered with gardens and plantations of olive-trees. The town is tolcrably well-bullt, and contains several fountains, two parish chnrclien, of which one is colleginte, and the fine buildings which belonged to the consent of tho military orier of Christ, whero the grandlprior resided: population, 3800 . Torres Vedras, 28 miles N.N.V. from Lisbon, stauds on the $\%$ izamhre, iu front of the first of the ridges which were fortified by Sir Arthur Wellesley in order to cunble him to resist the French army under Massena. The series of rodoubts, entrenchments, and other defences, were called the Lines of Torrea Vedras. Sir William Napier ('Peuinsular War') Enys, "The lines of Torres Yedms cousisted of three distinct ranges of defence:-1. From Alhandra on tho Tagus to the mouth of the Zirambre on the ser-coast, following the inflections of the hills, was 29 milem long. 2. The second line, traced at a distance of 6 to 10 miles ln rear of the first, stretcling from Quintella oll the Tacus to tho mouth of the St. Lorenza, was 24 miles long. 3. The third line, lotendell to cover a forced cinbarcation, extended from Passo d'Arcos on the Tagua to the tower of Junquern on the const". The poppulation of the town of Torren Vedras is 2300 . Vimiera, 36 miles N.N.F. from Lisbon, in a munall town about two minics from the mouth of the Maceirn Here Sir Arthar Wellesley defeated the French, August 21, 1809. This rlctory was the inmedinto occasion of the treaty for tho evaciantlon of P'ortugal by the French army, which has been improperly called the Convention of Cintra; It was signed Auguat 22, in the neighbourhood of the field of battle, and 30 miles distaut from tho town of Cintra, (Napier. 'Peninsular War,' vol. i.)

TSTHFMOZ [ALMTYeso.]
Es\%FE (Eweel, In Slavonle Oserl.), canital of Slavonia in Austria, in a rogal freo town situatel lua level and masalyy diantriet on tho right lank of the Drave, wall alout 12 milen above its mouth in the Danube Ite sito in that of tho Murnim, or Muran of tho lomann, whlch was founded A.D. 125 ly the emperor Indrinn, and afterwarils became the resldonce of tho Roman gorernors of Lower Pannonin It gave titlo to a blhon from A.D. $33 \mathrm{~B}^{3}$. It now consints of four quarters ; the prosent fortrem, begun under the emperor Leopold 1 . in 1712, and finlahed $\ln 1719$, in well huilt, containa 147 handsome and lofty hounce, an arsozal and burrack, and is regularly fortificd:
an orplando rums round $i t$, and to tho north-west of it stauds the Feloo-Varos (Upper Town), whleh lo appruahed by an avenue 1100 pmees long, ts tho residence of the merchants and doalera, and has well-nttendel faire. South-enst of the fortress lies the Alno- Viros, or Lower Town, the site of the muclent Mursa, whlch conslsts of broad and handmomo strecte, and has mome fine churches; and lu the enst is tho Now Town, comprosed rather of farms and garlens than of lines of strects. The fortress and suburhs contain altogether about 1800 houses, 5 IRoman Catholic churches, 4 clapels, a Greek church, and about 12,000 inlmbitanta. Thero are several haudsome buildings, such as the town-hall, tho house of assembly for the states of Veroce, the county in which Eszok is situated, the barracks, elıgineers' house, offccers' pavilion, and arsenal. 1inzok has a lloman' Catholic high-wchool, a gymnaium, a Greek seloool, a military cadet acadeny, and Franciscau and Capuchin nonasteries. A cansoway or bridge abont $2 \frac{1}{f}$ miles iu length, 55 feet in brealth, and of feet iu height, constructed in the year 1712, leads ncyons the Drave anel the swampa on its northern bauk into the IJungrian couuty of 13 manya With tho exeention of sorno silk-spinuing there is littlo meclannionl industry in the town. There is a conviderable trado iu grain, cattle, and rav hides. Steamera ply between Eszel and the towno ou tho Danube.

ETAMPES, a town in Prance, capital of an arrondienement in the department of Scine-et-Oise, is a first-class station on the Orleans milway, 35 miles S by W. from Paris. It is the seat of a trihunal of first instance, of a college, and agricultural society, and has a population of 8083 , iucluding the commune. The town stands iu $45^{\circ} 26^{\prime}$ $49^{\prime \prime} \mathrm{N}^{\prime}$ lat., $2^{\circ} 9^{\prime} 23^{\prime \prime} \mathrm{E}$. long., on the bank of two little atreams, that unite just below the town with the river Jnine (or, as it is sometimes called, the river Etaupes), which flows into the Essomo, a feeder of the Seine.
The town in mentioned more thau ouco in the chronicles of the first race of French kings. In A.D. G0t Clothaire II. was defented near Sampae (Etnmpes) hy his nephow Thierry, who here touk Merové prisoner, and soon after entered Paris in triumph. In the year 911 Etampes was burnt hy tho Northmen under Rollo. In the latter part of the samo ccntury, or the heginming of tho next, Constance, -wifo of Robert, king of Frnace, huilt here a castle, and Robert himself converted the enstle chapel into a collegiate church dedicated to Sainte Maric. In A.D. 1147 an asscmbly of the graudees of the kingdona was held in Eitanpes, a crusade was determined upon, and the Abbe Suger and Raoul de Vermandois were appointed regents of France in the abseuce of Louis VII. The castlo was hold for the king iu the 11 th and 12 th centurics by offieers who had the titles of Prévót, Bailli, or Vicomte. There was a Jewa' synagogue at E'tunpes, which, ou tho expulsion of that people from Frauco by Philippe Auguste, A.D. 1182, was couverted into $n$ church, that of Notre Dame, yet standing. After tho death of Philippe Augusto tho cnstlc of Etampes ceased to be a resideuce of kiugs, and was used as a state prison. In the 14th century Ftampes was given by Philippo le Bel to his brother Iouis, count of Erreux. The town and castle surrendered after a siego to the Bourguignons, who massacred tho Orleanist gurrison in 1411. In the 16 th century Etampes, with its territory or county, was erected iuto a duchy in farour of Jcnu de Brosses, whose wife was znistreas of Frauçois 1. Iu tho religious wars of France, A.D. 1562, the town was taken by the Germaus brought iuto Prunce by the Prince of Conde. In A.D. 1567 it was takeu by assmult by the Hugueuots; in 1589 it was the rendezrous of tho troops of the Leaguc, froin whom it was taken by IHenri III. In A.D. 1590 it was taken from the party of tho League, into whose hands it had ngain falleu, hy Heuri IV., who caused the fortifications of the castlo to bo razed. Tho town was unsuccessfully besicgod hy Turenue during the civil war of the Frondo in 1662. Iu thio revolutionary frenzy of 1502, n seditious band of about 800 men entered tho market-place, and fixed tho price at which corn must be sold. Simoneau, mnyor of the town, in opposing this violence aud in defending the freelom of trade, was murdered by the ruflians. The Natioual Assembly decreed that a monumont shonld be crected to his memory in tho market-square of Etampes; but tho decrec has not yet been executed.
The town is in a tolerably fertile valley. It is pretty well built, and surrounderl by shmiy promenades. The tower of Guivette is all that remains of the ancient castle. There aro four churcles. That of Notre-Dame has a lofty tower and spire; the semicircular archa may bo obserred in it. Tho architecturo and tho style of tho sculptures mark the edifice ns a work of tho 13th century. The church of St. Basil, founded hy King IRobert, has a handsomo portal decorated with graceful columns, and statuary represeuting a necne at the Last Judgment. The church of Sh.Giles is also very nucient, probably not later thau tho 1 th century; it has tho semicircular arch, with zigzag moulding. The church of St.ainartin is perlunps the fiuest ecclesiastical edlifico in tho town. Thero aro in the town several houses huilt about the time of tho revival of the arts. One of these, it is snid, was built and inkabited by Diana de Poitiers, duchess of Etampes, and mistress of Francois I. Tho towa-hall is an aucicut turroted huilding. Thero is also a large public gramary, threo stories lighl, capablo of containing wearly 1400 tons weight of wheat. Near the town aro remains of an nucient building, probahly of Roman origu, but propularly called tho 'Tower of Lrunehnut.' A modern castlo has been erected upou these ruins.

The population of Etampes manufacture soap, Ieather, woollenyarn, counterpanes, and hosiery; and trade in wool, corn, flour, and honey. There are more than forty mills of different kinds on the two brooks which water Etampes. Sandstone is quarried in the neigh bourhoon, and much garden-stuff is grown for tbe supply of Paris. The corn-market of Etampes is a very important one; it is held on Saturday in every week, sud attracts the farmers of tbe Beauce and Gatinais districts. A vast number of lour-mills in and about the town are constantly at work for the supply of Paris. Geoffroy de St. Hilaire was a native of Etampes.

ETHIO'PIA (Aiboria) was the name given by the ancient geographers to the countries south of Egypt. In a general and vague sense they called all the inhabitants of the south part of Africa, from the Red Sea to the Atlantic, Etbiopians. Herodotus (iv. 197) speaks of the Ethiopians as inhabiting the whole of South Libya (Libya with him being synonymous with our Africa), as distinguished from the Libyans Who inbabited the Mediterranean coast and the interior adjoining it. He also speaks of the Ethiopian Troglodytes (iv. 183) who lived to the south of the Garamantes, and tells strange stories of them; but these particular Ethiopians must be considered included under the general name. Strabo places the Hesperian Ethiopians near the Atlantic Sea, and south of the Pharusii and Negretes, who were themselves south of the Mauri. In this general sense, Ethiopians corresponded with the irhabitants of the countries south of the Great Desert, of which the ancients knew very little. Herodotus (vii. 70) also ay eaks of Asiatic Etbiopians, who formed part of the great army of Xerses, and of ong-lived Ethiopians (iii. 17), whom he places on the shores wa che southern sea; but tbeir localities are not easily determined. The historian however observes that the Asiatic Ethiopians were black, like those of Libya, but differed from them in laugusge, and had straight hair; whereas those of Libya had very curly hair, by which term some modern writers have somewhat hastily concluded that the woolly hair of the negro is intended. But Eastern Ethiopia, properly called Ethiopia above Egypt (Herodotus, vii. 69), and also Ethiopia Orientalis, was a distinct and better-defined country. It included those regions which we now call by the name of Nubia and Sennaar, with parts of Kordofan and the northern part of Abyssiniz: it may be said to extend from the debateable ground sometimes called Ethiopian Egypt on the north to the Abyssininn bighlands on tbe south, though on the south the limits were unknown or undefined; and from the desert on the west to the hilly and descrt country between the Nile and the Red Sea on the east. Meroë, which lay abovo the confluence of the Astaboras (Takkszzie) and the Nile, was the ancient capital of Eithiopis, in the linited and more definito sense of Ethiopia above Egypt, in which senso we shall now consider the term. The Troglodyta bordered upon Ethiopia to the east, extending along the coast of the Red Sea. To the went of Ethiopia were the Blemmyes, a berbnrian tribe, of whom wonderful stories wero told ns having no heade, but eyes and a mouth fixed in the breast.

The physical featurez of Ethiopia are described under Nubia and Sknvarr; Abyspini and Kordofan may also be referred to. Here, a few worls must serve to point out tho general character of the cocutry. Although Ethiopia was searcely so strictly confined as ligypt to the Valley of the Nilc, tbe Nile was the great contral fenture of the country, and along its banks the tornas and cities were nearly all placed; the high civilisation of Ethiopia was confined to the insular district of Meroï and the country known 凤s Ethiopian Egypt. The Eithiopian Nile is in many respscts a very different river from the Nile of Egypt. In the southeru part of the country both the White and Blue branches of the river receive numerous affluents. Tbe two streams join at Khartum, below which tbe Nilo traverses a gloomy defile for 14 or 15 niles, when it emerges as a broad majestic river into "immense plains of herbage bounded only by tbe horizon." Through these plains it flows past Meroö to Damer, where it reccives tbe Takknzzic, or Atbara, the Astaboras of the ancients, and the last afllueut of any consequence which the Nile receivcs. At its junction with tbe Nile the Takkazzie is said to be two-thirds of a mile wide; the Nile itself boing from a mile and a half to two miles wide. A little lower what is called the Fifth Cataract of the Nile is reached, aud thenceforward for more than 600 miles succced alternate rapids and catamacts, so that the river is of little service for navigation, While high limestono banks restrain its annual overflow, tho source of so mnch prosperity to the Egyptian territory. Tbe southern part of Ethiopia is humid, owing to tbe proximity of the Abyssinian highlands, and there is a good deal of fertile soil. Along the vast plains of the island of Meroc, and the country on either side, periodical rains are said to occur, and tho land supports a luxuriant vegetation. Nortb of Meroo' tho climate becomes more and more dry, and the soil (except where watered by the overflow of the Nile) nore arid; but the remains of rude canals prove that the ancient occupants of the land rendered it available for agricultural purposes by means of artifieial irrigation. In the northern districts however tbere must always have been much wasto and desert land; and both the east and west was a dry aud thinly-peopled country, becoming at length a sandy desert. As the land in tbe soutbern parts receded from the river it appeara to linve-been devoted to pasture, the inhabitants being cliefly herdenerl; beyoud wero jungles aboudiny with wild beasts, the proy of savage tribes who lived ehiefly by hunting. Some of the
border tribes, the Elephantophagi and Struthophagi, seem to have depended chiefly on hunting elephants and ostriches. In the northern hills were gold-mines, whicb yielded a considerable amount of trensure. Tbe Macrobii were workers in metal, aud had attained a high state of cultivation.
Ethiopia was a country early reduced to a fixed social state. Its religion and sacred language were the same, or nearly the same, as the religion and language of Egypt. Its government was monarchical, but the monarch was subordinate to an all-powerful hierarcby, more absolute than that of Egypt. Diodorus (iii. 6) says, "In Ethiopia, when the priests think proper, they send a message to the king with orders for him to die, tbe gods having so communicated their pleasure, which no mortsl should dispute."
It has been long a subject of discussion among the investigators of antiquity whether the arts of civilised life descended from Ethiopia to Egypt, or ascended from Egypt into Etbiopia. Here, as in many other contestod historical points, mucb discrinination is required; but the balance of probability appears to be in favour of the tradition that Ethiopia was the parent of Egyptian civilisation and religion. It was a very ancient tradition, that at a very remote period religious colonies came down from Meroö into Egypt. Herodotus (ii. 29) says, "At Meroë, the great city of the Ethiopians, the people worsbip only Zeus and Dionysus (Ammon and Osiris), and tben they honour greatly. They have an oracle of Zeus, and tbey make their expeditions whenever and wherever the deity, by his oracular answers, orders them.". Tho probable explanation of this passage seems to be that tbe priests of Meroë sent colonies into otber countries, and Egypt was aaturally one of the first lands to which they would resort. Tbe procession of the Holy Ship, with the shrine of tbe ram-beaded Ammon (tbe Zeus or Jupiter of the Greeks and Romans), which took plsce anuually at Thebes, and which was carried across the Nile to the Libyan side, and brought back after a few days, was said to be in commemoration of the first advent of the god from Fithiopia by the river. This ceremony is sculptured on several Egyptisn and Nubian temples, and especially on the great temple of Karnak. Homer probably alludes to it when he speaks of Jupiter's visit to the Ethiopinns and his twelve days" absence. Diodorus (iii. 3) says that "tbe people above Meroü worship Isis and Pan, and besides them Hercules and Zeus, considering these deities as tho chief benefactors of the human race." Heads of Isis have been found by Cailliaud at Naga, near Shendy (about $17^{\circ} \mathrm{N}$. lat.), in Upper Nubia, the eculptures bearing all the marks of an original style, though of a coarser art than that displayed in the ssme figures in the Egyptian templea. The head of Isis is placed above that of Typhou, as in some of tbe temples of Egypt. Tbese temples of Naga liowever may be supposed, from tbeir style and sculptures, to be of a later date than those at ElMesaourab, wbich are also in the district of Sheudy, in a valley in the desert, at some diatance from the Nile, and about 12 miles E. from Naga; tbey consist of eight temples of small dimensions, the largest, which stands iu tbe centre, being only 34 feet long, connected by galleries and terraces, with a great number of small chambers, the whole being surrounded by a double inclosure. There are no tombs nor remains of private habitations in tho neighbourhood. Traces of a large tank are seen, protected from the sand by mounds of earth all rouud it, the water of which served probably for religious aud other purposes. No sculptures or hieroglypbics adoru the walls; only on the six pillars which form the portico of the larger temple arc there hieroglyphics and figures in the Egyptian stylo. This temple seems to be of a much later date than the rest. (Cailliaud, 'Voyage d. Meroc̈.') It is supposed that this secluded inclosure may bave been the sacred city of Meroë, the college of its priests, and the original seat of the oracle of Jupiter Ammon, whence issued those religious colonics which carried religion and civilisation from Etbiopia as far as the Delta and the Oasis of the Libyan Desert. According to the tradition of the country the name of El-Mesaourah was that of the ancient fakirs, or recluses, wbo inbabited these edifices.
The ruins of Meroë itself are now believed to be those discovered by Cailliaud at Assour, above the conlluence of the Takkazzie and tbe Nile, and its situation betweeu the two rivers probably gave rise to the appellation of the Island of Meroö. Tbe extent of the ruins is said to be more considerable than that of Napata, near Barkal, or of any other place yet examined in Nubia; they are also iu general more dilapidated, and vast mounds of rubbish appear henped up everywhere, as if formed by the ruins of private as well as public buildings. The latter consist, as at Napata, of temples and pyramids. Of the temples there is not one the remains of which can be traced with any certainty ; the front wall of the largest appears to have been 25 feet tbick. The pyramids, about 80 in number, stand in groups on tbe borders of the desert. The largest is about 60 feet at the brse, but most of them are mucb smallor, and generally in a ruinous state. Most of the pyramids have little exterior sanctuarics attached to tbem, and in one of tbem Cailliaud found the roof arched witb a keystone, as in those of Mount Barkal.
The conncetion between ligypt and Ethiopia was renewed at various periods remots from eacb other, and under various circumstances. Herodotus says that he saw in tbe records of the priests of Memphis (ii. 100) 18 Etbiopian kiugs registored among the 330 successors of Ienes, wbo 1 receded Sesostris. Whatever we may thiuk of tbis scroll
of kings, atill it shows that a tradition existed of a very remote jnatucnee of Withiopia over Fsypt. This perhape was the eproch when tho worship of Ammon and Oairis was iutruduced into the lattor country. Oairis, coording to tradition, led a colony from Ethiopis into Figspt, which received also from the pareut state the practice of deifying linge, together with hioroglyphical writing, the usage of ombalming, the whole sacred ritual, aud tho forms of their sculptures. (Diodorus, iii. 3.) Sesostris is said to have absequently conquered Fithiopia; but this was probably a partial incurxion, for Ilcrodotns may that E'thiopin was never cunquered hy any forelga powcr. Wo hear nothing of the intercourse between Ethiopia and kgyjut for many centuries aferwards, during which the latter country made great progress in civiliation and the arts, and built its stupendous monuments. In the Sth century sc. the Ethiopian invasion of Egypt took place, and Sabakos, an Ethiopian king, reigned over both countrics. Herodotus, who lived between two and three centuries later, says that Sabikos eracuated Egypt in obedience to an oracle, a circumstance which, if correct, shows that the power of the Ethiopian hierarchy still continued in full rigour. Still we find othor Eithiopian kings ruling euccesavely over a least part of Eigypt; among theso was Tirhakan, meutioned In the Scriptures as having fought against Sennacherib. (2 Kinga, xix. 3.) This period of rencwed intercourse between Esopt and Ethiopin, under circumstances highly farourable to the latter, was probably the time wheu the improved arts of Egypt were introduced into Fihiopia, and it was theu perhaps that the splendid structuren of Mount Barknl were executed. Again, uuder the Ptolemies there is eridence to show that the Greco-Eigyptian colenies found their way in to the regions of the Upper Nile and along the shores of tho IRed Sea, and even as far as Axum and Adule in Abyssinia [ADULE; AxUX]: these colouies or adrenturera probably spread tho Egyptian arts as improved by the Greeks into Ethiopia, All thesu vicissitudes may account for the rarious styles of building and sculpture found along the banks of the Upper Nile. The monumeuts of Assour and El-Mesaourah are probatly older than those of Niaga, and these much older than those of Barkal, which appear to be anterior to the temple of Soleb. Wo know from a passage of Diodorus that after the Ptolemies came to reign in Egypt a great change took place in Ethiopinn politics. In the time of the sccond Ptolemy the Ethiopians had a king, Ergamenes, who had a knowledge of Greek manners and philosophy. Being weary of the yoke of the lierarchy be went with a band of soldien to the inaccessible placo (by some supposed to be Barkal, but more probably the sacred inclosuro of Meroé, El-Mesaural), which coutained the golden temple of the Eithiopians, and massacred all tho priests.

Of the mannem of the Ethiopians we know little, except what we may infer from their monuments and the scanty records we have of their religion and institutions, as abore stated. Their sacred lawguage appeara to have beeu the same as that of the Egyptian priesta. From some sculptures at Barkal it has boon supposed that human sacrifices Fere occasionally offored. A peculiarity in the Ethiopian institutions is, that their women somctimes went to battle, and wero not excluded from the throne. Strabo (Casauh., p. 820) speaks of tho Ethiopian warrior queen named Candace. (See also 'Acts of the Apostles,' viii. 27.) Ou the propyla of one of the temples of Naga, besides the liero or king, is a female figuro likowise of regal dignity, with a large knife iu cach hand, going to cut off the heads of a number of captives; the vulture is hovering over her head. The figures of both kiug and queen are remarkahle for the magnificence of their dress, nud thouglt they have many characteristics of Egyptian style, they are nuch thicker than tho Ligyptian form, cspecially the femalc, which is ramarkably largo from the vest downwards. (Cailliaud's Plates, 14. 10.)

After the Romans becnme possessed of Egypt, we rescl of several cxpeditions into Eihiopia, hut of no permanent impression made by theus upon thint region. Caius Petrouins, prefect of lisypt uuder Augustum, is maid to Lavo advnaced ns far as Napata, called Teuape by Dion, the firat town of Eithiopia after Mcroce. Ile defeated quecn Condace, who wam obliged to sue for pence. But the I Romnns ultimatcly kept none of their conqueate in that quarter. In subscquent times it appears that they conquered again, and retained a strip of territory along tho hanks of tho Nile of scren days mareh above tho first calaract, Uut thin was given up hy Diocletion to tho Nubs or Niabstic, on condition that they should prevent the Ethiopians and the IBlemmyes from atlacking Egyt. Of the vicinsitudes and ultimaie dimmenlerment of tho ancient kingdom of गlerou wo have no laformation.
The carly Clariatian hintorinas neem to rostrict the name of Eithiopifme to tpeople occupying part of the conntry now called Abysuinia I'mcopins surd Cedrenus call the Axumites Lithiopiana. [ADule; Axex.] From those times the usme of I:thiopia has been given moro particularly to Abymainia, and the Gecz, or sacred lauguage of that country, has been called Ethiopian.
The origin of the namo 'lithiopia' In uncertain. Salt arys that Itiopjawan is the favourite term by which the Abyaininns designate thicpelven; but this name Fas probahly introrluced among tho Abyminiars by the half Grecks of thi kinglom of Axum. The word lu Oreck has tho apprearance of baing rignificant, nad ls sometimen interpreted 'durk-coloured;" but liko masy other Greck uamen of
nationa, it is probably a mative Asintio or African lerm corruptod into the semblanee of a genuine Greek word.

Ethiopian Languaycs.-Under the geveral designation of the Ethiopian langungos, three different dialccti aro usually comprinorl- wamely, tho ancicat Eithlopian, or Geez, tho Tignd, and tho Amharic. The aucient language properly called the Ethiopian is uow extiact, or at leant survives only as the language of books and of learncel men (whence it is also called 'leaana mashaf', or Look-language) ; and its place is now supplied by the two other dialecte, of which the Tigro approaches nearest to tho lithiojic, whilst the Amharic has more widoly departed from it.

The Ethiopian belongs to the family of lnuguagen nsually called the Scmitic, and among them it shows the closent affinity to the Arabic. It is written from the left to the right, in a peculinralphabet, which however appears to be of Semitic origin. Tho alphabet consists of 26 consomants and 7 vowel sounds; but the intter are not expressed by distinct charactera, uor by points or acconta, hut hy slight chauges in the shape of tho consouaute, so that each character represents an entiro syllable. Gesenius calculates that about oue-third of the roots and primitive words of the Ethiopian language exista alao in Arabic; and a considerable portion of the remainder is fould in Hebrew, or in the Chaldeo and Syriac dialects.

Tho litcraturo extant in the Ethiopian language is almost cxclusively bihlical and ecclesiastical: among the chief works are - a complete translation of the Old and New Testament, made hy an unknown author from the Alexandrian text of the Greek version, probably not anterior to the fth ceutury; and an apocryphal writing, peculiar to themsclves, called the book of llenoch. There cxists moreover a translation of the Didascalia, together with 50 cmones and 81 constitutioucs or rules of the carly Christian chureh, cousidered by the Lithiopians as apostolical; beaides a collection of the decrees of the councils, cxtracts from the writings of the carly fathers, liturgies, martyrologies, and histories of saints. The profano litcrature of the Ethiopians comprises several chronicles.
(Hceren, Ilistorical llesearches; Gau, Antiquites de la Nubic; and the antiquarian works of Rossellini, Wilkinsou, \&c.; 'Egyptinn Antiquities, in Lib. of Lint. Knoviedge; Cailliaud, l'oyage a Merod ; aud the Travels of Rüppell, Waddington, Lord Valeutia, \&c.)

GTIENNE-DE-BAIGORRY. [PyRėNEES, Basses.]
ETIENNE-EN-DEVOLMY. [ALPES, HAUTES.]
ETIENNE-LES-ORGUES. [ALPES, BASsEs.]
ETLENNE, ST., a large manufncturing town in the department of Loire in Franco, stands iu a uarrow rallcy ou the Furens, a small feeder of the Loire, iu $45^{\circ} 20^{\prime} 9^{\prime \prime} \mathrm{N} .1 \mathrm{at} .4^{\circ} 23^{\prime} 43^{\prime \prime}$ E. Soug., 258 milesS.S.E., from I'aria, and has 53,741 inhabitants including tho communc. It is situated at the junctiou of the railroads that lead to Lyon and Roanne, from which it is distant respectively 35 and 51 miles; and to tho two towns just named railways from Paris are uearly complcted, one through Dijon and Chalou, the other through Orleaus and Bourges; the latter is completed to Varenncs within 30 miles from IRoanue. By these railroads, hy the Loire, which is uavigable from Roapne, aud by the Rhone, the coals and other important products of St.Eitimno find ensy and rapid outlcts to all parts of France. The clder part of the town is ill built; tho modern part is well huilt, with epacious squares, lofty houses, wido and regular streets; and the whole, always enveloped in the dense sureke of its numerous worksliops amblectosies, is superlatively dirty. The finest strect is that through which the road from Paris to Marscilles runs; it divides the town iuto two uearly equal parts. Iu the middle of this street and of the towu stauds the town-house, which, withs the exception of au ancieut chureh that dates from the IIth century, is the most romarkable structure in Sin-Etienne. The handsome obelisk, fountain, and the termini of the railroads to Lyon and lloanno, also deservo attentiou. The town is well lighted with gas, St. Ftienne stands in the centre of one of the most important coalfields in France, from which about 300,000 tons of coal are rised aunually. It is esjecially fanous for the manufacture of silk-ribnnds and fire-arus, jucluding rifles and fowling-pieces. Its ribunds, whicls aro exported to nll parts of the world, aro uncqualled for richuess of colour and heauty of patteru; of the quantity mauufactured au idea may be formed from tho stntement that their value amounts annually to upwards of $40,000,000$ franca When goverument orders for firo-arms fall off, the workmen turn their atteution to making fowling-pieces, of which 30,000 a jcar aro sonnctimes dinpesed of, hesides a great number of pistols, \&c. The mauufacturo uext in importance is that of hardware and cutlery. To theac leadiug objects of industry are to be added manufactures of scythes, nails of all kinde, eav-blados, foils, anvils, vices, files, silk and cotton velvets, \&c. The town has also nany djehouscs and tanyards; and in the suburb of Terre-Noiro thero arc important iron-forges and furnaces.

St.-Eticuuo is tho seat of trihunals of first instauce and of commerce : it has $n$ consultative chamber of manufactures, $n$ couucil of I'rud'-llommos, a collcge, in achool for deaf mutes, a mining school, a small theatre, a publio library, and a muncum which contains a colIcction of tho minerals and fossils of the neighbourhood and also specinens of the staple manufactures of the town.

According to some necounts the town originated in a Roman station named Foruu, wlteuco the towu and river were anwed by corruptiou Furcns and Furnnia: sccording to others it sprung up round a castle
built here in the 10 th century by the counts of Forez. For some centuries after this last-mentioned period Furania was a small plsce of no importance. In the troubled reign of Chsrles VII, the townspeople obtained permission to inclose their town with walls. In the civil wars of the 16 th century it was taken and plundered. From 1585 to 1629 it was three times visited, and all but depopulated, by destructive plagues.

ETIVF, LOCH, an inland lake in the northern part of Argyleshire, branching off from the Linnhe Loch, and running about 20 miles inland, first in sn easterly and afterwards in a north-easterly direction. It varies in breadth from half a mile to two milcs. The Awe River falls into it at the village of Bunawe, which is about half way up the lake. On the north side of the loch are the ruins of Ardchattan Priory (near the modern mansion), the scenc of a parliament held by Robert Bruce after his victory over the MacDougals of Lorn. The priory dated from the 13 th century. Near Connel Ferry, farther down the lake, is a vitrified fort; and on the southern side of a projecting flat rock at the mouth of the loch, are the ruins of Dunstaffnage Castle, captured hy Bruce. It was previously the stronghold of the MacDougals, and since then it has been a royal castle. From this castle the stone in the coronation-chair in Westminster Abbey was removed to Scone Palace, whence it was taken by Edward I. Loch litive is navigable for small coasting-vessels. Besides the Awe, the Etivo River at its south-eastern extremity, and one or two small mountain-streams, fall into the loch.

ETNA. [ETNA.]
ETON, Buckinghamshire, a town and the seat of a Poor-Law Union, in the parish of Eton, is situated on the left bank of the river Thames, in $51^{\circ} 23^{\prime}$ N. lat., $0^{\circ} 36^{\prime} \mathrm{W}$. long., distant 42 uiles S.S.E. from Buckingham, and 22 miles W. by S. from London by road. The Windsor station of the Great Western railway, which is ahout three-quarters of a milc from Eton, is 21 miles distant from London; that of the SouthWestern railway 1826 miles from Londou. The government of the town of Eton is parochial, but without churchwardens. The district is under the management of a Local Board of Health. The population of the parish in 1851 was 3666 , besides 130 in Eton College, which is extra-paroclial. The living is a rectory iu the peculiar jurisdiction and incumbency of the Provost of Eton College. Eton Poor-Law Union contains 19 parishes, ehapelries, and hamlets, with an area of 41,560 acres, and a population in 1851 of 21,482 .

Fton, though in a different county, forms in effect one town with Windsor. The lino of houses is interrupted only by the river Thames, which is crossed hy a cast-iron bridge, erected in 1824 by Mr. Hollis. Eton parish church, a chapel of ease to the Collcge Chapel of Eton, formerly the parish chnrch, has been recently erected, in great part by subscription. This church is a handsome building in the early English style; it was consecrated June 1st, 1854, and alvantagcously replaces the former brick edifice. The spire forms a very ornamental feature in the general landscapo. The building cost abont $8000 l$., of which the Queell and Prince Albert contributed a portion; part was also contributed by the College authorities, and a considerablo amount hy old Eitonians. The sittings are all frec. The town consists chiefy of one long street, which is well paved. The collegc, and the tenants of the college property, pay for the watching. lighting, and sewerage of the college district. Porny's Charity school is for the education of 60 boys and 30 girls. Eton College is the distinguishing feature of Fiton, and has rendered the town famous for four centuries.

Eron Colleor was founded and endowed by Henry VI. as the 'College of the Blessed Marie of Eton by Wyndesore.' The foundation charter, which is in good preservation, is dated at Windsor, 12th September, 1440 . It was confirmed by Act of Parliament at Westminster, May $4 \mathrm{th}, 1441$. The original foundation was a provost, 10 priests, 4 elerks, 6 choristers, 25 poor grammar scholars, with a master to teach them, and the like number of poor men. It now consists of a provost, 7 fellows, 2 conducts, 7 clerks, 70 king's scholars, 10 layclerks, 10 choristers, and a number of infcrior officers and servants. The scholars must be born in England, of parents lawfully married. By the foundation statute, they should be clothed in some coarse uniform, but this is not done; and their education should be gratis, but a sum of $6 l$. or 7l. a year is now charged for their instruction. Practically, however, the children of persons who are really poor do not pay anything; but geuerally speaking, there is littlo difference in the relative situation or comparative opulence of the parents of the oppidians (scholars who are not on the foundatiou) and the collegers. The foundation scholars are admissible from the age of eight to sixteen, and unless clected at the age of seventeen, and put on the roll for admisrion to King's College, Cambridge (another foundation of Henry VI.), they are superannuated at eighteen. The scholars who are elected may continue in college till nineteen; and even at eightcen they may leave the college and coutinuc as oppidians. The annual election to King's Collego takes place in July or August, after an examination of the upper class by the provosts of Eton College and King's College, Cambridgc, the vice.provost of Eton, two fellows of King's College, called 'posers,' and the head master of Eton. The successful candidates are not immediately transferred to Cambridge, hut remain at school until a vacancy occurs on tho foundation of King's College. On their removal to Cambridge the Eton scholars are received on tho foundation and maintained out of its endowments,
and after three jesrs they succeed to fellowships. On an average four scholars go to Cambridge yearly. There are two scholarships at Merton College, Oxford, for foundation scholars who are not elected for King's College, Cambridge. There are some other exhibitions, amongst which are several for superannuated scholars. In 1829 the Duke of Newcastle founded and endowed three scholarships of the vslue of $50 l$. each; and in 1842 Prince Albert instituted an annual prize of $50 l$. for promoting the study of modern languages. Besides the scholars on the foundation, Eton College is attended by about 600 scholars called 'oppidians,' many of whom are the sons of persons of rank and fortune, and board with the masters, from whom they receive instruction as stipendiary pupils. The school is divided into an upper and a lower, and each is subdivided into threo classes. There are a head master and a lower master, 12 assistant-masters in the upper school, and four in the lower school, and a mathematical master. There are masters for the French, Italian, and German lsnguages, and other branches of education.
At the dissolution of the monasteries the revenues of Eton College were estimated at 1100 . In 1506 the total income of the college was $652 l$, and the disbursements amounted to $645 l$. The income of the college from its endowments at present amounts to about $7000 l$. a year, derived from its reserved rents, corn-rents, sale of woods, and also from manors, by fines and heriots.
The college buildings forin a conspicuous and ornamental object, especially if viewed from the terrace of Windsor Castle. They consist of two quadrangles, built partly of freestone, but chiefly of brick, in a style somewhat resembling the north front of St. James's Palace. In oue quadrangle are the school and the chapel, with lodgings for the foundation scholars; and in the other are the library, which contains a rich and valuahle collection, the provost's house, and the apartments of the fellows. A few years back the college was considerably enlarged. The new school buildings, which have a frontage of 120 feet, form an elegant structure in the Tudor collegiate style. They are devoted to masters' apartments, separatc sleeping-rooms for the 49 senior collegers, a boys' lihrary, museum, \&c. A sanatorium for the scholsrs has also been rccently erected. The chapel, which is built of stono, is a handsome structure, though much less elaborate than was intended by tho founder. Its length is 175 feet, including an ante-chapel, which is 62 feet long. It has receutly been restored with grest care and at cousiderable expense; and the stalls of the most discordant character, which were erected by Provost Godolphin, have been replaced by elegant gothic canopies. Several modern painted windows contributc to the oruament of tho chapel. In the centre of one quadrangle is a hronze statue of Henry VI., and in the chapel is another statue of the same king by Bacon. The cxtensive playing-grounds on the northwest of the college are ornamented with numerous stately trees.
(Lipscomb, Buckinghamshire; Land We Live In, vol. ii. ; Communications from Eton.)
ETRU'RIA was the name given by the ancient Romans to onc of the principal divisions of Central Italy: it was bouuded E. by the Tiher, W. hy the Mediterranean, or Tyrrhenian Sea, and N. by the river Macra and the Apennines. By the Romans the inhabitants were called indifferently Tusci and Etrusci, though Tusci appears to be the older form. The Groeks called them Tyrrheni, or Tyrseni (Tupppyol, Tuponvol), and the country Tyrrhenia. The most ancieut Roman form, Turscus, has been idcntified by some modern scholars with the Tursenos of the Greeks. The natives of Etruria, however, called themselves Rasena or Rasenna.

Respecting the origin of the Etrurians there has been much diversity of opinion among modern writers, arising from the couflictiag character of the aucient traditions of their migrations, and the statements of Greek and Roman writers concerning them, together with the entire absence of any production of an Etruscan poet or annalist. The most commonly received theory is that founded on the tradition preserved by Herodotus, which makes the Etruscans to have been a tribe of Lydians, who, on account of a protracted famine, left their country under Tyrrhenus (or Tyrsenus), the king's son, aud settled in this part of Italy, having vanquished its earlier occupants-the Umbri or Siculi. They took the name of Tyrrhenians, or Tyrsenians, in honour of their leader. This is the theory accepted by most Greek and Romsn writers (seo the list of subsequent authorities in Dennis's 'Etruria,' vol. i. p. xxxii.), and also with more or less modification by many recent ones. But this tradition did not meet with universal acceptance even among ancient writers, haviug been expressly rejected by Dionysius on the ground that Xanthus, a vory early Lydian historian, does not mention any such colonisation, though he speaks of others, which render such a one the more improbsble; whilst Hellanicus makes the Tyrrhcnians of Etruria to be Pelasgians who had migrated from Thessaly. Diouysius however rejects the Pelasgic origin also, and asserts his belief that the Jitrurians were an aboriginal or indigenous race, they heing wholly dissimilar in manners, religion, and language from any other pcople. This opinion has found a hearty supporter in Micali, a reccnt Tuscan author of considerable reputation, but out of Italy it has met with little acceptance. Niehuhr was the first to show clearly that the Etruscans were in reality a mixed people; and ho conjectures that they were formed probably of two leading races,-the Pelasgi, who occupied chiefly the southern parts of Etruria, and were much the more numerous, but existed mainly in a
state of raealace, baving been connnered by the other race, a tribe of northera invaders from the roountains of Ihaetia-the true linsenn or Etrumana Thls hypothoais, oven when not almitted by later writers, las conaderably modifert their viowa Muller ('Strunker,' vol. i.) has made an ingenious effort to reconcile these theories ly supposing that a body of Tyrrheuinn Pelaaglans who hal noteled carly on the Lydian catst, being compelled to inigrate, repalred to tho coast of Feruria, and there fomadal the oltien of Tanyuiuli and Argylhn mingling gradually with the Etruscans or laoena of the Interior, whom with Niebuhr he auppoes to have come orighnally from the Thretinn Monntains Lepsius again discarde altogether the hypothesis of a moparate 1ation of lisaens, and supposes tho Etruscans to bo derived from a mixture of the invading lelagians with the Umbrians, the original occupants of the country; and Denuis, who supports the l.gdian origin of the Etruscans ('Etrurin,' vol. i. Int.), wliile admitting the connection of the IRsena with the lhoetian and Noric Alps, appeare inelined to adopt the asertion of Llvy that the emigration was from the plaine to the mountalns on the invmion of Porale by the Gauls

While therefore it cannot be snid that anything like agreement has set been arrived nt rupecting the origin of the Etruscaus, wo may perhape venture to aseert that certain conclusions have been pretty generally admitted. Their mixed origin, for instance, is cloarly esta Llished. Unfortunately, the Etruscan language is still an almost unknown tongue; but it is not now doubted that while it is radically dintinct from the other languages of Italy, it has many words and inflections In common with 1ts nearest neighbour, the Umbrinn; at the same time the rescarches of Lepsius and others have shown that it has an unqnestionable Pelasgian clement, and those of Steub appear to prove Its connection with that once spoken in the Rhretian Alps and even now not wholly lost; while Klenze, Schwegler, and others have sdduced agruments tending to establish the affinitles of the Rasenic element with the Gothic or Scandinavian group of the IndoTeutonic. On the whole the view which seams inost to aecord with the prasent state of our knowledes of Etruris is that the original occupants of the noil were Umbrians; that $n$ tribo of l'elasgians invaded the country and obtained possession of the southern portion of it, and a dominant infuence over the wholo; that at a later period a tribe from the Rhootinn Monntains descended upon the land and subjugated the dominant Pelargians; and that these three rsces gradually intermingled, and from their union sprang the Eitruscans properly so called.

Sereral centuries before tho time aseigned for the building of Rome we find these Tusci or Ftruscl settled in Italy, both north and south of the Apennines, in the plains of the Po, and on the banks of the Amo. They had extended their dominions across the ceutre of the Pezinsula from the Adriatie to the Mediterrancan. Cupramaritima, now Grottamare, in the territory of Fermo, on the Adriatic coast, and Cupm montana, which stood near the banks of Esis, not far from the present village of Masaccio, in the province of Ancona, were Etruscan colonies Of the great plain of the l'o, the Etrusci occupied the central part, from the left bank of the Ticinus and the right bank of the Trohuia, which separated them from the Ligurians on that side to the Athein, or Arlige, which divided them from tho Venoti, who remained in pomemion of tho coast of the Adrintic as far as the mouthe of the Po. (Livy, v. 33.) South of the Po the Ligurians retainerl possemoion of the highlands of the Apennines as far eastward is the sonrces of the Arno, which river formed at, first the boundary between them and the Etruscans, who afterwards extended to the Macra, where they built Lnna. The Fitruscan towns in the plain of the l'o are sald to have been twelve, like those of Middle Litruris, south of the Apennines; but Mantua nad Felsina (Bologna) were the only two remnining in the time of Pliny. The other had been dentroyed by the Gauls leng before. Tho Etruscan origin of Adria has bees dipputed. For the names of the other Etruscan towns north of the Apennines nee Mazzocehi 'Catalogo alfabctico do'Luoghl compreai nell' Etraria circumpadana,'
Towards the sothth, Etrurin in known to have extended as far as the Tlber previous to the existence of Roine. But the Eitruscans at one periol went also far beyond that river. There was a tradition of their lewing congucred the Voleci, who afterwards recovered their independeace. (Servius in 'Nineid,' xi. 567.) Their regular settlement in Campania, where they are maid to hare also built twelve towns, Wh lowever of a later date, probably in the 2nd or 3rd century of Ilome, when the Fitrumean power, soutls of the Apennincs, was at its height, and after they had lost by the Gallie irruption all that they nossenod is the plain of the Po. The Eitruscan colony founded at Capua would fall, according in Cato's internent, about tho year 283 of Rome. The war of the Fitruncann against Coma, In which they were defeated by the Syracuanin in a 13 ral fight, had happened some time bofore. Accorling to this calculation the Fitruscan dominton in Cempania did not continue long, is the country whe conquered by the Samniten about the jear 330 of Rome. The extent of the Etruscan ponemions in Compania, and the number of towns which they built or colonised there, In a mattor of mach doubt (Niebuhr, rol. 1. "On the Opricans and Ansonians," and, for a conficting oplajon Sicali, roI. 1. clusp. 7.)

The permanent power of the Etrucane las in Fitrurit Proper, or Etruria Media, on it has Also been called, which corremponds in great
mearuro to the prosent Tuscany, wlth the addition of that part of the Papul Slate which llew on the right bank of the Tiber. For a geogrnphical deacription of the country we refer to Tescasy. The Eitruscaus had twelve pribeipal states, each having its representative city, all situatod betwem the Arno and the Tiler, for the country between the Armonad the Macra was manexed at a later period by conquest over the Ligurians Finch stato formed an inclependent community, the twelve being bound together by a sort of loose confederacy : at times incleed very loose, for we find repeatedly one atate going to war without the nasistance or interference of the rent. Of the twelve cities ne complote list is premervel by any ancient writer, eight are zentioned by livy ( $x \times v i i f .45$ ) on the occasion of his onumerating tho allies who voluuteered to nsist iu equipping Scipio's armament against Carthage. Modern authors lave differed as to the enumeration of these twelve cities; wo adopt that of Dennis, which appears to be sunctioned by ancient writers ; in the south wero Tarquinil, the oldest and chief city of Etruria, Veif, Falerii, Cerre, aud Volsinii ; iu the north Vetulonis and llusellac on the coast, Clusium and Arretium in the valley of the Clanis, Corytnm and Perusia on the heights near the Thrasymene, and in the extreme north Volaterrae; but somo other towns have stroug claims to be reckoned among the twelve, the members of which probably varied at different periods of Etruscan history, some of the newer towns as Capena, Fesule (Fiesole), and Populonium taking the place of Vetulonia and one or two others which fell into deany. Besides these there were numerous other towns, some of which acquired considerable celebrity either on account of their atrength or opulence, or of their historical associations.
The sites of the twelve representative cities appear to be as follows :-Tarquinii, the modern city of the same name [Tarquinu]; Veii, near the rillage of lsola Farnese (Demnis, rol. i. p. 2.); Falerii at Civita Castellana; Cerse near Cervetri, between Rome and Civita Vecchia; Volsinii near Bolsesa; the unost probable aite assigned to Vetulonia appears to be between Maglionia and the sea, from which it is about 5 miles distant (Dennis, ii. ch. 48): Rusellae, on the slope of Mosconn about 5 miles N. from Grosseto ; Clusium, Curosi ; Arretiunn, Arezzo; Corytum, Contosa; Perusia, Perugla; Volaterrae, Vol terra. Of all these towns vestiges more or less perfect and extensive are yet remaining; of some indeed the sites are only marked by heaps of shapeless and half buried ruins, others are scarcely traccable among the buildings of the more recent towns which occupy their place and yet bear their name, but of some the ruins are still such as to command admiration as well as respect : and besides theso the massire walls and extensive fortificatious, and the numorous extraordinary tombs with their rich and various contents, belonging to tho many other towns of Etruria which hare been laid bare by Italian antiquaries and treasure seekers, attest the wealth as woll as the populousnes of the country. For, as Mr. Dennis observes, "Etruria was of old densely populated, not ouly in those parts which are still inhabited, but also, as is proved by remains of cities and cemeteries, in tracts now desolated by malaria, and relapsed into the desert; and what is now the fen or the jungle, the haunt of the wild-boar, the buffalo, the fox, and the noxious reptile, of old yielded rich harrests of coru, rine, and oil, and contained numerous cities mighty and opulent, into whose laps commeree poured the treasures of the East, and the more precious produce of Hellenic genius. Most of these sncient sites aro now without a habitant, furrowed yearly by the plough, or forsaken as unprofitable wildcruesses ; and such as are still occupiel are, with few exceptions, mere phantoms of their pristine greatness-menn vlllages in the place of populous cities." ("Citics and Countrics of Fitruria, i. Int. p. xxix.)

Such of the twelve cities as have the places which now occnpy their sites printed In the above enumeration in small capitals, will be found noticed and their more important remaios mentioned under the titleso indicated; for more full descriptions of them, as well as of all the principal places where Etruscau remains have been discovered we refer the remder to the work of Mr. Dennls above quoted, which will indeed be found by the general reader a sufficiont guide in every branch of Ftruscan antiquitios.

The little we kuew of the antional hlstory of Etruria previous to its wars with Rome, is gathered from fragments and incidental notices in Greck and Reman writers. The Etruscau power appenrs to havo been at its height in the Srd century of Rome, about the begimning of the 5th contury before Chriet. Their dominion exteuded over the country of the Umbrinns to the Adriatic ou one side, and to the Gulf of Luni on the other; and this also was the period of their naral greatues, when their powerful flects mecurod for them an almost undisputed supremacy orer the adjoining sen, which derived from them the name of the Tyrrheninn. After Porsenna had dietated a humiliating peace to Rome, the 'rucaum orerran Latlum, and conquered Campania. They at first allied thenselve with their maritime rival Carthage agninst the Phocreans, who had settled at Alcria In Corsica, bnt afterwards the allies quarrulled together for the possession of that island. They fought against the Cumnns nod Syracusans united about the year 270 of llome, and wero defeated. IIalf a century later they lost Campanla to the Samnites, after which the Romans began to encrorel on that part of Eitruria which lay between Mount Ciminus and the Tiber. Voii was the first Etruscan city that fell by the Romnn arms ; Faleril and Fesconula next; then

Sutrium submitted; Cerw and Tarquinii became the allies of Rome; and the Ciminns ridge with its haunted forests formed the boundary between Rome and Etruria. The Roman arms halted nearly a century longer before they passed that boundary. The total defeat of the confederated Etruscan forces at the lake Vadimonis, in the year 444 of Rome, opened to the Romans the access into the Etruria Transcimina. Vulsinii and Vnlcis fell before the slow but sure progress of their arms; the other cities, such as Arretium, Perusia, Volaterrae, Populonium, disguised their submission noder the name of alliance, but Etruscan independence was gone. This appears to have been a period of general corruption of manners, when all national spirit and independence became extinct, but wealth, luxury, aud internal peace remained, and sensual pleasures were the chief occupation of the people; and this was also the time when the earlier Roman writers who speak of the Etruscans, such as Plautus, Cato, and Varro, became acquainted with that people. The wars and proscriptions of Sulla gave a final blow to the existence of the Etruscans as a nation; their towns were destroyed, and their lands were given to military colonists. The proscriptions of Octavianus after the battle of Perusia, completed the desolatiou of Etruria. The language itself gradually became obliterated among the people, and was only known to the priesta, With whom it became finally extinct, probably by the spreading of Christianity in the 4th century of our era.

With regard to the political and sucial institutions of the Etruscans, We onght to bear in mind that all the accounts we have of them were written after their subjugation to Rome, and that a nation which had a political existence of eight or ten centuries must have undergone considerable changes in its manners and institutions. All the accounts are agreed in representing the Etruscans as forming a confederacy of twelve principal cities, each of which was a sovereign state, and ruled over the population of its respective district. Mention is made of a general annual assembly of deputies from the cities; but the ordinary meetings appear to have been rather for religious than political purposes, though they were made available for discussing measures which concerned the general welfare; yet it appears certain that the decisions of the assombly were not binding on the respective cities. In the city itself were two onders, the hereditary families of patricians, or scnators, and the commonalty. Political and religious power were in the hands of the former, who elected from their own body the annual magistrate called 'lucumo,' or 'lauchme.' We know that the lucumo occasionally contrived, especially in times of war, to protract his term of office, and sometimes to retain it for life; but all attempts to make it hereditsry appear to have failcd. The patrician and hierarchical order appears to havo maintained to the last its sway among the Etruscans, the arts of divination, of which it was in exclusive possession, being a powerful instrument in its hauds, among a people so much fashioned to religious observances and rites, for repressing all attempts of the commonalty. Accordingly, we hear of no struggles of the kind in Etruria, as at Rome; bnt we hear of revolts of slaves against their masters, as in the case of the Vulsinii, for the Etruscans had numcrous slaves. The country* people were mostly serfs, probably the descendants of the conquered Umbri and Pelasgi. The sway of the Etruscans over the people whom they couquered appears to have been mild: they did not destroy their towns, but surrounded them with walls, or bnilt new ones; they tanght them agriculture and other arts, and they instructed them in religion.

The Etruscans were celebrated among ancient natious for their strong attachment to their national religion, which was bound up with all their institutions and habits. It was partly of native, partly of oriental invention. They believed in two principles, a good and an evil one, each having its respective agents or genii, and their paintings and sculptures are often representative of the perpetual struggle between the two. Their three chief deities, whose temples were in cvery Litruscan city, Were Tinia (Jupiter), Cupra (Hera, or Juno), and Menvra (Jinerva). Twelve gods, six male and six female, formed the upper hierarchy. Nine great gods (Dii Novensiles) had the power of hurling the thunderbolta, The most awfil and mysterious of their deities were the shrouded gods (Dii Involuti), whese behests, gods as well as men were forced to obey. Other inferior divinities presided over the variaus clements and phenomena of this earth, as well as over the occupations and domestic comforts of man. Among the most characteristic features of the Etruscan mythology were the female deity Lasa, or Mean, the goddess of Fate, so frequently represented in Etruscan painting, winged, and with a hainmer in her hand; the more awfnl deities of the lower world, Mantus and Mania (the Etruscan Plato and Proserpine), with Charon, the messenger of death; and the Genii, the tntelary apirits of every individual, with the Lares, or presiding spirits of families. Their religion was distinguished by the fulness and minuteness of its ceremouial observances, and especially by their attention to divination and augury. From some sculptures found on their monuments it appears that the offering of human sacrifices was at one time in practice among them. The Romans regarded the Etruscan religion, in all its parts, with great veneration, and borrowed largely from it. Cicero speaks very favourably of Etruscan theosophy, saying that they referred everything to God, and that all their religious institutions were studiously calculated for the prosperity and security of the state.

The Etruscans were fond of good living and of sumptuous
banquets, and they are called gluttons, fat, and corpulent by the Roman satirists. Virgil (xi. 735) accuses them of being given to all kinds of sensual pleasnres. Their women seem to have had no great reputation for chastity (Plantus, 'Cistell.' 2, 3, 20; and Horace, iii. 'Ode' x. II; and see Dennis, v. i., Int. p. xlii. note 9) ; yet we find the female sex in higher honour among them than among most nations of antiquity. The women reclined at table on the same triclinia with the men, as appears by their monnments. Their funerals were pompons, and accompanied by athletic gamcs, but the combats of gladiators appear to have beeu of late introduction.

Although there may in recent times have been often entertained a somewhat exaggerated uotion of Etruscan civilisation, there can be no doubt that Etruria was by far the most cultivated aud refued natiou of ancieut Italy. Rome, as well as a great part of Italy, is acknowledged to have derived its earlier civilisatiou from Etruria. No Etruscan writings have come down to us, yet there is ample ovidence that Etruria possessed a national literature; not only are ber sacred books, histories, and poems spoken of by ancient writers, but the names of many of her authors are mentioned; indeed, it was customary for the Romans to send their sons to Etruria to be instructed in her higher learning. In the arts the Etruscans had made great progress. As Müller however very jnstly observes, Etruscan art in general was imitative rather than creative, and at every period it bore the marks of a foreign influence. And, accordingly, Dennis, whilst asserting that a distinct national character is generally preserved, admits that Etruscau art is most properly divided into threo styles, distinguished by the predominant foreign influence:-" 1 st, the Egyptian, which has also Babylonian analogies; 2nd, the Etrnscan, or Tyrrhenian, as it is sometimes called, perhaps in compliment to its more than donbtful Greek character; 3rd, the Hellenic, when, in the meridian of Greek art, the Etruscan was an almost servile copyist of the Greek artist ; 4th, the period of decadence."

The existing monuments of Etruscan architccture are merely such rude and massive structures as the walls of cities, sewers, vanlts and bridges, and subterranean tombs, which, though they afford evidence of the power, wealth, and censtructive skill of the people, arc quite insufficient as examples of their architectural ability. Of their temples, the works on which their highest art would be exercised, not a vestige is extant beyond some doubtful foundations. Wc know howover from ancient anthorities that their architects wcre of eminent merit, and that their public and private edifices were richly adorued. But they seem to have turned their attention particularly to works of a practically useful kind, and they were renowned for their success in the art of fortifying walls, the laying out of streets and roads, and the construction of sewers. The Cloaca Maxima at Rome was an Etruscan work; and it shows that they were early acquainted with the use of the arch, though it is not colrect to assert, as is often done, that the arch was an Etruscan invention. The walls, which still exist on the site of the ancient cities, aro formed in the southern parts of Etruria of large irregular blocks, not fastened by cemeut, but rudely squared aud laid in horizontal courses; in the northern parts they are more massive and rude, having a general resemblance to the Cyclopean walls of Central Italy. The best preserved aud most interesting of the monuments of Etruria are the cemeteries; which, though presenting many varieties, are all subterranean. Where the site admits they are hollowed out of the solid rock, which, in the better class, has received some architectural deceration. Where the rock is friable the tomb is constructed with masonry, on which loose stoues and earth are heaped so as to form a tumulus. In geueral the interior is made to resemble all abode of the living. The walls are often painted with mythic or festive scenes, "The ceilings are sometimes adorned with coffers, and the walls with panelling; benches and stools surrouud the chambers; weapons and other furniture are suspended from the walls; and easy arm-chairs, with foot-stools attached, all hewn from the living rock, are found in the subterranean bouses of these Etruscan "cities of the dcad.'" (Dennis.)

Of Etriscan painting we can now best judge by the examples ou the walls of the painted tombs of Tarquiuii and Clusium. They are of very different dates and style, but generally display rude and couventional design, inaccurate and archaic outlines, and uunatural, or rather fantastic colonring. The carlier examples are decidedly Egyptian in manner; the later arc of Aeginctau typc: Copies of some of these paintings may be seeu on the walls of tho Etruscan room in the British Museum. The paintings on the vases are often of a much superior order, but it is probable that they are the work of Grecian artists.

The sculpture and carving of the Etruscans in marble aud wood was not greatly celebrated by ancicnt writers, and the specinens of it discovered in the tombs, though very numerons, aro not of a superior order. But the bronze statnes of Etruria were very famous; they filled the temples of Rome, aud wero songht after all over Italy. The Etruscans themselves seem to liave greatly delighted iu exhibiting them. The city of Volsinii alouc is said to have coutained two thousand bronze statues. Some of them were of great size; that of A pollo, on the Palatine, is said by Pliny to have been 50 feet in height, and as wonderful for its beauty as for its wcight of metal. Several of tho existing specimens of bronze statuary are of superior design and execution. Smaller works in bronze, lares, penates, and figures
of various kinds must have been produced in marrellous quantillea, innumemble apecimens oven now being diffued through the muscums of Furope. The unoful and omamental works in the anme materinl, and in gold, wero aloo famous; thelr bronze candelabra and mirrors, and gold criters and eups, being engerly sought for by Greeks au well as Romans; and, as with their larger works, their skill in theso is attested by many existing specimens of excoeding beauty.

The works by which Eitruscan art is commoniy supposed to bo charncterised aro the painted rases usually termed Etruscan, which form so striking a featuro lu our museums. They are found in rast numbers in the tombe of Firuria, but they are aleo found in Cam[anis, the south of Italy, Sicily, and oven in Greece; wheuce, as the wabjects painted on them are Greclan in design, and always belong to the Grecian mythology, and the names of Greek artists, as well as Greek wordn, ire freqnently found on them, it is evidcut tlrat they are the work of foreign and probably of Greek artizans. The ouly point on whlch authorities row differ is, whether the vases wero imported Into Eitrurin or were made by Greek workmeu who were settled therc. Of the great skill of the Etruscans in the mannfacture of pottery there is no question, but the only kinds now assigned to thesn with any certainty are the red ware of Arretium and the black ware of Clusium. In the prorluction of statues, bassi-rilieri and ornaments in term-cotto, the Etruscans greatly excelled. Not only were their own temples adorned with terra-cotta work, but cien some in Rome reccived similar decorations. They were also skilled in working iron and steel ; copper and silver; in the manufacture of all kinds of weapons, domestic utensils, den, and indeed in sll the ordinary handicrafts. They were likewise noted for their superiority as agriculturiste ; and they understood what has been termed acricultural engineering, being celebrated for the practice of filling up mankes by diverting into them the course of muddy streams, an art still practised with success in Tuscany under the name of 'colmate.' The invention of the termini, or stones fixing the limits of property, is attributed to them. From the Etruscans the Romans derived their method of dividing the months by Iles, Nones, dic., their system of numerals, and also their divisions of weights and measurcs.
(Micali, Antichi Popoli Italiani, and Monumenti Inediti; Dempster, De Etruria Regali, with the coutinnation by Passeri; Inghirami, Monwmenti Etrusehi ; Abeken, Miltel Italien; Lepsins, Tyrrhenische Pelamer in Etrwrien; Steub, Urbewohner Ihäliens; Gerbard, Bunsen, \&ec, in the Annali of the Instituto di Corrispondenza Areheologica, at Ilome; Muller, Etrusker; Dennis, Cilies and Cemeterics of Etruria.)

PTSCII. [ADIGR_]
ETSHMIADZIN (Echmiadzin) is an Armenian convent in Russian Georgia, situated about three hours distance ( 15 miles) west from Erivan, in the plain which sepamtes the mountain masses of Ali-Gheez and Ararat, and iu that part of it that lies between the Zenghi and the Kharsalh, feeders of the Araxes. The conveut is of great extent, and surrounded by a wall more tban thirty feet bigh. The circuit of the wall is stated to exceed two versto, or ncarly one mile and a half. This convent has for many centurics been tho seat of the Armenian patriarch called Catholicos. Within the inclosure are several distinct ehurchee, each surrounded by a high wall flanked with round towers. All these churebes are rudely built, cruciform, and surmonnted each by a sort of cupola that rises from the centre of the roof and is crowned by a low spire. The masonry of all the buildings and walls is very solid, the material a deep red-sandstone. Fronting the principal gate of the cathedral are the apartments of the Catholicos and the other bishops (for each church has its bishop). The cells of the mouks are along one sile of the centhedral-square, and the refectory - A long raulted chamber with tablcs aud benches made of massive blocks of stoneon the other. Outside the cathedral, near the door, is a wbite marble monument to Sir Joln Macdonald, tho English minister, who died some yearn ago at Tabriz. Anong the other structurea may bo inentioned the Synodal llall, a long room hung round with portraits of the old Armenian kiugs. The Catholicos presides over the synod, but the emperor appolnts a moderator, without whose concurrence nothing can be decreed-a condition which renders the Czar virtually head of the Arwenian church. The convent contains a library, in which are 635 manuscriplo ; of these 402 are in the Armeuian languago, aud the remainder ln forcign languages. A catalogue of the library was pabliahed at' $8 t_{\text {. Petersburg in } 1840 .}$
(Onseley; Ker Iorter; Wilbraham, Trarets in the Trans-Caucasian Prorinees of Rusria.)
EU, town in Frasce in the department of Seine-Inferienre, the seat of a tribunal of commerce and of a college, is situated on the left bank and near the mouth of tho little river limesle, midway between Abbovllle and Dieppe, 91 milea N.N.W. from I'aris, and has about 4000 lnbabitanta, including the whole commune. In the middle ages Eu became a strong and fourinhing place; but on the thrcat of a descent by the English It was burnt in 1475 by order of Louis X1., and has never recovered. Only the churches and a few houses that were overlooked ewcaped the genernl deatructiou. The mnseive ruins of the walls and towers yet remain.

Eu has sevoral elsurches: the fiucst, that of Notre-Dame, is a large and beantiful gothic strueture, lighted through magnifieent insinted windows The cryit contnins the smomusents of the counts of lisu, of the louse of Astoins The college clurch contains the monumeute of
the Duke of Guise, surdered at Blois in 1588, and his wife, Catherine of Cleves. Both of theo churches are claseed among the lintorical mouuraents of F"rance. There is na bonpital attonded by Sisters of Charity. The raarket-placo is good. La Chanssée d'Ens is a suburb of liu on the opposite bank of the Brasle. Tréport, at the mouth of the river, is the port of liu [Seise-Infemiecre] The manufactures of Eu are linseed-oil, soap, locks and other ironmongery, leather, cotton and woolleu yarn, glass, wail-cloth, linen, and lace. Eu traden also in corn, hemp, flax, wool, and tiuber. The products both industrial and agricultural of the neighbourhood of Fin fiud an ontlet at Treport, whence they are conveycd in small cometers chicdly to the several townsalong the Somme and the Lower Scine. The species of timber exported are onk and beech, whicls are used for ship Uuilding, for making stares, \&c.

The territory of Eu was given, with the title of count, by Richard I., duke of Normaudy, in 996 to his natural son Geoffroy, whoso family held it till 1227. The county uext came to the honso of De lriemse, in which it remained till I350, when on the death of linoul de Brienue it was given to the house of Artois. The bouse of Cleves afterwards inlicrited it, and in their favonr the county was crected juto a duchy in 1539. In 1570 Catherine of Cleves brought the duchy of Eu into the house of Gnise by her marriage with Henri of Guiso (le Balafrí), who was murdered at the parliament of 13lois. On the death of bis mother in 1638 Charles of Lorraine took possession of the duchy, and bis son lleuri sold it for $2,500,000$ fraucs to Mademoiselle do Mont pensier, who made a present of it to the Duke of Maine, the natural son of Louis XIV., in order to obtain the liberty of Lauzun. On the death of the heirs of the Duke of Maine their inheritance fell to the Duke of Penthière, whose daughter and heiress brought the county of Eu into the family of Orleans by her marriage with the late Kiug Louis Ihilippe's fathor.

The chateau of Fu, which stands in a splendid park traversed by avenues of noble bech-trces, and commands fine riows of the valloy of the Bresle and the sea, occupies the site of a fortress built here by Rollo. In the beginaing of the 11th century Guillaume d'Exmes added to the fortreas a castellated residence for bis family, and closo to it erected the abbey and collegiate cburch of Eu. In 1049 the castle whs taken and plundered by William the Conqueror, who gave it to Robert Guiscard, who enlarged and improved it; aud bere soou after the marringe of Willian with Maude of Flanders was celebrated. This castle was eutirely destroyed when the order of Louis XL, above alluded to, was executed in 1475 . The present chateau was commenced by the Duke of Guise (Le Balafre) in 15\$1. Nademojselle do Montpensier, whose shade seems still to hover about the spot, inclosed the park with walls, planted the trees which now form sueh noble alleys, and built a small cbateau which was destroyed mider Napo leon I. The Duke of Peuthievre repaired aud furnished the chateau. By a decree of the revolutiouary goverminent, dated Oct. 1, 1793, the chateau, then in possession of Louis Mhilippe's nnuther, was seqnes. trated, the fumiture sold by auction, aud the building couverted into a military hospital. The events of 1814 restored the property to the Duebess-dowager of Orléans, and her son Louis Philippe commenced the restoration of the cbateau in 1821, and frcquently resided in it in summer after his accession to the throne: here he was visited by the Queen of England in 1843. The apartments coutain the most complete collection of historical portraits iu Europe. Wheu the impotent endeavours of wrangling democrata to govern France were put an end to by Louis Napoleon assuming deppotic power, Dec. 2, 1852, one of the first acts of the uew governmeut was to canpel the sale of the Oridans property; but we are umable to say who is uow tho possessor of the cháteau of Eu.
EUBEEA (EKBosa), until lately called Ncgropont, is an island of the Mediterrancan, lying along the coasts of Attica and Boootia, from which it is separated by the Euripus, a very narrow chanael, over which a bridge lias been thrown, connecting the island with the mainland. Euboca is 90 miles in length in a uorth-west dircction, and 30 milee in extreme breadth; but in one part, between Aliveri Bay and Port Petries, it is searcoly 4 miles across from shore to shore. The popuIntion in 1851 was 65,066.

The island generally is elevated, and contains among its nonntains some of the lighest in this part of Jiurope. Mount Delphi rises on the eastern shore to the leight of 7266 feet above the sea, and its sumanit is scarcoly cver frce from snow; Slins of Karystos, at the southern extremity, is $4 i 48$ feet higb; Mount Khandhili, 4200 feet, and Telethrius, 3100 fect, are both on the western shore north of Egripor. 'lise general formation of these mountains is gray. limestone, with much clayoslate. The small peuinsula to the uorth-west, which teruinates in Capo Lithada, is nountainous, and contains oue clevation, Mount Lithada, which riscs to the height of 2837 fect above the sea. A little south of the point where this peniusula joins the mass of the island, and on tho west const opposite to Bocotia, is Monut Telethrius, with some hot springs near its base. From Telethrius the mountalas spread out north-cast to Cape Amoni, the most mortheastern point of the lelasd, and eastward to the coast, filling the northeris jait of the island, and containing several elevations above 2000 fect. Along the northern const of the island, opposito to Thessaly, and strctehing at the base of this mountain group, in the fertile and extcmaive plain of Histiaca South of 'Telethrius there is high
land, with some iuterruptions, along the west const as far as Cape Politika: within these limits is Mount Khandhili, near the coast, and another mountain 2694 feet high. Between Cape Politika and Chalcis, and extending several miles inland, is the fertile plain of Chalcis, bounded on the north and north-east by the high mountains which extend to the eastern coast. The ceutre of this mountain mass is Delphi, already mentioned, and it contains several other elevations which are between 4000 and 5000 feet. South of the narrow channel on which Chalcis is situated there is a tract of lowland along the Bay of Vathia, backed by the range of Mount Vathia ( 3821 feet), which appears to be separated by a depression from the group of Delphi, and forms part of the south-east boundary of the plain of Chalcis. Farther south, and near the west coast, there is also the plain of Aliveri. The rest of the island south of Aliveri, along the west coast, and the whole of the eastern coast from the plain of Mandhoudi, appears to be mountainous. The southern extremity of the island is filled by the mass of Mount Elias ( 4748 feet), which presents to the Archipelago an iron-bound and dangerous coast.

To tho southward the plains are generally cultivated with corn and olives, but those to the northward, called the Plains of Histiaea, are more particularly devoted to the vine, from which a light red wine is made, which is the common beverage of the Greeks, and forms a staple article of trade. The wine is kept in pig-skins, well coated with resin, which communicates its unpleasant flavour to the coutents. A deleterious ardent spirit is distilled from the husks of the grapes. Cotton is also planted more to the northward.
The passage between Thessaly and Euboca, called the Trikiri Channel, from the town of that name at the eastern entrance to the Gulf of Volo, is about four miles in average width; the narrowest part, which is towards the western extreme, is not quite one mile aud a half: the depth of water is regular, steep from both shores, and decreasing gradually from about fifty fathoms at the entrance to thirty fathoms towards the western end of Negropont, off which lie some small rocky islands called Lithada Islands. Passing these islsuds, and turning to the southward, is the Gulf of Talandn-so called from the town of that name on the Bocotian shore. A remarkable feature in this part of the channel is the amazing depth of water under Mount Telethrius, where for about twelve or fifteen miles there is no bottom with 220 fathoms within half a mile of the shore; but from this point the water shoals gradually towards Chalcis. Towards the north-west extremity of this shore there is a very safe aud excellent harbour, ealled Port Ghialtrn, or Port Kalos. There are two villages on its shores, Chialtra to the westward and Elypros to the eastward : near tho latter aro some ancient remains and beautifully-sculptured fragments of white marble.

In the southern part of the channel there are many islands along the Eubcean shore, which offer good anchorage, more especially among the Petalion Islands, which abound in rabtits, but possess only one spring of fresh water. Tho bed of this part of the channel is level, but compared with the northern part it is shallow; the general dopthyis from 35 to 40 fathoms.

The eastern side of Eubcea is a continuation of rocky coast, the high land desceuding precipitously to the shore with few interruptions of level grouud, and this ouly, as already mentioned, towards the northern part of the island. In the bight between capes Doro and Octonia, it is an unbroken liue of precipitous shore, in which it is scarcely possible to find a ravine sufficiently wide to haul a boat up. Frarments of wreck are found at the height of 80 feet perpendicular, washed up by the heary sea which a northeast wind throws into this bay. These winds, which always blow very strong, are called by the Greeks 'meltem,' prohably a corruption of 'mal tieupo.' In additiou to this, the Dardanelles current, proserving the course communicated to it by the direction of that strait, sets strong to the south-west into this bay, and reuders it a most dangerous coast; no vessel once embayed here can escape destruction. The current being deflected to the southward sweeps rouud Cape Doro, frequently at the rate of 3 miles an hour. Port Petries is the only refuge which this coast offers, and so little has hitherto been known of this shore that even this shelter has only recently been discovered. The village of Kumi, in the bay of that name, is populous, and leing celebrated for its wine, has considerable trade in that article by the small cailques, which however are always obliged to be hauled up on the beach for safety.
Immediately opposite Chalcis the land rises suddenly to hills of considerable height, beyond which lie the plains of Thebes, which town is distant about four hours, or 12 miles. The brcadtli of the Furipus is here dinninished by a rock iu mid-channel, on which a fort is built, dividing it into two channels: that towards the inaiu, though rather the broader, is only practicable for small boats, as there is not more than 3 feet of water at any time. Between the rock and the walls of Chalcis is a distance of 33 feet, and the least depth at the Lighest water is 7 feet. It is here that the extraordinary tides take place for which the Euripus was formerly so noted: at times the water runs as much as 8 miles an hour, with a fall under the bridge of about one foot and a half; but what is most singular, is the fact that vessels lying 150 yards from the bridge are not in the least affected by this rapid. It remains but a short time iu a quiescent state, changing its direction in a few minutes, aud almost inmediately resuning its velocity, which is gencrally from 4 to 5 milcs an hour
either way, its greatest rapidity 'being however always to the southward. 'The results of three months' observatiou, in which the above phenomena were noted, afforded no sufficient data for reducing them to any regularity.

Iu and about Chalcis fragments of antiquity may be seen forruing parts of the walls of houses, iu common with the grosser materials, like diamonds set in lead. They are generally of white marble, beautifully chiselled; but in no place cau any building be traced, or vestiges of walls. The pieces of columns are generally of the Corinthian order, fluted. Ou Chalcis Island there is the appearance of a rude wall traversing the island; and on the mainland, at the southern shore of the channel, between the two ports, where the land rises to about 400 feet, are the remains of Cyclopean walls of very high antiquity. The blocks of stoue, which are very massive, rude and irregular, but fitting closely, are of limestone, and in construction the walls resenble those of Mycenæ. This is most probably the ancient Aulis; though there may have been houses at a less elevation and nearer the shore more convenient for commerce, the ascent to these ruins being steep and difficult.
The site of Eretria, next to Chalcis the most powerful city in ancieut Euboon, is near the west coast, a little south of Chalcis. Of tho walls which surrounded it, the towers, a theatre, and some other buildings, there are still cousiderable remains. Near its site is the village of Nea Eretria, which' occupies the site of the New Eretris, built after the destruction of the olden city B.c. 490.


British Mnseum. Actual Size. Silver. Weight, 86 To grains.
The mountains of Euboca are said to contain copper, aud the marble quarries near Karystos have long been famous. (Strabo, p. 446.) The soil, favoured by the diversities of climate which such a variety of elevation affords, is capable of yiclding the productious of tropical as well as of more northern regions, and of supporting an infinitely larger populatiou than now occupies the land. Corn is raised in considerable quantities for the supply of the adjacent mainland as well as the island itself. The chief product however is wine. Cotton, wool, \&c., are also exported. The islaud abounds in sheep of an excellent brecd; but bullocks are scarce, and bred principally for agricultural purposes. Of late jears agriculture has been considerably improved, chiefly owing to the exertions of a few English and other foreign settlers. In the mountains are abundance of wild boass and deer, and the plains are overrun with hares and rabbita. Among the trees are the olive, oak, fir, chestnut, walnut, mulberry, and oriental plane. In the whole islsnd there is not a stream deserviug the name of a river into which the smallest boat could euter, and the inhabitants generally supply themselves with watcr from wells.
The only towns are CHalcis, Karystos at the south-end of the island, Kunai at its eastern extremity, and Xerochori, the ancient Histiaea, at the northern end; all except Chalcis small and unimportant places.
The villages are few, aud, for the most part, wretchedly poor as well as small places. They generally stand at some distance from the beach, aud on an eleration so as to be difficult of access.

Among other remains of the former greatness of the island may be mentioned an aqueduct, apparently of Venetian construction, which commencing at the foot of Mount Delphi winds its way to within half a mile of Chalcis, aud forms a very picturesque object. Though it no longer couveys water, it is by no means in a ruinous condition.

On tha summit of Mount Elias (the Oche of Strabo) are the remaius of an ancieut temple, consisting of rude unornamented blocks of limestone, and columns of the same material ; and antiquariau remains still exist in various other places.
The first inhabitants of this island were probably a Pelasgic race, which is said to have occupied, before the historical times, most of the islands of the Ngean Sea. The Dryopes from Mount ©ta were said to have founded Carystus and Styra (Herodotus, viii. 46; Thucyd. vii. 57); and the Athenians fouuded Chalcis aud Eretria, before the siege of Troy. Homer ('Iliad,' ii. 536) calls the iuhabitants of Euboe by tho name $\Lambda$ bantes, and mentious them as having taken a distinguished part in the expeditiou against Troy. The Hestixots were said to be a colony of the Ierrhobi, a Pelasgic tribe; but the Athenians appear to have been froin a very remote epoch the principal colouisers of Euboa. At the dawn of the historical times we find Chalcis and Eretria, two iudependent but allied towns, which had advauced to a high state of prosperity, holding dominion over the islands of Andros, Teuos, and Ceus, and sending colonies to the coasts of Macedouia aud Thrace, as well as to the shores of Italy aud Sicily. Naxua, the first Greck scttlement in Sicily, and Cuma, oue of tho oldcst iu Italy, wero colouies of Chalcis. Eretria and Chalcis however quarrelled, aud Thucydides (i. 15) mentions tho war betwceu
the tro states ns one of the oldeat warn on record among the Greekn The town continued itill to flourinh under the government of their Ilippobotre, or realthler citizens, until they joined with Cleomenes in his inrasion of Attica, which followed the oxpulaion of the Pislntretldax, is conseqnesce of which, ftor the Athoniam had repulsed Cleomenes, thes in raded Euboca, about 506 B.C., defented the Boootiann, Who lad come to the araistance of Chalcis; and having taken the latter city, they punished it severely, put many of the citizens in futters, until they rumomed thomselvee, confiscated all the property of the Hippobotas, and gare their lands to Athenian colonints, whom they meut over to the island to the number of 1000 . (Herodotus, จ. 7.) Eubca now becnme in great measure a dependency of Athens; although the Athenian supremacy was at times disputed by the Thebans The Eubceans, vith the Athenisos, sent assistance to the Iouians of Aria in their war against Darius Hystaspes; and their troops were armong thowe which hurnt Sardes (z.c. (99). The first invarion of Greece was the consequence of that expedition The Satraps, Datis and Artaphernes, landed in Euboos with an immense force, completely deatroyed Eretria, and eent its inhabilantans slaves into Asia A general revolt of Eubcea against Athens hroke out iu R.C. 445 , hut Pericles with 5000 regular troppe marched into the island, and recovered possesaion of it; redincing the towns of Euhnes to the condition of trihutarien to Athenn. This inland was of great irmportance to the Athenians; it furnishod them with corn, supplied thern with horses, and was considered of more value to them than all their other colonies put together. During the Peloponnesian war, after the defeat of the Athenians in Sicily, another general revolt of Euboes took place, and the island placed itself under the protection of Lacedsemon, hut afterwards returned to the Athenian allegiance, when Athens had recovered its independence; and from that time its four principal towns, Chalcis, Lretris (which had been rebuilt near the site of the old town destroyed hy the Persians), Carystus, and Oreus, posseasod a kind of municipal independence under the supromacy of Athens. The Eubosans liowever joined the Thehan league againet the Spartans, and fonght under Epaminondas. In the general prostration into which the principal states of Greece fell after the death of Epaminondns, Euboes seems to have been left in great measure to itself. Its principal towns came under the rule of chiefs, or tyrants, as they were called, without any interference on the part of the Athenians, Ahout \&c. 350 Callias and Taurosthenes, sons of the lato tyrant Mnesarchus, who were ruling in Chalcis, made orertures to Philip of Macedon, in order to have his assistance in subduing the rest of the ialand, an opportunity which was eagerly seized hy Philip. Plutarch, Who was at the same time tyrant of Eretria, applied to the Athenians to check Philip's interference. The Athenians sent an oxpodition under Phocian, who defeated the Chalcidians after hard fighting; but this led to no favourable result, as Callias remained in possession of Chaleis, and the Macedonian influence was estnhlished over the island. When the Romans hegan to extend their influence to Greece, Chalcis and the other towns of Eubcea contracted alliance with Rome, and they remained stealfast to that alliance during the Etolian war. (Liry. xxxv, 37, 39.) Chalcis afterwards suhmitted to Antiochus. (Livy, xxxp. 50, 51.) In the Achwan war, after tho defeat at Corinth, Chaleis was taken and destroyed hy the Romans, and the island was included in the province of Achain. It then gradually declined in population and importance; and Pausanias and Dion speak of its fallen state under the cmperors.

In tho middlo ages Euboen was called Egripo, a corruption of Euripus. On the dismemberment of the eastern empire hy the Latius the Venetiaus ohtained posseasion of Euboea, which thoy called N'egropont, probably a corruption of Egripo, and 'ponte,' meaning the bridgo which united it to the mainland. The Venetians lost the island in 1470, when the Turk took the capital, Negropout, and masacred all the inhahit ants. The Venctian doge and general Morosini hlockaded it iu 1658 , but after a murderous tiege he was ohliged to re-embark with great los, The people of Fibboch took part in the geneml rising of the Greeks against the Turks, and the island now forms part of tho kiugdom of Greece; here an ln the other parts of the kingdom the classleal namea baro been restored.


Coln of Eubas.
Britah Meceno. Actual alze. surer. Weight, 01 If graina. FUL, FUS, RIVE:R. [BaондมD.]
EUPEN, town In Rheninh Prasia, in the government of Aachen, in altuated in fertile valiey at the foot of the Eifel, 12 iniles $S$ from Aix-laChapelle, near the lielgian frontier, and las about 11,000 lulubitants. Tho towu Is woll-built, nad extends over a considerable murface, as It includes aeveral gardens and mowlowis. It contalns four churches, a custom-house, in orplun agylum, and several largo woollen factorjes whleh turn out large quantities of broadcloth and kerwey.
menes. A district court for the circle of Eupen and a coturt of potty nasslons aro held in the town. In the region of the Fifel between Eupen and Malmedy is a Roman bridge. When the lrenclı extended their frontier to the Rhine, Euphen was one of the towus in tho department of Ourthe, and was thon namod Nicaus The circle of liupen in, though wooded and mountainous, full of fiae pastures. It contaim 68 squaro miles, aud producen timbor, grala, vegetnhlen, flax, da; lange quautiticn of cheese aro made. Iron, calamine, and potter8. clay are among its mineral producta.

EUPHILATES. [TıGRs.]
EURE, RIVEIR. [EORs, Department of.]
EURE, a department in the north of France, comprehending a portion of the old province of Nomnandie, is bounded N. by the department of Seine-1nféricure, F: by the departmenta of Oive and Seine-t-Oien, from both of which it is in part separated by the river Eple, a feeder of the Seine, S. by the departments of liuno-st-Loir and Orno, and W. hy Calrados. The department lies between $43^{\circ} 39^{\prime}$ and $49^{\circ} 29^{\prime}$ N. lat., $0^{\circ} 20^{\prime}$ and $1^{\circ} 17^{\prime}$ E. long. Its greatest leagth from east to mest is 65 miles, from north to south 60 miles. The area of the department according to the cadastral returns of 1851 (which differ considerahly from thoso that accompanied the census of 1846 ) is 2689.48 equaro miles. The population in 1851 was 415,777 , or 150.88 to the square mile, being 23.83 below the averago per squaro mile for the wholo of France. The population was less hy 10,000, and the area given 440 square miles more in 1851 than in 1841.

Surface, d.c.-The department presents a varied succession of wellcultivated fields, farms inclosed with hedge-rowa, large foresta, hills of moderato olovation, rivers, bustling manufncturing towus, ancient castles, a few marshes in the south-weat, and a small extent of const along the embouchure of the Seine. The surface on the whole is level; the higheat elerations, Mont-Roti near Pont-Audemer and the rocky promontory of Quillebcuf, are not more than 300 feet above the sea-level. The departmout belongs almost entirely to tho basin of the Seinc, which river crosses it from south-east to north-northwost, and divides it into two unequal portions The Seine also touches the east of the departmeut at two or three points between Elbeuf and its embouchure. On the right bank of the Seine, and between the Andelle and the Epte, lies the richly-cultivated territory of the Norman Vexin, and the forest of Lions, which extends also into the department of Seine- Inferieure. In the centro of this forest Ileary 1. of lingland huilt the castle of St-Denis in which he died. On the left hauk of the Seine there is a series of five plains, which in most instances consist of a dry soil, and have no waterconrses except the rivers that bound them. 1. Between the Seine and the Furo is a narrow well-wooded plain, which also extends into the departmeut of Seine-et-Oise. 2. The district hetween the Eure and the Iton consists of tho plain of St.Andre and the Terres-Françaisos, a portion of the ancient territory of Ferohe, of which Verneuil was the capital. 3. The Iton, the -Eure, and the Rille inclose a third plateau, the north part of which comprises the old territory of Roumois, and is soparated from the plain of Noubourg (on the south) hy a serios of depressions or valloys that run east and west betweon Montfort and Elbouf. 4. Between the Rille and its feeder the Charentonne lies a fourth plain, which forms part of tho district formerly callod Ouche The Charentonne, the Rille, and the Toucque inclose the fertile plain of lieuvin, the eastern part of which is in this departmont, and the western part in that of Cacvados.

Hydrography.-The department takes its name from the Bure, the ancicut Autura, which, rising in the departinout of Orne, runs from north-west to south-cast into the centre of the department of Fure-et-Loir, whence turning north-east it passen Chartres and Maintenon. From this last towu it runs nearly due north till it reaches the boundary of the departmeut of Eure, along which it runs for a few miles in a north-cast direction, and again turning north it passes Pacy and Louviers, and enters the Sciue on the left hank near l'ont-del'Arche, after a course of 93 miles. This river was formerly navigated from Chartres to the Seine, hut only that portion of it which is within this department is now navlgable. The ohjects of transport along the Eure are salt, timher, and fuel-wood. Its principal feoders are-the Peagre, whiel joins it on the right hank near Ivry; the Blaise, which joins it on the left hank holow Dreux; the Aere or Aure, which flows from the department of Orae aloug the confines of Eure and Eureet-Loir, and onters the Eure at the point where that river hecomes narigable; and the Iton, whlch rising in the eant of the departinent of Orne, near the inonatory of La-Trappe, flows north-east into the department of Eure, passing Broteuil and Damville; below this lnst-named town it has an underground courso for 9 miles, hut resppears through wumorous spriug near Conches, and passing Evreux, enters the Eure at Planches, after a ourse of 72 miles. The other rivers are-the fille, whlch rising $\ln$ Orne, flows in a northern direction through this department, passes Beaumont, Brionne, and Pont-Audemer, from which to its entrance into the Seine it la navigable for largo barges: the Eple, which rises in Seine-Inferieure, fows in a coutherly diroction along the eastern boundary of the department, and joins the Soine on the right hank a little above Vormon: and the Anlcllc, which rises near the souroe of the Jipte, and flowing south-west enters the Seine on the right bank wearly opposito I'ont-do-l'Arche. On the two last-mentioned streans are
geveral important iron-works; the other rivers drive the machinery of a great number of corn-mills, paper-mills, and factories. The Seine is navigated by small steamers and large river barges between Rouen and Paris, and by large sea-going vessels below Rouen. [Setve.]

Soil and Produce.-The department is almost entirely occupied by the chalk that encircles the Paris basin, and is covered with a vegetable and clayey soil which is very thin on the crests of the hills. Along the Seine there are some tracts covered with barren sand quite incapable of cultivation. A good deal of marsh-land near the mouth of the Seine has been reclaimed by embankments and brought into cultivation.

The extensive cultivation of corn in the plains gives them a rich but monotonous appearance. The roads, as in all parts of Normandy, are lined with rows of apple and pear-trees. Besides corn of all kinds, more than enough for the consumption, hemp, flax, apples and pears for cider, pluma, cherries, teazles, weld, leguminous plants, and garden stuffs are abundantly grown. Horses of the Norman breed are reared in considerable numbers; sheep are numerous, and estecraed for their flesh, especially when fed on pastures near the sea. The best fat cattle brought to the Paris markets are from the srich pastures of Roumois and Lieuvin. Hogs of large breed are reared in great numbers. Poultry is abundant and of excellent quality. The rivers abound with tench and other fish, and great quantities of salmon and shad ascend them from the sea.

The vineyards of the department, which are for the most part confined to the valleys of the Eure, the Iton, and the Seine, yield only $1,220,000$ gallons of wine. The annual prodnce of cider is ostimated at $29,700,000$ gallons. The most common trees in the forests are oak, elm, beech, maple, and birch. The long rows of lofty poplars in the neighbourhood of the Seinc are a characteristic feature in the scenery. Farms range from 30 to 300 acres. The farmhouses and farm-baildings are mostly built of wood and covered in with tiles or thatch. The dwcllings of the poorer classes are built of wood and clay, and thatched.

Minerals and Manufacturcs.-The department is rich in iron-ore; building-stone, millstones, and paring-granite are quarried; fnllers'carth and potters'-clay are found. There are mineral springs at various places in the department. The manufactnres consist of fine and coarse woollen cloths, linen, thread, calico, paper, printed cottons, cottonyarn, cutlery, tape, cotton hosiery, blankets, carpets, wind-instrumenta, horn and boxwood combs, glue, nails, pins, hardware, \&c. There are 25 furnaces nud foundrics for the mannfacture of iron, glass-works, numerous flour and paper-mills, dye-houses, fulling-mills, marblesawing works, sugar rcfineries, bleaching grounds, important copper foundries, zinc works, and a great number of tan-yards. The exports are composed of the various agricultural and industrial products named or iudicated; the importa chiefly of the raw material required in the numcrous manufactnres, and of colonial produce. There are 698 wind and water-mills, and 727 factories of different linds in the department.

Climate.-The climate is in general mild, moist, and changeable, but healthy, bearing a considerable resemblance to that of England. The west and north-west winds bring rain and fog; these winds, with the north and the sonth-west, are the most common. Between 95 and 100 days in the year are rainy. The country is better wooded than France generally is. In descending towards Pacy on the Eure, on the road from Paris to Caen, the magnificence of the prospect is very striking. The valley of the Eure, broad and perfectiy level, abounds with fine trees, which are planted in the inclosures of the rich meadow-land.

Communications.-The department is crossed by 12 national, 26 departmental, and 47 parish roads. It has great facilities for communication by the Seine, and by the Paris and Rouen railroad, which has 34 miles of its length in this department, all, as far as Pont-de1'Arche, on the Icft bank of the Seine. From this line two branch railroads are making, one from near the Vernon station through Erreus and Conches, the other from near Pont-de-l'Arche to Bernay, where it meets the former, and is to be continued through Lisieur to Caen

Divisions, Towns, dec.-The department contains 1,721,218 acres. Of this surface about a million of acres are arable land, 57,354 pastureland, 85,826 are orchards, nurserics, and gardens, 309,896 are covered with woods and forests, and 46,471 with heaths and marshes. It is divided into five arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondisseraents. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Evreux - . - | 11 | 224 | 120,374 |
| 2. Louviers . . . | 5 | 111 | 68,859 |
| 3. Les-Andelys | 6 | 117 | 64,717 |
| 4. Bernay . | 6 | 124 | 77,202 |
| 5. Pont-Audenaer | 8 | 127 | 84,625 |
| Total | 36 | 703 | 415,777 |

1. The first arrondissement has Evreuz for its chicf town, which is noticed in a separate article. Of tho other towns we mention the following, glvieg with each throughout the population of tho commune:-

Breteut, a town of 2153 inhabitants, stands on the Iton, 20 miles S.S.W. from Evreus, near the Forest of Breteuil, and in a country abounding in iron-ore. A church, which dates from the 11th century, and the remains of a castle built by the Conqneror, and dismantled in 1378 by Du Guesclin, are the most remarkable objects in the town. The mannfactures consist of hardware, nails, pins, copperwire, mill-castings, \&c. ; there are also iron foundries and smelting furnaces. There is a cold ferruginous spring at Breteuil. Conches stands in a fine wheat and pasture country on the slope of a little hill above the Iton, 12 miles S.W. from Erreux, and has 2094 inhabitants, who are engaged in the manufacture of iron, hardware, shoe and glove leather, \&c. It was formerly defended by a strong castle, of which the massive walls, deep moat, and four of the towers still exist. The church of Conches dates from the 16 th century; it is lighted through painted windows. St.-Andre-la-Marche is a small place south of Evreux, with1 1234 inhabitants. It stands in an extensive plain, which suffers frequently from drought. The barony of St.-André belonged to the family of Bayard, whose coat-of-arms and famous device may be seen on the walls of the church. A little east of St.-André, near the Eure, is Ivry, with 1010 inhabitants, near which Henri IV. defeated the Duke of Mayenne, March 14, 1590. A pyramid erected by the Duke of Penthievre to commemorate this rictory was demolished by the republicans in 1793, and restored by Napoleon in 1809. Ivry belonged to Raoul, half-brother of Richard I., duke of Normandy, in whose time a strong fortress was bnilt on the hill, at the base of which the town soon sprung up. William the Bastard gave the domain of Ivry to Roger de Beaumont, who in 1071 founded a Benedictine monastery below the castle. In A.D. 1119 Henry I. of England threw a strong garrison into the tower of Ivry, as the castle was sometimes called. Louis-le-Jeanne and Henry II. of England had an interview, in presence of the Pope's legate, near Ivry in 1176 . In the 15 th century an upper town existed, which was built on the hill ronnd the castle, besides the town aud monastery of Ivry, which stood in the valley. In 1418 the upper town was taken by Talbot the English general, and the castle capitulated soon after. In 1424 Irry aud its castle were again taken by the English under the Duke of Bedford. They were recovered by the French in 1449 under count Dunois, who demolished the fortress, of which there are now only extensive ruins. Nonancourt, on the left bank of the Arre, formerly a strong fortress and the scene of many an interview between the Norman kings of England and the kings of France, is now a small place of 1529 inhabitants. The house in which Henri IV. slept the night before the battle of Ivry is still shown. Pacy, in a very beautiful valley on the Eure, with the remains of ancient walls around it, has a population of 1496. The ancient castle of Pacy, the residence of Philippe Auguste and St.-Louis, was dismantled by Charles V., who took the town by assault in 1378. Rugles, near the right bank of the Iille, is the centre of a great mannfacture of pins and nails; iron-wire, hardware, calico, tape, sewing-thread, stockings, paper, \&c., are also made. It has moreover iron, copper, and zine works: population, 2050. Fernewil, in the south of the department, and near the left bank of the Avre, was formerly defended by a strong castle, of which the keep is still standing, and by three other fortresses, the whole surrounded by ramparts and deep ditches. The fortifications are now for the most part replaced by handsome promenades. The ancient church of LaMadeleine, which is surmouuted by a tower richly decorated with sculptured work, is the great ornament of the town. Verneuil has a public library and 3956 inhabitants, who manufacture hosiery, flannels, hardware, pottery, \&c., and trade in linen, canvas, wool, and dressed skins for bookbinding. The greatest onion fair in Europe is held here on the 9th of October annually. Under the walls of Verneuil the Duke of Bedford in 1424 gained his last victory over the French, after a battle which lasted two whole days. Verneuil is an ancient place; it was burnt in 1134 by lightning. Henry I., duke of Normandy, rebuilt it, and surrounded it with the strong fortifications above alluded to; and from this time till 1594, when it finally submitted to Henri IV., the town was besiegcd and taken at least once in a century by the French or English. Yernon, a station on the Paris-Roueu railroad, stands on the left bank of the Seine, which is here crossed by a bridge of 22 arches, leading to the suburb of Vernonnet. It has a college, and 7128 inhabitants, who have no manufactures of importance, but trade to some extent in corn, flour, wine, and cut stone. The town is in geueral ill bnilt; the streets, formed of timber-framed houses, are narrow and crooked, but kept clean by running streams. Promenadcs in the form of boulevards surround the town. The parish church, and the church of the Hotel-Dieu, an hospital founded by St.-Louis, and an ancient massive tower, arc the most remarkable objects. A fine avenue leads from Vernon to the Chateau de Bizy, which belonged to the Duke of Penthievre, who retired hither with his daughter on the breaking out of the French revolution in 1792. The duke died here March 4, 1793; throngh his daughter and heiress, who inarried the Duke of Orléans (Egalité), the chateau and domaiu of Bizy came to Louis Philippe, who occasionally resided here before his accession to the throne.
2. In the second arrozdissement, the chief town, Lowiers, formerly Loviers, stauds in a valley skirted by extensive woods, and watered by nnmerous bratrches of the Eure, 14 miles N. from Evreux, and has tribunals of first instance and of commerce, a chamber of commerce,
a council of Prud". IHommes, and 9995 inhmbitants. The old part of the town, whlch consists of a few broad atreets communicating with each other by a multitude of aarrow lanes, in entirely built of wood; the new part is built of brick and cutetone, and presents sonno pretty atreeta. Tho church of Notre-Dame, the nave and choir of which dnte from 121 S , is a very iuposing edifice; the south portal, which was comploted in 1496, is particularly admired for its boll projections and florid ornameuta. The painted windows of this chureh are distinguiahed for the angular drawing and quaint deagns that characterise an early period of art The house of the Templars, a most curious specimen of the domentic architecture of the 12 th century, the public library, and the theatre are the other most striting object in the town. Louriers is one of the chief seats of the cloth mannfacture in Franco; it has upwards of 40 factoriez, in which from 7000 to 8000 liands are employed. It has been long famous for the finest deecription of cloths (for uniforme, \&c.), which range from 30 to 65 frnnes wa ell. Of late years coarser cloths, cassimeres, fancy goods for trowsers, mantles, \&c, are also made. There are also several woollen-yarn factories, large tan-yards, bleaching establishments, card factories, steam-engine and mill-work factories, dye-houses, brick-morks, \&c., and a brisk trade in corn, wood, charcoal, fax, rool, teazles, \&c. Richand Cocur de Lion gave Louviers in exchange for the domain of Andelys to the archbishop of Rouen, whose succeasors held the seignory of the town with the title of count till the first Freach revolntion. Louviers was taken after a vigorous resistance of twentyaix dare by Ifenry V. in 1413. The Duke of Bedford besieged it in 1431, and after a stout defence, which lasted twenty-three weeks, the town was taken and its walls and principal buildings were demolished. Gaillon, 9 miles S.F. from Louviers, on the Paris-Rouen railroad, has 2596 inhabitauts, who manufacture carpets, cotton-yarn, striperl and checked calicoes, \&c. The castle of Gaillon, which originally belonged to the dukes of Normandy, and from the time of St. Louis, to tho arehbishops of Rouen, was rehuilt in a mngnificent style in 1515 by Cardinal Amboise. This building having been injured aud in part deatroyed by fire in 1703 , was soon after restored. It was sold at the time of the first French revolution, and partially demolished. A beautiful portico which separated the first and second courts of the cantlo wha romoved stone by stone, and reconstructed in Paris in the court of the Palais-des-Bcaux-Arts, of which it forms the grandest ornament. The castle, which now retains few features of its former magnificence, was fitted up in 1812 as a central house of detention for the convicts of the departments of Eure, Eure-t-Loir, SeineInfírienre, Orne, and Somme. Neubourg stands in a fertile plain sonthwest of Louvierm, and has 2105 inhabitants, who manufacture cotton, and trade in corn, coarse linen, wool, and cattle. There are here the remains of a fine old Norman castle, rich (as almost every spot in this part of France is) in traditions connected with English history. Henry 1. of England took and burnt the castle in 1118; ou Henry's death the Norman barons assembled here and resolved to support Stephen's claim to the throne of England. In the castle of Neubourg also the marringo of Marguerite of France with the eldest son of Henry 1I. was celebrated. The proximity of the castle brought much trouble and many a siege upon the town. The remains of the castle were fitted up during the minority of Louis XIV. by the Marquis de Sourdiac, lond of Neubourg, as a theatre, in which the first attempts at French opera were mado by the representation of the 'Toison d'Or,' of Piorre Corneille. In the name theatro in noro recent times, all the handsome women and pretty girle of all ranks from the adjacont parta of Normandy used to nssemble at a ball given on the feast of St Paul in every year. The plain of Neubourg is ontirely devoid of water-courses, it is rery fertile in corn; some clumps of trees left here and there tend in some degree to reheve the monotony of its meenery. Neubourg is the birthplaco of M. Dupont de l'Eure, the distinguished French legislator and politician. Pont-de.l'Arche, a station on the l'aris-Rouen railrond, on the left bank of the Scine, which is here again cromed by a bridge of 22 arehes, has 1657 inbabitanta, who tralo in timber, cattle, fruit-trees, \&c. The tide ancende the Scine as far as thin town. Pontedel'A rehe owes its origin to Charlen le Chauve, who erected here a palace, in which he couvened councils, held assemblien of his nobles, and drew up edicta: he also built a bridge, defended by a citadel, from which the name of the Ilace (in Latin Pons Areis, 'citadel-hridge') is derived. The citadel Wh demolinhod abont the beginning of the revolution. Pont-del'Arche was burned by the English under lidward III. The walls of the town jet remain flanked by circular towers. The bridge is a picturesque object, with mills in some part of ita length, and a lock under oue of the arches to facilitato the navigation of the river. On tho bask of the river near the town are the remains of a Cistercian abboy, founded A.b. 1190 , by 1 ichard Cocur de lion, in pursuauco of a pow which ho had unde when nearly lost in the rapid current of the Seine. The church of I'ontde-l'Archo, though much dilapidatel, is a fine building in the decorated gothio style; it has some rich carving, and handnome paintod windown.
3. Of the thind errondissement the chief town, Ies-Andelys, stands in tho territory of the Norman Vezla, on the right bank of the Seine, and han a tribunal of firnt instance, and a population of E345, who manufacture cloth, cotton honlery, linen, piper, mbots, woollen and cotton Jarn, and leather. The town consint of two parth, Petit.

Andely and Grand-Andely. FelibAndely stands clow to the Soine, which is here spanned by a fine suspension bridge of a single areh. A largo bospital, which was built by the Duke of Penthievre in 1784 , surmounted by a dome, and an ancient imo built of wood, and called Grand-Cerf, are the most remarkable objects in this part of the town. Grand-Andely is about half a mile inland; it has a very ancient gothie chareh and a fine spocimen of the domestic arehitecture of the 16 th century in the houso called La Grande Maison, now used as a granary. Grand Andely, the more ancient part, sprung up round an abbey for nuns, founded hero in AD. 511 by Sainte Clotilde, the wife of Clovin, whose holy well is still an ohject of veneration in the ueighbourhood. The abboy was burnt by the Northmen in 884, but was soon after rebuilt. Tho abbey church, which was early mado collegiate, is remarkable for the beauty of its stained-glase windows. On an eminenco ahove the town stand the atill majestic ruins of Coour-de-Lion's famous fortress of Chateau Gailland. The building of the castle gave origin to Petit-Andely. Tho Chateau Gnillard was founded by Richand in 1195, after his return from Palestine. It became one of the strongest places in France; its walle were 8 feet thick, and it was defonded by 17 massive towers. Cocur de Lion died in this castle. Philippe Auguste took it in 1203 after an eight months' siege. In 1314 it became the prison of Marguerite and Blanche, the daughters-in-Inw of Philip the Fair, who were declared guilty of adultery: Blanche spent seven years in it; Marguerite was strangled after being imprisoned two Jears, David Bruce, ling of Scotland, found an nsylum in Chateau Gaillard in 1334, and in 1356 Charles the Bad was shut up in it. Tho English, after a siege of seven months, took the fortress in 1418, and held it till 1449 , when they were driven out by the French. Henri IV. took it in 15S9; but it was soon after recovered by the party of the Leaguc, who held it till 1591. Henri IV. had it entirely dismantled; the keep alone was spared, which however was partly demolished in 1616 by order of Louis XIII. From the Cote-des-deux-Amants, a hill which stands abore the village of Anfreville, uear the junction of the Audelle with the Seine, and connected with which there is an interesting local tradition, there is one of the finest views in Normandy, comprising the valleys of the Seine, the Eure, aud the Andelle, the towns of Louviers and Elbeuf, with muncrous bridges, old castles, forests, factories, and villages, Villiers, a small placo near Les-Andelys, was the birthplace of N. Poussin. Gisors, in a fertile plain on the lipte, is surrounded by walls nud ditches, and was formerly defended by a castle, the keep and a tower of which are still standing: The iuclosure of the castle is used as a market-place; the ditch is plantod with trees and forms a promenade. The chureh, dedicated to St. Gerrais and St. Protain, dates from the 13 th century, but having been often repaired it presents various styles; the portal is in the reanissanco style, and the finest epecimen of the kind in Normandy. The interior contains a curious monunent, on which the representation of a dead body is sculptured in marble. The town has 3624 inhabitants, some cotton-spinning and bleaching establish mente, tan-yards, and breweries. In the neighbourhnod are copper and zinc works, Fleury-sur-A ndelle, a mere hamlet in 1830, has now a population of 1065 , cotton factories, print-works, and brick and limo kilns. Lions-la-F'Ordt, 14 miles N. from Ies-Andelys, in built round and on the sito of the ancient castle in which William Longsword died and William the Bastard speut part of his youth. There was a town here in Roman times. Tho population is 1524.
4. In the fourth arrondissement the chief town, Rernay, stands on the left bank of the Charentonno, han tribunals of first justance and of commerce, a college, avings bank, and 6871 inhabitanta, Judith de Bretagne, Richard 11.'s queen, had this town as part of her dowry, and founded an abbey in it. The abbej-chureh, the uavo of which is remarkable for its sovere simplicity and unadorned eleganco, is now used as a corn and linen inarket. In the abbey-buildings the subprefect and tho mayor renide, and the courts of justice are beld. The other lmportant buildings are the churchen of Sainte-Croix and De-laConture, the collego and the hospital. Tho town was fortified in the 13th century, and was then a place of importance for its market, its fairs, and its roollen manufsctures. It was ofteu taken in the wars between the French and Einglish. The fortifications were denolished in 1589. The chief manufactures of l3ernay are woollen-cloth; but Gannels, tapo, linen, leather, \&c., are mado. Thero aro also dyehouses and bleaching cetablishmenta, and a good trade in com, cider, iron, paper, hides, and cattle. One of the greatest horse-fairs in Franco is held bere during the fifth week of Ient. Beaumont.le- Roger, on tho right bank of the Rille, aud near the fine forest of Beaumont, was formerly defended by a castle, which was for centuries an object of contention with the Normans, French, and English, but which is now in ruins. The town has cloth-factories, hleach-works, glass-works, and 2063 inhmbitante. Of the castle, which was originally built about 1040 , there are scarcely any remains ; but on the summit of the rocky height on which it stood are the picturenque ruins of an Ancient abbey. Brionne, N.l. of Beruay, an ancient town on the right bank of tho Rille, has 3098 inhabitants, who manufacture broad-cloth, oil, and cotton-yam. Four Roman roads met at Brionne: some lloman remains are seeu in the adjncent foresh. The Norman castle that formerly commanded the town is now in ruius. Broglic, S.W. of Bernay, is a small place of 1024 iuhabitants, from which the Duc de Broglie
lakes his title, and near which he has a large mansion surrounded by a fine park. Broglie was formerly called Chambrais.
5. Of the fifth arrondissement the chief town, Pont-Audemer, 40 miles N.W. from Erreux, is prettily situated on the left bank of the Rille, which here becomes navigable. It is surrounded with walls and wet ditches. The streets are regular, well built, and kept clean by running streams. The town has public baths, a small theatre, and 5497 inhabitants, who manufactnre hosiery, glue, harness, and cottonyarn; it has 40 tan-yards, 12 currieries, and 12 establishments for dressing sheep-skins and glove-leather. There is also sume trado in corn, cider, flax, hides, \&c. Beuzeville, W. of Pont Audemer, has brick-kilns, oil-mills, and 2610 inhabitants, who trade in corn, horses, cattle, and sheep, for the sale of which large fairs are held. Cormeilles, near the Calonne, a feeder of the Tonque, on the old Roman road from Lisieux to Lillebonne, has 1373 inhabitants Quillebcuf, on a promontory which juts out into the Seine, and on the extremity of which stands its massive church-tower and lighthouse, is a small place of only 1447 inhabitants. The port of Quillebccuf is important as a place of anchorage for large vessels making for Rouen, which here unload part of their cargoes; and as a station for pilots, who are indispensable to guide ships through tho shifting sandbanks in this part of the river. Henri IV. threw some fortifcations round Quillebouf, granted it several privileges, and called it IIenriqueville, intending to make it the rival of Havre. The bore at the mouth of the Seine is observed to great advantage from this place. [Bore; Seine.] Routot and So-George's-du-Vièvre are small places of a little over 1000 inhabitants each, which give name to the other cantons.

Tho department forms the see of the Bishop of Erreux, is comprised in the jurisdiction of the High Court of Rouen, and belongs to the 2nd Military Division, of which Rouen is head-quarters.
(Dictionnaire de la France; Annuaire pour l'An 1853.)
EURE-ET-LOIR, a department in France, is bounded N. by the clepartment of Eure, N.E. and E. by Seine-et-Oise, S. by Loiret aud Loir-et-Cher, and W. by the departments of Sarthe and Orne. The department extends from $47^{\circ} 57^{\prime}$ to $48^{\circ} 56^{\prime}$ N. lat., and from $0^{\circ} 47^{\prime}$ to $2^{\circ}$ E. long. Its lengtly from north to south is 68 miles; its breadth varies from 57 to 36 miles. The area is 2208.7 square miles, and the population in 1851 was 294,892 ; which gives 133.51 to the square milo, being $41^{\circ} 20$ below the average per square mile for all France.

It is formed out of portions of the old provinces of Orléanais and Maine. The districts of Orleanais included in the department areBeauce, which covers all the east and part of the south of the department, and a portion of which about the city of Chartres took the name of Chartrain; and Dunois in tho south-west, of which Chateau-Dun wns tho capital. The west of the department, including the arrondissement of Nogent-le-Rotrou, and a portion of that of Dreux, consists of a part of IIaut-Perche and Perche-Thimerais, districts of Maine, which had Nogent-le-Rotrou and Chateau. Neuf for their respective capitals.

The department lies high upon the watershed between the Bay of Biscay and the English Channel. The surface is in general level, the Beauco districts (which include part of the plateau of Orleans) consist of high and extensive plains destitute of watcrcourses, springs, and trees; but the south and west of the department arc more diversified, and present hills, well-watered valleys, and in some places ponds and marshes. The city of Chartres which stands on the plain of Beauce is 517 feet above the level of the sea, and the highest points in the dcpartment exceed this but little. The department takes its name from the two rivers that drain it-the Eure described in last article, and the Loir which risce in the department and drains its south-western districts, receiving the Thironne, the Ozanne, the Conie, and the Yerc. [LoIr-ET-ChER.] The only other river is the Huisne, or Huine, a fecder of the Sarthe, which just enters the west of this department and passes Nogent-le-Rotrou. [Orne.] None of these rivers is navigable in the department of Eure et-Loir, but their water power is made to drive the machiuery of a large number of corn and other mills. A canal from Pontgouin to the aqueduct of Maintenon connects tho upper part of the Eure at Pontgouin with the lower part of the same river at Maintenon. The canal is about 20 miles long. The aqueduct was orisinally designed to courey the waters of the Eure to Versailles, but the dexign was given up; and the aquerluct, a vast pile, is fast going to decay.

The greater portion of the department lies on the chalk that surrounds the basin of Paris, the south-eastern district is occupied by the formations that overlie the chalk. The soil is for the most part clayey, mixed with a small quantity of sand: in some parts the clay is mixed with a calcareous earth, in others with large fints. In the west and south-west the soil is in many parts hungry sand covered with heatll and furac, the ashes of which are used for manure. The land in all the eastern and southern parts is fertile, well cultivated, and admirably arlapted for growing wheat. The corn produced in these diatricts (and cspecially that grown in the Chartrain) is of the best quality; it is for the most part sent for tho supply of Paris, Beauce laving heen at all times considered the granary of that capital. The corn market of Chartres is ono of the most important in France. In the Perche districts, the culture of brcad-stuffs is joined to that of apples for making cider, which is more agreeable than the cider of Normandy, but not so strong. Ifere the fields are divided by hedgerows, and the country having vineyards on the hill sides, and a considerable number of trees, is called the 'covercd country' to distincoilsh GEOC. DIF, VOL. II.
it from the bare plains of Beauce. The produce of Perche is sold in Château-Dun which has a large corn market. Besides wheat, rye, barley, oats, leguminous plants, onions, teazles, weld, flax, hemp, dc., are grown. Hops grow spontaneously in some districts of this department. Oak and birch are the prevailing trees of the forests. Horses well adapted for posting are bred by the farmers of the arrondissement of Nogent-le-Rotrou, which cousists alnost entirely of the highlands of Perche. Horned cattle are deficient in numbers, owing to the small extent of grass land; sheep valued for the fineness of their wool, pigs, and poultry are numerous and abundant. Of game there are hares, rabbits, red and gray partridges, plovers, lapwings, \&c. The rivers contain carp, trout, pike, and cray fish.
The villages and hamlets of Beauce are built of clay and thatched, and are in general far apart. In Perche they are built of clay and stone, and covered with tiles, staves, or sometimes with heath; but in this district the hamlets are very uunerous. The people of the plains are called Beaucerons; the people of Perche are called Percherous. The peasants of both districts commonly wear the blouse and tho heavy sabots. The costume of the women of Percho is neat and picturesquo; the women of Beauce, though clothed in more costly stuffs, are not distinguished for taste in their costume. In the Beaucs district the peasant women work in the fields.
The department is essentially agricultural, with the exception of the arrondissement of Dreux, in which the manufactures are very important. The number of wind- and water-mills for the manufacture of flour is 684 , and 400 of these are driven by the waters of the Eure aud the Loir. Along the course of the Avre or Aure in the arroudissement of Dreux there are important paper-mills belongiug to the Messre. Firmin-Didot. There are also numerous other paper-mills, tanning- and fulling-mills, cider-mills, cotton-spinning factories, several iron blast-furnaces, forges, and foundries (which are supplied with ore partly from the mines of this department, and partly from those of Eure), and 526 factories and workshops of different kinds. Besides the articles indicated, flannel, serge, drugget, nails, blankets, linen, sieves, and woollen hosiery are manufactured and exported. A great number of caps are knitted of the fine wool of Deauce or of Spain, and sent to Orléans, where they are dyed of different colour's, and form an inportant articlo of export. The imports are wine, brandy, timber, wool, cloth, colonial produce, \&c. Iron mines are worked in the north-west of the department. Stone, marble, granite, and gypsum are quarried. Lime is burned. Marl is very abundant, and is used for manure. Brick-earth and potters'-clay aro found. Peat is dug for fuel in the iron districts at the source of the Blaise, a feeder of the Eure, and in a few other districts. There are mineral spriugs near Chartres, and in the park of Ferte-Vidame.

The surface measures $1,413,575$ acres. Of arable land there are 1,075,634 acres, of grass land 55,801 acres, of woods and forests 138,918 acres, of orchards, nurseries, and gardens, 14,782 acres, of viueyards 12,605 acres, and of heath and marsh land 13,900 acres. The amount of wheat exported to Paris and Orléans from the Beauce district alone in ordinary years is 412,500 quarters. The annual produce of wine is ouly $2,332,000$ gallons; it is all of ordinary quality and consumed at hone. Of cider the ordinary produce is about $3,850,000$ gallons.
'lhe department is crossed by 8 national and 7 departmental roads. The Paris-Orléans railroad runs for some miles along the southeasteru boundary. The Paris-Brest railroad crosses the centre of the department, passing through Chartres, La-Loupe, and Nogent-leRotrou; thus far the road is open. From Nogent the line runs south-west to Le-Maus in the department of Sarthe, whenee another line running northward to Caen is met by a branch from La-Loupe between Alençon and Seez.

The climate is healthy; tho temperature is not subject to sudden changes. The heat of summer is seldom oppressive; the winters are cold and dry; fogs are not unfrequent; a good deal of snow falls iu the winter; and the crops often sufter from hailstorms. The prevailing winds are the east and west. The west wind blows at times with such violence as to carry sea-birds into the middle of the plains of Beauco.

The department is divided into 4 arrondissements, whieh, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Commures. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Chartres - | 8 | 166 | 111,517 |
| 2. Chătenu-Dun - | 5 | 80 | 65,185 |
| 3. Dreus - | 7 | 132 | 71,268 |
| 4. Nogent-le-Rotrou | 4 | 51 | 46,922 |
| Total . | 24 | 432 | 294,892 |

1. The first arrondissement has Chartues for its chief town, which is described in a separate article. [Chantres.] Amoug the other towns we notice briefly the following, with the remark that the populatiou iu every easc is that of the commune. Aunear is a small place E. of Cliartres, with some hosiery manufuctures and 1652 inhabitauts. Bretigny: at village 5 miles S.E. from Chartres, gave name to the trenty ( $1360^{\circ}$ ) by which Edward III. resigued his claim to the throne of rance, but obtained tho indepcudent soveroignty of all the soutlwest of France, from tho Loir to tho Pyrennes, and by virtue of
which John 11., king of France, who wan taton prisoner at the battle of Poitiers, obtained his liberty, and the cession of all the pomeasions of the Mlastageucts in the north of Frasec, with the excejtion of a somill territory round Cnlnis. Tho chatemu in which the treaty wat signed is now used as $n$ barn. Tho phan on which the linglieh army wa oncamped was in memory of this pence immedintely exempted from tithem, and this exemption continued till the suppression of tithes at tho first Fronch revolution. Cowrrille, on the slope of a hlll abuve tho Eure, 11 miles by midmay W, from Chartres, has a population of 151\%. Near it is the fine old castle of Villebon, in which Sully died in 1Gf1. The chateau of Villebon which is built iu the castellated gothic style is one of the best preserved structures of Its ago in France. The principal fagale is broken into three divinion, three lights high, by four mapive but elegnat nound towors, crowned by projecting crencilnted parapets. On the opposito front are threo eimilar towers. A wido wet ditch crossed by a drawbridge encirelen the bnildiog, some of the apartments in which remain in the rame stato an when the Duke of Sully ocenpied them. Gallardon, N.1\%. of Clintres, Ine a Inrge corn-market and a remarkably fine gothic church, which datea from the 12th contury: population, 1454. Of its old furtifications (for it was strongly fortified, and oceupied more than ouce by the English in the first half of the 15 th century) there remain only a tower and a gatewny. Illiers on the left bank of the Loir, has the remains of a fine old castle, and 2916 inhabitanta, who manufneture broadeloth, blankets, hosiery, leather, tiles, and bricks. Jamrille, a small place near the Paris-Orleans railroad, has 1086 inlabitanta Toury on tho same railway has a population of 1250. Tho keep of its old castle still remains Maintenon, 12 miles by railway N.E. from Chartres, is a well-built town at tho junction of the Voise and the Eure, and is remarkable for its castellated residence, originally built by Philippe Auguste, and afterwards rebuilt by Lonis XI. and Charle V1II. The castle was the residence of Madame de Maintenon, Louis XIV.'s wife or mistress Near it are seen the ruins of the squednct commenced by Louis XIV. to bring the watern of the Euro to Versailles. A great portion of the works were demolinhed by Louis XV., who wanted the materials to build the castio of Crecy near Dreus, for hin mistress the Marchioness do Pompadour. There aro a well-preserved Roman camp and soveral Druidical monuments near this town. The chateau of Maintenon belongs to the De Jionilles family, and is in a state of complete repair. Vores, 12 miles from Chartres, has 1293 inlanbitunts, tho manufacture caps and gloves,

2 In the second arrondissement the chief town, Chateau-Dun, stands in $48^{\circ} 4^{\prime} 11^{\prime \prime} \mathrm{N} . \mathrm{Jah}, 1^{\circ} 20^{\prime} 20^{\prime \prime} \mathrm{F}$. long., on a hill above the Loir, which flows in two arms through a narrow valley of groat beanty and fertility, shut in by hills which are eovered with vines and plantations. The town was aluost catirely destroyed by fire in 1723, aud has been since robuilt on a regulnr plan. The streets are all straight, and abut in a spacions square on the summit of the hill, from whieh the whole town can be eeen. The castle, one of tho towers of which was built in 035 by Thibault lo Trieheur, in a remarkablo structure; from it there is a fine view of the town aud the benutiful scenery of the neighbourhood. Clatcau-Dun has 6680 inhabitanta, a tribunal of first intance, a college, public library, and somo important manufac. tures of blaukets and lenther. Bonneval, a busy manufacturing town with 2671 inlasbitants, stands N.1. of Chateau-Dun. A little way out of the town on the road to Chartres is seen the Chateau of Condreanx, once the residence of Marshal Ney. There is a largo dolmau in a prostrate conditiou a little east of the town. Brou, on the Ozanne, a feeder of the Loir, has 2444 inhabitants, who mauufacture linen, serge, sieres, tiles, and weaving gear. There are doep unarl-pits near Brou. Cloyes, south of Chatean-Dun on tho Loir, has beet-root sugar manufnctorica, and 2324 inhabitnuts. Near Cloyes is Courtalin, a rillage in which markets are hold in large covered buildingn. There is here a fine chateau belonging to the Montmorencies, and built in the 15 th centnry. Orgeres, a manll place 16 miles E. from ClitteauDun, gives name to a largo forest in which there is a vast quarry that furnibhod stone to build the cathedral of Chartres. Thin quarry became the retreat of a denperato band of robbors from 1707 to 1800 .
3. Of the third arrondinement the chief town is Ireux, whioh has been noticed in a separnto articlo. [DreUx.] A net, in the north-east of the depmrtment, and In a neighbourhood rich in historical nssociatioun, etands on the right bank of the Fure, and lins 1409 inlinbitants. The castle and londshly of Anct, after jamaing through many noble and roynd hands, was given by Charles VII. to Pierre do lréze in 1140, to recompeaso him for hin ald In driving tho linglish out of Normandy. Louis de lrézé, Pierre's grandson, lad for his second vife Dinne de loitiers, who in her widowhool exereised so great an influence over IfenriII. In 1552, by lienrim orders, IMilibert Delorme bnilt at A not a chatean for Dinno, whlels for itn inuposing architecture, richness of dooorntion, for picturequemeen of site, and the eleganeo and rariod beanty of its groundm, wes unequalled in Erance. This cutcllated mandon was domollahorl in the wild havoe of the first French revolution. Ono wing lann leen restoner? tho principal façade was conveyal to Parim undor the Consnlate, and re-eicted la the court of the I'alain de Dleaux Arts. The beautiful nonument af Jiane de I'olliers, whieh whe of black marblo and murmouyted by a sistuo of that celebrated boaty, hal been dipperiel in frogments among the villagen, but was rentorod by MI. Lonoir, and trangortod by tho Duke
of Orlkas in $1 \$ 10$ to Dreus, where It in now deposited in the rogal chapel. Chdicaw-Nowf, a well-built towa in the Perche district, stands near a large foroat S.W. of Dreux, and has $135^{2} 2$ inhabitants. Near to it weotwanl is Digny, with a population of 1233. Ferte. Fidane, a emall place, deserves mention for ite fine old catle and park, and for ite mineral epriug. Nogent-le-Roi, S.S.E, of Dreux, on tho left bank of the Eure, has 1336 Inhabitants. Philippe do Valois died bere in 1350. In the abbey-church of the abbey of Coulonnbs, which was founded in 1028, and atood on the right bank of the river opposito Nogent-le-1Rol, wes formerly tho monument of Jacques de Breze and Charlotto of France, the natural daughter of Charlen VII. and Agnes Sorel. Senonches, aituated at the odge of a large forest near the sourco of tho Blaise, has team-engine factories, iron-foundries, and smelting furnaces. The inhabitants number 1973, and trade in timber, charcoal, and lime.
4. In the fourth arrondissemont the chief town is Nogent-le-Rotrou, which takes lta distinctive designation from lhotrou, a count of l'erche. It stands in the beantiful valley on the left bank of the Huime, at the foot of a steep hill, on the snmanit of which is an ancient gothio castle, one of the residences of Sully. The town is in general well built; in the interior there is a square formed of good houses and lined with fine trees, which inclose a large space of greensward, aud afford an agreeable promeaade. It has three churches, ono of which named Sto-Laurent dates from the 11th century, three hospitals, a tribunal of first instance, a college, a cousultative chamber of manu fuctures, and 6929 inhabitants, who manufacture serge, drugget, sieves, cotton-yarn, and leather. There aro dyehousea and fulliug-milh, and at the entranco of the town several mills aro driren by the waters of a cascude formed by the little river Areise, a feeder of the lluisne. Tho town trades also in linen, hemp, clover-seed, hay, and straw. Sully's tomb in the chapel of the IlCtel-Diou, on which there is a long eulogistio inacription, escaped tho fury of the first revolution, but his bones were torn out of their resting-place and dispersed. In I428 the Earl of Salisbury seized npon Nogeut-le-Rotrou, but the French soon after recovered it, and threw a garrison iuto the castle for the purpose of annoying tho Miglish army whilst laying siogo to Orleans. The Earl of Salisbury again appeared, stormed the town, hung the garrison, and burnt the castle. This castle was built in 1030; it had five towers, one of which still remains, Authon, S. of Nogent, has 1584 inlabitants. La.Loupe, 15 miles by railway N.E. from Nogent, has a population of 1161. Champrond, a small place Es of Nogent, has iron-inines, iron-works, and peat-beds: population about 1000 .
The department forms the see of tho Bishop of Chartres, is comprised in the jurisdiction of tho High Court of laris, and belongs to tho lst Military Division, of which l'aris is head-quarters.
(Dictionnaire de la Irrance; Annuaire pour C'An 1853.)
I:UROPL is one of the great divisions of the globe, forming the north-western part of the Old Continent, of which it occupies a littie more thas two-seventeenths; Asia contains uearly nine-seventeentha and Africa somewhat more than six-soveuteenths. The surface of Europo contains about $3,900,000$ square miles.

Lurope is separaterl from America by the wido expanas of the Northeris Atlantic, which washes its western mid northern shores, and from Africa by the Moditermanean Sea, Tho boundary-liue which divides Europe from Asin is only in part indientel by nature. This Line runs through the Archipelago, the Strnit of the Dardauelles, the Sea of Marmara, and the Strait of Constantinople to the Black Sca, which is traversed by it Iu the last ceutury the remaining part of the line was drawn through the Strait of Ienikalo aud the Soa of Azof, and then along the river How as far as the point where it approaches nearest to tho river Volga, and afterwards along this river to its confuence with the linma. It then followed the lians to its sources in the Ural Mountains, and was continued along the erest of this range to the source of the Kara, and thence along that river to the Gulf of Kara. I'his boundary line is now abandoned as being too rague, and another ls substitutal for it. Tho new line traversen the Black Sen to the wentern extremity of Mount Caucasus, sonth of Anapa; it then runs along the waterrhed of this range east-south-cast to its eastern extrenity, where it ranches the Caspian Sea at Soom gait, north of the peninsula of Abshoran. Thence it ruus through the Cnspinn Sen, which it leaver at the mouth of the river Ural, whose courso it follows up to its sourees in the Ural Mountrins. The Ural Monutains aud the river Kass constitate tho remainder of this boundary-lize.

The most northern point of tho Europan coutincut is Cape N゙ord K yn, in $71^{\circ} 0^{\prime}$ N. latn ; North Cape, in $71^{\circ} 10^{\prime}$ N. Lat., is on au islaud called Magerio. Tho most southern pointa are-Pusta do 'larifa in Spaiu ( $36^{\circ}$ N. lato), and Capo Matapan ( $36^{\circ} 17^{\prime} N^{\prime}$. lato) in Greece. The most western pointa aro-Capo St. Vincent ( $9^{\circ} \mathrm{W}$. long.), Capo loca ( $0^{\circ} 29^{\prime} \mathrm{W}$. long.), and Cape $\mathrm{F}^{\prime}$ inisterre ( $9^{\circ} 27^{\prime} \mathrm{W}$. loug.). The most eantern point is in tho Ural Mountains, wost of likatarinburg ( $60^{\circ} 20^{\prime}$ li. long.). But some of the islands extend farther south and west than tho contineut. The most southern point of the island of Candia is $34^{\circ} 55^{\prime} \mathrm{N}$. lat. Tho lblaket islauds on the west of lrelaud lic in $10^{\circ} 5^{\prime} \mathrm{W}$. long. Cape Fugleverg fin lceland is near $25^{\circ} \mathrm{W}$. long. and the anost weatern of the Azorem, Corvo and llores, $31^{\circ} \mathrm{W}$. long. The moist northern extreenity of Nowaya Szemlis is about $77^{\circ} \mathrm{N}$. Jat. A. atraight line drawn from Oppe St. Vincent to the mouth of the
river Kara on the Frozen Oeean, the north-eastern extremity of Europe, does not much exeeed 3000 miles; and another, drawn from Cape Matapan to Cape Nord Kyn, is 2400 miles long.
As every part of Europe is described in the Enguish Cfclopadis under the natural or political division to whieh it belongs, and all the more important mountain ranges, rivers, and other great physical features have separate artieles, it would be superluous to repeat such descriptions here. All therefore that we propose to do under the present heading is, to give such a general notice as may facilitate reference to particular articles, adding any additional information that would not readily find a place under the separate headings.
Physical Geography.-Nearly two-thirds of the surfaee of Europe consist of an immense plain; the remainder is partly mountainous and partly hilly. The plain occupies the eastern part of the contineut, and the hilly and mountainous countries extend along its western and southern shores. On the eastern boundary the plain extends across the whole continent from south to north, from the mountain range of the Caucasus and the shores of the Black Sea to those of the Aretic Oeean. In width it extends in this part of the continent from the Ural Mountains to $26^{\circ} \mathrm{E}$. long. To the west of this meridian it terminates ou the north on the shores of the Baltic, and in the mountain region of Scandinavia; on the south it continues along the southern shores of the Baltie, and extends even farther west to the shores of Holland opposite the Britisl Islands. If small eminences are not taken into account, it may even be said to continue in a southwest direction through Belgium and the northern parts of Franee to the banks of the Seine, where it terminates between Paris and the month of the river. The portion of the plain west of the meridinn of $26^{\circ}$ is narrowed on the south by the Carpathian Mountains and other ranges which are connected with them. Towards the eastern part it extends over 10 degrees of latitude, but in its progress towards the west it becomes gradually narrower till its mean breadth does not exceed 3 degrees of latitude, exeept where the peninsula of Jutland joins it. Along the const of the North Sea it is still narrower.

By this narrow portion of the Great European Plain and the Baltie (which may be considered as its lowest part, being covered with water), the mountain regions which constitnte the western portion of the continent are divided into two separatc systems. To the north lies the system of the Scandinavian Mountains, and to the south what we shall here call the South European Mountain System. The islaud of Great Britain may be regarded as a connecting link between theso mountain systemz.

The Great Plain occupics about 2,500,000 square miles; the South Furopeau Monntain region, which extends over the whole of South Europe from Cape La Roca in Portugal to the Strait of Constantinople, and presents a surface more diversifled in its form than any other portion of the globe of equal extent, China perhaps excepted, occupies about $1,100,000$ square miles ; and the Scandinarian Mountain System, which comprehends the whole of the Scandinavian peninsula, or Sweden and Norway, about 300,000 square miles. [Alis; Apensives; Balean; Cahpathians; Caucasus; Cevennes; Jors; Prexexées; Ural Mountans, de.]

The coast-line of Europe is formed alternately by wide projecting promontories and deep bays, which divide them from one another. This peenliarity has led a large proportion of its inhabitants to a seafaring life, and as the winds and weather in the waters that surround this continent are not regulated by the seasons of the year, but are subject to continual changes, this circumstanee has given to them that boldness in maritime enterprise which forms the most distinguishing feature in their character, and raises them above most other civilised nations of the globe.
Europe in fact, considered by itelf, is only a large peninsula, which is further cut up into a great number of smaller peninsulas by the interior seas and gulfs which penetrate far inland into the maiu mass of the peninsula ; consequently, in proportion to its surface, it presents a much greater extent of coast than any other of the great divisions of the globe, as will appear by the annexed table, which however must be considered only as a rough approximation :-

|  | Surface in Sqnare Miles. | Coast-line: Milcs. | Ratio of one Milo of coast-line to area in Square Miles. |
| :---: | :---: | :---: | :---: |
| Asia | 18,000,000 | 35,000 ; or including the islands, 40,000. | 500; or including the islands, 420. |
| Africa. | 14,000,000 | 16,000 | 900 |
| Farope | 3,800,000 | 20,000 | 100 |
| Amerter | $15,000,000$ | 32,000 (without the coast of the Arctic Sea). | 470 |

Tho Atlantie Ocean, with which all the seas that wash tho shores of Europo are connected except the Caspian (and this is rather to be considered as an immense inland lake), forms the Bay of Biseay hetween Cape Finisterre and tho island of Ushant; the Euglish Channel, between the northern coasts of Franeo and the southern coasts of Fngland; St. George's Channel, between Great Britain and Ircland; and the North Sea, which separates Great Britain from tho Netherlands, Germany, Denmark, and Norway.

The close seas, whieh are united to the Atlantic by straits, are the White Sea, the Baltic, and the Mediterranean; with the latter the Black Sea and the Sea of Azof are connected.

| Seas. | Specifc Gravity of its Waters. | Extent in Square Miles. |
| :---: | :---: | :---: |
| Mediterranean | 1.0293 | 760,000 |
| Black Sea and Sea of Azol . . . | 1.0142 | 190,000 |
| Caspian . . . . . . |  | 180,000 |
| Baltic - - | 1.0400 | 160,000 |
| White Ser - $\cdot \stackrel{\circ}{ } \cdot$ | 10190 | 40,000 |
| Atlantic Sca, in the northern hemisplace | $1 \cdot 0283$ |  |

The basin of the Caspian Sea, though it is only draincd by two large rivers, the Volga and the Ural, oecupies a surfaee of 850,000 square miles, as far as it belongs to Europe, and runs with its northern boundary along the parallel of $60^{\circ} \mathrm{N}$. lat. The basin of the Volga, the largest of the rivers of Europe, contains an area of above $\mathbf{7} 50,000$ square miles. The basin of the Blaek Sea is somewhat larger. Its area in Europe is rather more than 900,000 square miles. The countries which are comprehended in the European part of its basin are drained by the Danube, Dnieper, Dniester, Don, Kuban, and their trihutaries. The basin of the Baltic is nearly equal in extent, including the Cattegat and Skagerack, being on alI sides surrounded by countries which belong to Europe; their basin extends over a surface of nearly 900,000 square miles, though perhaps none of its rivers rise more than 350 miles from its mouth in a straight liue. The great rivers which fall into the Baltie are the Oder, Vistula, Niémen, Düna, Newa, and the numerous rivers descending from the Seandinavian range, as the Tornea-Elf, Calix-Elf, Lulea-Elf, Pitea-Elf, Scaleftea-Elf, Umea-Elf, Angerman-Elf, Indals-Elf, Liunga-Elf, LiusuaElf, and Dal-Elf; and hikewise the Götha-Elf, and Glommen, which fall into the Cattegat aud Skagerack. The basin of the White Sea is drained by the Dwina, the Mezen, and Petshora, and some other smaller rivers, and oecupies a surfaee of about 400,000 square miles. Though the coast-line of the Atlantie from Cape North Kyn to Cape Tarifa comprehends the whole of the shores of the western deelivity of Europe, including the British Islands, its basin probably does not mueh exeeed 600,000 square miles. No considerable river flows iuto the Atlantie between Cape North Kyn and the mouth of the Elbe. Into the North Sea there How the Elbe, Ems, the Rhine, Scheldc, and of the rivers of Great Britain the Spey, Tay, Forth, Humber, and Thames; into the English Channel only the Seine; into St. George's Channel the Severn; into the Bay of Biscay the Loire and Garonne ; and immediately into the Atlantic the Clyde, the Shannon, the Duero, Tajo, Guadiana, and Guadalquivir. The basin of the Mediterranean, including the Arehipelago, is by far the smallest of all those which belong to the inland seas of Europe, comprehending only about 250,000 square miles. The largest of its rivers, the Rhône, flows only 500 miles, ineluding its bends. The other rivers, whieh are of a considerable length, are tho Ebro in Spain; the Po and Tiber in Italy, and the rivers of Albania and tho Maritza in Turkey. All the rivers whieh drain the basins of the Mediterranean and Atlautic Sea rise in the South European mountain region; those which fall into the Blaek Sea rise within the Great Ilaiu, except the Danube and its tributaries, which drain about one-third of the mountain region. The rivers whieh ruu to the Caspian rise partly on the watershed of the Great Plain, and partly in the Ural rangc ; and the same is the ease with those that drain th. basin of the White Sea. The rivers which flow from the east into the Baltic rise on the Great Plaiu; those which flow into it from the south rise on the edge of the mountain region; aud those whieh fall into it from the north descend from the Scandinaviau range.

Climate-The climate of Europe presents great differences, if we compare it with that of those countries in other divisions of the globe, wisich lie within the same parallels. It is a well-estabhished fact, that the eastern coast of North Ameriea is much colder than the western coast of Europe, under the same latitudes. This difference is in some places equal to 10 degrees of latitude. Thus we find that the mean annual heat of Loudon ( $51^{\circ} 31^{\prime} \mathrm{N}$. lat.) is nearly $50^{\circ}$ Fahr., while at Quebec ( $46^{\circ} 48^{\prime} \mathrm{N}$. lat.) it hardly exceeds $42^{\circ}$ Fahr. At Lisbon ( $38^{\circ} 43^{\prime} \mathrm{N}$. lat.) it is $611^{\circ}{ }^{\circ}$ Fahr., and at Williamsbury in Virginia ( $37^{\circ} 5^{\prime} \mathrm{N}$. lat.) only $56^{2^{3}}$ Fahr. It is however worthy of remark, that tho eastern eountries of Europe, espeeially those north of the Black Sea, are much colder, and approach in climate those of the easteru coast of America. At Moscow ( $55^{\circ} 47^{\prime} \mathrm{N}$. lat.) the mean annual heat is not quite $38^{\circ}$ Fahr., whilst at Edinburgh ( $55^{\circ} 58^{\circ}$ N. lat.) it cxceeds $47^{\circ} \mathrm{Fahr}$.

With respeet to climate, Europe may be divided into three zones, the northern, the central, and the southerin. These zoncs may be separated from one another by two lines, of whieh tho northern begins near $60^{\circ} \mathrm{N}$. lat. ou the western coast, aud terminates between $55^{\circ}$ and $54^{\circ} \mathrm{N} .1 \mathrm{lat}$. on the Ural range on the east; the southern commences about $48^{\circ} \mathrm{N}$. lat. on the west, and terminates ou tho east at the mouth of the Danubo ( $45^{\circ} \mathrm{N}$. lat.). In the northern zone ouly two seasons occur, summer and winter, the former lasting about three mouths (June, July, and August), and the latter nearly nine
monthe Tliese rensons are sepirated by a spring and auturun of a few days, raroly two weeks duration. In anmmor the heat in vory great, and the vegotation inconceivally rapid. The winter is severe and boistervus, and briugs down immense quantities of suow. In the ceutral zone the four seasous aro distinct, and the passage from heat to cold, and riec versa, is very cralunl. The heat is leas than in the northern zone, and no is tho cold during tho winter; still frost prevaile during two, three, or fonr manths, nul snow is common except on the coasta In the southera zone front in either not felt at all or ouly dnring a few days; and snow is of rave occurrence, or it doen not lie on the ground for moro than a few daya, Vogetation acconlingly is very little interrupted. But the countries withiu this zone lare abundant rains during tho last throe mouths of the year, and are subject to gnat and long droughts in summel: These droughts frequently continue for four or five months, and in some places occanionally for eight or nine montha

Inhabitumes and Polifical Dirisions.- Nearly tho whole population of Europe belougs to that race which is comprehended under the name of the Caucasian race; but along the Ural range, aud at the znost northern extremity of the continent, a few nations occur which belong to the Mongolian'race ; to which must be added the Magyars, who inhanbit nearly the centro of Europo (Hungary).
Tho population of Europe amounts to nearly $265,000,000$ in round numbers. The Christian roligion is that which geucrally prevaila. The Roman Catholic faith is nearly exclusively professed by the inhabitauts of Portugal, Spain, and Italy, and also by the anajority in France, Anstria, Mavarin, Poland, Belgium, and Ireland. Roman Catholics are also numerous in some cantous of Switzerland,
aud some provinces of Prusaia and Russia. The whole number of the adherents of this faith it is calenlatod may anount to $130,000,000$. To the Groul church belong the Russians and the Greeks; nud a great number of the members of this church are dispersed over different parts of Turkey : they nuement altogether to about $55,000,000$. The inhabit ants of Swoden, Norway, and Deminark are nearly exclusively Protestantro; and the various accts of Protestants form tho great majority lu Eugland, Scothand, 1 lol Land, Switzerinad, Prussia, and the northern nnd western states of Germang. In France, Irelaud, Ikelgiun, and some provinces of Russia, Protistnnts aro numerous. The whole unaber is about 65 millions. Thero aro Armonians in liussia, Austria, and Turkey; about 400,000 in all.

The Turks and Tartars, with some of the emall tribes of Mongel origin along the Ural Mountaius, are Mohammedaus. Their number is supposed not to fall much short of $0,000,000$. Among the Laplandern and Samojedes there are atill nomo who have not ennbracel Christiuuity. The Kalmucks and the Kirghines nre mostly Bhuddists. At Astrikhas there are a fev Hindoos. The Jews aro most numorous in some parts of Russia, I'oland, Austria, und Thrkey. Their uumber caunot bo accurately eatimated. In the south-eastern countries of Europe there is a cousiderable number of Eypsies: it is doubtful what their religion is
The followiug is a tabular riew of the sovereigu states of Linmpe in 1854, nnd may serve at the sane time rs a list of articles to which to vefer for further particulars. The areas nud population are given from the latest and best authorities; wherever it could be got tho population is from official documents; where round numbers are given thoy may be considered as approximations.

| Etaics. | Form of Government. | Area in Square millea. | Population. |
| :---: | :---: | :---: | :---: |
| A idorra (l'yrencex) | Republic, with two syndica and a councli | 200 | 10,000 |
| Anhall-3ernburg . |  | 317 | 32,641 |
| Anbalt-küthen . . . . . . . | Duchies; absolute sovereign prince | 307 | 13,677 |
| Anhalt-Dessan . . . . . . . |  | 335 | 80,082 |
| Austria, Empirc of | Absoluto monarchy . . . . . . . . | 255,72: | 36,514,460 |
| Baden . . | Grand duchy ; limited sovercignty, with iegishature of two chambers | 5,893 | 1,350,943 |
| Maparla . . . . . . | Linited monarchy; two chambels . - | 29,028 | 4,559,152 |
| Belplam . . . . . . . . . | limmited monarehy; two chambers | 11,400 | 4,426,202 |
| Bremen - - . | Republic; senate and burgher-assenibly | if | i9,04i |
| Britain, Greaf, Ireland, and settlementa, and islands in Europe | Limited monarebs ; two houses of parliament . | 121,280 | 27,615,014 |
| Brunmwlek • - . . . . . . . ${ }^{\text {b }}$ | Dueby; limited sovercignty, with two chambers | 1,524 | 2;0,825 |
| Denmark, Continentai ${ }^{\text {Denmark }}$ (ands (Including Iecland) . . . | Absolute monarelis, with provincial states having limited powers | 21,000 38,603 | $2,296,507$ 08,150 |
| Denmark lslands (Ineluding Iecland). <br> France | Monsrehy; two chambers with fimited powers . . . ! | 200,954 | 08,150 $35,781,623$ |
| Frankfurt (on the Main) | licpublic; senate and legislative body . . | Ss | 77,950 |
| Greees . . . . | Limited monareby; senate and legislative chanibera | 15,234 | 990,3is |
| llamburg | liepublle; two burgomasters, senate, and cominon conn | 150 | 188,054 |
| 11anover | Limited monarchy ; two chambers. | 14,830 | 1,810,253 |
| llense-Cammi, or Electorate of llesse | Limited sovereignty; two chambers | 3,730 | 754,590 |
| Hepse-Darmatadh, or Grand Ducby of lleaso | 1.imited noverelgnty; two chnmbers | 3,342 | 854,314 |
| 1lease-1lomburg | Landgraviate ; sbolute sovercignty | 106 | 24,921 |
| Ionian lsiands | Free state; with councll and one chamber, under liritish proteetion | 1,100 | 228,000 |
| L.lehtenstein | l'rincipaity; llmited, with one chamber | 30 | 6,351 |
| Lippe-Detmold | Princlpality; finited, whth one chamber. | 450 | 108,230 |
| L.abeek - | Republic ; senate and common councll | 120 | 34,166 |
| Meeklenburg-Sciwerin | Grand duchy ; limited sovercignty, with two chambers . . | 4,810 | 512,i 63 |
| Meeklenburg-Strelitz . | Grand ducly ; limited sovereignty, titb two clambers | \% 63 | 90,02. |
| Modera | Ducly ; absolute sovercignty | 2,330 | 580,433 |
| Monaco . | Principality ; under protection of Sardinia . . . . | 30 | 7,000 |
| Montenegro | Principality; absolute . . . - | 1,480 | 120,000 |
| 入ısяau | Dueby; limited soverelenty, with two chambeis. | 1,700 | 420,060 |
| Setherlands (xith Ducliy of Laxeniburg) | 1.Inited monarchy ; tno chambers . . . . | 13,590 | 3,362,025 |
| Oldenburg . | Grand duchy; flmited soverelgnty, with two chambers | 2,440 | 281,923 |
| Tapral states | Absolute and elective soverelgnty | 15,800 | 2,908,115 |
| lırma - | Duchy; alsolute - . . | 2,395 | 302.841 |
| Portugal (inciuding Madelra and the Azores) | Limited monarchy, with chamber of reprefentatives. | 37,930 | 3,514,iil |
| Prumia | Monarchy, with two chambers fiaving limited powera | 108,294 | 16,340,623 |
| Weum, Principalitice of | Limited sovereignty, with ono clamber | 600 | $\sum 112,1: 3$ |
| Ilusala, Fmplic of-Rornjan Dounlnions | Absoluto monarchy . . . | 2,039,053 | 33,301,613 |
| Revois, Empire of-Kiogdom of l'oland | Absolute monarchy . . . . | 49,253 | 4,810,733 |
| San Mirino | 1tepublic ; soverciga council - . . . | 27 | 7,600 |
| Sardinla . . . | Limited monarelig, whih two chambers . . . . | 29,000 | 1,910,084 |
| 8axany - . . . . . | Limitel monarelig, with two elainbera . | 3,7i0 | 1,987,832 |
| 8ave-Alterbart . . . | 1.1mited munarehy, with one clatiner . . . | 300 | 132,849 |
| Rane-Coburk and Gotha . | limited monarehy, with one chaniber for each ducty | 71 | 150, 112 |
| gane-Miningenollidborghausen | Limited monarely, with one chamber | 070 | 160,304 |
| Maxc-W Mmar-lisenach | limited monarely, with one clamber | 1,401 | 202,324 |
| Rehatmbure-1ippe . | Limited monarely, with one chamicr . . | 200 | 30,220 |
| Kebwsrzberg-Rudolntadt | Limited monarchy, with one cliamber . . . | 330 | 69,038 |
| Rehwarzburis -Sonder shaven | Grand duehs; linited sovercignty, with two chmabers. | 327 | 00,847 |
| Siellies, the Two | Monarely, with a council (consilta) . | 43,100 | 8,104,172 |
| Spain - . | Limited monarchy, with leginlature | 182,541 | 14,210,210 |
| Areden and Sorway | Limited monareby, wlth two chambera | 203,080 | 4,702,274 |
| 8 wlizerland . | Confederation of republice, with diet | 15,250 | 2,302,740 |
| Turkcy | Abmolute monarchy . . . | 190,000 | 15,300,000 |
| Tumesy | Grand durly ; abolute soverelenty . - . | 8,543 | 1,778,021 |
| Waldeek | Prinelpality ; ilmited sovereignty, with one chaniber | 400 | 50,697 |
| Wurtemberg . | Limited menarely, with twe chambera . . . | 7,520 | 1,733,263 |
|  |  | 3,793,064 | 204, 023,750 |

We add a table of the mammalia which are found in Europe similar to that given under Asia, and from the same authority.

| Orders. | Whole No. of known species. | Whole No. of European species. | No. of species peculiar to Europe. | No. of species common to Europe and other Continents. |
| :---: | :---: | :---: | :---: | :---: |
| 1. Qradrumana. | 186 | 1 | 0 | 1 |
| II. Carnivora | 731 | 64 | 20 | 44 |
| III. Marsupialia | 140 | 0 | 0 | 0 |
| IV. Rodentia | 604 | 61 | 21 | 40 |
| V. Edentata - | 34 | 0 | 0 | 0 |
| V1. I'achydermata | 38 | 1 | 0 | 1 |
| V1I. Ruminantia . | 159 | 14 | 7 | 7 |
| VIII. Cetacea | 55 | 24 | 7 | 17 |
| Total | 1967 | 16.5 | 55 | 110 |

EUSTA'TIUS, ST., one of the Leeward islands in the West Indies, in $17^{\circ} 33^{\prime}$ N. lat., $63^{\circ} 3^{\prime} \mathrm{W}$. long., is a small rocky island, about 25 miles in circumference, rixing from the sea in the form of a truncated cone, terminating in a plain surrounded with woods, having a hollow in the centre, which is now a vast den for numerous wild beasts, and is perhaps the crater of au extinct rolcano. The climate is in general healthy, but the island is frequently visited by dreadful thunderstorms, and hurricnnes which usually occur in Angust and September. The extraordinary fertility of the soil, aided by the industry of the Dutch, who have cultivated the island to the very summit, have rendered it one of the most flourishing and wealthy of all the Caribbee Islands. The principal article of cultivation is tobacco, but they grow likewise sugar, indigo, and cotton. The island has great abundance of hogs, goats, labbits, and poultry of all kinds, not only for the consumption of the inhalitants thenselves, but for the supply of the neighbouring colonies. This may be one ground of the very jealous policy of the Duteh, which is far more strict than that of the other European nations who possess suy of the islands. The only lauding-place, naturally difficult of access, is guarded by a fort, and fortified so as to render it impregnable; nor has anything been neglected to render every part of the island equally so. This islaud belongs to the Dutch, who colonised it about the year 1000. The united areas of St. Eustache and Curaçoa anount to 368 square miles; and the united population of the two islands on tho last day of 1852 was 26,311. The Christinn population of St. Eustache includod 1371 Protestants, 175 Catholics, and 360 Methodists. In Curncoa there were 12,933 Catholics, 1833 Protestants, and 753 Jews. We know not what amount of Pacran population belongs to each. [Curaçoa.]

EUXINE [Black Sea.]
EVAUX. [Crevse.]
EVENUS. [ETOLIA.]
EVERGEM, [Flanders, East.]
EVERSIIOT. [DoRsETSHIRE.]
FVERTON. [LANCASHIRE]
EVESHAM, Worcestershire, a municipal and parliamentary borough and market-town, and the seat of a Poor-Law Union, is pleasantly, gitnated on the right bank of the river Avou, in $52^{\circ} 5^{\prime} \mathrm{N}$. latz, $1^{\circ} 56^{\prime}$ W. long., distant 15 miles S.E. by E. from Worcestcr, 96 miles N.W. by W. from Londou by road, and 109 miles by the Great Western aud Oxford and Wolverhampton railways. The population of the borough of Fivesham in 1851 was 4605 . The borough is governed by 4 aldermen and 12 councillors, one of whom is mayor, and returns two nembers to the Imperial Parliament. The liviug is a vicarage in the archdeaconry and diocese of Worcester. Evesham Poor-Law Union contains 30 parishes and townships, with an area of 43,050 acres, and a population in 1851 of 14,338 .

Evesham, originally Eoresham, was of somse importance prior to the Norman Conquest. An abbey, dedicated to the Virgiu Mary, was founded here at the beginniug of the Sth century, which possessed numerous endowments and extensive privilcges. Clement Lichfield, one of the last of its abbots, built the isolated tower called the Abbot's Tower, to be used as a bell tower. It was erected immediately preceding the Reformation, and is a beautiful specimen of the perpendicular style. The tower is 110 feet in height, and 28 feet square at the base.

An ancient stone bridgc of eight arches crosses the river at Evcsham. The two principal streets of Evesham are wide and clean: the town is lighted with gas, and paved. The guildhall, erected in the 16 th century, in the market-square, was repaired by subscription in 1834. Considerable improvement has been effected in the town of late jears. The parish church of All Saints is chiefly of the decorated style ; the earliest portion is of the 13 th century. It has a tower and spire, and a very handsomo porch. St. Lawrence's church was in ruins for nearly a century till 1837, when it was restored. The style is perpendicular. St. Peter's church, Benzeworth, on the Ieft bank of the Avou, was built in the 13th century. The Baptists, Indcpendents, Wesleynn Methodists, Quakers, and Unitarinns lave places of worship, and there aro National, British, and Infant schools, a literary institute, a, eavings
bank, a medical dispensary, aud various charities. The Grammar school, founded by Abbot Lichfield, aud re-founded in 1605 by Prince Henry, the eldest son of James $I$., is free to uone ; the scholars pay a small quarterage. The income from endowment is $14 l$. a year and a house : the number of scholars on the foundation in 1853 was 12 . At Bengeworth is a school founded in 1729, uuder the will of Alderman John Deacle of London, for poor childreu of the parish of Bengeworth, of which the founder was a native. The income from endowment is 256l. a year ; the number of scholars iu 1852 was 30 . The affairs of this school are in Chancery. Petty sessions and a county court aro held. The vale of Evesham is exceediugly fertile, and numerous market-gardens aro in the vicinity of the town. A considerablo amount of busimess is doue in hops and seeds; there are corn-mills and a linseed-oil mill. Nalting, tanning, aud the making of agricultural implements are carried on. Many females arc employed in sewing kidgloves for the glove-makers of Worcester: Parchment is made to some extent. The market-day is Monday. Fairs are held ou February 2nd, the Monday after Easter, Whit-Monday, aud September 21st. The September fair is usually well supplied with cattle and horses. A great battle was fought near Evesham on the 4 th of August, 1265, between Prince Edward (afterwards Edward I.) aud Siuion Montfort, earl of Leicester, in which Montfort was completely defented, and he and his son fell in battle.
(Nash, Woncestershire; May, Mistory of Evcsham; Communication from Evesham.)

## EVORA. [Alemtejo.]

FVRAN. [Côtes-dC-Nord.]
EVREUX, au ancient episcopal city in France, the capital of tho department of Eure, stands in a pretty valley shut in by hills ou the north and south, aud watered by the Iton, which flows through the town in three branches, on its way to the Eure. It is situated in $49^{\circ} 1^{\prime} 30^{\prime \prime}$ N. lat., $1^{\circ} 9^{\prime} 14^{\prime \prime}$ F. long., at a distance of 60 miles W. from Paris, and has 11,706 inhabitants. The streets of Evreux are broad and neat; the houscs are nostly built of wood and plastcr: The cathedral, which dates from the 11th ceutury, is a very imposing cruciform structure, though it is not uniform in style. The north trinsept and the portal leading to it are in the forid gothic, and are greatly admired; the west front is in the Italian style; the interior is lighted through many beautiful painted glass windows, of which those of the Ladye chapel, and the rose windows of the choir and transepts are particularly admired. At the intersection of the nave and transepts rises an octagonal tower, built with cut stone, and supported on four pillars. The tower is surmounted by a pyramidal spire of open stouework of the most graceful execution. The abbey church of St. Thaurin, built by Richard II., duke of Normaudy, also presents specimens of different styles, introduced in the various repairs it has undergone: it contains the shriue of St. Thauriu, executed iu the 13 th century. This church was originally built in A.D. 660, over the tomb of St. Thaurin, first bishop of Evreux, the chief events of whose life are depicted ou the windows of the choir. Other remarkable objects arethe clock-tower, the public library, the botanical garden, the prefect's residcnce, the bishop's palace, the prison, the park, aud the promenades in the neighbourhood, which is prettily laid out in gardens, viueyards, and meadows. The magnificent Chateau-de-Navarre, near the towu, built by the Duke of Bouillon on the site of a country-house of Jcanne de Navarre, was the resideuce of the young Pretender previous to 1745 , aud of the Empress Josephine for some time after her* divorce from Napoleon; it was demolished in 1836, its plautatious cut down, its streams turned to drive machinery, aud its grounds brouglat into profitable cultivation. There remaius however still a pavilion named the little clatteau, which was built in 1749 on the occasion of a visit from Louis XV.

The town has tribunals of first instance and uf commerce, two ccelesiastical scliools, a college, primary normal school, saviugs bauk, \&c. The mauufactures are ticking, hosiery, woolleu stufts, vinegar, cottonyaru, leather, \&c.; and the commerce of the towu is composed of these a.ticles and of com, brandy, cider, perry, linseed-oil, linen hides, and groceries. The railwny from Paris to Cherbourg, which leaves the Paris-Roneu line at Rosny, below Mantes, and is now in course of construction, passes through Evreux. A branch railway is also in course of construction to Evreux from the Vernon station on the Paris-Ronen line, as stated in the article on the department of Eure. [Eure.]
Erreuxstands on or near the siteof the ancicnt Mediolanum, the capital of the Aulerei Eburovices. The name Eburovices was afterwards applied to their chief city, and in the middle ages appears under the corrupted Latin forms of Ebroicce and Ebroas, from which is derived. Evreux. The town was taken flom the Romans by Clovis. In 892 the Northmen under Rollo sacked and plundered it. After the settlement of the Northmen in this part of France, Evreux aud its dependencics were goverued by counts, from whom it passed to the house of Montfort in 1118 ; but Henry I., kiug of England and duke of Normandy, who was at eumity with that family, seized Evicux and its territory and erected it iuto a distinct county in favour of oue of his natural sons. Montfort however, aided by the Counts of Anjou and Flanders, laid sicge to Evrcux, which was put into his hands by treason. Ou this occasion the Euglish garrizon was massacred, aud the houses and churches given up to pillage. In tho begianing of the 12 th century
(in 1112) Eirreux was bumed by Ilenry I., king of England; and towarls the clowe of the rame century (in 1104 and 1199) it was twice taken by Plilippe Augunte, king of France, who shortly afterwanis acquired jermanent poesessinn of it. The county of Erreux was bestowed as an appanage on a branch of tho royal family of France, which sulwoquently acqnired the throne of Navarre; but on the death of Charles the Bad, king of Navarre, It reverted to the French crown. In the ware of the Faglish in France, under IIenry V. and IIenry Vi., Frreux was repeatedly taken and retaken; in 1411 it was captured, after a rlgorous resistance, by the French. The town was besieged and taken ly. Marsinal de liron shortly before the battle of Ivry. The enstle of Eireux, whlch stood within the town, was replaced by a residenco of the dukes of Bouillon, erocted in 1652, and now used ns the prefect's revidence. The clock-tower stands on the site of the keep of the old cantle.
At lifil Erreur, a vilage near fivreux, there are seroml ancient remains, including a theatre, an aqueduct, nod some fortifications, which are supposed by some to mark the sito of Mediolanum.
(Dietionnaire de la France; Lo Brasseur, Histoire da Comté (f) Efrewar.)

EWELL [SCRMr.].]
FX, RIVER [Drvonsmire]
FXCIDFUIL. [DORDOGME]
EXETER, Devonshire, the capital of the county, a city and county in itself, and a parliamentary borough, is situated on elevated ground on the left bank of the river Ex, in $50^{\circ} 11^{\prime} \mathrm{N}$. lat., $3^{\circ} 33^{\prime} \mathrm{W}$. long., distant 164 miles W.S.W. from London by road, and 193 miles by the Great Western railway. The city is governed by 12 aldermen and 36 councillors, one of whom is mayor, and returns two members to the Inperial Parliament. The populntion of the city and county of Fxeter in 1851 was 32,318 ; that of the parlinmentary borough 40,688. The livings are in the archdenconry and diocese of Exeter. For Poor-Law purposes the city of Exeter is managed under a local act.
lixeter is supposed to have been a settlement of the Britons before the Roman invasion. It was then ealled Cacr-Ire and Caer-Rydh, the former derired from its situation on the Fix or Isc, tho latter frem the red eoil on which the castle is built. Dy the Romans it was called leca Dumnoniorum. Many coins, small bronze statues or penates, temelated pavemeuts, and other lloman antiquities hare been discovered near the walls nad in the neighbourhoorl of the city. In the relgn of Alfred the town was called Exan-Cestre (Castle on the Ex), whence lts present name About 927 the Cornish mell were disposseseed of Fixeter by Athelstan, who is regarded as the founder of the existing city. William the Conqueror took possemsion of the city after a close sicge of 18 daya. It was beaieged on soveral occasions in later periods of its history.
The city of Exeter was formerly surrounded by walls and strongly fortifiod. Situated on a high eminence, on the north side of the tomn, are the ruins of the castle, called 'Rougemout.' It was completely dismantled during the civil war. In the area of the castle-yard a newions-house has been erected, $\pi$ nent building, faced with Portland stonc ; it contaius, In additiou to two good-sized courts, a grand-jury room, magistrates' room, \&c. In front is a large open space, where county, election, and other meetinga are beld. To the north of the mastle 18 a delightful walk, shaded by fine old clm-treen, called the Northernhay.' Nearly in the centre of Exeter is the guildhall, where the assizes for the city are held, as well as the sesaions, clections, and other civic business. The building contaius several raluable portraits, among others those of Henrietta Maria, queen of Charles the First, of her daughter Ilenrietta, duchess of Orlcans, who was born in Excter, and of Genernl Monk. Lixeter cathedral, an it at present stands, was probnbly begun soon after the see of Devon was transferred to Fxeter from Crediton, in the year 1049. It was considerably altered and enlarged by Werlewast, third bishop of Exeter, a Norman, who came over with the Conqueror. It then assumed its present cruciform shape, but underwent numberlezs alterations and additions curing the $18 \mathrm{th}_{\text {and }} 1$ th centuries. it now consists of a nare, 78 feet in width and 175 feet in length, with aiklem on each mide; two short tranepts, formed hy two Nornan towers 145 feet $\ln$ leight; a choir of the same width an the nave, and 128 feet in length; ten chapels or oratories, aml a cbapter-honse. The whole building from cast to west (including St. Mary's Chapel) is 108 feet in length. The western frent is highly docomted with a profurlon of nlclies and elegnntly-carved figres, and preseuts one of the richent fagrules of ang biilding In England. The interior in excecdingly fine in lte decomatious and genernl appearauce. The biahopis throne, whlch in of black onk, elaborntely carred, rises In a pyramidal form to the beight of 52 fect; It was erected towarils the clomo of the 1 sth century. In the cathedral are numerous monnmente of intercst. The chapler houne in a beantiful edifice, with a landeome oak roof; in this buildiug le contnined the catliedmal libmry, consiating of about 8000 volumes. The orgnu is one of the largent In Europe; tho large pipen are nearly 23 feet $\ln$ height, and 1 feet in circumferenca. in the north tower are the 'Peter bell, one of the largent belln in tho kingilom, and a largo cloek of exceedingly curious antique workmanalip. The esuth concr contains a peal of it hells.
The city wha nnciently held in demene by the crown: the earlient
quarter semions, and the assizes are held by the judges of the wentern circuit twice a year for the county of the city at the guildhall, and twice a jear for Deronshire at the sesmionshouse. A couuty court is held in the city. There are places of worship for Baptists, Quakers, Independente, Wealogas and other Methodists, Unitarians, lioman Catholich, and Jomm
Excter is ou the whole a well-built and clean city. Two main lines of atreet intersect ench other, mecting in the centrul part of the city; one line is called tho 1 ligh-street and Forentreet, the other Northstreet and South-street. The older streets aro generally narrow, but thero aro baudsome equarem and terracu in Northeulhay, Southernhny,太c, which contaiu may well-built houses. Fixeter is lighted with gos, and is supplied with water by water-works erected in 1794. Tho gnildhall, in High-street, was rebuilt about the middle of the I5th century; it has a singular portico, supposed to havo becn added about the close of the 16 th century: the portico projects iuto the stroet, and forme a prominent feature in the line of buildings. The subscription balloroom is a spacious apartment, measuring 80 feet by 40 feet, and is very handsomely fitter up. A subscription library is in Fore-street. In the enthedral yard is the Devon aud lixeter Institution, founded in 1S13, for the promotion of arte, \&c., the libmry of which contains several thousand volumes. A museum is connected with the Polytechnic Institution, founded in 184\%. Among other public buildings are the custom-house on the quay, the thentre, caralry barmeks, bridewell, county jail, and city prison. A handsome stone bridge of a single arch was erected over the river Ex in the year 1578, at an expense of about 20,0001 ., a little above the site of an ancient bridge originally built in 1250. The port of Exoter extends from the const near Lyme Regis to the Ness Poiut. The ship canal, by which vessels of considerable size come up to the city, was originally formed in 1544, contrihutions of a portion of their communiou plate having been made towards the expenso by the parishes interested in the scheme. In 1827 the canal was lengthoued nud deopened, aud a spacious wet-dock constructed at the Exeter termination of the canal. The gross amonnt of customs duties received at the port during 1851 was 93,1841 . 10s. 1d. On December 31st, 1853, the ressels registered at the port were:- 41 under 50 tons, tonnage 1197 : and 146 above 50 tons, tonange 19,533. During 1853 there were entered, constrwise, of sniling vessels, inwards 598 , in all 5 , 785 tons; and outwards 216 , reckoning 9,961 tous The coloninl and foreign trade included an aggregate of 226 veasels and 14,037 tons inwards, and 65 ressels and 5787 tons outwands. There ire few manufactures ln Exeter; the inhahitants are chiefly cmployed in retail trado and in handierafts.

A considemble import and export commeree is conducted liere, the dniry, orcharcl, and farm preduce of the neighbouring districts supplying articles of exchange for commoditics of foreign production. There are markethouses in Fore-street and Queen-street ; the market days are Wednesday aud Friday; thero is a daily market for fish, fruit, \&c. Four fairs are held in the course of the year. A great horse-fair is held at Alphington, about a mile from Exeter.
The lree Grammar school was founded by the citizens in the reign of Charles I.; the nons of freemen are instructed gratuitously. There are eighteen exhibitions to the universitics of Oxford or Cambridge, six of which are of 40 l . each, the others much less. The school possesses an income frem endowment of 401. a year, and had 60 seholars in 1853. There aro soveral National, 13ritish, and Charity sehools. The Deron aud lixeter Hospital is supported by subscriptiou, aud has a cousidemble income arising from funded property. Thero are in the city a luuatic asylum, a dispensary, au eyo infirmary, an institution for tho deaf nud dumb, an institutiou for the blind, a mechauics institution, a savings bank, aud acveral almshouses
The diocese of Exeter is in the province of Canterbury; it extends orer the counties of Deronshire and Cornwall and the Scilly Islands, and comprises 429 benefices. it is divided into four arehdenconries, Bxeter, Larnstaple, Totnes, and CornwalL The chapter cousists of the dean, the archdeacons, six conons, a precentor, a chancellor, and seveutceu prebendaries. The income of the bishop is fixed at 2700 . a year.
(1saacke, Lxeter; Roulcbook of Deron; Mandbook of Deron; Land We Live $7 n$, vol. iii.)
EXETER. [New Hasisume.]
EXBOUTII, Devonshire, a markethtomn and watering.place in the parishes of Littlelann and Withycombe Rawleigh, is situated at the mouth of the river EEx, on its left bank, in $50^{\circ} 37^{\prime}$ N. lat., $3^{\circ} 25^{\circ}$ W. long. ; dintant 10 miles S.E. by S. from Exeter, aud 170 aniles S.W. by W. from Lonlon by road. The population of the town of lixmouth in 1551 was 6123 . The liviug in a curacy annexed to the vicarnge of Littliam, iu the archdeacoury and dioccose of Exoter.
Exinouth was a place of mone inplortance in the time of King John, when it was one of the chief ports ou the coast. In $131^{\circ}$ it contributed 10 shlp pand 193 seamen as its proportion of the flect whleh Edward 1II. sent to attack Calais. The origin of lixmouth as a watering-place dates from about the commencement of the 18 th centary, and till the rise of Torquay ft was the first on the Devoushire const lu point of lmportance as well an of time.

The old town of Dixmouth is built on the bnse, and the new town on the slope aud summit of a hill. On the beach is a good bathing
place, as well as baths. The town is well supplied with hotels, lodging-houses, puhlic walks, libraries, assembly and subscription rooms, \&c. The houscs and shops are well built, and there is a good market. The sea-wall, 1800 feet long, is of much service as a promeuade and drive. Exmouth contains a church, chapels for Independents and other Disseuters, and a National school. From Beacon Hill are obtained some fine inland aud seaward prospects. With Star Cross, on the opposite side of the Ex, where is the nearest railway station, there is communication by ferry.
(Borlase, Deconshire; Land We Live In, vol. iii.; Routebook of Devon; IIandbook of Deron and Cormwall.)
EYÁM. [DEREYSHIRE.]
EYE, Suffolk, a market-town and municipal and parliamentary, borough, in the parish of Eye, is situated in $52^{\circ} 19^{\prime} \mathrm{N}$. lat., $1^{\circ} 8^{\prime}$ E. loug. ; distant 20 miles N. from Ipswich, and 89 miles N.E. by N. from London. Mellis station of the Ipswich, Bury, and Norwich railway, which is 2 miles from Eye, is 91 miles distant from London. The population of the parish of Eye, with which the municipal horough is co-extensive, was 2587 in 1851; that of the parliamentary borough, which includes several adjacent parishes, was 7531. The borough is governed by 4 aldermen and 12 councillors, and returns ono member to the Imperial Parliament. The living is a vicarage in the archdeaconry of Suffolk and diocese of Norwich.

Eye is pleasantly situated on a small feeder of the Wareney. This rivulet was prohahly navigable at one time, and surrouuding the town is supposed to have given rise to the name, which signifies in Anglo-saxon an island. Roman coins have been fouud in the neighLourhond. The town was incorporated hy King John, and sent two members to Parliament from tho time of Elizabeth to the passing of
the Reform Act. There was formerly at Eye a castle and a small Benedictine priory. Of the monastic buildings there are some remains. The streets of the town are rather nurrow and irregulanly built. The puhlic huildings are a town-hall, a freemasons hall, au assembly room (formerly a theatre), aud a jail. The church is haudsome and spacious, with a fine embattled tower, and an elegant gothic porch. The Baptists and Wesleyan Methodists have places of worship. The Free Grammar school, founded in the 16 th century, has an endowment of 60l. per annum; the number of scholar's ou the foundatiou in 1853 was 30. There are also a Free school, almshouses, and a savings bank. Brewing, coach-making, and the manufacture of agricultural implements are carried on. The corn-market is held on Tuesday, and the general market for hutter and vegetables ou Saturday. There are two annual fairs.

EYEMOU'TH, [Berwickshire.]
EYGUIERES. [BoठवнEs-dU-RHône.]
EYLAU, or PREUSSISCH-EILAU, a town in Prussia, in tho government of Königsberg, is situated on the Pasmer, in $54^{\circ} 25^{\prime}$ N. lat., $20^{\circ} 35^{\prime}$ E. long., about 20 miles S . from the towu of Königs berg, and has an old castle, a church, and about 2500 inhabitants, who manufacture woollen cloths, hats, leather, \&c. The namo it bears has been given to it in order to distinguish it from Deutsch-Eilau, a town in the Prussian administrative circlo of Marienwerder. Eylau is noticed here merely because it gives name to the battlo fought there, Feb. 8, 1807, iu which the French under Napoleon I. defeated the allied armies of Russia and Prussia.

EYMET. [Dordoone.]
EYNESFORD. [KEvT.]
EYRE-COURT. [Galway.]

FPAE'NZA, the ancient Paventic, an episcopal town of the Papal States, in tho province of Ravenna, is situated in a well-cultivated plain watered by the Lamone, 20 miles S.W. from Ravenna, and has a population of about 20,000 . Tho Zanelli Canal runs from the Lamone at Faenza to the southernmost arm of the Po. Facnza is a well-built modern-looking town, surrounded hy walls, and further dcfended hy a citadcl. The strcets are regular; there are a fino markct-place surrounded by a reades, many palaces, churches rich in paintings, several convcnts, a fine bridge ou the Lamone, a theatre, and a lyccum. The town has also a school of paintings, a college, an hospital, and lunatic and orphnn asylums. Thero aro several manufactories of glazed and coloured earthenware, which is callcd 'majolica' in Italy, and 'faience' in France, where it was introduced from Faenza. There are also manufactories for spinning and weaving silk, some paper-mills, and a considerable trade by the Zanelli Canal.

Faveutia was anciently a town of the Boii, and afterwards a municipium under the Romans. It was near Favcutia that Sulla defeated the consul Carbo and drove him out of Italy. (Livy, 'Epitome,' 88.) The town was afterwards ruined by the Goths, and restored under the Exarchs ; but its walls were not raised until A.D. 1286. It was then for some timo subject to the Bologncse, but was afterwards ruled by tho house of Maufredi to the end of the 15 th century, when it was seized by Pope Alexander VI., and has since heen annexed to the States of the Church.
FAIOUM, a province of Egypt, to the west of the Lihyan-ridge, which bounds the Vallcy of the Nile on the west. Ahout 12 miles N.W. from Benisoucf there is a depression in the ridge six miles in length, which leads to the plain of the Faioum. This plain is of a circular form, about 40 miles from east to west, and about 30 miles from north to south. The northern and north-western part of it is occupied by the lako called Birket-el-Keroun. A range of naked rocks hounds the lake to the north, and joins towards the east the Libyan range, which skirts the Valley of the Nile. To the west and south the plain is hounded by lower hills which divide it from the Libyan Desert. It forms in fact a basin with only one opening or outlet on the enstern side towards the Nile. The Bahr- Yussouf, or Great Caunl, which runs parallel to the Nilo and skirts the Lihyan ridge, on arriving at the gap abovo mentioned, at a village called Howarah Illahoun, turns to the west, passing under a bridge of three arches, through which the water flows and forms a fall of about threo feet at low water. It then runs along the valley, and on reaching the entrance of the Faioum, at the village of Howarah-el-Soghair, a wide cut branches off from it to the right, running first north and theu northwest, and passiug by Tamich meets the north-east cxtremity of the lako. About two miles helow Howarah-el-Soghair another deep ravine opens to the south, and then turning south-west passes by Nezleh, and enters the south-west part of the lake. Between these two branches the cultivated part of the Faloum is contained. But theso two cuts have hecn long dyked across at their heginning, in order to economiso tho water of the Nile, which owing to the rising of the hel of tho Bahr-Yussouf flows less copiously than formerly. Only a small part of the water finds its way to tho lake hy the Tamieh and Nezleh cuts. Tho main stream continucs its courw yestward
towards the middle of the plain and the town of Medinet-cl-Faioum, the capital of the province. Here the water becomes distributed into a inultitude of small canals for irrigatiou, which spread in every direction through the ceutral part of the plain, and which are the causo of its extraordinary fertility, for the Bahr-Yussouf contains water all the year round. But that fertility exists only within tho rauge of tho canals. All the part west of Nezleh is arid and sandy, and only inhabited hy a few nomad Arabs, though it bears the traces of former cultivatiou. The strip of land which borders tho Lake Keroun is low and marshy, marking the original hasin of the lake, which is separated from the cultivated lands by a cousiderable riso all along. The lake is described under Birket-eL-Keroun. It is calculated that the land susceptible of cultivation in the Faioum is about 450 square miles, of which hardly one-half is now cultivated. T'he villages, which are said to have been at one time above 300, are now reduced to less than 70 . Still the cultirated part is superior in fertility to every other province of Egypt, from which it differs in tho greater variety of its products and the better appearance of its villages. In addition to corn, cotton, and the other cultivated plants, it produces an ahundance of apricots, figs, grapes, olives, and other fruit-trees, which thrive here hetter thau in the Valley of the Nilo. A vast quautity of roses also grow in the Faïoum, and this district is celebrated for the manufacture of rose-water, which is sold at Cairo and all over Egypt for the use of the wealthy.
The province is the ancient Arsinoite Nome. The remains of autiquities in the Faloum are few. Two pyramids of baked bricks about 70 feet high stand at the entrauce of the valley, one near Howarah llahoun, and the other near Howarah-el-Soghair. There is an obelisk of red granite 43 feet high, with a circular top, and sculptured with numerous hieroglyphics, near the village of Bijige, a few miles south of Medinct-el-Faioum. Near Medinet-el-Fnioum are also some remains of tho ancicnt Arsinoö or Crocodilopolis, consisting of fragments of granite columns and statues. At Kasr-Keroun, near the south-west extremity of the lake, is a temple 94 feet by 03 and about 40 feet high, which contains 14 chambers, and appears to be of the Roman period. On the north-west bank of the lake, at a place called Deuay, a raised pavement or dromos, about 1300 feet iu length, leads to a building, partly of stone and partly of hrick, 109 feet by 67 , divided into several apartments and surrounded by an outer wall of crudo hrick, 370 feet by 270 . This is supposed to bo the site of the ancient Dionysias. Further to the east, but ou tho same hauk of the lake, at a place called Kom.Waseem-el-Hogar, are tho ruins of Bacchis. Tho direction of the principal streets and the plans of many of the houses may be distinctly traced. The sito of the ancieut labyrinth has not yet boen aseertained. At Fedmin-el-Kunoils, or 'the place of churches' in Coptic, near the south-cast hank of the lake, are some remains of early Christian monuments.
Tho mountains along the north bank of the Lake Keroun, on which the rains fall aunually, are said to contain salt, and to this circumstance the saltness of the waters of the lake is attributed by some. [Bhiket-el-Keroun.]
South of tho Faioum thero is an opening through tho ridge of low hills leading iuto a smaller circular plain or hasin, with a small lako

Callel Birketel.Garmg, which lina one or two hamleta on its banka A suall atrom from the laheryiusouf runt into it. The road-track of the caravans to the smaller oanis pasesa through this place.
(Drecription de $\Gamma$ I:gyple; Belzoni ; Wilkinson, Topography of Tacbees; Handbool. of Eygpt.)
FAIRFORD. [Glotcestershine]
FAitil, ST., HORSllaM, Norfolk, a villago, and the seat of a Poor-Law Union, in the parinh of Horsham St. Faith, aud hundred of Taverham, is aituated $52^{\circ} 42^{\prime}$ N. Int., $1^{\circ} 11^{\prime} \mathrm{W}$. long., distant 4 miles N. from Normleh, and 112 miles N.E. by N. from Loudon. The population of the consolidated parish of Hordham St. Faith and Newten St. Faith $\ln 1851$ was 1211, inclusive of 123 inmates of the Union workhouse. The living is a perpetual curacy in the archdeaconry and liocwe of Norwieh. St. Faith l'oor-Law Union contains 30 parinhes, with an area of 47,851 acrea, and a populntion in 1851 of 11,591 .
FAKLENHAM. [Nobrole]
Falaisk [Calvados]
FALKiNGHAM. [Liscolssmre]
FALKIRK, Stirlingshire, Scotland, n market-town and parliamentary bargh, in the parish of Falkirk, is situated on rising ground, near the right bank of the river Forth, in $50^{\circ} 1^{\prime}$ N. lat,, $3^{\circ} 4^{\prime} W$. long., distant 12 miles S . by $\mathbf{E}$ from Stirling, 24 miles W . by N. from Edinburgh by road, and 25 k miles by the Edinburgh and Glasgow railway. The population of the burgh in 1851 was 8752 . It is governed by a provost and 11 councillors, three of whom are bailies; and jointly with Airdrie, 1 lamilton, Lanark, aud Linlithgow, returns one nember to the Inperial Parliament.
Falkirk is in a wealthy and populons district, in the midst of collieries and manufactories, and is the chief town in the enstern part of Stirlingshire. The town cousists chiefly of one street, called the High-street, which is upwards of half a mile long. The town-house is situated in the middle of this street. The parish church, a receutls erected building, has a fine steeple 130 feet in lieight. Besides the parish church, thero are chapels for Free Chureh and United Presbyteriane, Independents, and Roman Catholices. On each side of the 11 igh-atreet narrow streets of old houses branch off, one of which extends upwards of a mile towards Carron. passing through the villages of Bainsford and Grahamstown. Falkirk is lighted with gase

The iron-works at Carron, 2 miles N. from Falkirk, are the largest in Scotland. The Falkirk iron-works are also extensive, and besides thesc, there is a amall foundry on the bank of the Forth and Cyde Canal. There are manufactories of pyroligneous acid, of naphtha, and of potass and alum. Coal is extensively wrought in the neighbourhood. There are three tanneries. The ordinary market-days are Thursday and Saturday. The Falkirt 'trysts,' or cattle fairs, are hold three times a year, when black catte, priucipally for the English markets, sheep and horsea, are sold in very large mumbers. These have long been the largest cattle-markets iu Scotland. Two excellent school-houses and residences for teachers were erected a few years since. There are a savings bank, a mehool of arts, and a horticultural society.

Falkirk was formerly a burgh of barony, held of the family of Livlngstone till the attninder, in 1715, of the earl of Linlithgow and Callander, by whowe forfeiture his superiority vested in the crown. $A$ luat of the lloman wall, known by the name of 'Grahan's Dyke,' still exists in the neighbourhood.
(Aecc Statistical Account of Scolland; Communication from Falkirk.) FALKLAND ISLANDS, a colonial settlement belougiug to Great Britain, situated between $51^{\circ}$ and $53^{\circ}$ S. lat. $57^{\circ}$ and $62^{\circ} \mathrm{W}$. long., about 300 miles E. from the entrance to the Strait of Magalhacus. They form a group of islands in the Southern Atlantie, consisting of two prinelpal islands, Eant Falkland and West Falkland, with a conniderable number of amaller islands clustered around thens and in the atrait between them. Fast Falkland is about 90 miles long, and on arerage 40 miles wide ; Weat Falkland is about 80 miles loug, with a mean wilth of about 25 milen. They are separated from each other by Falkland Sound. The smallor islands, about 200 in number, vary considerablr, frou 10 miles in length and 8 miles in width, to mere inlets of half a mile in diametor. Fiast Falklaud is computed to contain 8000 aquaro uiles; West Falkland is eatimated at 2000 square milce. If the adjacent islanls are added, tho whole group may bo estimated to conthin about 6000 squaro miles.

Coasta.-The coast-line is rery irregular, and the whole group in deeply indented by sounds, tays, harbours, creeks, and linlets. On Wrat Falkland and sume small islands near it, there aro ligh grecipitous cliffa la a few placen exposed to the western sens; bit other places aro low, ospeclally the eouthern portions of Enst Falklaud.

Surface and Soil, - Very little is known of Went Falkland, and it in entirely uninhabled. It la sald to poscess a finer climato than I: inat Falkiand; and it has several excellent harbours. At certain reasons it in vinited by whalera and sealers (chicely Americans), and by vemels in queat of guano. Tho averago helglat of it appearn to be greater than that of Eunt Falklnnd, though the hitghest hills seem to be in the lnat-mentioned irlaud. A chain of hight hilln, called the Wickham Ileights, runn acrom Finot Falkland in a due enst and west firection from l'ort William to I'ort Sursex on Falkland Sonnd. Mount Usborne, near Port Susucx, is 2300 fcet above tho eea; the
other hills vary in hoight from 800 to 2000 feet. They consist chiefly of quartz rock, which is extromely rugged at the summits, whero it sonetimes ansumes the most wild and fantastic forms. The couvery north of the Wickham Ilcights has a hilly surface, and at several places these hills rine to some husdred feet above the general level. That portion of the inland which lies south of the Wiekham Hills may bo considerod as a lovel plain, geutly declining towards the southern shores. In some parts of the inland the bottoms of the valleys are covered by grent angular frnguentas of quartz rock. The blocks vary in size from that of a man's chest to ten or twenty times as lange. They do not occur in irregular masses, but are apread ont in level shects or great streams Thesc streams of stones vary from 100 feet to a mile in width.
A riew of the country from one of the heights is extremely dismal. Moorland and black bog extend as far as cye can disceru, iutereected hy numerous streams and pools of yellowish-brown water. The soil is generally peat, from 1 foot to 10 feet in depth, and below it is a stiff clay. In some parts however there are considerable tracts of dry gravelly land, without peat. The peaty land produces the heaviest growth of grass, hut the cattle scem to prefer fceding on tho shorter grass of the gravelly soils.
In all cases where the peaty soil has becomo mingled with tho subsoil, as in the bottoms of many of the valle ys, by the sides of the streams, and almost always at the mouths of the streans, the soil is of the richest quality, and the grasses are remarkably thick and verdant. This kund of soil abounds south of the Wiekham Heights,
Rivers and Lakes.-There are few rivers. The San Carlos is the largest. It winds very mueh, and is only about 30 miles in length, and navigable for boats about 8 miles from its mouth. There aro however numerous spriags and rivulets, and also many fresh-water lakes or ponds, varying in size from 30 yards to 3 or 4 miles is circumference.
Climate-The climato resembles that of England, but is moro equable; the summers are not so hot and the winterd not so cold. The mean temperature of the year is about $47^{\circ}$ Fahr. The summer temperature ranges between $45^{\circ}$ and $70^{\circ}$ Fabr.; the winter between $30^{\circ}$ and $50^{\circ}$ Fahr. The ice in winter seldom crceeds half an inch in thickness, and the snow is rarely more than ankle dcep, and remains a very short time apon the lower lands. Occasionally snow-storms of great severity are experienced, in which many cattle are destruyed. Light passing showere are frequent, but a day of constant rain scldom occurs. The prevalent direction of the wind is wost, shifting between north-west and south-west. Lasterly wiuds are very rare. Northerly winds aro more frequent, and they bring gloomy damp weather. The westerly winds commonly comunence at niuc o'cloek, blow with a force frequently bordering on a gale through the day, and die away about four or five o'clock in the afternoom. The nights are generally calm, and the contrast of the bright and still morniuge and calus evenings with the stormy mid-day is very striking.

Productions.-There are no trees in these islands; but thero are three or four different kinds of bushes. The grasses, which at present are the most important production, are generally long and coarse, but they possess very nourishing qualities. Ove of then, called Tussac, has especially attracted the attention of naturalists and graziers. It is a gigantie sedgy grass of the genus Carex, and covers the great mosscs. It is bccoming scarce, in consequenee of the great numbers of cattle which have fed upon it. Anotber grass of very nutritious quality, the $\Delta$ rundo alopiccurus, is distributed over the country, and the wild cattle freely uso it. Turnips and the common vegetables grown in lingland grow exceediugly well in sheltered situations. In 1850 there were 10 acres of ground laid out in garden eultivation; in 1851 there were 18 ncress so laid out. Barluy and oats have been cultirated successfully. The soil is not favournble to the production of wheat.
Thero aro few indigenous animals. The only quadruper is the warrah, or wolffox, a peculiar species confived to this archipelngo. It is about the size of an English hound, but slcnder, with loug legs. The other animals which are found in a wild state have been brought there with the intention of being left, or remnined when the liuropeau settlements were bruken up. The most importaut are the wild cattle, the uumber of which in East Falkland is estimated at froin 35,000 to 40,000. A zunall breed of wild hozes is found on East Falkland, north of Wickhann Ileights. Mr. Lafone landed a large number of tane horses from l'atagouin. Soluc were subsequently inported froua 1 Rio Negro; thesc aro arrviceable, sure-footed beasts, said to be worth from 8i. to 12l. each. Sheep thinive, but the quantity of pasture suitable for thom is not large, and their number does not exceed 3000. Within the last two or thrce yeara a considerable extent of land has becu iuclosed for the grazing aud dowesticntion of sleep and cattle. Wild hoga abound on onc of the islands. Rabbits are found in large numbers on the island generally. The peat, which occurs almost everywhere in the low grounds, affords excellent fuel. Hairseals and fur-seals were formerly abundant about these islauds, but they have decreased in number. Black whales are numerons in the sea west of West Falk laud, where many Amerienn and Fronch vessels are emplogel iu taking them. The supply of finh is abuudaut, and there are plenty of swans, geene, dueks, and other wild fowl.

Commerce. -Tho commerce is small. The imports consist of timber,
lime, bricks, flour, sugar, coffee, and British manufactured goods; the exports consist of hides, tallow, salted heef, seal-skins, and a few harrels of fish-oil. Governor Rennie estimated the total imports in 1851 at $17,000 l$., and the total exports at $8000 l$. The fisheries have been of late attracting the attention of the colonists. Guano is expected to form a small artiele of export. It is obtained in considerable quantities on West Falkland Island.

Government.-The chief objects of the British goverament in maintaining an estahlishment on the Falkland Islands are the advantages which they offer in affording water, fresh meat, and refreshment to the crews of vessels passing and repassing them in their voyages round Cape Horn; but though the number of vessels passing aunually is ahout 1000 , and there are no harbour-dues or any other similar charges, yet in 1849 only 12, and in 1850 only 23 English merchant vessels availed themselves of the opportunity. The number appears however to be on the increase. The aggregate tonnage of vessels resorting to the settlement in 1849 was 9200 ; in 1850 it was 13,672 ; it 1851 it was 17,533 ; in 1852 it amounted to 22,024 tons. Vessels frequently eall for repairs and refitting. The government establishment consists of a governor, two clerks, a surveyor, surgeon, harbour-master, stipendiary magistrate, and chaplain. The entire annual expense of the establishment is about 1775 . The total expenditure, ineluding luildings, \&c., has hitherto been about 8000 l . ; the sum voted hy the House of Commons for the year 1851.2 was $5000 l$. The fixed revenue of the settlement, whieh was $184 l .10 \mathrm{~s}$. in 1849 , had inereased to 442l. I 4s. $2 d$. in 1850 , and has probably increased in amount since that time.

Misory and Settement. - With respeet to the discovery of the Falkland Iulands, all that is known with certainty is that they were scen in 1592 hy Dr. John Davis, who aecompanied Cavendish in his second voysge; and Hawkins, who sailed along them in 1594, called them Hawkins's Maiden Land. In 1690 Strong sailed through the channel which separates Fast and West Fslkland, and called it Falkland Sound, whenee the islands were afterwards named the Falkland Islands. Several vessels from St. Maln passed near the islands betreen 1706 and 1714, and from these they were named by the French Les Iles Malouines. In 1764 the French established a colony on one of the larbours of Berkeley Sound on East Falkland, and called it St.-Louis; aud two years later the British formed a settlement on West Falkland, on the inlet called Port Egmont. Soon afterwards the French, in 1767, cedid their settlement to the Spaniards, who in 1770 attacked the Euglislı colony and took it. After some negotiations Port Egmont was restored to the English. The British afterwards abandoned the colony, hut did not give up the rights of possession. The Spaniards also withdrow their garrison from Port Louis.

In the heginning of the present century the whale fishery in the Southern Atlantic began to be prosecuted on an extensive scale hy somo European nations and the North Americans. Many of the whaling vessels visited the Falklaud Islands, especially to kill wild cattle and refresh their erews. It was also discovered that the islands were visited hy a great number of seals, and these animals attracted unmerous other adveuturers. Thus Berkeley Sound was seldom without the presence of some visitors. This induced the govermment of the newly-established republie of Buenos Ayres to take possession of East Falkland in 1820, and in 1823 they formed a settlement at Port Louis. England protested against these proceedings in 1829, and in 1833 the colony was given up to the English. For some years only a lieutenant of the navy with a boat's crew resided at Port Louis, but the British government resolved in 1840 to colonise the islands, and to send there a governor and a small establishment. They settled at Port Louis; but on examining the country in its vicinity, it was found that Port William, south of Berkeley Sound, offered grenter advantages as a naval station and port of refuge, and in 1844 Governor Moody laid out a town on the southern shores of Stanley Harhour, a land-locked inlet, sheltered from every wind. The population of the colony in March 1847 was 270, ineluding 106 in the employment of Mr. Lafone, a wealthy merchant of Moute Video, to whom the British government, in consideration of a payment of $60,000 \mathrm{l}$. hy instalmenta, granted an extensive tract of land and the possession of all the wild cattle and other wild stock for six years, dating from January 1st, 1848. Mr. Lafone's interests wero recently purchased by a joint-stock company, possessed of a large eapital. Tho company has obtainerl extensive privileges from governmeut in respect of property in land and eattle, and is earrying out its operations on a comprehensive plan. From a despateh of Governor Renuie, dated January 8th, 1853, it appears that the general trade of the eolony was then in a healthy state, and that its prospects were favourable. Unskilled labourers were receiving from 3s. to 58. a day, and skilled labourers $6 s$. to 108 . A few garden allotments of one acre each, which had been put up for sale, realised 12l. an acre, being six times the nsual government price, and double the amount realised in 1849. Seremal enrolled peusioners who bad been settled in the colony had manifested sorne dissatisfaction with the manner in which they had been treated, but the secretary-at-war having intimated to them that they were at liberty to return to England if they preferred doing so, none of them had accepted the permission. The opening of the ship canal connceting the Atlantio and Pacific oceans, if accomplished, would of course do away with the necessity for vessels calling at the GEOG. DIV. VOTH II.

Fslkland Islands for refit or refreshment : and this being their chief use, the settlement might prohably be abandoned.
(Weddell, Voyage towords the South Pole; Fitz-Roy and Darwin, Narrative of the Surveying Voyages of the Adventure and Beagle; Parliamentary Papers.)

FALMOUTH, Cornwall, a municipal and parliamentary borough and market-town, and the seat of a Poor-Law Union, is situated at the mouth of the river Fal, in $50^{\circ} 9^{\prime} \mathrm{N}$, lat., $5^{\circ} 3^{\prime}$ W. long. ; distant 30 miles S.W. by S. from Bodmin, and 269 miles W.S.W. from Londou. The population of the municipal borough in 1851 was 4953. The borough is governed by 4 aldermen and 12 councillors, of whom one is mayor; and conjointly with Penryn returus two members to the Imperial Parliament. The population of the parliamentary borough of Penryn and Falmonth was 13,656 in 1851. The living is a reetory iu the archdeacoury of Cornwall and diocese of Exeter. Falmouth Poor-Law Union contains 10 parishes and townships, with an area of 25,850 acres, and a population in 1851 of 21,049 .

The port of Falmonth is first spoken of in the reign of Henry IV., when the duchess dowager of Bretagne landed here, in progress to celebrate her nuptials with that king. Until 1613 the site of the present town was occnpied merely by the huts of fishermen. Shortly after this period Sir John Killegrew, having oltained permission from James I., constructed a new quay and laid the foundation of the present town. The subsequent establishment, about 1688 , of the post-office packets to the West Indies, Lishon, \&c., contributed much to the prosperity of the place.

The town consists chicfly of one narrow street, which extends along the south-western shore of the harbour for about a mile. The public huildings are the town-hall, the market-house, the jail, the Public Rooms, a liandsome building situated in the centre of the town, and the Polytechnic hall. In the Polytechnic hall sre held the ineetings of the Royal Coruwall Polytechnie Society. This soeiety, whieh was fonuded in 1833, on a plau somewhst similar to that of the Society of Arts, London, has been very suecessful; the society puhlishes its transactions. Falmouth is a neat and tolerably well-huilt town. It is lighted with gas, and is abundantly supplied with water. The suhurhs are adorned with terraces aud villas, which, with the harbour, when seen from the surrounding hills, present a very beautiful appearance. The parish chureh, dedieated to Charles the Martyr, was built iu the time of Charles II. The Baptists, Wesleyan Methodists, Quakers, Roman Catholics, Jews, and Unitarians have places of worship in Falmouth. Thereare National, British, and Infant sehools; a public library; two eliureh lihraries; an athenæum and mechanics institute; a savings bank, a dispensary, and coal and elothing societies. A county court is held in Falmouth. The market-days are Tuesday, Thursday, and Saturday; fairs are held on August 7 th aud October 10th.
The quay is convenient, and there is sufficient depth of water to allow vessels of considerahle burdeu to discharge their eargoes on the wharf. The harbour is extensive, conveniently situated, and well protected. It is defended on the west by Pendennis Castle, and on the east by St. Mawes Castle. These eastles were built by Henry VIII., and subsequently improved and strengthened by Queen Elizabcth. Pendennis long resisted the attacks of Oliver Cromwell, whose lines of encampment may yet he seen. It now contains commodious barracks, storehouses, and magazines. A lighthouse has been ereeted at St. Anthony's Point, at the east side of the harbour. The Trinity Board lave erected an ohelisk on the height of the Blaek Rock, hetween Pendennis and St. Mawes, for the assistance of mariners in making Falmouth harhour. There is an extensive fishery of pilchards on the eoast.

The number of vessels registered as belonging to the port of Falmouth on December 31st, 1853, was as follows:-Under 50 tons, 50, tounage 1393 ; ahove 50 tons, 73 , tonnage 7364 ; one steam vessel, 14 tons. The numher of vessels entered and cleared at the port during 1853 was as follows :-Coasting trade, inwards, sailiug vessels, 710 , tornage 40,271 ; steam vessels, 141 , tonnage 29,447 ; outwards, sailing vessels, 215 , tonnage 9195 ; steam vessels, 75 , tonnage 7151 . Colonial and foreign trade: sailing vessels, inwards, 161 , tounage 13,379: outward8, 147, tonnage 17,934. The exports from Falmouth consist chiefly of the produce of the tin and copper mines: there is a considerable trade with the island of Jersey iu fruit and cider.
Borlase, in his 'Antiquities of the County of Cornwall,' meutions the finding of a large quantity of Roman coins on a branch of Falmouth harhour, nearly the whole of which were of the coinage of tho emperors Gallienus, Carinus, and Numerian, who reigned A.D. 259-284. At the western extremity of the town stands Arwiunick House, the ancient seat of the Killegrew family.
(Borlase, Antiquities of Cornwall: Carew, Survey of Cornwall; Handbook of Cormwall and Devon; Parliamentary Papers; Communication from Falmouth.)

FALMOUTH. [Antigua; Jamatca.]
FALSTER, a Danish island iu the Baltie, due south of Seeland, and east of Laaland, between $54^{\circ} 30^{\prime}$ and $54^{\circ} 58^{\prime} \mathrm{N}$. lat., $11^{\circ} 45^{\prime}$ and $12^{\circ} 11^{\prime} \mathrm{E}$ long. The strait ealled the Gaahensesund separates it from Seeland, and the Giddborgsund from Lasland; on the north-east the Gröusuud divides it from the Island of Moen. Its greatest length from north to south is about 25 miles, from east to west about

16 milos at its wideat part. The area ia about $17 \%$ square milea, and the population in 1530 was 23,240 . The aurface is Dat but It liea higher than laname, has bether water, nud a healthier atmouphere, and is accounted one of the beot cultivated and most proaluctire parts of the Danish dosuinions in the sonth the island Lerninates in two long narrow tongues of land, fommed ly an arin of the sea called the Korat. The weatern tangue of land han a lighthouse upon it, beyoud which a reef of rocks extenda far into tho sea. The corn proluce is more than adequato to the consumptlon, so that betweens 30,000 to 35,000 quarters are aunually exported. Flax and hemp, hops, protatoon, aud other vegetablea aro grown. Large quantities of fruit are raised, and apples in particular aro considerahle article of exportation. The woovllande occupy about one-sixth of the whole murface. Ilomerlecattio and sheey are lirel, and the foresta aforl food for a grent unmber of awine. Much wax aud honey are obtained; poultry and geeso aro ahuntant. There nre no rivers but the Aar, an incousiderable stream, and the short river through which the Maribueraer, alarge inke, has an outlet into the sea. There are no manufactories on the island; hut the peoplo make their own elothing, stockinga, and spirite. Tho prixcipal inports are colonial prorluce, malt, and tobacco ; and the exports are grain, salt meat, buttcr, fruit, lire cattle, rotatoes, dc. Thero is some ship-building.

Falater is divided into two districts, the North and Sonth Hardes. Syliocling, the chief town, is situated on the western side of the islaud upon the Gidalborgeund; it is a pleasant well-built place, has mome traces of former fortifications, contains a cathedral and chureh, meveral schools, town-hall, au hospital, and a population of about 1600. There ls an ancient castle, iu which sevcral dowager queens of Ilemmark have resided, called Norre Ladegand. The town has a good corn trade. Stublelioling, the other town, is an inconsiderable place on the Gromsund iu the worth-east, opposite the island of Baagoe; it is surrounded by walls, and has eight streets, a church, a school, - poor-houne, and about 1000 inhahitants

The islands of Falster and Laaland with the islets of Famb and Fayo, to the north of the Intter, and some other swall islets round the coaste, form a stift or prevince of Deumark called Falster-Laaland, which lias an area of 689 square miles with a total populatiou (in 1850) of 79,017.

FALUN, or FiHLUN, a town in Sweden, the capital of Dalecarlin, which now constitutes the Fainn Linn, is situated ucar the west shore of Lake liunn, in about $00^{\circ} 35^{\prime} \mathrm{N}$. Ist., $15^{\circ} 35^{\prime} \mathrm{F}$ long., and has a population of 1500 . The town is built chiefly of timber, and coutains miulng mehool, geological and minernlogical collections, $n$ model room, and a technical library; it is celebrated for its great copper-mine, which is situated to the west of the town. Unlike all other mines, the Falun inine presents a large pit, about 1200 feet long and as many wide, into which people descend by a staircase to a depth of eeveral liundred feet; the ore was formerly detached hy the miners from the bottom of this hole, so that they were not obliged to nse candle-light, but the nine is uow worked by numerous shåa and gallerics, and with admirable machinery. Gustarus Vasa workel in the copper-mines of Falun. The vapours which continually rive from the mine, or to speak more correctly, from the smeltingworks about it, have destroyed every traco of vegetation in the neighbourhood, and even wild animals and birds are rarely seeu. To the fumes of the copper, it is said, the town owes its exemption from the visitation of cholera. Besides copper this mine yields some gold, silver, leal, vitriol, ochre, and brimstoue. There are a few manufactures of linen, cotton, and wool, but all on a small scale.

The folua Join coincldes nearly with the old popular division of Dalecarlia or Dalarne, so-called from its comprising the basins of the Dal and ita principal hedd-streams the Oster and Wrister Dal, which unite a little west of the town of Falun and routh of Lake Siljar. It comprises part of the southern mouutain region of Sweden and $n$ part of tho region of miucs. its aren is 12,210 square miles, and ite gopulation in 1845 was 145,338 . The surface and products are noticed in the articles Dalecablia and Sweden.

## FAMAGOSTA. [Cerres.]

FASO. [JOTLAND.]
FANO, aea-port and cpincopal town of the States of the Church In the legation of Urbino-e-Peraro, is situated in $43^{\circ} 61^{\prime} 16^{\circ} \mathrm{N} .1 \mathrm{lat}$, $18^{\circ} 1^{\prime} 19^{\circ}$ E. long., on the mhore of the Adrintic, at a short diatanco frotn the mouth of the Metauro, and has about 10,000 iulinbitants. The town which stauds in a rich, fertile, sad snlubrions plain, is well-bullt and adomed wlth many handsome edifices. There is no town of the same size on the cast coant of italy so rieh in cluurches and pletures. The econery of the neighbourhood is very beantiful, and numerous goorl roads facilitato comrounlcation with tho other towns in this part of italy. The high road nloug the Adriatic shore runs outaide the walls wibich still gird the town, snd are strengthened towarde the ecm by lestions.

Fano occoples the sito of tho ancient Forum Forlunc, so called from the Temple of Fortune bullt here by the Jomanm to commenornte tho defont of Ashruhal on tho Motaurus. Narses here defeated the Goths. Totiln dewtroyed Fantim, whlch was rebuilt hy Lelinarium $A$ nodern statue of Furtune which probsbly replacen an ancienf one, is erected on the princtpal fountain. Under the llomana tho city wine embellthed with Laths and a baslica A trimmphal arch of white marble was
erected In honour of Augumtuy, whleh otill remains, with part of the addition of an attio with columes built upon it hy Constantioc. Un an eljuining chapel is $n$ carvel reprosentatlon of the arch is it origimally wtood. Tho walls were erectod by Augustus, aud repnired hy the sonn of Constantize.
liano has a catheiral and thliteen other large churchea, most of which, besides being five buildinga, are rich in nuarhles and frescoes, and contaiu nevernl mnstarpioces of tho great Italinn painters. In the cathodral are, monggot other treasuren of art, eisteen frescous hy Homenichino, reproseating the principal eventa in the lifo of the Hessed Virgin. In the church of Sunta Maria Nuova aro the Aunun. ciation, and the Malonma with the Infant Saviour of Perngino. In tho church of San l'aterniano, named after the first hishop of Fano, Who was elected A.D. S00, is the Sposalizio, or Espoumals of the Virgin by Guercino. The church of San l'ietro is enriehed ly a pleture of the Anaunciation-which is considercd to be the masterpieco of Guido-and by the frescoes of Vivinni. The Guardian Angel of Guercino is preserved in the clanreh of Sant Agoatino, and in the Folfi College is tho eelebrated picture of David with Goliath's Heal, by Domenichino. Many of these churches are rich also in specimens of monumental architecture.

Fano contains also several religious houses, a public library, a college, several schools, and one of the finest theatres in Italy, which was built hy Torelli, a uative artist, and ormamanted with paintings and scenery by Bihioua. The port of Fano, formerly the remort of the traders of the Adriatic, was repaired by Popo l'aul V., from whom it was called Port Borghesc. It is now nearly ehoked up with sand, aud the commerce of the town has declined; only emall coasting.vessels can enter, which are engaged in the corn trale Tho town lins sone inportant silk manufactures. Pope Clement VlIL. was a natire of Fauo. The first printing-press knowu in Eurupo with Arahio types was established here by lope Julius 1I. in 1614.

FANTEES, or FANTINS, n nation inhabiting a part of the Gold Const in Western Africa. Since the commencement of the present century the country of the Fantees has been overrun by the Ashantees, and its recent history will be found in the article on that people. [Ashastev.]

FAlRALIONI 1SLANDS. [FTNA.]
FAREHAN, Hampshire, a market-town, and the seat of a PoorLaw Union in the parish of Fareham, is situated at the head of tho nortli-west hranch of Portsmouth harhour, in $50^{\circ} 50^{\prime} \mathrm{N} . \operatorname{lat}, 1^{\circ} 10^{\prime}$ W. loug. ; distant 12 miles S.E. from Southampton, 73 miles S. W. hy S. from Lond on hy road, and 85 iniles by the South-Western railway. The population of tho town in 1851 was 3451 . The parish is under the management of a Local Board of Mealth. The living is a vicarage in the archdeaconry and diocese of Winchester. Furcham loorLaw Union contains nine parishes, with an aroa of 81,391 ncres, and a population in 1851 of 13,925 .

Farehan is situated at the intersection of the road from London to Cosport with that from Chichester to Southampton. A bridge at the town crosses the head of Portsmouth harbour, which is here narrowed to the dimensions of a small river. The prospcrity of Fareham is chiefly dependent upon its proximity to Portsmouth. The town is lighted with gas, and is well suppliad with water. Tho ehief buildings are a handsome asscinhly-room, and a market-hall. The parish church is of various dates and styles; the chancel, which is early Euglish, was rebuilt about 40 years ago. Tho ludependents and Wesleyan Methodists have places of worship, and there are a Free school, National, British, and Infant schools, a literary institute, a sarings hank, and a lunatic asylum. Coach-huilding nad shipbuilding are carried ou; cordage, sacking, and coarse pottery aro made. Vessels of 300 tons can get up to the prort. The trade is chiefly in corn, conl, and timber. The market is held on Monday, and there is a yearly fair for cattle and cheesc ont June 29th and 30th. lareham ls much resorted to in summer for sea-bathing.
(Warner, Hampshire : Communication from Farcham.)
FARINGDON, or PAllilINGDON, Berkshire, a market-town and the ment of a Poor-Law Union, in the parish of Great Faringdon, is situnted $\operatorname{In} 81^{\circ} 40^{\prime} \mathrm{N} . \operatorname{lat}, 1^{\circ} 83^{\prime} \mathrm{W} . \operatorname{long.} ;$ distaut 86 miles N.W. by W. from leading, and 691 miles W. by N. from Iondon. The population of the parish of Great Faringdon iu 1851 was 2456. The liviug is a vicarage in tho archdeacoury of Berke and diocese of Oxford. Faringdon loor-Law Uniou contains 31 praishes and townships, with an aren of 65,880 acres, and a population in 1851 of 15,105 .

The Saxon kings had a palace at laringdon, whercin Edward the Nider died in 925 . In 1202 Stephen foundad at Fariuglon a priory of Cistercian monks. During tho civil war Crompoll made an attack upon the town, which was succesafilly resisted. King Charles was at Faringion nfter the sccond battle of Nawhury. The town of Faring: don is pleasumtly situnted; it is lighted with gas, and is neat and clenn. The etrects divergo from the centro of the town, where is situated tho town hall. T'he parish church is a large and handsomo gothic structure, with a low squaro tower. The ludepentents, Baptints, and Wesleyas Methodint havo chapels. There aro Natiomal and charity nchools, and a aavlngs hank. Tho market-lay in Thumday. There are three anuual fairs besides a statute fair on the 18 Sth October for hiring mervanta $\Lambda$ grent cattle market is held on the first Tuesday
of each month, and an annual horse fair on the 13 th of February. Petty sessions and a county court are held in the town.

FARNBOROUGH, Hampshire, a village and the seat of a Gilbert Poor-Law Incorporation, in the parish of Farnborongh, is situated in $51^{\circ} 17^{\prime}$ N. lat., $0^{\circ}{44^{\prime}}^{\prime} \mathrm{W}$. long.; distant 40 miles N.E. by N. from Southampton, 32 miles S.W. from London by road, and 33 miles by the Sonth-Western railway. The population of the parish in 1851 was 477 , inclusive of 46 inmates of the workhouse. The living is a rectory in the archdeaconry and diocese of Winchester. Farnborough Gilbert Incorporation contains four parishes, with an area of 12,222 acres, and a population in 1851 of 2336 . Farnborough is a small agricultural village, close to the Surrey border. It has stations of the South-Western and the Reading, Guildford and Reigate railways. The parish church is an ancient structure in the decorated style: the doorways north and south are Norman. Schools in the village are supported by two of the neighbouring proprietons.
(Warner, Ilampshire ; Communication from Farnborough.)
FarNBOROUGH. [Kent.]
FARNE ISLAND. [Norracmberland.]
FARNHAM, Surrey, a market-town and the seat of a Poor-Law Union, in the parish of Farnham, is situated near the right bank of the river Wey, in $51^{\circ} 13^{\prime} \mathrm{N} .1$ lat., $0^{\circ} 48^{\prime} \mathrm{W}$. long. ; distant 10 miles. W. by S. from Guildford, 38 miles $S$.W. by W. from London by road, and $41 \frac{1}{\&}$ miles by the South. Western railway. Tho population of the town of Farnham in 1851 was 3515 . The living is a vicarage in the archdeaconry of Surrey and diocese of Winchester. Farnham PoorLaw Cuion contains five parishes and one chapelry with an area of 29,824 acres, and a population in 1851 of 11,804.

Faruham was a placo of some importance at a very early period, and at one time returned members to Parliament. The manor of Farmham was giveu by Ethalbald, king of the West Saxons, to the sce of Winchester, to which it has ever since belonged. On the north side of the principal street, and on the summit of a hill, formerly stood a castle, built by IIenry de Blois, brother of King Stephen, and bishop of Winchester. After the Restoration Dr. Morley, bishop of Wiuchester, expended a considerable sum in erecting the present castle, which is of brick, covered with stncco, embattled, and of a quadrangular form. Adjoining the castle is an extensive park, through which the river Loddon flows. On the borders of the park is Waverley Abbey, a neat modern mansion, which derives its name from a monastery of Cistercian monks, the ruins of which aro in the vicinity.
Farnham consista chiefly of one strcet, running east and west. It is lighted with gas. The parish church was formerly a chapel of eass to Waverley Abbey. Some portions of the building are of the 12 th century; other portions are of the 15 th and 16 th centuries. Tho Indopendents have a chapel, and there are National and Infant schools, and a savings bank. The Gramniar school, founded about 1611, had fallen into decay, but was recently revived as a Commercial school. The income from endowment in 1837 was $22 l$. a year. The uumber of scholars in 1853 was 25 . A county court is held in the town. Farcham is noted for its hop plantatious. The great mart for the Farnhan hops is Weyhill fair. The market-day is Thuraday. Three fairs in the year, for horses, cattle, sheep, and hogs, are held.
(Stevenson, Survey of Surrey; Manning and Bray, IIistory of Surrey; Brayley, Surrey; Communication from I'amham.)
FARNINGHAM. [KENS.]
FARNWORTH. [LaNCASmiRE]
FAIRO in Italian and Spauish, pharus in Latin, phare in French, is the name given to lighthouses in the Mediterranean. The first lighthonse is said to have been that raised by Sostratus of Cnidus B.C. 283, on the island of Plaros at the entrance of the new harbour of Alexandreia. [Alexandreia.] The name pharos became afterwards an appellative for lighthouses, and in some instances it has been given to the towns near which a lighthouse was built. Such, for instance, is the town of Faro in Algarve. Torre di Faro, a lighthouse on Cape Pelorus, in Sicily, has given its name to the Strait of Messina at the cntrance of which it is placed, between Calabria and Sicily, and which the Italians call Faro di Messina. The Kingdom of the Two Sicilies is divided, with regard to its administration, into Dominj di qua del Faro, or 'dominions on this side of the Faro' (speaking as from Naples) meaning the continental part, and Dominj di la del Faro, or 'dominions on the further side of the Faro,' that is to say, the island of Sicily.

## FARO. [Algarve.]

FAROE, FEROE, or FAROERNE ISLANDS, a group of islands twenty-two in number, seventeen of which are inhabited ; they are about 300 miles W. of the coast of Norwas, and about 200 miles N.W. of the Shetland Isles, between $61^{\circ}$ and $63^{\circ} \mathrm{N}$. lat., and $8^{\circ}$ and $6^{\circ} \mathrm{W}$. long. They were discovered between the years 858 and 868 by nome Norwegians, in the time of Harold Harfager, king of Norway, and at present belong to Denmark. Their whole area is estimated at about 495 equare milen. The popnlation in 1850 was 8150 .

These islands mostly consist of steep rocks, some of them rising gradunlly from the sca, by two or more sloping terraces, covered with a thin etratum of earth, which produces grass. Close to the sea the land consista in gencral of perpendicular clitts, from 1200 to 1800 feet in height. The most westerly island is Myggenaes, the most southerly
is Suderoe, the most easterly are Svinoe and Fugloe, and the most northerly are Kalsoe and Videroo. The interior is composed of hills, usually separated only by narrow ravines, in which there are brooks or rivulets which are in general so swollen in the rainy season as to become impassable: there are no valleys of any extent. The greatest elevations in these islands are the basalt mountain Skaellingfield, 2430 feet high, in the south part of the largest of them, Stromoe, which is nearly the central island of the group, and divided by narrow straits from Vaagoo and Osteroe; and the Skattaretinel iu Osteroe, which is said to attain an elevatiou of 2864 feet. There are several lakes, among which the largest arc the Soorvagsvatn in Vargoe, which is three miles long, sud the Sandsvatn in Sandoe: and there are some falls of water, the most considerable of which is the Fosar in Stromoe, which has a double fall, nearly 200 feet in height. Amoug the mineral springs the most esteemed is that of Varmakielde in Osteroe. The chmate is bleak, and the summer lasts only through the months of July and August: yet it seldom freezes more than one month in the Jear, nor are the harbours ice-locked cxcept in very severe winters. Violent storms prevail at all seasons, which prevent the growth of any large trees, and compel the inhabitants to fix their dwellings between the hills. The soil is stony, and in many parts covered with earth only four inches cleep. In some islands there are majestic groups of basalt formation, similar to the caves of Staffa. Neither the soil nor climate admits of any extended tillage; and the sudden variations in the temperature induce the cultivator frequently to gather in his crops in a half.ripe state, and dry them by artificial heat. They consist principally of barley and rye, the growth of which is scarcely adequate to the consumption; potatoes, parsnips, turnips, and carrots are also raised; but it is extremely difficult to raise any other vegetable. Landt states the proportion of the cultivated to the uncultivated land to be about 1 to 60 , aud that the corn-fields are not more than from 8 to 12 feet in breadth. The pasture-lands are luxuriant, and the chief wealth of the islanders consists in their flocks, often containing from 300 to 500 sheep, whicll graze in the open air the whole year round, and yield wool of good quality. Horses of small staturc, but strong, swift, and sure-footed, are bred in considerable numbers: the horned cattle are also diminutive, yet become exceedingly fat. Few swine are fed. Seal-catchiug, and the whale, cod, herring, and other fisheries aro another main resource of the people. Independently of domestic animals, the islands contain only rats and wice. Thero is an immense number of wild-fowl, such as eider-ducks, swans, geese, pigeons, solangeose, puffins, cormorants, plovers, \&c. Tho feathers of the wild-fowl aro among the articles exported.
There is no timber on the islands. Turf is used for fuol. Beds of coal were discovered in the islaud of Suderoe in 1700 , and some mines have been opened from time to time; but the coal is of inferior quality. Copper is found in the island of Nolsoe. Jasper and opal arc met with here and there.

The inhabitants are of Norman (or Norwegian) descent, and speak the Norwegian language with a Danish accent. Their food consists of inilk, fish, mutton, poultry, wild-fowl, and barley groats; bread and salt are considered luxuries. Their clothing is of coarse woollen, woven by their own hands. They are either hereditary proprietors of tho soil which they cultivate, or farm lands under grant from the crown, from which circumstances they have the respective appellations of Odclsbonde or Kongsbonde. Thoy profess the Lutheran faith. The amtmann, or bailiff, is at the hcad of civil affairs: in judicial matters the landvoigt, or judge, is assisted by sidesmen from each parish.
Ship-building is carried on with success. Woollen-yarus, cloths, and stockings are manufactured; aud there are a few tannerics. The exports consist of hose and trowserings, fish, feathers, skins and hides, butter, tallow, train-oil, \&c. : the imports, of graiu, bread, malt, braudy, salt, hemp, iron, timber and deals, linen, \&c.

The larger islauds are Stromoe, 27 miles long and abont 7 miles in breaith, population about 2000 : its capital Thorshavu, on the south-east side of the island, is the seat of government, and has a neat wooden church, a Latin school, a fort, and about 750 iohabitants. The streets are exceedingly narrow. Ostoroe, to the enst of Stromoe; is in length about 20 miles, and in its greatest breadth about 10 miles: population, 1700. 1t has two fresh-water lakes, and several deep fjords, or inlets of the sea, on the eastern side. A curious basaltic hill ahout 420 fcet high, cousists of pentagonal and octagonal columns, on a foundation of trap 300 feet in height. At the north-north-west point of the island there are two rocks, with tho appearance of colossal statues, which are called Risin and Kiedlingen, and are 240 feet high. On the south-west side is a safe harbour, the Kongshavn. Sandoe, to the south of Stromoe, is about 13 milcs long and oue and a half mile broad: population, 500. It has a large lake called Saudsvath which abounds in trout, five villages, three cluurches, aud is tho residence of the Antspropst, who is the head ccclesiastical authority. Suderoc, lying south of the preceding, is about 17 miles in length and $5 \frac{1}{2}$ miles in its greatest hreadth, and contains ten villages, six churches, and upwards of 1000 inhabitants. It is full of rocks and precipices. Punthavn, its port, is almost the only spot where there is a safe landing. Vaagoe, to the west of Stromoc, is nearly 13 miles long and about 5 miles broad: population, 600 . Its principal lake, Soorrang, is the

Ingent in the Faroo islands, and is full of trout. It has four charehes, the parochial one boing at Jlidvang, a villagoand seapport. Mlyggenaen, to the wert of Vancoe, is an incousilemble inland about 3 miles broad. The remainder of the seventeen inlmbited islands are Fugloe, Srinoe, Videros, Bonloe, Kionoe, Kalsoe, Kolter, Hestoe, Noboe, Skuoe, and the greater Dimon.

## FARS, or l:ARSISTAN゙. [Prman.]

FASANO. [Bam, Terra dl]
FAVERSIHAM, Kent, a market-town, a municipal borough, a member of the cinqne port of Dover, and the seat of a Poor-Law Uuion, in the parish of Favershara, is situated in $51^{\circ} 18^{\prime}$ N. Int., $0^{\circ} 53^{\prime} \mathrm{F}$. long., diatant 8 mlles W. by N. from Canterbury, and 17 miles F.S.E from London. The population of the town of Favershmm ill 1551 was 4595 . The town is geverned by $\&$ aldermen, or jurata, atal 12 counelllors, one of whom is mayor. The living is a vicarage in the archdeaconry and dioceno of Canterbury. Feversham Poor-Larr Union contains 25 parishes and townships, with an area of 14,052 weres, and a population in 1851 of 16,513 .

Favershnm is intuated on a htremm running into the East Swale, to the left of the road from London to Dover. King Stephen founded here an abbey for Clunjee monke, in which bimself, his queen Matilda, nnd his eldest son, Enstace of Boulogne, were buried. Portions of the outer walls atill exist. The town eonsists chielly of four ntrects, forming an irregulnr eross, nnd having the guildhall and merket-placo in the centro. The streets aro well paved. The church is a commodions cruciform huilding, constructed of flint ; it has some portions in the decorated style, the remainder is of liter date. At the west end is a light pinuncled tower surmounted with an octagonal spiro. The Independents, Baptists, aud Wesleyan Methodists have places of worship. The Grammar school, founded in 1575 , has an ineome from cudowment of about 160 l . a year, and had 50 scholars in 1853. Thero in a National school. Faversham Creek is navigable up to the town for reatels of 150 tons. On December 31 st , 1853, the number ond tonnage of ressels belonging to the port wero- 225 under 50 tons, with an aggregate of 4936 tons; 82 veasels abore 50 tons, aggregate tonnage, 10,355 ; and 1 steam-ressel of 9 tons burden. The vessels which entered and eleared at the port during 1853 wero as follows:-lnwards, 1532 remals, 116,381 tons; cutwards, 1478 ressels, 44,983 tons.

The oynter fillery employs between 200 and 300 persons. There is a considerahle import and export trade ; much agricultural proiluce is ennt to london hy hoga. The market-days aro Wednesday and Satnrday: fairs are held on Fehruary 14th and August 1st.

FAYAL [Azores]
FAYETTEVILLE [Caroussa, Nontn.]
FEAR, CAPE. [Camolana, Nostil]
FECAJIP. [SEINE Infemevae.]
FECKFNHAB. [WORCESTERSMRE]
FELDSBU1RG. [E*s.]
FELEGYHAZA [COMANIA, LITTLE]
FELIPL: SAN. [Veyezuela.]
FFHIVKANO. [ALEssisDRIA.]
FELLETIN. [Crevese]
FELSTEAD. [FssR]
FELTRE [BELLUNo.]
FF:MEIRN. [Schteswig.]
FEN゙NY STRATFORD. [BUCKมตMA มsurne.]
FFENWICK. [ATRSmme]
FFODOSIA. [KAFFA.]
FERE [Aiswe.]
FI:IRE, LA. [AN.]
FERBIANAGH, on inland county of the provinco of Ulster, in Ireland, lien between $54^{\circ} 7^{\prime}$ and $54^{\circ} 57^{\prime} \mathrm{N}$. Int., $7^{\circ} 8^{\prime}$ and $8^{\circ} 10^{\prime}$ W. long., and in bounded N, hy the counties of Donegal and Tyrone, F. hy the county of Monaghan, S. hy Cavan, and W. by Leitrim and Donegal. Its greatest length from east to weat is 45 inites, from north to south 29 miles. The aren comprises 457,195 seres, of which 289,22s are arable, 114,847 uncultivated, 6155 in plantations, 210 in towns, and 46,755 under water. The population in 1851 was $116,007$.

Swrface, Ifydrography, and Communications.-Fremanagh county Irelonga almont entirely to the benin of Lough lirue. I'le drainage of \& small dintrict in the extrume wert fall into Lough Melvin, the superfuoun waters of whiel are carried to the Atlantic by the Drowes liver. lough Frne, which extende from south-enst to north.went for above forty milen, divides the eounty into two nearly equal parts, met is itself livilled into the Upler and Lower lakes, the former mirotching from Wattle Bridge, on the borders of Cavan, to the neigho hourhood of EHninkllien; the latter from Enniskillen to Belleek, on the borders of Donegal. The UPper Lake in about 18 miles in length, and han an extreine width of about 4 milen; it in thickly studded with hilly inlandn, some of which are of conniderable size, and all ero clothed with wood or with rich yantures. Within tro or three miles of Enuinkilleuthe lake becomen unrrow, and anamen a river charmetor, which it retains for a snile below tho town, whero, opposite tho ground of the rogal achool of lortora, the Lower Lake comnences, expanding into $n$ inngnificeut aheot of water, much lem incumbered vith inhand than the Ulper lake, and having opposite the town of Keah a widu of not lens than six uilem. The singularly varied and beautiful nceuery of theso lakes in maid by Iuglis and other tourista
not to bo surpassod in Europe. On approaching Belleek the lahe agaln contracts, and Bows as a deep rapid river through a mether simangy tract, cromod uear the village by a rocky ledge, over which the atream rushes impetnously, forming a fine catarnch. Froma lbelleck the river flows with mpid conrse west by uorth, forming another fine fall of about sixteen feet at Bullyybannon, a littlo below whicls it enters tho Bay of Doncgal. Vist unubers of salmon necend to lough lirne and its feeders to spawn; the aseent of the fish up the falls of Ballyshannon and Belleels is eagerly watched as a very gratifying apectacle. Lough Erno also abounds in trout, pike, perch, and bream; it is frequeuted by large llocks of wild duck, wild geose, and other water-fowl. The outlet of Lough line is naviguble for reasels drawing 12 feet water up to Ballyshamon; botween the town and Delleek tho ranidity of the strean renders it useleas for purposes of navigation. The depth of the Upper Lake varies from a few fect to 75 feet; the Lower lako is said in some placen to bare a depth of 200 feet Formerly somo of the connecting reaches of the Upier Lako were in parts so slanllow that only flat-bottomed boats, called 'eots' could navigate them. These ehanuels havo recently been deepened, and the lates are now unvigated by small steamers, which convey goods of verious kinds between Belleek, linniskillen, Lisnnskea, Belturbet, aur the Uister Canal, which enters the Upper Lake near Wattle Bridge, connecting Longh lirne with Lough Neagh, and completiug the water comminiention betweeu Enniskillen, Newry, and Belfast. The elief articles of traffic ou the lake are timber, coals, butter, cggs, corn, and other egricultural produce.
The most southern part of the connty, extending from the Woodfoni River [Cavan], which forms part of the bonudary between Fermaungls and Cavan, to a few miles helow Enniskilleu, presents a belt of rieh land of considerahle but varying width, geutly uudulating in park, but level along the lake-shore, and the wholc hacked by high inounthins. Between the Woodford and the Claddagh (a feeder of Lough Firne, which rises near the head-waters of the Shmmon in the eonuty Ceran), the beek-ground is formed by the northern slopes of the Legavrega Mountains. Between the Claddagb and tho Arney, at about four miles from the Inke, runs the main ridge of the Dowbally Mountains, whicls form part of the watershed betweon Lough Frue and tho Shannon. This range, the lighest in the county, reaches in its culminating point, Cuilcagh, the hight of 2158 feet above the sea; its slope towards the lake is in general rapid, in some places preeipitons. At its northern hase is the fine mansion and extensire domain of Florence Court, the seat of the Earl of Enniskillen. Westward from the Cuilcagh Mountains, on the confues of the counties of Leitrin, Cavan, aud Fermauagh, is Iough Macnean, of Whieh the eastern prart, called Lough Nitty, is counected by a strait with the westeru sud larger part, properly called Macnean. The outlet of lough Macnenn is tho Arnoy, which flows eastward to Lough Eirne, through a beautiful well-wooded coutry. A little north of Lough Nitty is Belmorv Dlonntain, which attains a height of 1312 feet, and furms a striking feature in the secnery of Lough Erne on the approach to Enuiskillen. [Fisiskilees.] The approaclies to this town on both sides of the lake aro edorned with many protty residences. About two miles south-east of Enniskillen, situated in a very extensive and beautifnl demesne, is Castle Coole, tbe most splendid mansion in the north of Ircland, and the sent of Einl Belnore. Tbe strncture is built of I'ortland stoue.

All the rest of the southern part of the county, between Lough Macnean nud Lower Lough lime, is with little exeeption mountainone. The minss of the Shean-North runs aloug the Lower Lake in many places close to the shore, towarls which it descende with a very rapid slope. Tho highest part of tho range, called Phoul-a-lhonca, rises to the height of abovo 1150 feet, nud sinks down almost preeipitously withius a few rods of the shora. South of these masen, but reparntal from them by the undulatiag basin of the Sillica liver (which enters Longh lirne about a nule ebove Enniskillcu), are the Glemalong alountains, which have an altitude of nbout 900 feet. The greater part of this region is wild iu the extrene, consisting of irreclnimalle monntain, brown bog, and euarse pasture. In the bnsin of the Sillies however, particularly in the neighbourhood of Church-Hill aud Derrygonnelly, there is some good arable and pasture laud.

West of the Lower Lake, as far as lettigoe, a small village partly in Formanagls and partly in Donegal, tho surfaco in lilly, with only a narrow level margin nlong the shore In this district, and near the western extremity of the lnke, is the beautiful demeane nud seat of Castle Caldwell. South of l'ottigoo is lion Ialand, tbo largest in the Lower lake, containing 1400 aeres of fine land; it in however almust treeless. Occupying a beautiful situation on one of tho larger islants near the weot shore of the lako stands Ely Lorlge, the fine seat of the Marquis of l"ly. Enstward from Pettigoe to Kewh and Lienarrick the Inud elopes down gradually from the mountaius on tho confines of Tyrone to the lakoshore, aud presents some of the finest soil and most picturesque scenery in the county. The view between Keak aud Castle Areladall, a aplendid mansiou nnd demesne near Lisararick, are particularly fine. The monntain ridge to the north of this district forms part of the watershed betweeu Longh Foyle aurl Iongh Frue; most of the stream thence run into the lake by the liesh liver. From Lisnarrick to Rallinamallard and the eastern side of the ralley of the Ballicassidy Iliver (on which thero aro largo flour-mills), the
surface is undulating, and generally the land is very fertile, with tracts of bog howevcr in the low grounds. The mansions and demesncs of Necarne, near Irvincstown, and Jamestown and Crocknacreeve, near Ballinamallard, are the most worthy of remark in this region. From a short distance east of Enniskillen a range of round-backed hills, called the Toppit Monntains, stretches in a general northern direction, and joins the Tattymoyle mountains in Tyrone, a few miles south of Fintona On the western slope these hills are generally cultivated; the eastern side is in many placcs very steep, and overgrown with heath. This range forms the western limit of the basin of the Drummany, the largest river-hasin in the county, the eastern limit being formed by the Slieve-Beagh (commonly.pronounced Slabay) Moutaias, which have a width of 7 miles and a length of ahout 13 miles. This mountain mass extends in a northern direction from Lisnaskea, and the small hamlet of Donough along the eastern border of Fermanagh into Tyrone. The summits of Carnmore and Brochderg in this range reach 1050 feet in height. The eastern side slopes down in general gradually to the high plain of the county Monaghan, being skirted on that side by a gently undulating country, containing several small lakes, bogs, and marshes, and drained by the Finn River, which carries all the waters of the eastern slope into Lough Erne. The broad round summits of these mountains and a great portion of the eastern slope are bleak and barren, quite nasheltered and treeless; the surface presents only coarse hungry mountain pasturc, bare rocks, or undrained bogs, resting on clay, and covered with stunted heath. The descent on the western side is by a series of rapid slopes, each succeeded by its level district of irregular shape and varying width, so as to prcsent a succession of natural terraces. On this side cultivation is more cxtended.
The basin of the Drummany River stretches out to westward from the base of these mountains for about five miles, and extends in a directiou north and south of about ten miles. It may be characterised as a plain inclosed by a ring-fence of mountains except to the southward, where it opens on Lough Erne, fine views of which are commanded from several points. Therc are however several low hills and round outlying cminences in this plain. The land is generally good, but varies considerably. In the north-west of this hasin is the small village of Tempo, near which is Tempo House, formerly the seat of a branch of the noble Irish family of Maguire, and now belonging to Sir E. Tennent. Four miles south east from Tempo, the pretty village of Trookborough stands on a slight elevation at the western foot of the Lismalore Hills, an offshoot of the Brochderg Mountain. About two miles north of Brookborough is Colebrooke House, situated in an extensive wcll-wooded demesne. Colebrooke House, the finest mansion in this part of the county, was erected by the late Sir Henry Brooke, and is built of a beautiful white freestone found in the southern part of the Slieve-Beagh Mountains. The main branch of the Drummany River rises in the northern part of these mountains, and runs with rapid winding course towards the west till it enters the Colebrooke demesne, whence it runs gouthward, and about a mile to the west of Brookborough and through Maguire's Bridge : about four miles below this place the river falls into Lough Erne. This river, as well as all the streams in the county and the lake itself, is subject to floods. To the west of this river, between Brookborough and Lisbellaw, there is a very extensive tract of bog, coutaining Lough Eyes and some smaller lakes.

The immediate neighbourhood of Lough Erne, all the way from linniskillen along the north shore of Upper Lough Erne to the confines of Cavan, presents a flat district of great fcrtility, with here and there amall tracts of bog and sedgy swamps, backed by a country of hills and dales, which contains some of the best corn and grass land in the county. Of the islands on the lake mention must he made of the large island of Belleislc, which is joined to the north shore by a causcway and bridge. The first Earl of Rosse bnilt a fine mausion on this island, portions of which still remain in the residence of the present proprietor, who is a descendant of Dr. Porter, formerly bishop of Clogher. This island is situated nearly opposite the mouth of the Arncy, and commands finc vicws of lake and mountain scenery; the beautiful grecn and lofty hill of Knockninny, on the south shore of Lough Erne, forms a much-arlmired feature of the landscape. Crum Castle, a mansion of the Earl of Erne, situated on a peninsula of Lough Erne, about 4 miles S. from Newtownbutler, near the southcastern catremity of the lake, and near it the remains of old Crum Castle, arc worthy of remark for the extcnt and beauty of the wellwooded demesne in which they stand, and which includes scveral islands. Further south-east, on the bordcrs of Cavan, there is the handsome residence and grounds of Castle Saunderson, a short way from which, on the road to Lisnaskea, is a large district of barren bog. The intcrior of the county, from the hamlet of Donough to Newtown butler aud Clones, prescnts an undulating surface of pasture and arable ground.

The county is traversed by excellent roads. Along the north and south shores of the Upper Lake run two mail-coach roads, which cliverge from Eutler's Bijdge in the county of Cavan, and unito in Enniskillen, whence a fine road runs to Ballyshannon and the west coast of Ireland. Opening on theso thrco lincs of road are numerous others connccting Enniskillen with all parts of the county. The Armagl, Belfast, and Enniskillon mail-cuach travels by the main
road along the north shore as far as the neighbourhood of Newtownbutler, whence a road runs to the eastward, leading to Clones aud Monaghan. Even the mountain roads of the county are good, but many of them are impracticahle for carriages. A railroad to connect Enniskillen with Londonderry is in course of formation, aud is open between Londonderry and Dromore: other lines are in progress or projected to join Enniskillen with Newry, Dundalk, and Dublin.
Geology, dec.-Upper Lough Erne lies on a bed of blue clay, and is surrounded on all sides by limestone strata. Tho Dowbally Mountains, and the mountains south of the lower lakc, are composed chiefly of sandstone and limestono. Where the limestone prevails in the south and south-west of the county, there occur numerous cavities and suhterraneous water chanuels. The Roogagh River, which brings down the waters of several small lakes and trihutary streams to Lough Melvin, is absorbed in the rock, and emerges, after running a distaneo of ahout 30 perches underground. Iu like manner tho Claddagh and several brooks which run into Lough Erne from the Shean North, dip underground in their course. A natural bridge of rock crosses a stream which forms part of the boundary of the district on the south; and throughout tho central parts, caves (as near Ballicassidy) and deep holes in the rock are of very frequent occurrence. The Toppit Mountains consist of yellow sandstone and conglomerate, hut limestone lies along the lower slopes, and in most parts of the county the isolated hills adjacent to the higher ranges contain limestone, sand, and gravel. The Slieve-Beagh Mountains are famous towards their southern extremity for a beautiful white sandstone, said to be superior to Portland stone ; but these mountains consist chiefly of millstone grit, which is found of superior quality at Carnmore, aud ycllow and old red-sandstone: the limestone strata however lie close upon the range on the eastern and western sides. On the western slopes of the Slieve-Beagh, traces of coal and iron have heen found, and also a slaty-blue clay resembling rotten limestone, which becomes readily pulverisable on exposure to the air, and forms good manure for moory soils. Marl and potter's-clay are found in several placcs.

Climate, Soil, Agriculture, dc.- The climate is very moist, but mild and healthy, except in the neighbourhood of Upper Lough Erne, where, in low districts, marsh fever sometimes prevails in the summer and autumn. The prevailing winds are the west, south-west, and south; the west winds hlow at times with tremendous violence, uprootiug trees, and sweeping away the roofs off the houses. The soil in the low grounds is a rich deep loam, in some places peat, resting on a subsoil of clay; the saudstone districts have mostly a cold thin soil; in the limestone tracts the soil is generally good, and easily worked. Improved methods of industry have heen to some extent introduced. The chief crops are oats, wheat, potatoes, turnips, flax, and hay. The number of acres under crop in 1851 was 107,735, namely:-Wheat, 2643 ; oats, 43,845; harley, bere, and rye, 5584; beans and peas, 1010 ; potatoes, 13,059 ; turnips, 5724 ; mangel wurzel, roots, and cabbage, 2074 ; vetches and other green crops, 498 ; flax, 2800 ; rape, 30 ; and meadow and clover, 30,468 . On 15,566 holdings in 1851 there were 6518 horses, 4749 mules and asses, 88,651 cattle, 11,371 sheep, 17,843 pigs, 443 decr, 3055 goats, and 195,674 hcad of poultry. The county exports oats, butter, eggs, and some other articles of agricultural produce; the principal markets for wheat and other descriptions of corn are Enniskillen and Lisnaskea. The fields are inclosed by hedges in the low country, on the nountains by walls of loose stonc. The farm-buildings, which are generally erceted by tho tenant, are pretty good; but the mud hut and the cabin of peat sods, the residences of the poorer classes, meet the eye in all directions. Except in the neighbonrhood of Lough Erue, and to some distance round Enniskillen, the county has a bare, cold appearance, in consequence of the paucity of timber-trees, which are grown chiefly on the demesnes of large proprietors. The county is entirely agricultural : the only manufactures worth namiug are coufined to Enniskillen; lincu is woven for domestic use.

Divisions, Touns, dec.-Fermanagh county is comprised in the diocese of Clogher; with the exceptiou of the district which exteuds eastward from the Arney aud Lough Macnean; this belongs to the diocese of Kilmorc. The county is divided into 8 baronies:-1. Clanawley, which lies between the Sillies River on one side and the Arney and Lough Macnean on the other; 2. Magheraboy, which includes the rest of the western division of the county from the left bank of the Sillies aud the south shore of the lower lake; 3. Kuockninny, which extends between the Arney and the Woodford rivers; 4. Coole, emhracing the south-eastern district; 5. Clankelly, which includes the district between the ridge of the Slieve-Beagh Mountains, in the couuty of Monaghan; 6. Magherastephana, which is generally coincident with the basin of the Drummany River; T. Tyrkeunedy, which extends from Enniskillen northward to Tyrone, iucluding hoth slopes of the Toppit Mountains; 8. Lurg, which comprises the north-west of the county.

There are fow towns of consequence in Fermanagh : Enniskillen, the county town, Lisnaskea, and Lowtherstown, are described in separate articlcs : the followiug places we notice here :-

Bellcel; population of the village 228 in 1851 , is situated on the right bauk of the river Erne, ahout $2 \frac{1}{2}$ miles below the point where the lower lake uarows to the dimensious of a river. The remarkuble
cataract formed by the river Firne near this villags has beon alrealy noticed. A bridgo spanm the river at thin place 2 he atream runs here with a rery rapid current. F"aire aro helf at Trelleek on Febriary 8n3, May 17 th, June 19th, and Oetober 10th. Nerrygomally, population 319, in situnted in a wild and picturewpe diatrict, alout in miles W.N.W. froms linniakillen, and about 3 miles S. from the shore of Ionght Erme. There aro here a sunall church and chapels for Itoman Catholice and Wealeyan Metholista Fiars ano held on the 2 fth of each montl. A esh, populatlon 257, situated on the mall mirean oalled Konh, near its cutrance into lough Fiswe, alout 11 wiles N. by W. from Finniakillen, contains mintious of the oonstabulary and revenuo police Petty anetions aro held, and there aro fairs on March 23th, April 2Sth, June 1uh October 2nil, and Novernber 20th. Lisbellaw, popnutation 831 , about 4 milea S.E. from Enninkillen, posmeses a chapel of ease, and chmpela for Roman Catho!les, Presbyteriam, and Wealeyin Methorime There is here a amall apade manufactory. Soven fsirs are lield in the conres of the year. Petty eemaions aro held monthly. Maguires Bridge, population 773 , sltuated on the Drummany River, abont 7 milen S.lis from Enninkillen, has reeeired its name from a bridge which eromee the river at this place. It contains chapels for Itoman Catholics, I'reshyterians, and Wesleymu Methodints, aul a dispenasy. Fairs are held monthly. Newlowenbuler, population 177, situated near the heed of Upper lough Eirne, contains a church, two chapels for Methodiste, one chapel for 13oman Catholics, a coustabulary barrackn, a bridewoll, and a dinjeusary. Quarter and petty sessions are held. Fairs are held once a month. Pettigoe, population 466 , situated on the river Termon, near the northern extremity of longh Fone, is a great thorouglifare of the pilgrins to Longh Derg. There aro here a charch, a chapel for Preshyterians, and one for Roman Catholica. Koselea, population 820, situated on the rirer Finn, near the eastern burder of the county, contains a chapel for Roman Cacholics and a disponmary: Petty eanions and a montbly fair are held here Tempo, population $40 \%$, about 0 miles ExN. E. from Emniskillen, is picturesquely situated, and has a neat appearance. The village contains a church, a clapel for Roman Catholics, and a dispensary. A fair is held monthly.
Assizes are held at ExNiskiLLFs, which is tho only large town in tho county; here are the county prison and the county infirmary. There are fever hospitals at Jinniskillen, Lisbellaw, nnd Lisnaskea. The caunty is entitled to send 21 patients to tho Ammagh Lamatic Asylum. Quarter ses⿻ions nre held in Enniskilleu and Nowtownbutler, and petty seasiuns in twelve places. The Poor-Law Union workhonses mroat Funiskillen, Lisnaken, and Lowtherstown. The conuty is in the military dintrict of Belfast, and thers are barrack stations at Enuiskillen and Belleck. For perposes of police the county is divided into five districts-Enniskillen, Araey, Derrygonnelly, Keah, and Jisnaskea The number of police, inclucling ofticers, is 191: Inniskillen is the head-quarters. Jerenue police are stationed at Brookborough, Keah, and Belcoo, a small village situated between Upper and Lower Lough Maenomn.
At the cud of 1851 there were 180 National schools in operation, attended by 1918 male and 8315 femalo children. Besides these there are sereral other mullinentray and elassical schools of superior ashools the principal is the royal school of Portora, tho buildings of which are situated in beautiful grounds on a gentle eminence aboro Lower Lough lirne, a short distance west of Enniskillen. This achool was founded by Charlem 1., and is richly eudowed. Fermanagh returns three members to the Imperial Psrlinment, two for the county and one for the borongh of Finiskillen. In 1551 there wss one sarings bank in the county, at Enniakillon. The total amount owing to depositors on November 20th, 1851, was 37,0341 . 7s. Id.

Ifisery and Antiquities, -Fermanagh wes first erected into a county by matute of the 11th of Elizabcth; but it was not till the time of the plantation of Ulster that it was finally brought under civil gevernment Ilaving fallen to the crown ly the attainder of Maguire, it was divided in like manner with the other five eschented comntics among Scotch and Finglials undertakers and native Irish. Tho chicf proprietora under the now mettlement were tho families of Colo, Blenner. havet, Butler, Ilume, and Dunbar. The subsequeut forfeitnres of 1841 nffected a large portion of Fermanagh, and considerably inoreased the pomeasions of thowe from whou mnny of the present propriotors are descended. The forfeituren conmequent on the war of tho revoIution affected only 1915 acres in this county.
The princlpal antiquitien are the benutiful round tower and some ruine of ecclemiantical bullding on the ifland of Devenish, abent a milo below Finniakillen; the remaine of Lirgool Abbey, on the south minle of lough Eime, about a mile mud a half above tho mane town; tho ruins of Auglulurcher church, about two miles above Lisuaskea, on the northern abore of the upper lake; ami numerous ratis, or rude bill forte, of unknown antlquity.

FE'liSIO, a diviaion of thio Papal State, bounded F: by the Adriatle, aloug which it extendla from the mouth of the Chienti to the month of the Tronto; N. by the proviuce of Macerata; W. ly that of Spoleto, and 8. by tho Abruzai. It forma part of the oll porrince of the Xarchen, tho ancient licenum, wlilch Is mabrlivided into three provinoen, Anconv, Mneernta, and Ferma The provisice of Jerma in hilly, being ocetpled ly varions offecta of the A pennines, which, detaching themmel rem from the central ridge, extcrud to tho const
of the Adrintic, and furm nuznerous valleys watered by rivers or rather correnta, the priucipal of which are, from north to south, the Chienti, the Tenna, the A eo, the Tesino, and the Trunto. The Jeugth of tho provlnee along the Aclriatic coant is 80 miles, and its breadich from the an to tho ountml Apeuninen in about the same. The chief prodncts of tho country are whent, maize, sill, cattle, wine, honcy, liquorico, and oil. The fislieries alougg the const are valuable. Tho division is now formed Into two dalegazioni, or movinces-Furmo, north of the river $\Lambda$ so, and Ascoli, suuth of the Aso. Their arce and population aro on follows:-

| Delegaziont. | Area In Square Niles, | Brpulation in 18.5 s . |
| :---: | :---: | :---: |
| Fermo <br> Ascoll | 317 460 | 104,116 |
| Total | \%7\% | 188,333 |

The prinelpal towns are Ascoli, the capital of the southern provinee, which has boen already described [Ascont], and Jermo, the capital of the northern province, which is a pleasant archiepiscopal town, built on ligh ground, about 4 miles from the soa, and surrounded by old walls and ditches. It has a cathedral, screral other churches and convents, nud about 7000 inhabitants, who carry on some trade by means of a amall habour on tho Adristic, called Porto Fermo. The exports are chiefly corn, silk, and wool. The aucient F"irmum, a towa of the l'iceni, afterwards a JRoman municipium, was dustroyod in the sth ceutury by Alaric, and the present town was rebuilt uear its ruina Sunt'. Elpidio, near the month of the river Temm, has 3000 inhabitruts Ripatransone, a walled town about 5 milos from the coast aud near the Tenino, has 2000 inhabitants. Grellamare, a thriving town on tho coast, at the mouth of the Tesiuo, near the site of Cupra Mlaritima, an ancient Jitruscan colony; carries ou soune trade by sea, has sugar refincries, and about 4000 inhabitanta Pope Sixtus V. was born iu this place. Offida, on a hill south of the T'esino, has a landsome colleginto church, some manufsctorics of lace, and abont 3000 jahabitants. Bontalto, a walled but decaycd town, has about 1000 iuhsbitants.

FERMOY, Fast Riding of the county of Cork, in Iroland, in the parish of lermoy, a military statiun, post and zuarketow w, aud the sent of a Poor-Law Union, is situated on the Blackwater livor, in $52^{\circ} 8^{\prime} \mathrm{N} . \operatorname{lat}, 8^{\circ} 18^{\prime} \mathrm{W}$. long, distaut 18 miles N. Ji. from Cork, anol 138 miles S W. from Dublin. The popalation of the town in 1851 was 5825 , exclusive of 2652 persons in tho workhonse, and 19 in the briclewell. Fernoy Poor-Law Union comprises $2 \frac{1}{4}$ clectoral divisions, with an area of 143,268 acres, and a population in 1851 of 48,657 .

Fermoy was a miserable lamalet in 1790 ; it owes its origin as a town to Mr. Anderson, the introducer of mail-conch travelling into Siunster, who became proprietor of the Fermoy eatate, and began to build the town about tho comnencement of the present ceutury. The importanco of the site in a military point of view, commanding as it does an important pass of the Hhackwnter and one of the principal northern approaches to Cork, induced the goverumeut to creet here infantrysud cavalry barracks. A coach-factory, $n$ browery, a gapermill, and a boltiug-mill, crected by Mr. Anderson, caused an increase of employment in the towu. The principal part of the towu, whieh is regulsrly laid out and contains several good streets, stands on the right bank of the river, and is couuccted by a stoue bridge of 13 arches, erected in 1689, with a amaller portion on tho left bank, the brow of the hill above which is occupied by the barracks. The infantry barracks cousist of two distinct quadrangles, of which the smaller oue is now used as the Union workhouse The other public bnildings are a handsome church, a large lioman Catholic chappl, a court-house, and a bridowell. A Roman Catholic college, a nunuery, and behools, are situnted on a hill nbove the town. There are in Fermoy several large four-millos, a brewery, a tanyard, a savings bank, loan fund, and weveral schools. The staft of the North Cork militis is stationed in the town, which is also the head-quarters of tho lieruoy district police. The vlew from tho bridge is much oulnired; it takos in the town and tho rich valley of the Bhackwnter, which is here shut in by fertilo hills adorncd with haudsomo villas l'ermoy has etill a good share of busiuess, and at tho weekly markets much sgricultural produee is disposed of.

FERNANIHELS, JUAN. [JOAN FERNABDEZ]
FliRNANDINA DI: XAGUA. [CUBA.]
FERNANDO I'O, nu islaud situstod on the western cosst of Africa, about 25 miles from Cameroon's l'oint, on the mainland, in the light of Denin, $3^{\circ} 25^{\prime} \mathrm{N}$. lat., $8^{\circ} 50^{\circ} \mathrm{J} \mathrm{s}^{\circ}$ long., is about 44 miles Iong and 20 miles wide. It rimes in bold procipilous cliffafrom the sea, snd tho surface, which is very uneven, towards the centre of tho islaud forms a lofty monutain ridgo, somo of the peaks of which attrin a great altitude; Clareneo l'eak, near tho worthers end of tho island, is 10,650 feet abore tho nea. The rocks are wholly of primitive or volcanic formstlon; uo alluvind depoait having, secording to Mr. Thompson, been found in the island. The aurfice is mostly covered with woorl, and is everywhere well watered sul fertile. Youss, palus, and other tropical jlants are growu ubuudantly; and turtles and fivin are plentiful. The climate is considered healthy, though tho rainy
season lasts from May to Decemher, and is succeeded by dense fogs. There are several small harbours; the largest is Port Clarence, on tbe northern shore, which is formed by a headland called Point William, rising 150 feet above the sea, on which stood the English settlement of Clarence Towu. The natives are of a lighter complexion than the inhabitants of the neighbouring mainland, and have less of the charscteristic marks of the negro physiognomy, the face being rounder, the cheek-bones less high, the nose not so flat, the lips thinner, and tho hair longer and softer. The language of the natives of West Bay and the southern parts of the island is unintelligible to those of Clarence Cove and the northern ports. Therc are said to he in tho islaud from 10,000 to 12,000 native inhabitants, who occupy 15 villages. This island was discovered in 1471 by the Portuguese, who in 1778 ceded it to Spain. The Spanish government tried to settle it, but the inhabitants destroyed the colouy. In 1827 the English, with the permission of Spain, formed a settlement on the island, but abandoned it in 1834, aud in 1844 the Spaniards agrain took possession of it, and gare to it the name of Puerto de Isabel.
FERNEY. [AIN.]
FER NS, a hishop's see in the archdiocese of Dublin, in Ireland, comprehends the county of Wexford and a small part of Wicklow. in 1600. In compliance with the Church Temporalitics Act, the sees of Leighlin and Ferns have been consolidated with the sce of Ossory. The chapter consists of a dean, precentor, chancellor, treasurer, archdeacon, 10 prebendaries, and a vicar-general. The numher of benefices is 61 . The income of the united bishopric is 38501 .

The town of Ferns is a place of considerable antiquity, but much decajed. In 1851 Ferns contained 687 inhabitants. The cathedral, which is also the parish church, is a mean building; but the palace, built by Dr. Cope, is handsome and commodious. There are some remains of an abbey founded by Dermot Mac Murrough, king of Leiuster, and a ruined castle, said to have been his residence at the time of tho English invasion.

## (Fraser, Ifandbool of Ireland; Thom, Irish Almanac.)

FERRANDINA. [BasILICATA.]
FERRRA'RA, the most northern province of the Papal State, situated for the greater part within the Delta of the Po, is bounded N. by the main branch of that river called Po d'Arinno, which divides it from Austrian Lombardy, E. by the Adriatic, W. by the ducby of Modena (from which it is separated partly by the Pannro), and S . by the prorinces of Ravenna and Bologna. Its greatest length from east to west is about 50 miles, from north to south between tho. Po d'Ariaun and the Po Primaro on the Ravennese frontier 30 miles, but the provinco hecomes much narrower towards its western extremity, where the breaith from tho point at which the Reno enters the Ferrarese above Cento to the Po, at the mouth of the Panaro, is only about 16 miles. Its area is 1053 square miles, and the population in 1813 wns 218,786, clistributed among 5 citte, or wallcd towns, 17 terre, or small towns, having a communal council, and 153 ville, or villages and hamlets. The soil is naturally rich, but the greater part of it is swampy, and a considerable portiou of the surface in tho east part of the province is constantly under watcr. The chicf productious are rice, corn, pulse, hemp, grass, hay, wine, and a vast quantity of fish. The province is traversed in several dircetions hy canals.

The principal towns, exclusive of the capital, Ferrara, which is noticed in the next article, are the following:-

Bargnacavallo, a small walled town, with 3500 inhabitants, stands a ew miles E. from Lugo, on the road to lavenna. It has a cathcdral, and a circus for the game of 'pallone.' Roman inscriptions and other antiquities lanve been found on this site. In some maps Lugo ancl Bagnacavallo are set down in the territory of Ravenna.

Cento, a pretty town, 18 miles W. by S. from Ferrara, with 4600 inhabitanta, was formerly colebrated for its college of San-Piagio, which was suppressed by the French. Cento is pcculiarly interesting to the art-sturlent as being the birthplace of Guercino, the interior of whose house (ntill preserved) is covered with his paintings. 'The chnrch of the Rosary, the principal church in the town, is called the gallery (Galeia), from the uumber and arrangement of Guerciuo's works upon its walls. Cento was formerly famous for its fair, which, though still held on September 7 th, has grently fallen off. A sliort distance from Cento on the right bank of the Ieno is Pieve di Cento, $n$ walled village of 4000 souls, in the chureh of which is the Anumption of the Blessed Virgín by Guido. The villagers rose in arms against the Frencl, who wished to remove this picture in 1797, and they succeerled in preventing the rubbery.

Comacchin, 28 milcs E.S.E. from Fcrrara, is a walled towin, with 5400 inhabitants, situated on an island in the midst of extensive แwamps which communicate with tho Adriatic, and receive its water. These swamps, callerl Le Valli di Comacchio, aro divided into estates or tenements for the purpose of fishing. Immenso quantit ies of fish of various sorts, and especially largo eels, are cnught liere and pickled at Comacchio for exportation. The fishery in these marshes is celebrated by Tasso and Ariosto. It is ucedless to add that the neighbourhood is very unheal thy.

Lugo, 30 miles S.S.E. from Ferrara, on tho Senio, has a population of about 10,000 including the commune. It has a handsome square,
the porticoes of which are formed into shops during the September fair, which lasts from the 1st to the 19 th of the month. It stands in the southern part of the province, uear the borders of Ravenna: this town was pluudered and nearly destroyed in 1796, for haviug revolted against the Frencb.

Tbe air in general throughout the greater part of the province of Ferrara, especially in the vicinity of the great swamps, is more or less unwholesome, particularly in summer, tbough tbe malaria is not so bad as in the Pomptine marshes, The country is flat, and iu many parts much below the level of the Po, the water of which is kept in by strong dykes; but the river sometimes breaks through and produces dreadful inundations. The cost of keeping the dykes in repair is one of the heaviest charges on the province, and watching the rising of the river during the floods is a constant care of the peasantry. The Po, in the territory of Ferrara, divides itself iuto three principal branches-the main one, or Po d'Ariano, the Po di Volano, and the Po di Primaro or southernmost hranch, which last receives the Reno, the Santerno, the Senio, and other numerous streams which flow from the Apcunines of Bologun. These various branches of the Po communicate with oue another by canals. The Naviglio of Bologna communicates between that city aud Ferrara, and the Canal di Cento between tbis town and the Po.

The province of Ferrara is governed by a Papal legate, and is hence called a Legation (Legazioue). The Legate resides in Ferrara, the capital of the proviuce. It formerly constituted the greater part of the duchy of Ferrara, which was long governed by the house of Este. Alfonso II., the last duke, having died without legitimate male issuc, the duchy was annexed to the Holy See in 1598. The French seized the Ferrarese in 1796, and included it in the department of the Lower Po in the kingdom of Italy. In 1814 it was restored to the States of the Church, with the exception of a portion that lies between the Po di Goro and the Po della Maestra, which was anvexed to Austrian Italy.

FERRARA, an archiepiscopal city in the States of the Chureb, capital of the Legation or proviuce of Ferrara, is situated in the midst of a flat unhealthy country, not more than 7 feet above the level of the sea, on the left bank of an arm of the Po, in $44^{\circ} 49^{\prime} 56^{n} \mathrm{~N}$. lat., $11^{\circ} 36^{\prime} 33^{\circ}$ E. long., about 4 miles S. from the main channel of the Po, which forms the houndary between the Papal and the Austrian states, 26 miles N.N.E. from Bologna, and 38 miles N.W. from Ravenna. It is a large and well-built town, with streets wide and straight, tho principal of which, called San-Benedetto, is about 2000 yards in length. But the city, though it retains many features of former grandeur, wears a deserted look; grass grows on its once well trodden pavements : its magnificent palaces aro unteuanted and falling into decay; and its walls, which onco inclosed a population of 100,000 , now hardly contain a fourth of that number. Of the 25,000 inhabitants about 2000 are Jews, who reside in a separate quarter called Il Glietto. Besides being iuclosed with walls, Ferrara is defended ou the west side by a citadel regularly fortified, which, agrecably to a stipulatiou of the Cougress of Vieuna, is garrisoned by Austrian soldiers, as well as the ncighbouriug town of Comacchio. The Austriaus, dreading the libcralism that manifested itself in ceutral Italy after the election of Pope Pius IX., took military possession of the city also in August 1847-a step which led to lively remoustrances from the Holy See. The troops were withdrawn from the city in Dccember followiug. But siuce the miserable terminatiou of tho insurrectionary movements in Italy in 1849, the Austrians have military occupation not ouly of Ferma but of all tho cities and strongholds in the legation.

In the middle of the town is a castle, flanked with towers aud surnounded by wet ditches, which was once the residence of the dukes of Ferrara, and is now that of the legatc. The population is collccted together chiefy round this castle, and but thinly senttered ovel the remninder of the site. Ferrara has a cathedral and numerous other churches, inost of them rich in paintings by the great masters of the sciools of Bologna and Ferrara. The finest churehes arethe cathedral of St. Paul, consecrated in A.D. 1135, adorned with sculptures, bronze statues, and frescoes; San-Benedetto, in which Ariosto was buried: his monumcut however has been transferred to the University: in the hall of the refectory of the adjoiuing convent is the painting of Paradisc, by Garofalo, the friend, Ariosto, who introduced in it the likeness of the poet; Sau Domenico, which has several valuablo paiutings and the monument of Celio Calcaguini, one of the restorers of learning in the 16th century; Santa-Maria-del-Vado, the oldest church of Ferrara, which is celebrated for its magnificent paintings by Carlo Bonone and other masters of the school of Ferrara, and contains the tombs of Bonone, Gurofalo, Bastiauino, Ortolano, and other native painters; the church of SnnFrancesco, which is rich in the works of Garofalo, and is famous for its echo, which has sixteen reverherations; i T'entini, \&c. Most of these churches, and more especially that of the Campo-Santo, which occupies the site of the old Certosa convent, coutain many finelysculptured monuments of historical or otherwise cmiuent personages. Anong the palaces of Ferrara, the finest are those of Villa and Bevilacqua. The theatre is one of the largest and finest in Italy. Tho house of Ariosto, which he purchased himself, is shown to straugers, but his farourite garden has disappeared; the old house of his family
in whichs he liad been brought up still cxists, and is called Cana degli Aricsti The Casa Gunrini, atill inhahited by the marqnises of Guarini, recalls the name of the nuthor of 'II Pastor Fivlo.' The great square (liazza Grande) wat named after Napoleon till I814, when it got the uame of Piazza d'Ariosto, whleh it retains. The University of Ferrars (Studio Publico), which Is attendeal hy about 500 studente, enjogs a high reputation as a school of modicine and jurisprudeuce. It contains collections of urdaln and of Greek aud Iloman antiquitles, and a valuable library of 80,000 printed volumes and 900 manuscripte, among which are antographe of Ariosto, Tasso, Guarinl, and many editions of the 15 th and I ©th centuries, when the prense of Ferram were nmonget the most active in Europe. In one of the apartments of the lihrary in the tomh of Ariosto, which was rumored hither by the French from the eliureh of San-lienedetto in ISO1. When they occupied that fine convent as barracks. In ths hospital of Santa-Anns is still shown a small room on the ground floor in which Tasso was confined for seveu years and two months hy Alfonso d'Este, duke of Ferrara.

Ferrara is one of the most interesting and handsome of the modern towns of ltaly, for it has no claims to classical antiquity, linving risen after the fall of the empire. It was walled round hy the Fixarchs in the 6th century. The bishopric of Ferrara dates from 661, the archhishopric from 1735. From the I0th century the eity was connected with the family of D'Este, first as magistrates suld after 1210 as hereditary princes, generally holding their power from the Pope, hut sometimes asserting their independence. Ferrara remained under the sway of the house of D'Eiste until the extinction of the legitimate hranch in 1597, when it was finally attached to the States of the Chureh. During the last century of its existence Ferrara was the most distinguinhed city in Europe for literature and refinement ; the names of Ariosto, Tasso, and Guarini throw nu inextinguishahl glory around its little court during this periol. The Ferrarese sehool of ert was founded and fostered by the house of D'Este. Under Duke Ercole, Calvin and other French reformers found an asylum in Ferrara when drivsu from France in the early part of the $16 t h$ century. It lost part of its population in the I 7 th century in consequence of having lost its soveruigns, and hecome a provincial town. It carries on a considerahle trade in corn and other produce of the soil by means of large canals and the Po, which connoet it with the large towns of Northern Italy. A good deal of caviare is made from the roes of eturgeon taken in the Po.
(Guida al Porestiero per la Citrd di Ferrara; De Rossi, Barotti, Lanzi, \&̌a; Ifandbook of Centrul Ilaly.)
Fl:irko. [Casariza.]
FFEIRROL. [Galicia.]
FERRY-PORT-ON-CNAIG. [FiEESITRE]
FERTE-MLON, LA. [AISNE]
FESTINIOG, or FFESTIN1OC, Merioncthehire, a rillage and the seat of a Poor-Law Union, in the parish of Festiniog, is situated on a lofty hill at the bear of the beautiful vale of Festiniog, in $52^{\circ} 59^{\prime}$ N . lat., $3^{\circ} 55^{\prime} \mathrm{W}$. long. ; dintant 16 miles W. hy N. from Inala, and 210 miles N.W. by W. from Loudon. The population of the parish of Festiniog in 1851 was 3460 . The living is a rectory with the enracy of Maontwrog nanexed, in the archdeaconry of Merioneth nud diocesc of langor. Festiniog Poor-Law Union contains I5 parishes, with a population in 1851 of $16,15 s$.

The town has considerably inerensed during the last 30 years in consequence of the opening of several slate quarries. Copper has recently been discovered. The parish church is an elegant structure erected in 1846 in the Norman style. Wealeyan and Colrinistic Methotists and Independents have places of worship, and there are National aud Iritish schoola, an hospital, and a savings bank. The inarket in held weekly on Saturday. The neenery of the vale of Fentiniog is rich, varied, and pieturesque. The two waterfalls of Cynfal are situated ln a heautiful glen about half a mile from the village.
(Pasys, Camlrian Mirror: Cliffe, Bool of North Irales; Land IVe Lire $/ n$, vol. iii ; Communication from F'cstiniog.)

EEVERSSIIAM. [FAvERSHAM.]
FH:\% [Marocco.]
FFiZ\%AN, the Phazania of the anciente, a country in northern Africe, between $24^{\circ}$ and $31^{\circ} \mathrm{N}$. lat, $12^{\circ}$ and $17^{\circ} 30^{\circ} \mathrm{E}$. long., may be conldered as the greatent onis of the Saham, by which it is inclosed on the weat and cart, and partly also on the south. On the north it borders on a lem desert regiou Lelonging to Tripoli. Its length from north to mouth is about 300 inilen, its brearlth is 200 miles; lut where it bonders on the desert, its boundary of courso is not cxactly fixed. On all eddes it lomarrounded by nomadic nationm; on the north and eant hy Arabe, and on the south aud west by the Tibboos and Tuaricks.

Fezzan, according to Richardson, comints of a "great central tahlsland, not quite clearly markel to the ege on some of its northern sppronehes, but dropping nheer to the plaln at other parta" Its northern part in traversed hy two ridgen of atony aud manly hills; which ln jlaces attain an elevation above thelr base of 1200 fect. They are called in the enatern dintrict Fil llarunh, but In the western thry take the name of Ghurian Mountainn and Soutah Mountaing The country mouth of theme ridget containm large plainm, covered
with mand, or pehhles and mmall mtones, and without any traces of vogetstion; but some ridgen of hillm from 300 to 800 feet high, risu above tho plains, and juclow vallugs between then, which are the only parts capable of cultivation. The cultivahle portion of the country hardly exceols onetenth of its surface. The hills have rugged, irregular, and peaked summita, and are compooed of thick beds of blue clay, alternating with sandstone, beds of alum-slate, and thick strata of porphyritio clay-stone (Denhaun); the tope consint of sandstune. The snil in the valloys is a stratum of eand, lying on chalk or elay, which is renderod fit for agricultural purposes ly irrigation. As there are no rivers or irooks, nad only very fow natural spriugs, the irrigation is effectod by welli, water being commonly found at a depth of about 100 foet. The lheat in summer is very great, but in winter, during the northern winds, the cold is unpleasant even to liuropeans. Iain is very rare; and it rains very fittlo at a time. Violent galen are rather frequent, especially from the north and south, which fill the air with clouds of sand.

Date-trees, which constitute the principal wealth of the country, srow plentifully near the townand on some plains, where the soil is iumpregnated with ealine matter. Some patches of wheat, burley, durrha, maize, and other grains are cultivated, hut not enough for ths consumption, though two erope aro ohtained yearly; fax is cultirated at Mourzuk, as are also figs, watermelons, vines, pomegranates, dce in orchards; onions, paraley, and other vegotablos aro likewise grown. Cultivatiou is carried on without much skill or industry, hut a rudely managed irrigation is practised. Goats and asses aro reared iu great numbers; cows, sheep, horses, aud camels are not so numerous All theso animals feed on dates or their krruels
Fezzan is very thinly peopled: from the most recent estimates founded on the trihute returns of the Turkish authorities, it does not uppear to contaiu more than 26,000 inhahitante, who occupy the litfle oases scattered over this wide tract of half-desert country. Kichardson sajs that the iuhabitauts of Fezzan consist of the "three varicties of the human race which orerspread all Central Africa, namely, the Arabs and Moors, the Touaricks, and the Negroes -and these all mixed and hlended together of all shades of colour, stature, and configuration. The Ambs and Moors abound this side [uorth of] Mourzuk. Sehhnh, and Zeghon are all Arabs and Moors The Touaricks are found in the Wadi Gharbi, and are oceupied chiefly in a pastoral lifu leading their flocks through open deserts. The Negroes hegin at Mourzuli aud extend south in all tho districta of Fezzan as far as tho T'ibboos." They are all Mohmmedans, and commonly use the Arahic language, except iu the uost southern districts where the Tihboo and Bernou languages are spoken. Until recently they were governed hy a native chief who assumed the title of Sultan, and exercised dempotic power, though nominally depremlent on the Bey of Tripoli. In 1842 the Turks taking adrantage of a dispute reapecting the succession, demanded the acknowledgment of Turkish supremacy. This being refused, they sent an army to tako possession of tho comery: The sultan of Fezzan, Abd-el-Geleel, being defented and forced to surrender; was gut to death, aud Fezzan has since remained a Turkish pashalic.

The inhahitants formerly depeuded to a great extent on the caravaus which passed through the country, but this trade has boun almost wholly lost, and Fezzan has in cousequeuce hecome greatly imporerished and depojulated. The oases are capahle of jlelding an ample supply of the necessaries of life, hut cultivation is neglecterl, and several oases havo heen altogether ahandoned. The rumaficturing industry of the inhabitints is linited to the makiug of coarse hlankets, which form the principal dress of the lower elasses.

Fuzzan is divided into ten districts: El Hofrah, the prineipal and most fertile, is nearly in the ccutre ; it contains the capital, Mourzuk, and several smaller towns; on the vorth are Wadi Ghudwah, contaiuing only the town of the same name; Seblah containing two towns with a good population; Douanees, contaiuing three towns, a consider. able pupulation, and an immase number of late palins; shati, consisting of sunall oases, cael having its little village and plantations of date palms; El Jofrah, the most northern district, containing Sockna, the town next in importance to Mourzuk, and nine or ten smalfer towns; on the enst Sharkeeah, containing the a uciont capital Zuilah, and some villages; on the went, Wadi Ghar-bi very similar in elaaracter to Shati; on the southare Ghartroun and Thjerlyy, containing three amall towus, the inhabitants of which districts are all black. In uative plaraseology liczzan contains 101 towns and villages. Thera are really not more than six or cight places which deserve to be ealled towns, and the villagen, though numerous, have for the uloat purt very few-many of then less than fifty-inhabitants.
Mourzuk, the capital and the resilence of the pasha, is much the inost important town. It is a walled town, about 3 miles in circumference, occupying a slight depression, in $25^{\circ} 54^{\prime}$ N. lat, $14^{\circ} 12^{\prime} \mathrm{k}$. loug., and 420 miles in a direct line $S$. from Tripoli, with a population of nbout 3500. The housen are huilt of sun-dried bricks, and for the most partmere hovels. The castlo has a ruinous appearance; connected with it aro rather externsive barmaks. Since the iurkish occupation, Mourzuk has however been mueli improved, a new uosque lus been erectel, ns well asa gurd-house, and a colonnade to the principalstriet, while the town has been rendered more healthy. Mourzuk was
formerly a aomewhat important commercial town, Fezzan being the most frequented road by which Soodan communicated with the countries along the Mediterranean. From October to January or February numerous cafilas used to arrive at Mourzuk from Cairo, Bengazi in Barca, Tripoli, Gadames, Twat, Boruou, and Soodan; and the neighbouring Tibboos, Tuaricks, and Arabs then visited its market. The traders were accustomed to dispose of part of the produce of their respective countries at Mourzuk, and carry the rest fartber on. This commerce has however greatly declined, owing to tbe preference now given by tbe caravans to tbe route througb Ghat, tbougb many caravans still follow the Mourzuk route, and others trade to Mourzuk from Cairo without visiting Tripoli. Mourzuk is also the mart of many British goods from the Levant; a Britisb consul is maiutained herc. The priucipal articles of traffic from the interior are slaves, senna, and ivory; according to Mr. Ricbardson the value of the merchandise which changes hands bere during the great mart is from 40,000 to 60,000 Spanish dollars. The town is surrounded by gardens and orchards.

Solna, the next most important town, is situated midway between Mourzuk and Tripoli; it is a tolerably built place, the houses being of stone, and contains about 2000 inhahitants, who are nearly all Moors. A good deal of commerco is carried on, the merehants having the reputation of heing richer than those of Mourzuk. Sokna is celebrated for its dates; much grain is grown around tbe town. Houn, in the same district, is anid to be nearly as large as Sokna. Tuelah, formerly tbe capital of Fezzan, and the site of a Roman colony, is now chiefly remarkable for its antiquitics.
(Hornemann, Journey from Egypt to Fezzan; Denham and Clapperton, Narrative of Travels; Richardson, Travels in the Great Sahara; and Narrative of a Mission to Ceniral Africa.)
FICHTELGEBIRGE is a mountain-mass iu Germany, situated between $50^{\circ}$ and $50^{\circ} 15^{\prime} \mathrm{N}$. lat., $11^{\circ} 45^{\prime}$ and $12^{\circ} \mathrm{E}$. long. Its greatest length from north-east to south-west, hetween the towns of Asch and Baireuth, docs not exceed 35 miles; and its average width is about 28 miles.
Tho whole mountain-mass is furrowed on all sides by narrow valleys and glens; its most elevated parts extend in plains, on whicb a few aummits rise in the form of domes. Theso summits form a scries arranged along the axis of the masa from south-west to northcast. Those which attain the greateat elevation are the Kösseine, whicb rises to 3024 feet; the Ochsenkopf, to 3328 feet; and the Schnceberg, to 3424 feet above the level of the sea. The base on which the whole mass rests is about 1700 feet above the sea-level towards the south and west, and towards the east and north about 1800 feet.

The Fichtelgebirgo is the centre, in which three extensive mountaiu ranges unite, and from whicb they may bo considered to issuc. The Erzgebirge begins at its northern extremity near Asch, and ruus off in an east-northeast direction, dividing Saxony from Bohemia. From its nortl-western extremity branches off another range, wbich is first callod tho Frankenwald (or Foreat of Franconia), and farther on takes tho namo of the Thüringerwald (or Forest of Thuringia); the Harz itself may be considered as the most northern branch of this range. Tho third range, whicb is immediately connected with tbe Fichtelgebirge, is the Böbmerwald (or Forest of Bohemia), which runs off in a soutb-eastern direction. [Bomemla; Bavaria; Erzgebirge.]

In consequence of this disposition of the mountain ranges which issue from the Fichtelgebirge, the waters collceted on its slopes run off to the four cardinal points. On its southern declivity rises the Naab, whicb joins the Danube, by which its waters are carried to the Black Sea; the Main, rising on the western declivity, mingles its waters with tbe Rhine; and the Eger, which carrics off the waters from tbe eastern slopes, falls into the Elbe, as does also the Saale, which rises near the northern extremity and runs northward.
The nucleus of tbe mass is composed of granite, gneiss, and micaslate; but on the north-western side it is surrounded by cxtensive beds of clay-slate and grauwacke. Its mineral wealth is not great. It contains extensive beds of iron ore, whicb is tbe only metal tbat is worked on an extensive scale. Copper orc occurs frequently, but always in such small quantities thatit cannot be worked. Gold was formerly obtained by wasbing the sand of aome rivulets. Alum, serpentine, and coal occur in some places in rather large quantitics. In other places there are aome precious stones, as garnets, tourmalins, \&c.

FiESOLE. [Etruria ; Florence.]
FIFESHIRE, a maritime county in the east of Scotland, comprising tho peninsula between the Frith of Forth on the soutb, the German Ocean on the east, and the Frith of Tay on the north, and bounded on the west by tbe counties of Perth, Kinross, and Clackmannan. It lies between $56^{\circ}$ and $56^{\circ} 26^{\prime} \mathrm{N}$. lat., $2^{\circ} 35^{\prime}$ and $3^{\circ} 40^{\prime}$ W. long. Tho outline is very irregular. The lengtb of the couuty from east to west is about 44 miles, and from north to south 18 miles. Its area is 503 sqnare miles, or 322,031 statute acres, of which more tban four-fifths are arable and pasturc, while one-fifth consists of hills, moss, moors, roarls, and woods. The population in 1851 was 153,546 . Fifeshire rcturns ono member to the Imperial Parliament.
Coast-line.-The northern boundary of the county forms the southern bank of the Frith of Tay, along wbich from Newburgh to Ferry-port-on-Craig it extends about 18 miles, On the edge of the
ceoc. DIV. VOL. If.

Frith the ground is nearly level ; farther inland there is a billy range, a continuation of the Ochils, but noue of tbe emincnces attain any great heigbt. In Forgan parish however where the mstuary is narrowed, the coast is bold and rocky. On this part of the coast is the village of Woodbaven, with a harbour capable of accommodating vessels of from 100 to 150 tons. The ferry to Dundee, which was formerly at Woodhaven, is now at the village of Newport, opposite Dundee and about one mile and a balf distantfromit. There is here a ferry pier 350 feet long and 60 feet wide. Eastward of Newport tbe coast continues bold and rocky, as far as the village of Ferry-port-on-Craig, where is a small pier and a regular ferry to Broughty, ou the opposite coast of Forfarshire. Eastward of this village, tbe shore is flat and sandy, and continues so along the nortb coast of tbe Bay of St. Andrews to the æstuary of the river Eden, which is navigable as far as the Guard bridge, a little way from its moutb, where there is a small harbour, which vessels of considerable burden can enter, but at spring tides only, there being a bar at the moutb of the river. Beyond St. Andrews the coast is again rocky, the sandstone in this extreme eastern part of the county running out to the sea in long ridges. Fifeuess, the most eastern point, is situated in $56^{\circ} 17^{\prime} \mathrm{N}$. lat., $2^{\circ} 35^{\prime}$ W. long. The shore is composed of cliffs much worn by tbe action of the waves. Westward of Crail to St. Monaus tbe shore still presents sandstone cliffs to the Frith of Forth. Here are the burghs of Easter and Wester Anstruther, westward of which are the small barbours of Pittenweem and St. Monans. Off tbe coast bere is tbe island of May, with its lighthouse, whicb are noticed in the article Crail. The population of the isle (in 1851) is returned with the parisb of Austruther Wester. The isle is claimed hy the parish of Crail, but it is considered by the Commissioners of Northern Lights not to be part of any parisb. The Bay of Elie, a small but very convenient harbour, is formed hy two promontories in the Fritb, composed of basalt greenstone and trap. The shore on each side of these promontories is low and sandy; as is the coast generally along the Bay of Largo to the mouth of the rivel Leveu, after wbich, turning soutbward, the coast again, in Wemyss parish, preseuts a line of rocks whicl extend occasionally a good way iuto the Frith. On this part of the coast is the small barhour of Buckhaven, and farther south are the more important towns of Dysart, Kirkcaldy, and Kiughorn. Turning Kinghorn-ness, opposite which is the island and lighthouse of Inchkeith, about 3 miles westward is the town of Burntisland, and farther west are Aberdour and Inverkeithing. Tbe coast in the neighbourhood of Aberdour is rocky aud steep. Wood has bcen planted close to the shore, which continues rocky and occasionally sandy westward to Inverkeithing and along the tovgue of land at the extremity of which is North Queensferry. The remaining part of the coast to the westward is generally low. Some of the strata of the great carboniferous formation on whieh this part of tho county rests, crop out at one or two places on the sbore.

Surface, IIydrography, Communications.-In the northeru part of tbe county is a continuation of the Ochils, gradually diminishing in height ss the range approaches the east. Tbe Lomonds, or Lomond Hills, a small rauge about 4 miles long, run nearly parallel to this northern range, in the middle of tbe county. The Eden traverses the valley, or Strath of Eden between these ranges, and the Leven and Orr rivers water the valley south of the Lomonds, formed by the eminences on the shore of the Forth. The Ochils are composed of trap rock. Iu the north-castern part of the county, their elcvation does not exceed 400 feet, but in the extreme west of the county the $v$ reach a much greater height. The Lomouds have tbree peaks called respectively East, Mid, and West Lomond hills. They slopo to the south, and to the north aro generally steep or precipitous, in some places presenting regular columns of trap rock to the view. The West Lomond is said to be 1720 feet above the sea. Tbe other eminences of the county are generally single hills, such as the Largo Law, which is above 900 feet high, and the Brinnarty Hills between Loch Leven in Kinross-shire aud Locb Orr in this county.

Fifeshire is watered by numerous streams, of which the Eden aud the Leven are the chief. The Eden, which rises in the Lomond Hills, flows about 20 miles east and north-east through the central vale, or Howe of Fife, sometimes called Stratheden, past the town of Cupar into the German Ocean. The stream is slow, and of little forco; art however thas made it available for the movement of mills and of powerful manufacturing machinery. [CUPAR.] Red and white trout, pike, and eels are abundant in tbe deeper parts, and salmon aro taken near its moutb. The Leven issues from Locb Leven in Kinrossshire, and taking an easterly direction, receives the Orr Water from Locb Fitty, and flows into the Frith of Forth at the village of Leven. In its course of 12 miles it turns a great many mills for cotton, flax, paper, corn, \&c. The water being very clear and soft is well adapted for hleaching. Before the establishment of bleaching-fields along its banks, it was the best trout strcam in the county. Fine salmon were taken in the loch, and thousands of cels in their passage theneo to the sea. There is still a salmon fishery at the mouth. Many of the numerous small lochs of this county have been drainecl, and tbeir sites have hecome cultivated fields. Several of those wbich remain greatly enhanco the picturesque beauty of the scenery. The Loch of Lindores in tbe north-west is a heautiful shect of water, coveriug 70 acres, with a depth of 20 feet. Loch Fitty, near Dunfermline, is
the next in anaguitude. Thero aro mineral uprings in various parts, particularly two ohalybentes of great repute, near the town of Dykart

About threo-fourths of the county boundary are formed by the oceen and the great restuaries or Friths of the Forth and the Tay. Along this extcrsive liue of coast aro many commodious larbours Steam-bosta ply regularly between the principal ports of Fifoshire and those of the aljnceut counties, especially with lwith on the south and Dundee and l'crill on the north. The principal roads in the county are those which, commeucing at Burntinland and Kinghorm opposito Leith, lead to Perth, Cupar, Sto Andrews, and Dundea.

The Edinbungh and Northern railway runs through the connty frem Furntinland on the Frith of Forth to Ferry port-un-Craig on the Frith of Taj-pnesing on ita route through the towns of Kirscaldy, Dyart, Cupar, \&c The ferries on the Friths of Forth aud Tay are Forked by means of the railway coulpany's steamers

Goology, Mincralogy, dec.-Coal and limostone are found in abundanco in almost cvery part of the county south of the Eien; but they no not found in the upper division, north of that river. Along the shore of the Forth, from Torryburn in the west to Pittenweem in the cest, the strate of coal aro generally regular, dipping to the east and southeent. They terminate on the ono hand at the distance of 2 or 3 miles from the water's edge, and on the other they are continned bencath its Another tract of coal, to the north of this, extends through the higher ground, nearly parallel, from the north of Dunfermline to Leslic, and thence to the jarish of Denino, a little to the south of St. Andrewa The dip of these strata is almost invariably north and north-east. In the irregular hills along the right bank of the Eden the atrata are found in every varicty of position. The collieries are nnmerous, aud employ a large number of hands. The workiug of coal at Dysart is said to haro commenced upwards of 350 jenrs ago.

Limestonc quarries are numernus in the southern districh. The lime-works, 3 miles cast of Torryburn, are pcrhaps the most extensive in Scotland; in the parish of Burntisland, and in many other places, quarries are constantly worked. Ironstone is plentiful, especially near Dyaart, and in the parish of Balgonie. It yields from 40 to 00 per cent. of metal, and several thousand tons are annually couveyed to the great foundry of the Carron Company. Lead mines have been Forkerl in the Lomond Hilla. Frecatone of a superior quality is found in great abunclance south of the Eden, particularly in Burnt. iulaud. Freestonc, well adapted for paving, is quaried in Strathmiglo, and near Duufernline and north of the Lomond Ilills are vast roeks of white freestonc, sumceptible of a fine polish. Along the sides and summits of the uorthemi hille are boulders of the primitlve rocksgranite, greiso, quartz, uica-slate, with garnets and primitive greenGhone, nany of very large dimensions. Whin or greenstone is abundant, especially in the north; it is hard, firm, and durable; and is well ndapted for building. On the shore near Burntisland, aud in some other places, are fouud beds of a hard dark-coloured stone, which ondures exposure to the most interse heat for several years without injury; it is therefore much used for grates and oreus. Marl is founcl, but it is not much used by the farmers for manure. Clay is abundant for making bricke, not only of the common kind, but alno firc-bricks, of au excellent quality. Peat in some parts is plentiful. Agates and very beautiful crystals of carbonato of lime aur] snlphate of harytes arcimbedded in the whinstone recks of Monimail and Jiewburgh; and agater, carnelians, jaspers, aud rubies have been found in tho bed of the Fideu and at Earl's Ferry. Iu the parish of Dyant fomsil trees and other remains have been found.

Climate, Soll, Agriculuure, dec. - The air in genernl is dry, healthy, and exbilarating. Agues aro almont uuknown, and fevers have a comparatively mild character. Along the coast of the Frith of Forth the air in mild and alubrious; but iu the west and uorth-west district, which have greater cleration, with a soil more moist and lese cultirated, the air la comparatively damp and cold. In consequence of the bills of lifeshire lying generally from north-cast to south-west, the valleyw are much exponed to severo easterly and north-easterly wind flut the greatest inconvenlonce experiencod in this county, an in every part of Scotland, is nceasioned by tho frequent sudden changes In the woather.

The suil in of various klorle. In the mont fertile districts it consists princijully of a rich lonm; in the poorer tracts it is mostly a wet clay, neating on a cold berl of till. A level tract of deep, rich, and very fortile ionm extends from cant to west aloug the wholo sonthern ide, variog In width from 3 mile to I mile from the shoro of the Erith of Forth. It prorluce luxuriant crops of all tho common kinde of grain and vegetables. A wido otrip of land cxtending from the towu of St. Andrew to the extretsity of the couuty northeweat of Dusfermline, consiuts of wet elay, with mome moor, and rocky hille. The weotern and nortlowestern parts are aloo of little agricultnral value, being partially covered with barren moor, and heathy mountain land. The ralloy drained by the liden commences at the mouth of that river and extends to the bosters of Perthahire. From Cupar westward its width is from 3 to 4 mlles. It woil veriew ln different perts from a light friabie and mandy mould to a strong and lieavy loan, but the whole is genornlly well cultivated and rery productive.
The northeru vide of the county along the Frith of Tey cxhibiti a
series of racky hills partially covered with furze, but intersected by numereus fortio valloys and carefully cultivatod slopes.

Fifeshire is well cultivated, has an unusual proportion of gentlemen's seats and plastations, and its coast in thickly studdod with villages and towzas. There is little natural wood. The plautations are numerous; and the timber, which in mostly aged and raluable, consists of ash, elma, boech, fr of different kinds, limes, chostuut, syca. moro, and onk. Many hundred acres of waste land have been planted with forsst-trees. Owing to the number of opulent proprictors who reside on thelr eatates in Fifeshire, gardens are uumerons, extensive, aud well suaunged.
Four-fifts of the county are srable. Farms vary in extent from 50 to 500 acres: the average 2 may bo about 120 aeres. Iroperty in land is perhaps more equally livided, and distributed among a greater number of proprietors than iu any other county of Scotland. The rumal dwellings and farmsteads were iu the end of the last century of the most wrotched description. The farmers lived in low, smoky, badly-lighted cottages, without any interior divisions except those made by the furuiture. These lave been replacod by neat and commodious houses; and the farm-offices, which formerly were awisward and filhy, luave giren place to greatly-improved structures. By far the greater portion of the couuty is iuclosed, and tho fences cousist either of stono dykes or thorn hedges. Driuage having been very extensively and effectually executed on tracts of flat and swampy Innds, has greatly improved both the productivencan and the health of the county. The sites of several considerable lakes uow bear fine creps of graiu.

The principal crops are of oats, wheat, and barley. As oats are more gencrally mapterl to the soil aud climate, the cultiration is more oxtensive than that of auy other kind of grain; nud though the poorest families now eat whenten bread, oatmeal is still uuch ueed as an important article of food. Barley ls raised to some exteut; the meal of this grain is used for bread among some of the poorer class of labourers, wlio sometimes mix it for this purpose with pea and oato meal. Wheat being adapted only to some parts of tho soil, and requiring more care and expense than oats and barley, is not extensively raised; the crops however are geuerally very good. The exportation of oata, wheat, and barley is carried ou chiefly at the port of Kirkcaldy. Peas and beans thrive best in the uorthern and southern districts. Of potatoes a sufficicut quantity is planted on every farm for tho tenant and his cottagers, aud abundant supplies are raised iu the vicinity of every town aud village. Some cargoes of potatoes aro exported to the London and other markets. Turnips are extensively used for fattening cattle and feeding mileh cows aud young stock iu slieds. Flax is an important crop iu lifeshire; the produce is consumed iu the lange linen manufactures of the county, principally at Dunfermline. Ryo, cabbage, colewort, kail, tares, and carrots are cultivated to a small extent.

The county has been long distingnishod for the excelleuce of its breed of cattle. The prevailing colour is black, thongh in the true county breed every rarioty of colour is fonnd. They aro hardy, floet, travel well, are taune, and fatton quickly. The cows aro of high ropute iu the dairy. Sheep are uot numerous. The flock are chictly of tho Cheriot brecd. Ilogs are kopt by all the farmers and cottagern. The breed of horses las been greatly improved. Poultry and pigeons are abundaut. Modern improvements in agricultural inplements are adopted thronghout tho county. Thrashing-machines, some of which are driven by stcam, iron plougha, $\& c$, are in common use. Lenses are geuerally for 19 years There are severnl active agricultural societies in the county. Most of the indigeuous and other animals of Britain, wild and tamc, are found. Gaus-hirds are abundaut, and the lochs are visited by wild geese, duckn, teal, and occasioually by wild swans. Among the rarer birde are the Bohemian and silken chatterers, the siskin, kingfisher, and passenger-pigeon.

Industry, dec.-Small breweries and distilleries for the manufacture of malt liquor aud malt spirits are numerous. The manufacture of sca-salt has loen ostablished iu Fifeshire for several centuries, chiefy at Dysart, Kirkcaldy, aud other places on the const. The prorluce of the coal-fields in the western parishes of Aberdour, Dalgety, luverkeithing, and Dunfermline is vory considerable. Ox and cov-lides, calf-skins, and some seal-skins are tanned and dreased at Kirkcaldy, Cupar, Auchtermuehty; and Falklaud. The nannufacture of lineu employs a much largor number of lands than any other manufacture in tho county.

Besides considerable nalmou-Gisherice in the rivers Leven and liden, and at Newburgh, the herring-fisheries along the northenstern, eastern, and southern coasts aro extensive, and large exportations of the produce are madc. Cod, turbot, haddock, and the other commou species of sea-finh are taken off the oastorn const and conveyed to the market of Eilinburgh.

The shippiug belouging to the small ports of Fiferhire conaists chiefly of brigs and sloops for the consting trade, as the coutiguity of the groat ports of Leitls and Dundee affords the conveuicnee of steam convoyance to London and other distant places. Numerous vessels, principmlly belonging to Kirkcaldy, ano ongaged in the Baltic, American, and Australian trade, and a fow aro employed in the Greenlaud whale fishery.

Divisions, Toxene, dec.-The county is divided into 61 pariahes. For
ecclesiastical purposes it is divided into four presbyteries, namely, St. Andrews, Cupar, Kirkcaldy, and Dunfermline, forming the provincial synod of Fife. According to the 'Census of Religious Worship and Educatiou,' taken in 1851, it appears that, so far as was ascertained, there were then in the county 219 places of worship, of which 77 belonged to the Established Church, 49 to the Free Church, 45 to the United Presbyterian Church, 12 to Independents, 9 to Baptists, 7 to Episcopalians, 3 to Roman Catholics, 3 to Mormons, and 14 to other bodies. The number of sittings provided in 199 of these places of worship is stated to be 91,377 . The number of day-schools in the county for which returns were received, was 285, of which 173 were public schools with 17,208 scholars, and 112 were private schools with 5937 scholars. Of evening schools for adults there were 19, attended by 263 males and 176 femalcs: of Sabbath schools there were 183, with 14,753 scholars. Of these schools 53 belonged to the Established Church, 47 to the Free Church, and 37 to the United Presbyterian Church. Of literary and scientific institutions the county possessed 7 , of which 5 were returned as having an aggregate of 483 members.

The county town, CUPAR, and the other principal towns, DUNFERMfine, St. Andrews, and Kirkcaldy, East and West Anstrutaer, Burntisland, Crail, and Dysart, are noticed under their respective titles. Pesides these, the royal burghs which' are also sea-ports are Inverkeithing, Kilrenny, Kinghorn, and Pittenweem; but they have greatly declined from their ancient prosperity, owing partly to the loss of their original exclusive privileges of trading, partly also to the union with England, after which all the towns on the coast of Fife experienced more or less depression and loss of trade. Auchtermecury, Earlsfcry, Falkland, and Newburgh are also royal burghs.
Earlaferry, population 436 in 1851, a roral burgh from time immemorisl, is situated on the shoro of the Frith of Forth, about 9 miles S.E. from Cupar. There are a town-house and a jail, but the placo is gencrally regardel as a part of Elie. The burgh is governed by 2 bailies and $\frac{1}{i}$ councillors.

Elie, a burgh of barony, population 732, is agreeably situated on the shore of the Frith of Forth, and is resorted to in summer by the iuhabitants of Edinburgh for sen-bathing.
Falklanel, population of the burgh 1330 , about 8 miles S .W. from Cupar, was made a royal burgh by James II. in 1458. It is now governed by 2 bailies and 10 councillors, of whom one is provost. The town still possesses several old houses which were occupied by the household of James VI. The palace will be noticed later in the article. Two streets in the town are named Parliament-square and College-close. Tho inhabitants are chiefly hand-loom weavers.
Inverkeithing, population 1852, a small market-town and sea-port about 4 miles S. F. from Dunfermline, is situated at the bottom of a bay which affords an asylum for large vessels lying in Leith Roads. The town consists chiefly of one streot. William the Lion granted a charter to Inverkeithing as a royal burgh. James I. resided here. The burgh is governed by 2 bailies and 10 councillors, one of whom is provost; and, in conjunction with Culross, Queensferry, and Stirling, returns one member to the Imperial Parliament. There are exports of coal and stone from the interior, and of whisky, firebricks, aud magnesia manufactured in the town. There is here a ferry across the Forth, and steam-vessels regularly call at the port in passing up and down the river. The provost of Inverkeithing was in ancient times entitled to ride next after the provost of Edinburgh at the opening of the Scottish Parliament.

Kilrenny, population 1862, situated a short distance E. from Anstruther, was at one time a royal burgh, sending a representative to Parliament, but since $16{ }^{5} 2$ it has been a burgh of regality. By the Act $15 \& 16$ Vict. cap. 32, the burgh is placed uuder the government of 2 bailies $n$ nd 7 councillors, one of whom is provost. About 100 fishing-bonts, of from 10 to 20 tons burden, belong to the harbour. Kilrenny unites with St. Andrews, the two Anstruthers, Crail, Cupar, and Pittenweem in returning a member to the Imperial Parliament.

Kinghorn, population 1568 , a rojal and parliaroentary burgh, is situated on the shore of the Frith of Forth, opposite Leith. The burgh is governed by 2 bailies and 7 councillors, of whom one is provost; and unites with Kirkcaldy, Burntisland, and Dysart in returning one member to the Imperial Parliament. The harbour is small. Some fishing-boats belong to the place, and steam-vessels and coasters call when the tide permits. The town-house and the burgh school are handsome buildings. Besides the parish church there are a Free church and a chapel for United Presbyterians. There are here extensive flax-spinning mills. The houses are well-built, and the streets are clean and well-paved. Near the town is a precipitous rock, over which Alexander III. was thrown from his hoise and killed.
Newburgh, population of the burgh 2638, a royal burgh and markettown, is situated on the northern shore of the county, near the junction of the rivers Tay and Earn, which form the Frith of Tay. The inhabitants are chiefly engaged in the weaving of dowlas sheetings. The corn-market is well attended. Several vessels engrged in the coal-trade belong to the port. The harbour is formed by geveral piers runfing into the Tay. The town is well-built, and it is lighted with gas. The church and the town-house are handsome structures. There are two chapels for United Presbyterians. The town was made
a royal burgh by Charles I. Near the town are fragments of an aucient cross in honour of St. Magridin.

Pathhead, population 3977, a burgh of barony, forms part of the parliamentary burgh of Dysart.

Pittenweem, population 1450, a royal burgh and port on the north shore of the Frith of Forth, adjoins Anstruther, from which it is about a mile westward. It is a member of the St. Andrews district of parliamentary burghs, and is governed by 2 bailies and 10 councillors, of whon one is provost. The town consists of two principal streets and several cross streets. The parish church is an ancient structure. The town is clean, and the houses are neat and substantial. Fishing and fish-curing are the chief occupations of the inhabitants.
The following villages and small towns may here be briefly noticed : - Abbotshall, population of the town 4342, forms part of the parliamentary burgh of Kirmcaldx. Abdie, population of the parish 1486, is situated near an inland lake called the Loch of Liudores. A stream from the loch is used to drive saw-mills, boue-mills, and othermills. Near the village is a hill called Norman's Law, 850 feet in height, which has on its top a curious fortification of three concentric circles of stoue. The stone-circles have been attributed to the Danes. Alderdow?, population 1945, a short distance W. from Burntisland, possesses a small harbour. The inhabitants are chiefly engaged in handloom-weaving. The village is resorted to in summer for sea-bathiug. Balgonie, populatiou returned with Markinch parish, is noticeable for its ancient castle, to which reference is made elsewhere. The inhabitants are chiefly employed in the extensive flax-spinning mills in the neighbourhood. Balmerino, population of the parish 945, is believed to have been a seat of the Culdees, who were succeeded by a body of Cistercians. Of the Cistercian abbey, which was an extensive building, $a$ few ruins still remain. Somo of the inhabitants are engaged in weaving for Dundee manufacturers and others iu salmon-fishing. Buchkaren, population 1769, situated on the shore of the Frith of Forth, about 8 miles N.E. from Kirkcaldy, is inhabited chiefly by fishermen. For the improvement of tho pier and harbour, constructed originally by their own contributions, the fishermen have collected among themselves about 30002 . -an effort which the Board of Fisheries rewarded by making a grant of public money in aid of the work. There is here a chapel for United Presbyterians. Charlestown, or Charleston, population included in Dunfermline parish, is situated on the shore of the Frith of Fortll, and has a small harbour, at which the produce of the neighbouring limeworks is shipped. Numerous fossils have been found in the lincstone. Colinsburgh, population returned in Kilconquhar parish, situated about 3 miles $N$. from Elie, possesses a weekly market well attended by the neighbouring farmers, and two annual fairs for cattle. There is a large establishment for currying leather: Dairsie, population of the parish 708, contains the ruins, which are still well preserved, of Dairsie Castle, where a parliament was held in 1335. The parish church was built by Archbishop Spottiswoode in 1615. The iuhabitants are chiefly occupied in flax-spinning. Dalgety, population of the parish 1513 , contains extensive coalmines and salt-works. The old village of Dalgety has been removed, and the site included within the inclosures of the Earl of Moray. The produce of the mines is shipped at St. David's, which is within the parish. Donibristle Castle, the sceue of the murder by the Earl of Huntly of the Earl of Moray, son-in-law of the Regent Murray, is in the parish of Dalgety. David's, St., a convenient harbour, situated a mile aud a half N. by W. from North Queensferry, with 17 feet depth of water, admits vessels of 500 tons. Coal is shipped in great quantities, the collieries in the neighbourhood being very extensivo. There are also large salt-works. Ferry-wort-on-Craig, population 2051, is a neatlybuilt village on the south shore of the Frith of Tay. The inhabitants are chiefly engaged in handloom-weaving for Dundee manufaeturers. It contains a Free church and a chapel for United Presbyteriaus. Gallatown, or Gallowtown, population 1436, is a village situated about 2 miles N.W. from Dysart, and forming a part of Dysart parish. Largo, population of the parish 2800, is situated in Largo Bay, aud is much frequented for sea-bathiug. There are flax-works and a salmonfishing station. The steamers of the river call here, and there are a few small trading vessels belonging to the village. It contains several partly-endowed schools, the parish church, chapels of the Irree Church and the United Presbyterian Church, a small hospital, a savings bank, and a library. Leslie, population 1342, situated about 11 miles S.W. from Cupar, is inhabited chiefly by weavers and persons employed in agriculture. Besides the parish church there are two chapels for United Presbyterians, and a Free church. Leven, a burgh of barony and port, situated at the mouth of the river Leven, at the western extremity of Largo Bay, cunsists of two parallel strects and several lanes: population of the village 2083, chiefly employed iu liuenweaving. The harbour is a natural onc, but is beiug gradually improved. It admits at high tide vessels of between 300 and 400 tons. One or two vessels in the Americau trade aud several coasters belong to it. The town is cleaned and lighted by tho police board ; the parish contains a fouudry, and several flax and other mills. Limekilns, population included in the parish of Duufermline, is a small port from which the produce of the neighbouring lime-quarries is exported in considerable quautities. Several vessels belong to tho port. The United Presbyterians have a chapel here, Markinch: population of the parish, 5843. Besides the village of Markinch tho
prish contains the villages of Mitton and Thornton, each of which has a chapel of ease. Resides the parish ehurch there are chapela of the Free Church and the Unitod Presbyterians. Coal is extenaively wrought, and there are aeveral paper mills, woollen, linen and flax mills; aleo evernl bleach-Ields The Lovon nuld Orr rivera, which travers the pariah, supply water for the varions manufacturea Surkinch was a soat of the Culdees. Monanz, St., a burgh of barony in the parish of Abercromble (formerly called St. Monans), on the 110rth shore of the Frith of Forth: populatiou of the village 1241, who are chicfly omployed in fishing sad fislu-curing. One or two consting veasels belong to tho harbour, which has a long pier and 20 foet dopth of water at high tides. The burgh has a hnndsome ehurch erected not many years ago, the former one, sajd to have been built by David II., having become ruinous. There is also a prison. The npot occupied by St. Monan's cell is still pointed out. Pettycur, a village sitnated on the cosst a short distance S. from Kinghorn, possemee a harbour and a small shipping trade. Strathmiglo, population of the parish 2509, about 10 miles W. by $S$. from Capar, is a large village, tho inlasbitants of which are chiefly occupied in linen-weaving. Fast Wemys, $n$ villige with a population of 802 , and Heat Wemyss, a burgh of barony, population 1013, are situated about a mile apart, on the mhore of the Frith of Forth, about 3 miles N.F. from Dysart.

Ifistory, Anfiquitics, dec.-In aucient times Fife was one of the most cultivatal and improved, and at the same time the most warlike of the Scottish counties. It was frequently styled the 'Kingdon of Fife' Falkland and Dunfermlino were royal residences. But the county does not appear to have been the scene of any events of national importaces except those which occurred during the earlier part of the Scottish Reformatiou, aud whieh are more properly referred to in treating of the different localities in which they occurrod. The county contains a great number of ancient edifices now either fallen or falling into decay. Some of these ruins are striking monuments of the taste and opulence of the feudal and monkish builders. [St. Andrews; Denfermline] Near Newburgh, in the middle of a large aud fertile field, rising gently from the Tay, stand the ruins of the ahbey of Lindores, founted by David, earl of Huntington, iu 1178, in commemoration of his taking Ptolemais, in the Holy Laud. It was one of the most richly endowed monasteries in Scotland. Stately fruit-trees rise from the floors of its halls and lofty aisles, interspersed with ivy, hazel, aud wild flowers of various and brillinnt hues, which cling to the mouldering fragments of the walls. Tho whole produces a very picturesque effect. In the same neighbourhood are the remains of two very cirious ancient erosses. One, called the Cross of Mugdrum or Magridin, consists of a pediment or plintls, With as upright abaft adorned with singular sculptures of animals and scrolls. Many similar crosses, found in this and the adjoining counties, are traditionally assigned to the age of King Arthur. The other is the famous cross of Macduff, on the Ochil Hills, overlooking the beautiful valley of Strathearn. It now consists only of one large block of freestone, forming the base of a sculptured shaft, which, in 1559, was deatroyed by the Reformers on their way from Perth to tho abbey of Lindores, It forms the subject of w well-known puem by Sir Walter Scott. Besides that of Lindores there are remains of the ahheys of Inehcolm and Balmerino, the priory of Pitteuweem, and other coclesinstical buildinga. The large palace of Falkland deserves notice as one of the seats of the Macduffs, thnnes of Fife. James V. greatly enlarged it, and made it a roynl residencc. The south front is yet entiro and partly inhabited. In the parish of Monimail stands an old tower, known as Bethune's or Beaton's Tower. It formed part of the palace of the archbishops of St. Andrers, and in 1560 wa the residence of Cardinal Leaton. The castle of Rosythe, near Inverkeithing, stands on a rock surrouuded by the sea. It consists of a large square tower in the inidst of the ruins of an extensive pile of buildinga Sculptures and inscriptions remain on some of the interior walla, The castle of Loch Orr stands in the middle of the loch, in the jarish of Kalingry. It wns built in the time of Mulcolm Caninore, and consints of a tower and other buildings surronuded by a strong wall. The ruins formell $a$ benutiful object in the lake before it was drainod. Scafield Tower in an old ruin on a rock by the shore, in the prrinh of Kinghorn. The cantle of Ravenscraig stands also on "frecipitous erag projecting into the sea in the parish of Ussart. It wes lnliabited in the time of Oliver Cromwell. Macluff Chatle at Eant Wemyer stands on a high cliff overlookjug the sea. Two square tower and a portion of the gurrounding wall still remain. Craig lall, in the pariah of Ceren, ls an extensive ruin on the bank of a beautiful glen filled with luxuriant trees. In the eame parish is Tarvet Tower, an old fabric of hewn stonc, 24 feet square and 50 feet high. It stand on elcrated ground, and in seen at a great distauce. It appeara to liare been a place of refuge and defence. Balgonio Castle, in the parish of Msrkinch, is a fahrie of great autiquity and strength. It standa on the right bank of the river Leven, about 40 feet above the water. The ruin of the towor of Balwearie, in the parinh of Abbotahnil, are intorenting, as laving beon the remidence of the famous Sir Michacl Scott. The wall aro nearly seven feet thick Numeroun other remain of the feurlal timen will be found described in the 'New Statistical Account of Scotland.'

In this connty aro also found a remarkable number and varicty of the veatiges of the Caledouian and Ijetinh ishabitants, and of their

Roman and Danish invaders, ancient military forts and mounds of encampment, stouo circles, cairns, tumuli, barrorss, stoue coflius, Celtio sopulchral urns, spear aud arrow heads of flint, swords and battleares of brass and bell-metal, Romnu and other coins, weapons, \&c. A cairn opened a few years ago in tho parish of Scoonie, contained, hesides a large quantity of loose humau boues, 20 stone coffins, formod with rough slabs cemented with clay. They held some mouldering skeletons and stnall urns filled with calciued bones. In the parish of Leuchars an urn, containlug about 100 perfectly preserved silvor coins of the Roman emperors, was tumed up by the plough. Part of the church in this parish was built about the year 1100 , and exhihits the most interesting specimen in Scotlaud of Norman architecture.

In 1852 the county possessed four savings banka, at St. Andrews, Cupar, Dunfermline, and Kirkcaldy ; the tutal amount due to depositors on 20 th Norctnber 1852 was $69,521 \mathrm{l}$. 4s. 4 d .

FIGEAC. [lot.]
FIGUPIRA. [BEIRA]
FIGUERAS. [Cataluãa.]
FiNALE [Albenga; Modesa.]
FINCILLEY. [MidDLESEX.]
FINISTERE, or FINISTERIR E, the most western departneut in France, comprehending a part of the former duclyy of Bretague, lies hetireen $47^{\circ} 44^{\prime}$ and $48^{\circ} 47^{\prime} \mathrm{N} . \operatorname{lnt}$, $3^{\circ} 22^{\prime}$ and $4^{\circ} 50^{\prime} \mathrm{W}$. long. ; and is washed on the northern, western, aud southern sides by the Atlantic Oceau; on the cast it touches the departinents of COtes-du-Nord and Morbihan. The greatest leagth from north to south is 78 miles from east to west 63 uniles; but the average width does not exceed 44 miles. The area of the department is 2593.8 square niles; the population in 1851 was 617,710 , which gives $238 \cdot 14$ to the square mile, being 63.43 below the average per square mile for the whole of France. The department is uamed from its comprising within it the extreme point (Finis terre) of France towards the west. This point is the Cape $S t_{0}-$ Matthieu, on which there is $a$ small chapel called Notre-Dame fin de terre.

A number of islands and rocky islets lie off the coast. The most important of these are the isles of Bas and Ouessant. Bas has been already uoticed under its proper head. [Bas] Oucssant, kuown to the Romans by the name of Uxantis, and called by the Finglish Ushant, is 13 miles from the mainland, from which it is separated by the Passuge du Four. It is about 18 miles in circuit, and fertile; but the coasts are rocky, precipitous, and very difficult of accoss. Horsen and shecp are renred. The population, which is of unmixed Celtic descent, amounts to about 2300 , many of whom are pilots and fishermen. They speak the purest Breton, which is a dialect of Celtic. Besicles the village of St. Michel, there are ou the island several haulets, a strong castle, some druidical struetures, and a lighthouse of the first class, The French and English flects, uuder Count d'Orvillers aud Admiral Keppel, respectively fought a bloody aud undecided battlo off Ouessant in 1778 . The group of the Bulances and the islo of Beniguet lie between Ouesant and Cape St.-Matthieu, at the entrance to Brest Ifarbour. Sein, a low, barreu, aud rocky island, ncarly 2 miles W. from Capo Raz, is inhahited by fishermen. The Glenans is a group of uine islets on the south const, opposito Cape Trevignor.
The department presents to the sea a bold barricr of granite rocke, at the foot of which there are here and there extensive sauds and beaches. The coast line mensures above 360 miles, reckoniug all its wiudings : it is indented hy a great umber of bays aud inlets, correspondiug to an equal number of vallejs or depressions in the land, out of which flow as many rivers or brooks. The largest of these inlets are those on the west eonst, forming the harbour and ronds of Brest; the Bay of Douarnenez, famous for its pilchard fishery; the Bay of Audiernc, south of Raz Poist; Benodet Bay, south of Quimper; and farther enst the Bay of Forêt. On the northern coast there are many small bays and inlets : tho largest is the roadstead of Morlaix, which is admirahly sheleered, hut is difficult of access in consequeuce of islets, rocks, and ledges with which the appronches are incommoded. The coast is dangerous to marincrs, nud exposed to great storms from the south-west. Lighthouses aro built on all the principal headlands. The interior of the department is hilly; two offshoots of the Armoric rauge [CôTEs-DU.Nond] cover a great part of the surface, namely, the Arro Mountains in the north, and the Montagnes Noires in the south; but they nowhere exceed 900 fect iu beight.
The rivers are very nunerour, but their course is short. The most important aro- the Aulne, which flows from COtes-du-Nord westward, past Chatenuncuf and Chateaulin ; from this last town to its entranco into Brest llonds it is a tide river and navigable; its prineipal feeders are the Lileze, the Doutine, on the right bank, aud the Midre onl the left: the Eilorn, which also enters the Brest Roads, and forms the harhour of Landerneau; the Odel, which paswes Quimper, where it receives the Benodet, and becomes navigable to lts mouth in the Bay of Benodet; and the Eille, which enters the south-eastern augle of thls department froin that of Merbihnn, reccivea the Isok, or Issole, at Quimperle, whence, to its entrance jutw the lay of Jiscay, It seprraten Morbihan from Finistere. The Elld below Quimperld is sonce timen ealled the river of Quimperle. The scenery along these rivers is cxcecdingly beautiful, and in mont of them there is good trout. fishing.

The department contains $1,660,032$ acres. Of this surface 675,141 acres are arahle, 101,094 are natural pasturage, 84,524 are covered with woods and forests, 24,797 are laid out in orchards, nurseries, and gardens, and 658,681 consist of heath and moorland. The hest soils are near the coast or in the neighbourhood of the rivers. The old district of Léon, which forms the western part of the arrondissement of Morlaix, is the hest soil in all Bretagne ; but the eastern part of the arrondissement, which is called Tréguier, is poor and ill-cultivated. The arrondissement of Brest comprises some very fertile lands; a remarkahle breadth of land is appropriated here to the growth of strawherries. With the exception of the canton of Pont-1'Abbé, which consists of excellent well-tilled soil, the arrondissement of Quimper has hut little good land. The arrondissement of Quimperlé is a pretty and well-wooded country, but the soil is in general light. The most unproductive part is the arrondissement of Chiteaulin, which consists almost entirely of vast moors and heaths. Here, the people being for the most part shepherds and cattle-breeders, sheep, horses, oxen, and cows, all of the Breton breed and small, form thcir chief wealth. Almost the only crop raised in this district for the sustenance of man is black oats; and whenever this fails the district is visited by famine.

It is not unfrequently said that the state of agriculture in this department is backward; hut this is not exactly correct, the land under crops is in almost every instance well tilled, however unscientific the method may be. More of the land might he cultivated it is true; but the cause of this apparent neglect is want of capital. Notwithstanding this drawback, and that more than a third of the surface consists of nothing hut harren heath and hungry inoor, the department is made to yield more wheat and rye than are required for consumption for a tolerably dense population. Barley, oats, huckwheat, great quantities of peas and beans (which form a large part of the food of the peasantry), and kitehen vegetahles, are also grown. Other objects of cultivation are flax, hemp, tobacco, and cider fruits, yiclding annually about $1,540,000$ gallons of cider. The fields are generally divided by hedge-rows, in which oak, ash, whitethorn, and broom flourish. Besides the animals hefore mentioned, great numhers of excellent pigs are bred. Bees and game (deer, wild boars, partridges, \&c.) are ahundant. Eels, trout, salmon, lohsters, and oysters are plentiful; but the pilchard fisheries along the coast afford the most profitable occupation to the Breton fishermen. In this pursuit more than 1000 vessels of small size, and ahout 4000 men are employed, and a gross annual value of $2,000,000$ francs is obtained. This includes the value of the cnormous quantities of the commpn pilchard ( $4,400,000 \mathrm{lbs}$ ), the anchovy pilchard, caught off Coucarneau in Forêt Bay ( $1,100,000 \mathrm{lbs}$.), and a large quantity of oil pressed from fish which are not cured. These fisheries form an excellcent nurscry for the French navy, which draws its best seamen from Bretagne.
Iron, coal, lead, bismuth, and zinc-mines are worked. An excellent stone, easily worked, and capahle of resisting the actiou of the weather, is found at Daoulas and one or two other places near the Brest loads: it is of a light green colour, and when worked presents the appearance of hronze. It is called 'Kersanton' stone, and of it several of the churches in the department are huilt. Granite, marhle, building stone, and slates are quarried; potters'-clay, kaolin, and whetstones are found. There are cold mineral springs at various places in the department. The manufactures consist of sailcloth, linen, soda, soap, seed oil, candles, ropes, pottery, paper, leather, refined sugar, litharge, and tohacco. Ship-huilding is carried on at Brest and in most of the towns on the coast. The commerce of the department is composed of the various products already named, and of wine, hrandy, beer, Dutch cheese, hutter, salt, and colonial producc. About 450 fairs are held. Roadway accommodation is afforded hy ten royal and five departmental roads. A railway is in course of construction from Paris to Brest through Chartres and Rennes, which is now (June 1854) open as far as Le-Mans. A section of the canal from Nantes to Brest traverges the arrondissement of Châteaulin.
The climate is damp and foggy; the average numher of days on which rain falls is 220 ; sometimes the rain falls almost without cessation for weeks together. Frost and snow are rare. Fine days are few even in summer; and in the same day one may experience the climate of the four seasons, so great is the variation of temperature. Storms are very frequent along the coasts; and nowhere in the world are the terrible sublimities of a raging sea seen to greater advantage than near the village and promontory of Penmarck, at the junction of the Atlantic with the Bay of Biscay; the sound of the waves dashing against the rocks is often heard to a distance of 12 and 18 miles inland. The prevailing winds are the west, south-west, and north-west.
The Bretons are an intercsting people, strongly attached to the Catholic religion, to their old customs, and to their language, which is a dialect of the Celtic ; hospitable, humane, and courageous enough, but easily excited to anger and to quarrel. Many of them understand French, but few of them speak it. They are imaginative and superstitious, the air and all the other elements are peopled by millions of genii, every field has its fairy, every buried treasure its guarding giant, every well its sprite and healing qualities. The song of birds, the howling of doge, the distant roar of the ocean, are cach
invested hy the imaginative peasant with a power of communicating future good or ill, according to circumstances. All the members of a Breton family (we here speak of the mass of the peasaut class) eat at the same table, the master of the house commencing first, next his male children and men-servants, then the wife, daughters, and female servants. In everything the men take precedence of the women. The labourer's food is porridge, or stirahout, a sort of thick soup made of oatmeal, harley-hread, or hread made of barley and wheaten meal mixed; meat they seldom get. The hahitations of the peasantry are mostly long, narrow, smoky huts, with a single window, and divided hy a frail partition into two apartments, one of which is occupied by the man of the house, his wife, children, and it may be his grandchildren; the other contains the cows, calves, pigs, and other animals of the farm. Two large cupboards without doors, consisting of two stories, and separated into several small apartments or berths, which are strewed with hay or straw, form the sleeping places of the whole estahlishment. Feather-hed or mattrass is equally unknown ; a blanket is rare, the most usual night cover being a cloth made of coarse tow-yarn, or sometimes a piece of haircloth. The men, who in general wear their hair long, are dressed in hroad-hrimmed hats, short waistcoats, hreeches of vast size, gaiters, and sahots; in some districts they are wrapped up in goat-skins. The costume of the women is in general neat and attractive. In connection with the Breton churches, many of which are fine structures, there are 'reliquiaires,' or hone-houses, into which the hones of the dead are gathered after a certain number of years hy the surviving relatives, and in which the skulls, each marked with the name or initials of its former owner, are arranged on shelves open to view. The department contains many druidical remains.
The department is divided into five arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Quimper | 9 | 62 | 117,489 |
| 2. Brest | 10 | 85 | 204,765 |
| 3. Chateaulin | 7 | 59 | 105,658 |
| 4. Morlaix - | 10 | 58 | 142,863 |
| 3. Quimperlé | 5 | 20 | 46,935 |
| Total | 41 | 284 | 617,710 |

1. In the first arrondissement the chief town, Quimper, which is also the capital of the department, is huilt in a pretty situation on the slope of a hill at the junction of the Eir with the Odet, 330 miles W. from Paris, and has 9664 inhabitants in the commune. The town is in general ill built; hut the more modern part of it contains some good houses. The principal puhlic buildings are-the cathedral, which dates from 1424, and is the largest of the cathedrals of BasseBretagne; the church of St.-Matthieu, an ugly edifice; the church of the priory of Locmaria, which stands at the end of a long and heautiful promenade on the left bank of the Odet, and part of which has stood since the 10th century; the manor-house of Poulquinan, which stands on a height near the last-mentioned church, and is said to have heen the residence of the Breton kiug Grallon. The other remarkable objects are-the military hospital, the theatre, the public baths, the residence of the prefect, and behind it a fine promenade, cut out in zigzag avenues up a wooded hill above 650 feet high, from which there is a very extensive view. The town has tribunals of first instance and of commerce, an ecclesiastical school, and a communal college, held in a large huilding which formerly belonged to the Jcsuits. Vessels of 300 tons come up to the town. The chief industrial estahlishments are potteries, tan-yards, hreweries, nurseries, and ship-huilding yards. The pilchard fishery is actively carried on, and there is a good trade in corn, wine, brandy, honey, hutter, dry and salt fish, iron, wool, hemp, flax, linen, and cattle. Steamers ply regularly from this town to Nantes. Quimper is sometimes called Quimper-Corentin, in honour of its first bishop. It was in the 5th century the capital of the Armoric Cornwall (Cornouailles), whose first king was the famous Grallon. It was first inclosed with walls in A.D. 1209 , hut these were soon dcinolished by the advice of the then bishop of Quirmper. Pierre de Dreux caused it to be surrounded with a terraced-wall faced with cut stone, and flanked with massive towers, which, as well as the ramparts, were surmounted by projecting parapets with machicolations. A great part of these fortifications still exist. In 1344 Charles of Blois took the town by assault. During the wars of the League Quimper took part with Henri IV., but it was hesieged and taken hy Marshal d'Aumont. In revolutionary nomenclature Quimper was styled Montagne-sur-Odet. Among the other towns of the arrondissement we give the following, with the remark that the population throughout is that of the commune :-Brice, 9 miles N.N.E. from Quimper, population 5149. Concarneau, partly on an island in the Bay of Forêt and partly on the mainland, is \& small fortress with 1984 iuhahitants, who aro almost all engaged in the fisheries along the coast, and take from 12,000 to 15,000 barrels of pilchards aud anchovies every year. Doucurnenes, nt the head and on the north shore of the Bay of Douarnenez, has 3646 inhabitants engaged in the profitable fishery of
the bany, the yearly protuce of which is about 35,000 barrels of pilchanis and 15,000 to 16,000 barrols of oil. The inlot of Triatan, Which contains storehouses for the fish, stauds near the town, aud ia defendel by a battery of twelve gume foucsiant, a villago $S$. of Qulnper, and near the sca, hns 3172 iuhshitants. Port-Croir, is miles W. from Qulmper, has an eeclesiavtical sehool and 2175 inhabitants ; it stands on tho top of a high hill, and consiots of $111-$ built houses and steep streets ; there is a splentid view of the storms of the Blay of IBiscay and the Atlantic from this place. Pont-fitbe standes at the head of an inlet from Benodet Ray, and has a good harbour and 3325 inlabitante, who manufacture linen, and trade in wine and agricultural produce.
2. In the socond arrondissemeut the chief tomn is Brest, which is the lngest and mont important town in the departmeut; and is noticed in in separato articto. [Bresr.] Among tho other towns are the following:-Landerneau, a small scapert 15 miles E. from Brest, has 4906 inhabitanta It stands at the mouth of the Elorn, which here forms a harbonr surronaded by hills, high and steep on the left bank of the river, but sloping gradually ou the right bank iuto a plain on which the chief part of the towz is built. The upper town contaius sorne very ancient struetures; a house on the bridge over the Elorn bears the date 1518. The town bas a very agreeable appenrance; clear streams run from the hills through all the streets into the harbour, which is lined with extensive quays. The prineipal buildings are the church of St.-Houardon, the marine hospital, and barrncks. A promenade, nearly a milo in length and well planted, leads from the town to a vast building occupied as a nunnery. The chief manufactures arc leather, linen, and glazed hats. There are also bleaching establishnents, and a good trade in canvass, linen-yarn, pitch and tar, Dutch checeses, corn, horses, de. Lannilis stands 15 miles N. from Brest, in a picturesque couutry watered by the Aber-Benouhic, and has 3124 inhabitants. Lesneren stands on a height that rises from the middle of a fertile plain, 9 miles N.N.W. frem Landernean, and has an hospital and $2 \$ 32$ inhabitants. Near this place is the church of Notro-Damode-Folgont, whieh is built of Kersanton stone, and for the delicacy of its sculptured and carved Work, its beautiful portals and windows, but especially for its magnificent rood-loft, is ackuowleilgod to bo without a parallel in this part of France; it was founded hy John do Moutfort, and finishod under his sou John V., duko of Bretagno in 1423. Plabennec stands on a hill 9 miles N.E. from Brent, and has 3555 inhahitants. Plouared, N. of Brent, has 2214 inhabitants ; on a hill close to it is a 'menhir' or druidical grauite mouolith, which in 43 feet high. Ploudalmezear, 12 miles N . from Brest, contnins some ancient houses of remarkablo construction, and has 3209 inhabitante.
3. In the third arrondissoment the chiof to $\mathrm{F}_{\mathrm{n}}$, Chateaulin, an illbuilt place, with a population of 2758 , stauds in a very pretty country, on the Aulne, which divides it into two parts, and forms a small harbour to which barks of 80 tons go up. On a hill above the river are seen the ruins of the ancient castle of the lords of Chateaulin, which was built in A.D. 1000 by Budie, count of Cornouailles. The trade of the place consiats in cattle, fish, butter, iron, lead, slates, \&c. Ie-F'oos is a small plase at the head of the Day of Brest, with sonse reinarkahly built timber-framed old houses, and a population of 975 . Carhaix, an ill-built town, stands on a high hill above the little river 1lliers, nearly in the centre of Basse-Bretagne, and has a population of 2021 . It is considered important in a military point of view; six great roads leard from it to Brest, Quimper, Chanteaulin, Vanues, St. lirieuc, and Morlaiz. Chatcauneufdurfaou, beautifully situatod on the southern slope of a hill above the Aulne, which hicre winds its way through rieh meadows and turns several coru-mills, has a population of 2536. Crozon is situated on the peninsula, bet ween the llay of Douarnenez and Brest reals; there are caverns near it inhahited hy vast numbers of sembirds. The population of the commune is 8559. Hwelgoat, a amall place, with 1156 inhabitants, and Poullaoum near it, with 3700 lnhabitants, havo rich lead mines and amelting furnaces, which jield $10,000 \mathrm{cwt}$ of lead and 1500 lbs of silver anvally. Jleyben E. of Chateaulin, bas a fine gothie ehurch and 18:2 inhabitanta
4. In tho fourth arrondissement the chiof town Morlaix, a sea-port with 11 , cos lnhabitasta, to very prettily situasted at the foot of two lilhs, and at the junction of the Jarleau and the Kerleut, which throw their watera inte a creek from the Englinh Channol that forms the larbour. V'estele of 300 to 400 tons come up to the quays at fow tiden, whiek rive from 18 to 23 feet; tho cutrance however is very intricato and dangeronn, from the number of roeks and inlets. The river and the harbour divide tho town into two quartera, the side of 1. \&on to the wesh, and the side of Trogaier to the casto In the latter the housen aro almont all ancient and tho streets irregular. The mide of Leon is more regular ; it has a inrge square, aurrounded by handsome modern houses, and in the centro of 1 t, on the sito of the old town-house, which wian demoliched in 1836, stande an olegant strueture occupled by tho tribunals of firet instance and of commorco, the mayor's omoes, and by the linem and corramarketm. Modern struetures have roplsecd many of the curious timberframed houses of the old town; but in parts of it are atill moen facaree ornamonted with sculptures, and alno some very remarkable interiora. The St.-Martin quarter, built on high ground, which is ascended by a groat number
of stops, 18 tho finert part of tho tomn; It has a pretty modern chureh surroundel by fine gardens, from which there is an extensive view. Tho other romarkablo objects aro-tho churchas St.-3atthieu, StMolaino, the tobnceo manufnclory on the hill of Leén, aud the Cours Bauroont, a benutiful promeuado which extends above a milo aloug the harbour. The town has trihunals of first instance and of comtnerce, a college, a school of navigntion, manufactures of linen, oil, and candlos, bevides a considerable trado in butter, corn, secds, hiden, pign, cattle, shcep, horses, lineu, linen-thread, paper, flax, homp, wine, and brandy. It is an eatropot for foreiga produce. Tho winding clinnuel betwoen the town is navigatai by ateamern, and affords much delightful scencry. Mary, queen of Scots, Inniled hero in 1548 ou her way to Paris to espouse the Dauphin. Morlaix was formerly surrounded with walls and defended by a strong custis. Its defeuces Were demolished under Heuri IV. Landriviau, a well-huilt town, atands on a high hill 12 miles $\mathfrak{W}$. from Morlaix on the roml to Ibrest, and has 3217 inhahitants: it is remarkable for its church, whieh has a lofty bell-tower, supported on slender columns; these under certnin aspects are lost to the view of the approaching traveller, so that the tower scems suspended in the air. Lanmeur, an aveient place, with 2750 inhabitauta and two very ancient churches, ono dedicated to Notro-Dame-de-Kernitrouu, which was built about tho middle of the 12th centary and is perfectly proserved, and the church of St.-Mclair, which dates from the early part of the 11th ceutury, and is built over a crypt which belongs to a much earlier period. In the erypt thero is a fino fountain, for which the Bretons have great reverence. Ploucscat, near the coast, has 3314 inhabitauta : noar it are sceu some Druidical stones of great size. Roscoff, a small town on tho coast opposite the isle of Batz or Bas, has a pretty good harbour sholtered by a jotty: the population, which conzists eliefly of smugglers and sailors, ameunts to 3640 . Sizun, S.W. from Morlaix, has 3758 inhabitauts, who are engaged iu agriculture aud the linen manufacture. St.-Pol-de-Iéon, on a hill above the sea, 10 miles N.N.W. from Morlaix, is a clenu hut ill built town. It possesses two nohle ehurches-tho former catheilral, which is remarkablo for ito deliento wood-enrving and seulptured ornaments, and contains the tomb of St. Leon; and the church of Kreizker (middle of the town) built towards the end of the 14 th century by Johs IV., duke of Bretaghe. The squaro belltower of this church, surmounted by a cornice and an elogant balustrade, from which springa a lofty spire flanked by four turreta, the whole buitt of granite, is the finest work of the kind in France. The summit of the spire is 404 feet above the ground, being the highest spire in Frunce, execpt that of Strasbourg. A suburb called Peupoull is built on the sea.shere, aud forms the port; it contains eeveral houses of remarkable censtruetion; some of them are fortified. Tho population amounta to 6655. This town, formerly the sent of a bishop, is now going to deeay. Sl.-Thegonnec, S.W. of Morlaix, is the centre of a considerable linen manufacture, and has 3929 inhahitauts, aud a fine church built of granite. Toulf, N. of Morlajx, has papermills, nnd 2905 inhabitants.
5. In the firth arroudissement tho chief town Quimperle, a small sea-port situated at tho jumetion of tho Isolo and the Ellf, aud surronuded by high hills, has a communal college, and 5261 inhabitauta, who manufacture leather, paper, and sabots. Vessels of 50 tons come up to the town, and unload their cargoes at a largo quay lined with stores and handsonse houses. The Benedictine courcnt, yow the residenco of the mayor, is an imposing building; hehiud it is the interosting round church of Sainte-Croix, which dates from the $11 t_{1}$ century. On one of the hills above the town stands the gothie clurch of St.-2Michel, the Capuchin and Ursuline conveute, which with soveral protty houses, gardens, and oreharde, render this a very agreeablo part of the town. Bannalec, N.W. of Quimperle, famous for the wrestling-matches, held near it cvery Scptember, at which overy variety and oddity of Bretou costumo may be seen among the numbers drawn together to witucss and tako part in the uational game, has a population of 4204. Pont-aven, a sunall place nenr tho mouth of a hittle rivor with the purc Celtic name of A ven, and 11 uniles W. from Quimperlo, has a small harbour for vessels of 60 or 70 tons : population, 334. Scaer, N.W. of Quimperle, stands on an emineuce on the right bank of tho Isole, and has 4005 inhahitauts. From the tower of the elurch of Scaer is one of the most extensive viows in Bretagna Near tho town is tho beautiful well of Sainte-Candide, the hasin of which in 76 feot long, 161 feet wide, and 71 fect deep:

The department forms the see of the Bishop of Quimper, is consprised in the jurisdietion of the High Court of Rennes, and belonga to the 10 th Military Division, of which Rounes is hend-quarters,
(Dictionnaire de la France; Slatistique de la France; Annuaire pour CAn 1853.)
FINLAND, the Grand-duchy of, forma Russian government conspesed of Finland, tho two Lapmarks of Kcmi and Tornea, and the province of lliberg. It lies between $59^{\circ} 13^{\prime}$ and $70^{\circ} 6^{\prime} \mathrm{N}$. lat, $38^{\circ} 10^{\prime}$ and $50^{\circ} 25^{\prime}$ E long. $;$ and is bounded N. by Norwegina Finmark; N.F. by the governmenta of Arclangel, Olonetz, and St. Petersburg ; S. by the Gulf of Fiuland ; and W. by the Gulf of Dlothuin and Sweden. Its present namo was given to it by the Swedes; but tho natives call it Suomemna, tho 'Region of Lakes or Swamps.' Ita area in estimated at 145,482 square miles; and the population, aceording to the census of 1852, amounted to $1,636,915$. The Lapmarks of Kcmi
and Tornea, which constitute Russian Lapland, are included in Uleaborg län. They occupy the whole northern districts of the principality of Finland, and lie almost entirely within the polar circle, and are extremely sterile and thinly peopled; frequently not a single dwelling is met with for 80 or 100 milcs together.
The surface of Finland is very uneven. In the eastern and central parts it is intersected by lakes, rivers, and swamps, between which there are flats of sand overgrown with moss and studded with low hills. In the northern parts it is covered with mountains helonging to the great Scandinavian chain, the highest points in which are the Poldoivi and the Unastunturi, on the borders of Norway, which are said to have an elevation of 2000 feet. The Maanselkä Mountains stretch from Norway southward all through Russian Lapland, whence they send out hranches iu all directions; the main range running parallcl with, and at some distance from, the eastern coast of the Gulf of Bothnia, until it gradually subsides, and at last disappears to the north of Biörneborg. The loftiest summits in this range are Narangavaara and Livarra, from which the sun may be seen during the whole twenty-four hours at Midsummer. It is said however that the highest point is not more than 3500 feet above the surface of the sea. In the more southern latitudes of the principality the valleys between these mountains contain good arable and rich meadow land. The west coast is generally flat, but very rocky near the Quarken; indced, the coasts hoth of the Gulf of Dothnia and Finland are lined with precipices, reefs, and rocky islands, which render navigation very hazardous. Many of these islets, as thoso of Sweaborg, which command the entrance to the harhour of Helsingfors, are strongly fortified. The most numerous group of islands is the Aland group, which lies between the Gulf of Dothnia and the Baltic, and gives name to the Aland Archipelago. [ALa×D.]
The centre of Finland is an elevated platenu from 400 to 600 feet above the sea, full of lakes, aud covered with low rocky elevations, mostly composed of red granite. The Manaselkä Mountains, which terminate above Biörneborg ( $61^{\circ} 27^{\prime} \mathrm{N}$. lat., $21^{\circ} 40^{\prime}$ E. long.), chiefly consist of primitive rocks. In some parts of the lowlands the surface is overspread with enormous blocks and houlders of granite. Many of the lakes in the interior of Finland have their outlet in the Gulf of Bothnia or Finland. Independently of Lake Ladoga [Ladoga], which occupies a considerable portion of the south-eastern part of Finland, the largest of these waters is Lake Saima, or Saima V'si, a little to the north of Wiborg, which is more than 300 fect above the level of the sea, nearly 180 miles in length, and from 20 to 25 miles in breadth. It is full of islands, the basis of which is granite, and it flows through the Vouoxa, or Voxa, into Lako Ladoga. Next to this is Lake Enare, in the northernmost part of Lapland, which covers above 1000 square miles, receives several small rivers, and discharges its superfluous waters into the Frozen Ocean by the Palsyoki, or Pasvig, which falls into Varanger Fjord. In tho south-west of Finland the lakes are very numerous; they are almost all united together by rivers and waterfalls round the central lake of Pyhäjiarvi.
There are no rivers of any considerable length. The Voxa, which originates in tho collected waters of numerons smaller rivers and lakes, in the northern part of the district of Kuopio, flows southward into Lake Saima, and thence eastward into Lake Ladoga It is so full of granite rocks and falls as to be of little use for navigation, The Kymmene is a broad stream, issuing from Lake Pemena to the west of Lake Saima, seldom less than 250 to 300 feet in width, and varying from 50 to 150 feet in depth; it falls into the Gulf of Finland near Kymmenegaard, hut, o wing to the frequent falls, is not navigable. The Kemiyoki flows frons a lake still moro to the west, and falls into the Gulf of Bothnia near Biörneberg. The Yanarus, an outlet of Lake Yänisyarrwi, flows into Lake Ladoga. The Sestra is the boundary between the governments of Finland and St. Petersburg. The Tornea and Muonio, trihutaries of the Gulf of Finland, separate Finland from Sweden, and the Tana divides it from Norway. The line of the Tana is first from south-west to north-east at Palmayïwry, where it quits the Finland horder and flows through Norwegian Finmark north by east into the Tana Fjord, an inlet of the Frozen Ocean. Among the east into rivers are the Wanda, or Helsinge River, the Kyro, and the Ulea
The waters of Finland and its numberless swamps and moors occupy more than a third of its surface; but the climate is on the whole saluhrious, and there are many cases of great longevity. The average duration of the summer, which is accompanied hy great heat, is not more than three months; tho winter, which lasts from cight to nine months, is exceedingly severe, particularly in the north. During the latter neason there is a direct road across the frozen Guif of Bothnia to Sweden. In the northern parts of Russian Lapland the sun disappears entirely from the end of Novemher to the close of January; hut during this period the moon and stars frequently shine with exceeding splendour throughout the twenty-four hours. In the southern and central parts the climate is less severe ; winter lasts five or six months. Improved drainago and the extension of agriculturc have rendercl the climate milder, but night frosts frequently injure the crops in the open season, and thick cold fogh are common. Violent storms which are not nnfrequent in tho winter sonetimes devastate the forcsts ; uprooted trees and snapped trunks of pines marking the course of the irresistible tornado.
There are extcnsive forests of firs and pines in the south, inter.
spersed with oaks, elms, \&c. hoth on the mainland and the islands; they are of peculiarly luxuriant growth on the soils which receive the exhalation from the lakes and swamps. In northern Lapland these trees are replaced hy the hirch, until, in the coldest districts, trees cease altogether. The mountains and hills are in general naked; but eveu where they are wooded, the wood is low and stunted.

The greater portion of the soil is either stony or sandy. Rich regetable earth is of rare occurrence, aud scarcely ever unmixed with sand. In order to manure his land, the agriculturist is in the habit of setting fire to his forest of underwood. By this means he is enabled to grow his rye or oats for two or three years in successiou, after which he plants the ground afresh and lets it lie for tweuty or thirty ycars, until the wood is sufficient for another hurning. Barley and rye are chiefly cultivated; oats are often sowu the year after the land has bornc rye; a little wheat is raised; and some gray peas and beans. The frost however sets in 80 soon and the weather is so uncertain, that it is common for the farmer to use the precaution of gathering in his crops while they are green, iu tho early part of August, and afterwards to dry them. Hemp and flax, hops, and a little tobacco are also cultivated. Potatoes are exteusively cultivated, the annual yield heing estimated at $6,000,000$ bushels. Carrots, coleworts, parsnips, and onions are also partially raised; but wild berries are the only fruit, except perhaps in the vicinity of Aho. The crah apple grows wild, but none beyond $60^{\circ} \mathrm{N}$. lat. The oak does not thrive beyond $61^{\circ}$, nor the ash beyond $62^{\circ}$. The cereal crops cease to the north of $67^{\circ} \mathrm{N}$. lat. The forests have suffered greatly, particularly near the sea-coast, from wasteful use and firing; hut large quantities of timber are still exported in the shape of deals, masts, \&ic. ; and much tar, pitch, aud potash, as well as fire-wood, are sent abroad. The pasture-lands and meadows though ill-managed are good and afford sufficient food for horses, cattle, sheep, goats, and reindeer of Finland. Butter is made to the amount of $2,000,000$ stones yearly. Moss, in the bleaker regions, is the only food for domestic animals, for which the reindeer is an inestinable substitute. The horse of Finland is small, but strong aud active. Fowl and other wild game are plentiful. Bears, elks, wolves, foxes, martens, \&c., afford a large supply of furs and skins. Reiudeers abouud in Uleaborg lïn, iu which the tame reindecr number 30,000 . These animals constitute, in fact, the wealth of the Laplander; they supply him with food, clothing, and other necossaries, as well as the means of barter for his principal luxuries, hraudy and tobacco ; nor is he accounted aftluent unless he be owner of 200 or 300 of them.

Finland is divided into eight laus, or provinces, of which the area, with the population, and an estimate iu hushels of the chief agricultural products, in 1852, are given in the followiug table :-

| Lăมะ. | Area in sq. miles. | Population in 1832. | Rye. | Barley. | Oats. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Uleaborg | 63,734 | 157,000 | 440,000 | 840,000 | 20,000 |
| Wasa | 18,018 | 257,854 | 1,440,000 | 1,200,000 | 180,000 |
| Abo | 10,326 | 292,098 | 1,680,000 | 1,200,000 | 400,000 |
| Nylands | 4,951 | 160,252 | 1,000,000 | 640,000 | 260,000 |
| Wiborg . | 18,484 | 273,011 | 800,000 | 320,000 | 800,000 |
| Kuoplo | 18,028 | 190,153 | 1,200,000 | 1,200,000 | 360,000 |
| St. Miehel | 0,120 | 148,039 | 1,000,000 | 480,000 | 800,000 |
| Tavastehus. | 7,258 | 152,526 | 1,040,000 | 240,000 | 260,000 |
| Total . | 144,819 | 1,636,935 | 8,600,000 | 6,120,000 | 3,080,000 |

Wheat is grown only in tho districts of Abo and Nylands, which yield respectively 44,000 and 24,000 bushels a year. In Wiborg, 48,000 hushels of buckwheat are aunually grown, and in Tavastehus about 64,000 bushels of peas.

The following table is an estimate in rouud numbers of the different kinds of stock in each of the provinces in 1852 :-

| Läาธ. | Cattle. | Horses. | Sheep. | Swine. | Goats. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Uleaborg | 95,000 | 18,000 | 98,000 | 5,000 | 640 |
| Wasa | 139,000 | 32,000 | 178,000 | 23,000 | 1,400 |
| Abo | 150,000 | 38,000 | 182,000 | 28,000 | 14,000 |
| Nylands | 95,000 | 25,000 | 90,000 | 20,000 | 6,000 |
| Wiborg | 117,000 | 34,000 | 78,000 | 37,000 | 1,000 |
| Kuopio | 80,000 | 38,000 | 79,000 | 35,000 | 1,000 |
| St. Michel | 102,000 | 23,000 | 50,000 | 32,000 | 1,000 |
| Tavastehus | 89,000 | 27,000 | 78,000 | 24,000 | 8,000 |
| Total . | 867,000 | 235,000 | 833,000 | 204,000 | 33,040 |

Fish is the chief food of the Laplander, whose strcams, such as tho Toruea aud Tana, are well provided with salmon, pike, eels, red-eyes, \&c. The pearl muscle is found in some of the lakes and rivulets of the westeru parts.
Finland has few mineral products. There are tin and copper mines, which yield to the amouut of 800,000 silver rubles annually; these mines are in West Nylauds and Karelia, the richest aro at Pitkarenta, on the north-easteru shore of Lake Ladogn. Dog iron is obtained iu some parts; lead is also found. Marble is quarrice iu the district of Ruskeala and the island of Arasati in Lako Ladoga. Slate is
plentiful, and chalk abounds in some places. The want of malt is soverely folt

Population.-The majority of the population is of Finnish extrao tion. The Fins call thenselves 'Suomalans' or 'Suomes,' but they aro denominated "Techudes' by the Ruspians. They aro divided into two branches, the Tavaste, who lnhabit the south-went of Finland; and the Kareliana, who dwell in the northeastern part. They are slow, grave, and self-willed, but peacealle, brave, and hospitable, tesuperato and induatrious: their complexion in dark, their countonances and manner are serious, and they are of robnst make. They aro all free, aud many of them are landholdors. The Baltic Fins are distinguibed for their trading proponsities, and tho soamen are by far the best among all the subjects of Russia. The dwellings of the peasantry aro built of wood, and aro low, dark, and unelean. The Laplander is of the mame extraction as the Finlander, and calls himself a 'Samelade,' or 'Same.' They resemble the Finlanders in all respects except that tho upper jnw projects more, and their hair is of a doeper tint. There are about 1000 of them in this government; thoy lead a wandering life, and are divided into two elasses, the reindeer Laplanders aud the fishing Laplanders. From 7000 to 8000 Rusaians bave settled in the distriets of Wilborg and Kosholm, especially in the trading towns. Aland, the const of Nyland, the south of Wiras län, and the adjacent islands are inhabited by about 125,000 Swodes.

Education.-Of the iohabitanta about $1,500,000$ profess to be Lutherans, who are under the Archbishop of Abo. The rest of the population belong chiefly to the Greek Church. Finland is divided into two dioceses, Abo and Borgo. The followers of the Greek ritual are under the archimandrite of St. Petersburg. The officinl langunge of tho country is Swedish. The university of Abo was transferred to Helsingfors in 1828 by the emperor Nicholas, and is styled the Alezander University. There are also five academies and twelve superior olementary schools. The emperor has done a great deal for public education in Finland, and has especially promoted the knowledge of Finnish which had been neglected by Sweden. A professor of the Finnish language was appointed to the univorsity in 1850. There are inferior schools in the majority of the parisbes.

Agriculture, the breeding of cattle, and in some parts the fisheries, constituto the principal occupations of the people. There are few manufactures, although the Russian government gives very liberal support to enterpriee of this kind in Finland. The cotton-mills and glase manufactures are the most important. In 1851, 148 factories emplojed 3364 persons, and gave a grose revenue of $1,295,621$ ailver rubles. In the larger towns, iron-ware, sail-cloth, and stockiugs aro made. The peasantry make what coarse woollen and lincu they require under their own roofs; they also preparo tar, potash, and charcoal, make articles of wood for their own use and for exportation, and in some of the ports ressels are constructed.

Navigation is much impeded by the severity of the winter, which shnts the harbours from six to seven months in the year. The internal trade whicb is unimportant, is facilitated by the Saima Canal, completed in 1844. The foreign trade is considerable, the exports consisting of planks, potash, tar, cattle, butter, ment, hides, tallow, and fish, amounting in value to $3,000,000$ silver rubles anuually ; and tho imports-salt, colonial produce, cotton, and woollen stutts-to about the same amount. In 1552, 167 vessels of 107,000 tons were engaged in the export trade. The coasting-trade was carried on by 900 small rcasels with an aggregate tonnage of 50,000 . The exports are sent chiefly to St. Petersburg, Sweden, and England.

Gorernment, de.-Thero is a distinct secretary of state at St. Petersburg for the government of this vast province. The governorgencral and imperinl senato reside at Helsingfors, the new capital, and are at the head of the administratiou. Fach län has lts governor. Three high courts of Inw are held in Abo, Wasn, and Wiborg. Though Finland has a constitution of its own, by which the inhabitants are classed in four orders, -nobles, clergy, burghers, and peanantry - the land-dagn, or diets, have not been convoked since 1812. The senate in fact has superseded ther. The liussian revenue from the government is estimated at only about $60,000 \mathrm{l}$. sterling a year.

Lefore lta amnexation to Rumia $\ln 1808$ Finland was subject to Sweden for abont six centuries. The llussinns have accorded every mort of favour to tho Finns, and treated the Swedish element of the population wlth great mererity. Awougnt the Finns themselves there in a mmall party, including some influential meu, who desire a reunion with Sweden; a mecond party, bolonging to the nobility and including tho higher clase of publio functionaries, but not very numerous or powcrinl, are atteched to Russia; whilst a thind party, including the large rajority of the race, deniro to have Finland for tho Finns, and to form a mation imdependent of both Sweden and Rnssia, toward both of whlch however they are mid to bo animnted by friendly fealingh. A strict censorsblp of the prees ls exerted againat forcign and capecially Swedinh bookn The wational literature is treated in a more libernl apirit.

Torene. -The linn of Wiborg, has the town of the sarne name for ita capital, whleh whs the ancient capital of Carolin ; it stands on a bay of the Onlf of Finland, is well fertified, and has about 3000 folmabitanta, exclusive of a large garrison. [Wibono.] In this circle is

Proderikshamm, on a peninsula on the Bay of Finland, a strong fortrest, containing about 1400 inhabitants: it was here that the treaty of September $1 \$ 09$ was concludel, by which Sweden mado over Finlaud with part of Lapland and tho Aland Islande to Jussin.
The liin of St. Michel, which is uorth-west of the precoding, contains St. Nichd, a small town, and Nyolot, another small town with a atrong castle.
In Nyland lian, west of Wiborg, in Ifelaingfors ( $60^{\circ} 9^{\prime} 12^{\prime \prime}$ N. lat., $24^{\circ} 57^{\prime} 30^{\prime \prime} \mathrm{F}$. long.) the cspital, on a tongue of land in the Gulf of Finland, with about 16,000 inhabitants, and the strong fortross of Sucaborg, at the entrance of the harbour. [Helarngroras.] East of Helsingfors lies Borgo, a small episcopal town on the river of the samo uame, with a cathedral, a chureh, gymnasium, manufactures of linen, sailcloth, refined sugar, and tobacco, and about 3000 inhabitants. West of Helsingfors is Ekndis, or Ekenes, a small fortified sea-port town of about 2000 inhnbitants, sitnated on the east shere and near the head of an inlet of the Gulf of Finland. To the west of Ekniis lies the peninsula of Hango-Udd at the extreme point of which is the fortress of Clustafsvöru, lately destroyed by the floet of Sir Claarles Napier. Lowisa, north-enst of Borgo, is a very pretty sea-port, with two churchee, and about 3600 inhabitants
The län of Tavastchus, north of Nyland, hns for its capital Tavastehus, lying on a lake, with a strong castle, a chureh, and about 2000 inhabitants
Abo, the westernmost län of Finland, includes the islands of Aland in the Gulf of Bothnis [Aland]; its capital is Abo, on the south western cosst of Finland. [ABo.] In this circle are also Biorneborg, near the mouth of the Kumoyoki, a maritime town of about 4600 inhabitants, well built, with a church, grammar school, boat-building yards, and some trade. Raumo, a towa with 1700 inlinbitants ; and Nystad, a sea-port of about 2000 inhabitants, where the trenty by which Sweden relinquished the Baltic provinces and part of Finlaud to Russia in August 1721 was concluded.

North of this lan is that of Wasa, on the Gulf of Bothuin. Its capital is Wasa, on the Gulf of Bothnia, a regularly built town, with a hnndsome stone chureb, a school, an infirmary, and 4000 inhabitants, South of Wasa lies Christinästadt, a good sea-port on a peninsula with a church, aud about 1200 inhnbitants.
Kuopio lin lies east of the preceding, and contains the town of Kiupio on a promontory of Lake Kallavesi, with a church, school, well-frequented fairs, and about 1500 inhabitants
The lin of Uleaborg, in the most northern part of the priucipality, contains Uleaborg, its capital, on the Ulea, a well-built town, with a towu-hall, two market-pinces, a church, bospital, and a populatiou of about 4500 , who carry on some trade: Brahestad, a acn-port, with a chureh, and about 1200 inhabitants: Padasjärviz-Kousoma, an iuland towu of about 1500 inhabitants: Kemi, a sca-port: and Tornea, on the river of that name at the northern extremity of the Gulf of Bothnia, a nent town, with two cburches, one on an island, and about 700 inhabitants; this place is the centre of the Lapland trade in deals, salt fish, reindeer-skius, butter, \&c. Steamers ply from Abo and IIelsingfors along the const towns and to St. P'ctersburg and Stockholns. The priucipal rond is one that runs along the coast from Abo through Helsingfors, Bergo, Lowisa, Fredericksbamm to Wiborg, and thence to St Yetersburg; but except the section botween Wi borg and St. Potersburg no public convegance runs along it. Auother road runs northward from Abo along the coast of the Gulf of Bothnia to Tornea. Travelling is effected along those roads by posting for the most part iu carriages without springs.
Finland, qulf of. [Baltic Sei.]
FINMARK. [NORWAT.]
FIRENZE, one of the five provinces into which Tuscany is divided, is bounded N. by the duchy of Modena nud the Papal provinco of Bologna, N.E. by the Papal province of Ravema, E. by the Tuscan province of Arezzo, S. by that of Siena, and W. by that of Pisa and by the duchy of Lucea. Its greatest length from enst to west is about 70 miles, and its breadth about 60 miles; its area is 2252 square miles, and its population in 1852 was 700,015. The surface of the country is in great mensure mountainous, being intersected from nortl-west to soutb-east by the central Apennine range. That part of the province which lies on the north slope of the Apenniues is called Ilomagna Grandncalo, and consists of highlands and uarrow villeys, which form the upper basing of numerous rivers that Iow towards the Adrintic. The greater and by far the finest part of the province of lisenze lies Bouth or rather south-west of tho Apeunine chain, aud consists of the groat valley of the Arno, which crosecs it from east to west, and of numerous interal vallegs which follow the course of the rivers that flow into the Arno. The principal of thess valleys on the left bank of the Arno are-tho Val di Greve, below Florence; Yal di Pesa; Val d'lilea; Val dera, on the borders of the provinee of Pisa : on the right bank of the Aruo are-the Val di Sieve, called also Mugello, north of Florence; Val di liseuzio, or of Prato; Val d'Ombrone, or of Pistojn ; and Val di Nievole. T'o the north-west, near the borders of Lucen, the Firenze territory includes part of the Val di Lima, which belougs to the basin of the Serchio; and at its southern extremity it extends over part of the ralley of tho Cecina, a river that flows into the Mediterranean throngl the Maremma of Pisa. The valleye produce corn, wine, oil, silk, and
abundance of fruit. The mountains are planted with chestnut and timber trees, and afford abundant pasture. The farms are generally very small, and are mostly let to tenants-at-will on ths metayer system. A great resource of the country people is the manufacture of strawhats, the straw for which is that of a peculiar description of whent cultivated for the purpose, very thickly sowu, and cut domu before it is ripe. The coluutry girls and men employ themselves in platting this straw, and the profit they derive from it forms a considerable addition to their means of support. The appearance of the peasantry, especially in the Val d'Arno, is pleasing; there is an air of health, comfort, and cheerfulness, a smartness of dress and a cleanliness of the person, superior to what is seen in most other parts of Italy. Many of the women wear round beaver-hats like the men. Ths other manufactures in ths country are pottery and china ware, cloth, paper, leather, \&c., mostly for internal consumption. The silk manufacture, once very flomishing at Florence, has greatly declinsd during ths present century. The manners of ths country people are simple, sober, and decent. Ths church-festivals, which recur at various epochs of the year, are days of mixed devotion and rejoicing to which the peopls are much attached. There are elsmentary schools in every commune. There are besides grammar schools in the towns kept by the Brothers of the Pious Schools, the Oratorians, and other religious congregations. Lancasterian schools, holiday schools, and infunt schools were established through the exertions chiefly of ths Abate Launbruschini. Ths Italian language is spoken with nearly equal purity by all classes.
The elinate of the province is generally healthy; the winters are colder than in the plains of Pisa, near the sea. The highlands of the Apenuines ars bleak and barren; the lowlands are pleasant and very fertile, but in some parts subject to inundations of the Arno or its feeders.
For administrative purposes the province is divided into 28 districts called cancellerie, which contain altogether 82 communes, haviug each a gonfaloniere and a communal council. The districts have each a political governor called cancellierc, and they are named from their chief towns. Florence, the capital of the province, is connected by railways with Pistoja, Pisa, Leghorn, and Siena It is noticed in a separate article. [Florence.] Ws here hriefly notice the more important of the other towns. Thers are few towns of any importance in the part of the province north of the Apennines, although the valleys are pretty thickly inhabited. In this part are-Firenzuola, situated in a deep valley, 27 miles N.E. from Florence, on the left bank of the Santerno, population 1500: Modigliance, on ths Marzen, a feeder of the Lamone, a walled town 40 miles E.N.E. from Florence, has several churches, a college, and 2500 inhabitants: and Terra-del. Sole, which stands on a hill above ths left bank of tho Montone, 45 miles from Florence, and has about 3500 inhabitants.
On the south side of the mountains are-Borgo San Lorenzo, on the left bank of the Sisve, or Mugello, 14 miles N.E. from Floreuce, population 3300 : Castel Pranco di Sotto, on tho Arno, population 3280 : Custel Fiorentino, on the Elsa, with 2700 inhabitants: and Scarperia, in the valley of the Upper Sicve, or Mugello, containing 5 communes and 22,870 inhabitants.
L'mpoli, situated in a very fertile country, on the Florence-Leghorn railway, is a thriving well-built town on tho left bank of the Lower Armo, with several manufactories of cotton, leather, straw-hats, glass, and 5500 inhabitants.
Fiesole, situated on a steep hill above the valley of the Arno, 3 miles N. by E. from Florence, occupies the site of the ancient Fesule, one of the twelve confederate cities of Etruria. It is a small place of about 2500 inhabitants, but interesting on account of its ancient remains, which include polygonal walls, an amphitheatre, \&c. The town gives titlo to a hishop, and has a cathedral huilt in the 11 th century, a diocesan school, and a commercial hall. Many of the Florentines have country houses in and about Fiesole : in the neighbourhood are large quarries of sandstone. Figtine, 16 miles S.E. from Florence, near the left bank of the Arno, has a population of about 4000 . Fucecchio, near the Lake of Fucecchio, 20 miles W. from Florence, near the right bank of the Lower Arno, population 4200. MonteCatini, a village of 2600 inhabitants, near the western border of the province, is celebrated for its warm springs.
Pescia, a walled town, W.N.W. from Floreuce, on the Pescia, a feeder of Lake Fucecchio, is the seat of a bishop, and has about 4700 inhabitants, who manufacture paper, broadcloth, and silk. The viciuity of the town is planted with olive and mulberry trees. Pistoja, 21 milcs by railway through Prato from Florence, is an ancient and still considerable town with about 13,000 inhabitants. It forms the subject of a separate article. [Pistoja.]

Prato, in the valley of the Bisenzio, 11 milcs by railway N.W. from Florence, at the foot of the Apennines, is a bishop's sec, has a handsomo cathedral, a college, besides a seminary for ecclesiastieal students, a public library, a printing-press; an hospital, a monte di pieta, copper smelting works and foundries, several manufactories of woollens, strawplait, leather, lante, soap, silk-twist, \&c., and about 12,000 inhabitants. The road from Florence to Prato crosses a fine level country, highly cultivated, and thickset with gardens and villas. Prato Vecchio, in the upper Val d'Arno, is a walled village with about 3500 inhabitants. San Miniato, sn episcopal town of 2000 inhabitants, is situated
on a hill at a little distancs from the railway between Empo!i and Pontedera. It has a cathedral, and is said to bo the cradle of the Bounparte family.
Firmin, S1: [Alpes, Hautes.]
FISHGUARD. [Pembrokeshire.]
FIU'ME (formerly St. Veit am Flaum, iu Illyriau Reka), the chief town of the palatinats of Fiumo in thie Austrian crownland of Croatia, is situated in a narrow valley at the effux of the Finmara into ths Gulf of Quarnaro in the Adriatic, at a distancs of 36 miles S.E. from Triests by the road across Istria, aud has about 11,000 inhabitauts. The approach to the town by the Luisen Strasse, which connects Fiume with Carlstadt on the Kulpa in the interior of Croatia, preseuts scenery of a very wild character. The road passes down the defile called the Porta Hungarica, along the left wall of which ths road is carried by terraces and shelves, excavatsd from the solid rock, so high above the Fiumara that the roar of its waters struggling over its rocky bed at the bottom of the chasm is scarcely heard. The view of the town, with ths castle of Tersat abovs it, and ths green islands in the Adriatic in front, from ths extremity of the defile, are most charming by coutrast with the wild savagery of ths rocky pass. Fiume is composed of the old aud new towns, The new town lies next the sea, has a cheerful aspect, hroad, handsome, and well-paved streets, and a number of fine buildings, private as well as public: among the latter are the flesh, fish, and bread markets, ranges of shops with colonnades; and the casino, a spacious structure, containing coffee-rooms, a casino, \&c. The old castle of Tersat is situatsd on an adjacent height, and behind the uew town is a steep rock on which the old town is built. The latter is a gloomy spot, laid out in stesp narrow streets, and almost cntirely inhabited by the lower classes. In this part of the town are an ancient Roman arch; the elegant cathedral church of St. Veit, built in imitation of the church of Santa Maria della Salute in Venice; and a column which marks the spot where, according to the legend of the Santa Casa of Loretto, the holy Houss of the Virgin stopped on its way from Nazareth. The other buildings of note in Fiums are-a large building formerly used as a sugar-rsfinery, a nunnery, a gymnasiun, a lazaretto, the government offices, and an hospital. Fiume has manufactures of linens, leather, woollens, losoglio, sugar, wax, tobacco, paper, \&c. A handsome promenade with avenues of plantain-trees and public gardens are at one end of the uew town; several stonejetties and a fiue quay of freestone also embellish it. It has been a fres port ever since the year 1722, but the harbour admits only small vessels; large ships come to anchor in ths bay at a distance of three miles from the shore. Ths trads of Fiums is greatly fallen off. The chief exports are rags, staves, and timber. Fiums was formerly the port of Hungary, and traded extensively in timher, wheat, oil, tobacco, wins, seeds, \&c.; but steam-navigation on the Danube, the introduction of railways, aud the superior advantages of Trieste as a commercial harbour, have operated powerfully agaiust the trade of Fiume. The territory of Fiume used to belong to Hungary, and was called the Littorale, from its positiou along the shore of the Adriatic. It now forms the palatinate of Fiume in Croatia, which has been ssvered from Huugary since 1849. [Croatia.]

FLAMBOROUGH. [Yorkshire.]
FLANDEIS (Vlandeeren), formerly an extensive county iu the Low Couutries, extcuding along the southern shore of the North Sea, between the mouths of the Aa aud the Schelde. It was bounded W. by Artois, which howsver was loug united to it, S. by Hainault, and E. by Brabaut. The country thus indicated was, in Roman times, included in Gallia Belgica, and comprised portions of the territories of the Morini, the Menapii, and the Nervii, who were amongst the most savage and warlike tribes of Ganl, and the last to submit to the yoke of Cæsar. About the end of the 3rd century after Christ the Franks obtained settlemsuts in the eastern part of the territories of the Nervii, whence, issuing under Clovis, they extended their sway over a great part of Gaul. From the time of Clothaire II. Flanders was governed by an officer of the royal household, who was styled Grand Forestier, or High Ranger, and whose office was hereditary. The country was theu covered chiefly with forests and marshes.
In the time of Charlemague, who settled mauy of the Saxons among the Flemish, the high ranger was named Lideric, whoss greatgrandson, Baudouiu d'Ardennes, surnamed Bras-de-Fer, or Irou-Arm, succseded his father as third Count of Flanders iu A.D. 864. Baudouin, by his union with Judith, daughter of Charles the Bald, king of France, obtained Artois, which was held by his successors until its reumion to Frauce by Philippe Augusts. He died in Arras, his capital, in 879, after a turbulent life, during which however he laid the foundatiou of the greatuess of Flanders by establishing the ordsr of weavers, and attracting workınen skilled in woollen and other manufactures to settle in his states. The country continued for centuries to be governed by couuts, under whom the Flemish town-folk early obtained charters of freedom conferring upon them the rights of electing their own magistrates, of managing their own civil and commercial affairs, and defending their walls against invaders by manning them with a militia consisting of the stout burghers themselves. By means of these privileges, for which they paid a fixed revenue to the count, the Flemish towns worked out for themselves an amount of frecdom, and attained a degree of prosperity, without
a parallel in the anth of Furope. The country becanno the centre of the greatent commercial and manufacturing operations in Furope; the Flemish towns were up to tho 16 th century unore populous, an they continue to this day to bo better built, than those of any neighbouring country.

After several wars and revolutioua, which rendered it independent or subject to the crown of Frabec, Flanders was united to the duchy of Bourgogne, as the result of the mariage of Marguerite, only child of Count Louis I 1., to Philippe lo IInrdi, duke of Burgundy. Izy the marriage of Mary of llurgundy Flanders passed to the house of Austria.

About tho beginning of the 18 th century it was divided into threo parts :-French Flauders, which now forms the depariment of Nord in France, and in described in tho article Nomd; Austrian or lmperial Flanders, which under the French empire formed the department of Lys, and is now dixtinguished by the name of West Flanders; and Untch Flanders, now Faat Flandere, which during the French empire formed the department of Eacnut. East and West Flanders, at the peace of 1S14, were included int the kingdom of the Netherlande. Since the revolution of 1830 they form part of the kingdom of Belgium, with the exception of n narrow strip to the north of Enst Flaudere, nlong the south shore of the sestuary of the Schelde, which Is still retsined by the Dutch, and forms part of the province of 7eeland. In the remainder of thia article the Belgian proviuces alone are described.

Bast Planders, a province of the kingdom of Belgium, is bounded N. by the Duteh prorince of Zeeland, E. by South Brabant and Autwerp, S. by Haiuault, and W. by Weat Flanders. It extends from $50^{\circ} 12^{\prime}$ to $51^{\circ} 22^{\prime} \mathrm{N}$. lat., $3^{\circ} 25^{\prime}$ to $4^{\circ} 26^{\circ}$ E. long. The area is 1232 square miles. The population in $1849 \mathrm{was} 781,143$.

The principal rivers that traverse this provinco are tbe Schclde, the Lys, and the Dender. It is further watered by several smaller atreams and brooke, all of which are tributaries to the Schelde; and the trale of the province is facilitated by numerous cauals. The Sehelde cuters the province on the south-west, and flows north-northeast past Oudenarde to Gheut, where it receives the Lys. Thence it rums castward to Termonde, where it receives the Dender on its right bank, and soon after takes a north-enstern course down to Antworp. [Sicueldo.] The Lys rises in the French department of Pas-de Calais, and flows first north and then east, past Therouenne and Aire, and entering the department of Nord passes the towns of Eistaire and Armentieres. Ilence running northeast along the Eelgian boundary, past Menin, it entere Flanders and joins the Schelde on the left bank at Ghent. The Dender rises in Hainault, to the north of Mons, and Hown north-west to Atb, and thence north-north-east, past Grammont and Alost, in this province, to Termonde, whero it falls into the schelde on the right bank. All these rivers are navigable.

Enst Flanders is low and level. In many parts of the province thero are beds of peat. The chief productious of the carth are whent, rye, barley, oil-seeds, onts, potatoes, मlax, bemp, hops, madder, and whacco. There is but little wood of large growth in the province. Conl, turf, aud potters'-clay are found. The chief mannfactures are lace, duanakn, fine linen and woolleu cloths, bobbin-net, silk, cordage, brickn, hate, and soap; and there are also cotton-factories, potteries, sugne-refineries, distillerics, and brewerics.

Tho trado of Flanders is greatly facilitated by means of good common roads, numerous canala, nnd railroads. There are railways from Chent to Antwerp, Malines, Ostend, and Courtmi. From Courtrain line rnns westward to lpres; and another curves north nud cast through Thousout to Bruges, $A$ branch from the GhentMalines line stretelies to Alost; and another branch from tho GhentLille line, which it leaves at Deynze, is in courso of construction to Furnes.

The dmught horses bred in the neighbourhood of Ghent and Alost are large, well-formed, and powerful animals. Mlany of then nre ment to London, where they are used for drawing the brewers' drays. Oxen are seldom used in linndert for purposes of labour.

The capital of the provinco is Ghent, which is deseriberl in a separato artlele. [GuENT.] Alost and Dendermonde no noticed under their proper heads. [Alost; Dendermonds] Of tho other towne of the provinco wo give the following:-Busserelde, a markettown, with about 3800 lnhabitanta, inclurling the whole commune, is aituated about 10 zniles N. from Ghent Deynze, 11 miles by milway S. W. from Ghent, is a rery ancient town, and is celebrated for the fine quality of the gin distilled there: the population is about 3600 . Eecloo ja situated on the high road between Ghent and Brugem, It has manufactures of woollens and cottons, sonp, tobacco, chocolnte, and hats; and there are dintillcries, tanneries, salt-refineries, and oilmilla. It lins a large weekly market for grain: populatlon, 9200. Grammont is situated on woth idee of the river Dender, 18 milos Sis.E. from Ghent. It contains two churehen, four chapelm, $n$ townhall, a college, and an howpital. Cotton-spinning, dyeing, bleachiug, tupning, soap-boiling, distilling, brewing, and oil-crualing are the chief branches of industry; lnce, fine linen and damask, and woollen ntuff almo are manufnetured: population about 7500 . Lokeren, 11 miles by railway N.E. from Ghent, atands on the Durme, a feeder of the Schelde. It has soveral well-built strects, a large market-place, a town-hall, pariah clinrch, three chapels, an hospltal, and a prison.

The parisla churcla ia surmounted by a lofy tower, and is faruous for its magnificently-carved pulpit, which represents Our Saviour anong tho Doctors Among tho fabrica prodnced are cotton, liven, ans woollen clotha, hosiery, lace, hats, and sail-cloth; aud thers ars extemsivo bleachinggiounds, brewerics, dye-housea, tolaceo factories, and tannerics: populatiou, 16,500 . St. Nicholas, 90 miles by railway N.E. from Ghent, ls maid to lave one of the largest markets for flax in the workl. It is the seat of a tribunal of commerce, and has a town-hall, a college, prison, and a large square surrounded by haudsome housea. Its industrial products comprise cotton ant woolleu stuffis, tobacco, sonp, and hats ; and there are tanneries, dyo-housen, breweries, salt-rcinerics, and potterics: population, 20,500. Ninore, 20 miles S.E. from Ghent, is situated on the nortli-west bank of the Dender. It is a well-built town, and has two cluurches, a fine abbey, a town-hall, and an hospital. Among its iudustrial establishments are several flax-mills, some potteries, tobacco manufactories, and oil-mills : population about 5C00. Oudenarde (Oudenaarden, called by the French Audenarde), 15 miles S . by W. from Ghent, is sitnated on the right bauk of the Scbelde. It is a place of great trade, being the centre of a distrlct in which the linen manufacture is carried on, and is the market in which its products are sold. The town-hall of Oudenarde, built in 1525 in the florid gothic style, is small, but one of the handsomest structures of the kind in Belgium. Anong the other public buildings may be uamed the elegant gothic churches of St.-Walburgs and Nosre-Dnme (the latter dates from 1239), an old tower called Het-Sacksen, aud the bridge of tbe Porte d'Lyne. Margaret, duchess of Parma, natural daughter of Charles V., who governed the Low Countries under Philip II., was a native of Oudonarde. The town has given mame to the victory gained by Prince Eugene and the Foglish over the French, July 11, 1708. The town is well built, and has large breweries and tannerles; there are also salt-refineries, cotton-mills and oil-mills, an liospital, and two orphanhouses: population, 5670. Renaix is 20 miles S. by W. from Ghent. It is a flourishing place, aud has extensive manufactures of fine linen and damask, woollen stuffs and hats, tobacco, chicory, beer, de. The town has threo churches, an hospital and an old castle: population, 18,000.

The civil governusent of the province is administered by a governer, who resides at Ghent. Courts of assize aro held at Ghent, Oudenarde, and Termondc. A court of appeal, which bas jurisdiction likewise over the adjoining province of West Flanders, is established at Ghent. That city is also the sent of a bishop. It has also a Normal school supported by the government. liducation is rery generally diffused by parisls schools aud by the religious houses, most of which take boarders or keeps schools for the poor.

West Flandere, a province of Belgium, is bounded N.W. by tho Nortb Sen, N. Fin by the Dutch province of Zeeland, F. by East Flan. ders, S. $1:$. by 11 ainault, and S.S.W. and W. by France. Tho area is 1512 square miles it lies between $50^{\circ} 41^{\prime}$ and $51^{\circ} 23^{\prime} \mathrm{N}$. lat, and between $2^{\circ} 33^{\prime}$ and $3^{\circ} 30^{\prime} \mathrm{E}$. long. The population in 1849 was 626,847.

The principal rivers of the province are the Lys, which is noticed above, the Schelde, which forms part of the southeastern boundary towards Hainault, the Yser, and the Yperlec. The lser rises in the department of Nord, iu France, and cutering West Flanders near Rousbrugge, it flows north-cast to its junction with the Iperlee, which flows northward from Ypres. The united strean then rmas uuder tho name of the Yperlco to Dixmude, whenco its course is north-west to Nieuport, where it falls into the North Sea. There are several other inconsiderable streams in the province, and the communications between different places are facilitated by means of navigable canals : the most important of these nre the camals between Ghent and bruges, Bruges and Ustend, Dunkirk, Furues, and Nieuport.

The surfaco is flat, with the oxception of a few low hills in the south-west and south-east of the prorince, and the raud-hills which line the coast. The soil is for tho most part sandy. The sand is in somo parts covered with a stratuin of vegetablo mould, but in most other parts the soil is very light and poor. In some jlaces tho surface is marslig. Wheat, onts, flax, rape, trefoil, turuips, carrots, potatocs, and tobaeco are all cultivated. T'lse quality of tho tobaceo raised in the neighbourhood of Wervick is nuch eateomed. Brick and pipe clays and peat nre dug.

Therenre considerable woods in the arrondissements of Iruges, Ypres, and Courtras, tho greatent part of which belong to the statc. Tlis principal trees aro the birch, oak, ash, hormbeau, elm, beech, poplar, pine, plane, lime, larch, cliestnut, and eldor. Willows are frequently seen, but alwsys as pollards.
The horses of the province are large and heavy, fit only for draught. Horned cattle are numerous, and of good breed Dlany oxen are fattened and sold, aud a considerable quantity of butter is made for exportation. There are nlso wayy sheep.
A grent proportion of the inhabitants of the province are employed in apinning tax and weaving and bleaching linen. The manufacturo is chiefly a domestic one, mad is carried on in the farm-houses during winter, nud at other times when the operations of the field are neeessarily interrupted. Danask aud table-linen are made in the towns of Courtrai and Bruges Much lace is mado at Bruges, Ypres, Courtrai, and Mcnin, the thread for whicb is spun at Courtrai. There aro in
the province a great number of dyeing establishments; the largest are at Courtrai, Bruges, Poperinghe, and Roulers. Woollen cloths are made at Bruges, Ypres, and some other parts of the province. The principal articles imported are groceries, dye-stuffs, metals, timber, wine, and salt: the exports consist chiefly of linens, lace, linaeed-oil, rape-oil, gin, horned cattle, and grain.
Towns.-The capital of the province is Bruges, which is described under ita proper head. [Bruges.] Of the other large towns, Courtrai and Ostende sre given in separate articles. Commines, or Comines, a town on the left bank of the Lys, which separates it from the French town of the same name, has a population of about 3000 , who manufacture ribands, thread, cotton handkerchiefs, and tobacco. The town is 10 miles S.S.E. from Ypres. Dixmude is 16 miles S.W. from Bruges, on the right bank of the Yser. It contains a large gothic church, in which is a stone rood-screen of beautiful workmanship, aud an altarpiece by Jordaens, representing the Adoration of the Magi: population about 3000 . Furnes is situated about 3 miles from the coast of the North Sca, between Nieuport and Dunkerque. The town is well built, but is unhealthily situated among msrshes, and has 4600 inhabitants. The town-hall is a profusely ornamented gothic building. There are some interesting remains of the abbey of St. Willebrod, which escaped destruction in the French revolution. The town has a cathedral, two churches, an hospital, a college, and several convents. A very important lineu market is held in Furnes, and there is also a brisk trade in agricultural produce. It was formerly fortified, but the fortifications were demolished after the peace of 1815 . Four grest lines of canal meet at Furnes, whence one extends through Dunkerque to Calais, another through Bergues to St.-Omer, another through Nieuport to Bruges and Ghent, and another to Dixmude and Ypres. Iseghem, 8 miles by railway N. by W. from Courtrai, has manufactures of linen, cotton and woollen stuffs, tape, and hats : population about. 9000. Menin, or Meenen, a fortified frontier town, is situated on the left bank of the Lys, by which it is separated from France, and is 30 wiles S. from Bruges. It has a considerable trade in agricultural produce, and there are manufactures of linen, lace, woollen goods, tobacco, and soap, besides oil-mills, breweries, and salt refincries: population abont 8000 . Nieuport, or Nieuwport, a fortified port, little frequented except by fishermen, is 6 miles N.W. from Furnes. The chief public buildings are-a town-hall, a handsone church, two hospitals, and an orphan asylum. The population, numbering about 3400, aro engaged chiefly in fishing, ropcinaking, and building small coasting vesaels. Poperingen, or Poperinghe, a flourishing town, is 26 miles S. by W. from Ostend. The town has two parish chnrchcs, and five other churches which beloug to convents. Coarse woollens, lace, and linen are manufactured, and there are several oil-mills. A large trade is carried on in hops, which are grown in the neighbourhood of fine quality and in great abundance: population about 10,500 . Roulers, or Rousselaer, is situated on the Mandel, a small affluent of the Lys, 18 miles S. from Bruges. The inhabitants are chielly occupied in the manufacture aud bleaching of linen. Flax is largely cnltivated in the neighbourhood. The pasture land in the vicinity is also very rich, and many fine cattle are reared : population above 10,000 . Thielt is 15 miles S . by E. from Bruges, on the road from Dixmurlo to Bruges. It is a well-built town, with many good modern houses, two handsome churches, establishments for bleaching linen and flax, several breweries, and flourishing manufactures of woollens and linens, gloves, starch, tobacco, \&c. It has an important flax and linen market: population about 12,600 . Thourout is situated on the railroad from Bruges to Courtrai, and distant 11 miles from the former. It is a well-built town, with a population of about 8500 , who have a considerable trade in linen, flax, and linseed. Warneton, or Waerton, is situated on the left bank of the Lys, 6 miles S.S.E. from Ypres, and has a population of about 6000 , who manufacture beer, starch, chocolate, and salt. Werwick (pronounced and sometimes written Vervick), is also situated on the left bank of the Lys, 10 miles by railway S.W. from Courtrai, and has a population of about 5700 . Y $\mathbf{p r e s}$, or Yperen, is a strongly fortified town, situated in a fertile plain on the banks of the Yperlee, in $50^{\circ} 50^{\prime} \mathrm{N}$. lat., $2^{\circ} 53^{\prime} \mathrm{E}$. long., at a distance of about 20 miles by railway W. from Courtrai, and has a populatiou of above 16,000 . The situation is somewhat unhealthy on account of the surrounding marshes, but lesa so than formerly, as these have bcen partially drained. It is however a flourishing town, and hss manufactures of lacc, linen, serges, and other woollens, cotton, thread, and silk, and there are many tanneries, oil-mills, dye-houses, and blcaching-grounds. Thread is a staple manufactnre of the town. The kind of hinen called 'diaper' was formerly made here, and the name is said to be a corruption or mispronunciation of $d^{\prime} Y_{\text {peren }}$. The town-house is a gothic building of large sizc, with a tower in the centre, and there is a large gothic cathedral, an exchange, and a royal college. Jansen, the founder of the sect called from him Jansenists, was bishop of Ypres; he died in 1683, and was buried in the choir : population, 15,750. In the 14 th century Ypres had a population of 200,000 , and was an important manufacturing town. At that period there were 4000 looms constantly at work in the town. The town originally sprung up abont a fortress built by Baudouin Ill., count of Flanders, in A.D. 960 . In 1388, Philippe the Bold, duke of Burgundy, enlarged the town and surrounded it with walls. The French in the time of

Louis XlV. held it for a long time, and greatly strengthcued the fortifications. Under the French empire Ypres was the capital of the department of Lys, which coincided with West Flauders. The history of the town presents a long series of sieges.

Agriculture.-Flanders was remarkable for the cultivation of its soil long before any other country north of the Alps or Pyrenees. This was the natural consequence of its commercial prosperity; and although very little change has taken place, and very few improvoments have been introduced for more thau a century, it still ranks very high amongst sgricultural countries.

It is not the richness of the soil which is the cause of the abundant harvests which the Flemish peasants reap, but their indefatigable industry. The greater part of the land in Flanders is naturally poor ; and in extensive districts, which now have the appearance of the greatest richness at harvest-time, the original soil was once little better than the blowing sands which are met with iu the neighbourhood of the sea. Neither is it a geuial climate which brings forward the fruits of the earth in abundance; for the climate is inferior to that of France or the southern parts of Germany; and if there are not so many or such sudden changes of weather as in Great Britain or Ireland, the winters are longer and more severe. The average temperature in summer may be somewhat higher than in the countics which lie in the same parallels in England, and the time of harvest somewhat esrlier; but this does not make a difference of more than a week in the maturity of every kind of grain. The winters are moro severe in ordinary years, and the snow lies longer on the ground.

The soil may be divided into two classes : the first consists of the slluvial clay-loams near the coast ; the second, of various sands and light loams which are found in the interior. The most fertile is that of the low lands which have been reclained from the sea by embankments : it is chiefly composed of a muddy deposit mixed with fragments of marine shclls and fine sea-sand. These lands are called 'polders;' and their great natural fertility causes them to be cultivated with less art and industry than those lands which are much inferior.

The cultivation in the polders has nothing remarkable to entitle it to much notice. Barley seems peculiarly suited to the soil, and very heary crops of this grain are obtained; especially in those polders which, having been more lately embanked, are not much exhausted. Eight and even ten quarters per acre have been obtained with little or no manure; and the second crop of barley sown in succession has often been the best. Oats are also very productive and of good quality, frow ten to twelve quarters per acre. But these heavy crops soon reduce the natural fertility, and after a few years the produce is greatly diminished, and the land requires to be recruited by manure and cleaused by fallows. The extent of the farms in the polders is from 100 to 250 acres. The farmers in general are in good circumstances, and the buildings substantial. The air of the polders is unhealthy, and all those who are not inured to the climate are subject to fevers and agues. On this account land lets at a lower rate, and the wages of labour are higher iu the polders than in more healthy districts.

In the interior of East and West Flanders the soil varies considerably, but the principal part is of a sandy nature. The saud and a heavier loam are found much intermixed. These layers are not of great thickness; and the accidental circumstance of the washing away of the sand in some places, and the depositions from the rivers in others, easily accounts for this variety. Some of the elevatious, which are nowhere considerable, consist of a very poor sand, aud suggest the idea of their having once been the sands of the sea blown into hills, as is observable on the coast. These hills have gradually been cultivated and improved, and only a few remain covered with heath or wood.

At a distance from large towns it would be impossible to obtain the requisite quantity of manure, and accordingly it is made on the farm. The cattle are the principal source of the supply; but every expedient is resorted to in order to incraase the quantity and improve the quality. Every kind of vegetable or animal matter is carefully collected, and made to undergo the putrefactive fermentation by being mixed with others already partially decomposed. Nothing excites heat and putrefaction more than urine when it is poured over substances subject to decomposition. In every farm-yard there is a vaulted cistern or pit into which tho objects to be acted upon can be thrown, and into which the urine or drainings of the dunghill can be made to flow: by frequently moving and stirring the mass, the decomposition goes on rapidly, heat is evolved, and the fibres and dried juices of vegetables are decomposed, and become soluble in water, in which state their effect on vegetation is greatest. This manure is generally ploughed into land in an active state of fermentation.

In the tillage of the land the Flemings use few and very simple instruments. The common plough for light lands is a small light plough without wheels, and drawn by one or two horses. It is the most perfect plough for light sands, acting like a shovel at the fore part of the turn-furrow, which is concave, and completcly turns over the soil. In the stiffer soils the turn-wrest plough, with two wheels, is sometimes used, made much smaller and lighter than the heary Walloon plough.

An instrument peculiarly Flemish is the 'traineau.' This is a
woolen frame of a triaugular alape, covared with boards, which is frawn over the ground to suooth tho murface and preas in the sced. The harrows in coumon use are also triangular, sud made eutirely of wood; the pius are driven obliquely and point furwaris, so na readily to enter into the gronnd when the harrowe are drawn by the angle.

The most important instrument in Fleminh agriculture in the spado, which is used to a ninch greater extent than in lingland; and in somo instances is the only instrumeut of tillnge. The tronching spale in made light and long, and in well adapterl to the loone anncly soile The first step to improrement is genemally a cotupleto sud decp treneling; and in the Waon distriet $n$ nixth part of the whole farm is trenehed overy year; mad where this is not dowe, the intervals leotween the stitches in which the land has been ploughed are dug ont with the mpale a foot or 16 inches deep, and tho enrth tlirown evenly over the buds in which the seed has been sowu. I3y shifting these intervals a foot every year, the whole of the land which lies in stitehes of foet wile ia dug, and the upper and under soil inixed regularly. This jrocees is extremely useful in produciug an even crop, especially of flax, the roots of which strike deep.
Fhax is everywhere a most important crop, for it inneln exceeds all other crops in value. Where it can be raised of a tolerablo quality, every other crop lan a refercuce to this; and the rotntion of crops (which sysiem of farming is very generally adopted) is arranged accordingly. Thero is no country where more attention is paid to flax than in Flanders, especially in the neighbourhood of Courtrai. The land ia bronglit into the highest state of richnoss and cleanness before flax is sown in it ; and tho nost abundant manuring with refuse oilcako and urine is thought essential to raise this crep in perfoctiou.

On the heavler lonms colza, or mpe, is an important crop for the seed from which the oil is expressed. Potatocs and bectroot are raied in considerablo quantities, but the farmers prefer to beetroot turuips and carrots, a crop of wlieh cau be raised on the same land that has borne another valuable crop the same year. In the beavicr lomme, which aro chiedy to be met with in West Flanders and about Alost, the following rotation is adopted:-flas, clover, farley or oats, beans, wheat, ryeand turnipa, potatocs, colza and carrots, flax; or finx, colza, wheat, rye and tumips, oats, clover, wheat, ryo.

There are some very rich pastures in Flanders about Furnes and Disinnde, where excellent butter is made. A great many heasts aro fed in nummer. The best cows and oxen are of the Dutch breod; those which are bred in Flanders are inferior. The breed of horses in Flnnders is large and heary, but defieient iu activity and clunsy in form. The inarea were once in repute for heavy carriages, but at present an equipage drawn by Flanders mares would bo an object of wonder, if not of ridicule. Many horses havo been imported into Fingland from Flanders as cart-horses. The Flemish sheep aro coarse in the wool, and inferior in carcass. The pigs too are as badly shapod, hut a better breed has been recently introduced.

The farm huildings nre very good and convenient in gencral. The farms are suall, compuared with those in other countrics; 120 acres is considered a rery conmiderable occupation. In the Waes country, which lies iu the nortls of East Flanders near Antwerp, and is culti. vated like garden; the farme are very small, 50 acres bcing amonegst the largest, and the average is not above 15 acres. A farm of this deseription require only one horse to cart the manure and plough the land; four or five cows are the nsual complement, with two or three pigs.

FLECHE, LA. [Sartur.]
FLEETV'OOD. [Lascasmine.]
FLEGG, F:AST and WEST, two bundreds in the eastern division of the connty of Norfolk, which have been eonstitutod a Poor-Law Union. The iccorporatod huudrods of East and West Flegis aro bounded N. ly the river North, eeparating Weat Flegg frein the lundred of Happing $;$ E. by the North Sea; S. by the river Bure, separating liant Flegg from the bundred of Walshans, and W. by the hundred of Walnham. East and West Flegg lundreds comprise an seas of 29,057 acres, aud a population in 1851 of 8197 . Fast nud Weat Flogg Poor-Law Unlon contains 20 parishes, with an area of 25,035 acres, and a population in 1851 of 8199.

FLENSSBOIRG, a town at the southern extremity of the Flenso Sors Fjord, an inlet of the Baltic, and in the centre of the ducliy of Schleswlg, stands in nbout $64^{\circ} 47^{\circ} \mathrm{N}$. Iat., $9^{\circ} 27^{\prime}$ l:. long., and has sbout 16,000 inhabinnts ineluding the suburbs. The town is encireled by hllis on the three sides facing thefjord. It is a pleasant well-built town, inelosen ly an old wall and ditch, outside of which there are threo suhurba Tho strects are well pared and lightel. Flemborg has three German churehen and one Danish, threo market. flacen, a town-hall, na orphan anylum, an hospital and school of midwifery, a puhlic library, a gramune school, an exelange, a theatro, and a houme of correction. It has mereml large manufactories, particularly of apirita, refined sugar, tobacco, maleloth, soap, pajecr, \&c. There are shipbuilding yands, and the peoplo of the town are ownere of between 200 and 300 vesuela. Thore in a good harbour, deep enough for large ahips, but the entrance is difficult. Tho trade is considerable : there are large impora of limood, timber, coala, and raw inaterials; the exporte srespirite, corm, hide and ekin, oil, noap, hallow, fah, dc. A railway, 13 milen In length, counects the town witl Tunning near the mouth of the lijider. Fleasborg is the capltal of a bailiwick of the same mame, which las an area of about 330 square miles.

FLol NT, Flintehire, a markotomm, mea-port, and parliamentary borough, is rituated on the lef side of the gatuary of tho Dee, in $53^{\circ} 15^{\circ} \mathrm{N} . \operatorname{lato,} 8^{\circ} \mathrm{C}^{\circ} \mathrm{W}$. loug. $;$ dintant 187 miles N .W. from Iondon by roml, and 191 miles by the North-Western, aud Cheater aud llolyhead railwaya. The borough of l"lint is governed by four aldermen and twelve councillors, one of whom is anyor; and with St. Asnplh, Holywell, Mohll, and fuar otlrer jlacses, retarise one nomber to tho Imperin] Parliament. Tho living is a pergetanl euracy in the arels. dencoury sud diocese of St . Asapla. The population of the borought of Vlint in 1851 was 3290.

Flint, from which the eounty derises its uame, was formerly the county tomn, but for some time prat the asaizes havo been held at Mold. Flint was probably a Romau station: many IRouran remaius have been dug up in tho neighbourlsood. Tracos exist of Rowan works for smeltiug lead ore. The castlo appears to have bocn built by Henry M., aud strengthened by Eilward I. It was taken by tho Wielsh in 1232. In tho civil var of Clarles I. it was gnrrisouce for the king, but taken by tho Parliamentariaus. It shortly after foll ngaiu into the lands of the lhoyalists ; hut was fiually taken by Gcnemal Mytton, and with other Welsh castles was dismatutlod in 1647 ly orver of the Parliament. Tho remains of the castlo stand to the north enst of the town, ou the sumnit of a rock of freestone. It was a square building with a round tower at each of the four comers. One of these towers, of much larger dimensions thau the others, wha used as a keep, and was separated by a dcep mont from the rest of the building, with which it eoumunicated by a drawbridge.
The public buildings are $a$ inndsome gothic ehureh of recent crection, a county jail built in 1785 , a neat town-hall recently huilt, a national school-house, almshouses for 12 , yoor burgeases, and a chnpel for Dissenters. The trade of the port is small. The sestuary of the Dee is many milen wide, but the low water channel is narrow and shallow. The shifting sands in the channel of the Dee render Flint harbour inaecessible to any hut small reasels. The neighbouring lead aud conl mines, and the works for suelting the lead give extensirc employment, aul furnish the principal articles of exporh A portion of the miners drawn from the inland part of Wales speak Welsh only, hut the great majority of the inhabitants speak English. Tho market has fallen into disuse. There are three yearly fairs. The tomn is resorted to in summer for bathing ; there ary sovernl hot and cold batlis. Some plensment walles are in the vieinity. There is a ferry boat to the Cheshire side of the sestuary. Small boats for the conveyance of passengers ply between Chester and Flint.
(Party, Cambrian Mirror; Land We Live In, vol. iij.; Cliffe, Book of North IVales.)

FLINTSHIRE, a county in North Wales, in the north-castern part of the prineipality. The main portion of tho county extends along the restuary of the Dec, between $53^{\circ} 4^{\prime}$ and $53^{\circ} 22^{\prime}$ N. lat, $2^{\circ} 53^{\prime}$ and $3^{\circ} 29^{\prime} \mathrm{W}$. long. ; and there are two outlying portions The principal outlying portion is bounded N.N.E by the eouuty of Chester, E.S.E. and S.S.W. by Shropushire, and W.N.W. by Denbighshire, from whieh it is scparated by the Dee. The sualler outlyiug portion is situated between tho main portion of the county and the larger outlying portion; it is hounded on every nido lyy Denhighshire, and is very small. Flint is the smallest county in Wales; its area is only 289 square milcs, or 154,005 statuto acres; the populatiou is 1851 was GS,150.

Coust, Surface, Hydrography, and Communications. - The only promontory on the coast is the Poiut of Air. The coast is low, and is skirted in almost evcry part by sands. On the north.west coast are scveral pooln, called Truwyn pools, forming a line along the shore of abont two miles.

Flintshire has no hills of great elevation: the south-west boundary lios along the hills which skirt the valleys of the Upper Alen nual the Clwyd ; and a rango of hills connected with these extends through the county from north-west to south-east, separating the Alen and the lower part of the Clwyd from the restuary of tho Dee. Garreg Mountain, towards the north-west extremity of this range, is 835 fect high, nnd Gwanyagner Down, still farther to tho north-weat, is 732 feet high. From the slopes of this rango of hills a number of small atrenms flow, on one side into the Dee, and on the other into tho Clwyd aud Alen. These rivers, though they liavo part of their course on or within the horder of 1"intshirc, rather belong th other counties [Clwyd; Dee; CuEsume; Desmansume] 'he ucw channel of the Dce below Chester is indced for the most part within the county, and coustitutes the only inland mavigation which it posscases.

Two main lines of road run through the county in a north-wentern dircetion. Onc of thom enters Flintshire from Cheater near Shepherd's Houso on tho Dee, aud passes through Broughton, llawanden, and 11 olywell, where it divides, one of tho branches running through St. Aeaph, the other through lhuddlan. The other main rosel enters Flintshire near Cacrgwrle, from Wrexban in Denbighshire, aud passes through Mold to Bodfarris and theuce to Deuhigh. Cross roads comnect theso main lines with each other, and with tho villages in the interior of the county. The Chester and Holyhend railway passes along the wholo of the restunry of the Dee and the cosst-line of this county. The Blold hranch quits the maiu lino uear the Salney station, and runs first south-west and then north-west to

Mold, about 11 miles. There is a small railroad from the coal-pits near Mold to the Dee.

Geology, Mineralogy, dec. -The new red-sandstone or red marl, the uppermost of the rocks of this county, occupies the two outlying portions; and is found on the north-west coast, in the lower part of the vale of Clwyd, and in that part of the county which is on the north-east side of the new channel of the Dee. The coal-measures occupy the coast of the astuary of the Dee, and the coal-field forms a belt extending from the Poiut of Air to the south-east side of the county, gradually increasing iu width inland. The seams of coal vary in thickness from three-quarters of a yard to five yards, aud the dip varies from one yard in four to two yards in three. Common, cannel, and peacook coal are found. Beds of shale and sandstone, answering in position aud character to the shale and millstone grit of Derbyshire, underlie the coal-measures, and erop out from beneath them on the south-west side of the coal-field, forming a belt more inland than the coal-field, but paralle! to it and to the shore of the Dee, and scparating the cosl-field from the district occupied by the carboniferous or mountain limestone. The mountain limestone occupies all the remainder of the county, except a small tract occupied by the old red-sandstone. Lead-mines are worked iu the limestone near Holywell, and between Holywell and Hawarden. Silver is extracted from the lead-orc. Ironstone is abundaut in the coal seam; and in the mountain limestone rich hematitic iron-ore is found. Copper, zine, and calamine are also found.

Ditivions, Towns, de.-The present division is into five hundreds. Prestatyn, in the north, along the coast; Rhuddlan, in the west, towards Denbighshire; Mold, in the east and south, towards Cheshire and Denbighsbire; Coleshill, in the north-east, along the æstuary of the Dee; and Maylor, comprehending the larger detached portion of the county, and one or two parishes in the south-east of the main part. Tho smaller outlying portion is in the hundred of Mold, Flintshiro contains onc city and contributory borough, Sr. Asarm, on the Elwy ; one principal borough and ex-county town, Funt, on the astuary of the Dee; six other contributory boroughs, Holywell, near the wstuary of tho Dee, MoLD, the present county town, Caergwric or Caergwyle with Hope, on the Alen, Overton, iu the larger outlying portion of the county uear the Dee, Rhyddlan or Rhuddlan on the Clwyd, and Cacrwis, or Caerwys, not far from Holywell on the road to Denbigh. Of those printed in small capitals an account is given under their respective titles. The other places in the county requiring notice we mention here, with tho population of each iu 1551:-

Bagillt, on the left side of the asstuary of the Dee, populstion of the ecclesiastical district 3303, is situated 10 miles N. by W. from Mold. Bagillt has acquired some importance from the establishment of lcad-works and collieries. Lead-smelting is carried ou; there are also cstablishmenta for mannfacturing the lead into various articles for sale, and for making red-leal. Thero are in Bagillt a district church, several Disscnting chapels, and a National school. At this place is a station of tho Chester and Holyhead railway.

Caergnorle, or Caergucyle, in the parish of Hopc, or Queeu Hope, is on the right bank of tho Alen, about 7 miles S.E. by S. from Mold: population of the borough, 719 . The uame Caergwrle has been derived from Caer Gawr Lle, 'the camp of the giant legion,' from the 20th Romau legion, which was named 'Victrix,' and had its headquarters at Deva (Chester). The legion probably liad an outpost at Flint; ou the tiles of a Roman bath found here was tho inscription 'Legio XX.' Some vestiges of Roman roads and other works were formerly visible in the neighbourhood. The castle appears to have been known by the English under the name of Hope Castle, giving namo to the district of Hopcdale. The castle is now a mere ruin. The hill on which the castle stood is precipitons on one side and of stecp ascent on the other: on the accessible parts it was protected by deep ditches cut iu the rock. This rock, which is a breccia of small pebbles lodged in grit, was formerly quarried for millstoues. The neighbouring hill, called Caergwrlo Hill, affords limestone, of which a great quantity is burned into lime. In the parish are part of the ancient Wat's Dyke, aud an ancient British post, called Caer Estyn. About a mile distant from Caergwrle is the village of Hope, on the loft bank of the river Alen. Fairs are held at Caergwrlo on Shrove Tuesday, May 10th, August 12tb, and October 27 th.

Caerrys is in Rhuddlan hundred, near a small stream which runs into the Clwyd, 12 miles N.W. from Mold: population of the parish, 635. The assizes for Flintshire were held here till the year 1672, when they were removed to Flint. Caerwys is believed to have been a Roman station. In the middle ages the Eisteddfod, or general meeting of the Welsh bards, was held here. The last legally called meeting of this kind was lield at Caerwys by summons from Queen Filizabeth. The first modern reviral of the Eisteddfod took place here in 1798. Caerwys is now a mere village. It possesses a neat church, with chapels for Wesleyan and Calvinistic Methodists, and a National school-house. A littlo woollen-cloth is made, and there is a small wiro-mill. Caerwys is now chlefly iraportant for its cattle fairs, which are tho largest in tho county, and attract numerous purchasers from England. Eight fairs are held in the course of the year.
Havarden is a mile and a half from the left bank of the Dce, on
the road from Chester to Holywell, 6 miles E.N.E. from Mold, population of the township 556, a considerable decrease having taken place in consequence of the discontinuance of the Hawardeu irouworks, There was a castle here at a very early date: it was the residence of the barons of Mont-Alto or Mold, stewards to the powerful earls of Chester. It was rebuilt before 1280. On the night of Palm Sunday, 1282, during a tempest which favoured the design, it was stormed by David, brother of Liewelyn, prinee of North Wales, in the last struggle of the Welsh with the English. At the close of the civil war of Charles I. it was dismanticd. The remaius are a fine circular tower or keep on the summit of a mound, a few walls, aud part of the foundations. The town is well built, and consists principally of one street nearly a mile long. The church is a plain building. There arc chapels for Wesleyau aud Calvinistic Methodists. Several extensive coal-pits, brick and tile-works, aud potterics are in the parish, and railroads convey the produce of the works to the river. The market is ou Saturday, and there are two jearly fairs. Hawarden Castle is a modern castellated mansion; the ruius of the old castle are within the park. About 2 miles N.W. from Hawarden are tho remains of Ewloe, or Owloe Castle, an ancient keep or stronghold, picturesquely situated on the margin of a wooded glen.

Overton is pleasantly situated near the right bank of the Dee, 18 miles S.S.E. from Mold : population of the borough, 1479. Edward I. granted Overton a weekly market, but it has been for some time discoutinued. The chureh is a hsndsomo building, and the churchysrd is remarkable for some fine yew-trees. A Wesleyau chapel, a National school, and a house of correction are in Overton.
Rhuddlan, or Rhyddlan, is on the right bank of the Clwyd, rather more than 2 miles above its mouth : population of the borough, 1472. Llewelyn ap Sitsylt, prince of Wales, built a castle here in the early part of the 11 th century. In 1063 it was surprised and burnt by the Saxons under Harold. It was soon restored, but shortly afterwards re-conquered by Robert, nephew of Hugh Lupus, earl of Chester. In 1282 it was attacked by Llewelyn, the last priuce of Wales, and his brother David, but without success. Edward I., sensible of tho importance of the place, built a new castle a little to the uorthward of the former one. In this castle Edward's queen, Eleanor, gave birth to a princess. Edward made the town a free borough, and bestowed upon the inhabitants many immunities. He also assembled here, in 1283, a parliament or council, in which Wales was divided into couuties, ancient laws and customs which appeared detrimental wero abolished, new ones iutroduced, and many important regulations established, by what was called the 'Statute of Rhuddlan.' An old building near the centre of tho town has an inscription on its wall, placed there by Dr. Shipley, late dean of St. Asaph, intimating that in that house Edward held the council referred to. Rhuddlan Castlo was in the great civil war garrisoned for the king, but was taken by Geueral Mytton iu 1646. The Parliament gave orders that it sbould be dismantled. The rillage of Thuddlau consists of a main strcet running down to the Clwyd, and some smaller strects. The principal buildings are the castle, the church, the ancient priory, and places of worship for Wesleyan and Calvinistic Methodists, Independents, and Baptists. There is a bridge over the Clwyd of two arehes, rebuilt or repaired about 1595 . The castle erected by Edward I. was built of red-sandstone from the neighbouring rocks, and formed a squsre externally, having at two opposite angles double round towers, and single ones at the other angles; the court-yard was an irregular octagon. Somo of the towers are tolerably entire. About half a mile south of the castle stood tho priory of Black Friars, founded son? time before 1268, and which continued till the dissolution. The Toot-hill and the ruins of tho priory are comprehended in an extensivo area surrounded by a fosse which communicates with the castle ditch. The river Clwy is navigable up to the bridge at spriug-tides for vessels of 60 tons. Lead-miues give employnent to mauy of the inhabitants. There is a large export of corn. A steam-packet plies between Rhuddlan aud Liverpool. There are four fairs in the year; the weelly market has beeu discontinued for several years.

Dyserth, 20 miles N.W. from Mold, population of the parish 1030, is on the road from Holywell to Rhuddlan, about 3 miles from the sea. The chureh, which is situated in a hollow, was erected in 1603; the east window contains some painted glass. In the buryiug-grouud are some curious tombstones, two ancient crosses, and some old yewtrees, The ruins of Dyserth Castle staud on a lofty eminence commanding a fine view of the Vale of Clwyd. Near the eastle are the valuable lead-mines of Talargoch. Greenficld, on the left bank of tho æstuary of the Dee, 13 miles N.N.E. from Mold: the population is returned with Holywell parish. At Greenfield are extensive copper, ziuc, and paper works, which afford employment to mauy of the inhabitants. South-east of the village are the remains of Basingwerk Abbey. Of tho abbey buildings but a few fragments are left. Halkin, 7 miles N.N.W. from Mold : population of the parish, 1777. Porcelain clay of superior quality has been found in Halkin Mountain, though not much worked of late. Newmarket, 18 miles N.W. from Mold, population of the parish 642, was formerly a market-town, with a town-hall in which quarter sessions were held. The place is now a mere village. Horseraces were onco held near tho village. Tho Endowed Free Grammar school has fallen into abeyance. Iu the churchyard are an ancient stone cross, curiously carved, and some
elaborately wrought tombistones. Numerons oljects of lutercst are in the nefplibourhood. On the mumnit of a hill ealled Copir Leni in an extenaive tumulue formed of limestone, and covering a space nearly an aere in extent. From the hill is ohtalned, fine riew of the restuarion of the Voe and the Merzey, as well as inland. On the top of Axtou Mountain stood formerly a fortres called Castell Exlwiu. Northop, 4 milea N. from Mold, propulation of the townalip 719, ocenpies a pleaent site iu a fertile dintrict, and has in its vicinity many gool family mansions. The church is in the perpendicular ntyle, with a lofy tower. Northop is tho mother church of Flint, from which it is about 1 miles distant. Thyl, on the shore of the Atlantic, near the mouth of the river Clryd, 22 miles N.W. from Mold : populatiou of the ecelesiastical district, 1563 . Rhyl has risen into rome importance na watring-place; and the usual conveniencos have leen provided for summer visitors. There are numerous lodging. housea, lathing-machines, hot and cold bathe supplied with sea-water, news-roons, bowling.green, \&c., at Rhyl. There are here a now distriet church, and chapels for Independents and other Dissenters. Steamern ply regularly between Rhyl and Liverpool, and occasionally to Bangor Aud Heactoaris. The Chester and Holyhead railway has a station at 1 hbyl .

Dirivions for Ecelesiastical and Legal Purposes.-Tho county of Fiut is 10 the diocese and archdencoury of St. Asmph, and in the ecclesiastical province of Canterbury. It contains 32 parishes or parochial chapelrics According to the 'Census of IReliglous Worship,' taken in 1851 , it appears that in the two registration districts of Holywell and St. Asaph (population, 66,335), there were then 215 places of worship, of which 110 belonged to various sections of Methodists, 41 to the Episcopal Church, 3t to Indepeudents, 21 to Baptists, and 9 to minor bodica. The total number of sittings provided was 53,865 . The connty is divided by the Poor-Law Commissioners into three unions: St. Araph, Hawarden, and Holywell, which include 43 parishes and townahips, with an area of 187,971 acres, and a population in 1851 of 76,529 ; hut the boundaries of the unions cxtend heyond those of the county. Flintshire is included in the North Wales and Chester circuit ; the sssizes and quarter sessions are held at Mold; hut the county jail is at Flint, the former county town. Couuty conrts are held at Holywell, Mold, and St Asaph. To the Imperial Parlianent two members are returned from Flintshire, namely, one for the couuty, snd one for Flint and the contributory boroughn.

History and Antizuilies.- Flintshire, with the rest of North Wales, was comprehended in the torritory of the Ordovices, except those parts eastward of the Dee, which may bo considered an having belonged to the Cornavii, who occupied the present county of Chester and mnch of the mliland part of England. In the Roman divisiou of Britain the Ordorices were comprehended in the district of Britannia Secunda; the Coriarii in that of Flisvia Ccoariensis Two Roman atations are hy antiquarics fixed in or closely upon the borders of this connty, Varse or Varis, at or near Bodfari (in the latter part of which name the Roman designation may he traced), and Bovium, nt or near Bangor on the Dec. There secms reasou to supposo that the Komans liad posts at or near Flint, Mold, Caergwrle, snd Caerwya. It is probahle that they worked the lead-mines of the neighbourhood, and that the posts were eatablished with the view of protecting or carrying ou that hraneh of industry.
Iu the Saxon invasior. Flintshire suffered. At Banchor, or Basgor (the Romau Bovium) was a vast monastery. The great dyke which Ofa, kiug of Mereile, carried along the frontier of his own dominion and that of the Welsh, may yet be traced to the hills which skirt the valley of the Clwyd, running across the south-western psrt of Flintwhire. The greater part of the county was on the Mercisn side of the dyke. Wat's Dyke, snother sncieut rampart, is also to be traced runuiug through a cousiderahle part of the county. The territory between the two is said to have been ncutral. Ahout a year after OEfs death ( 705 ), a fierce battle was fought within the borler of the county in the marshes between Rhuddlan and the sea, between the Dritons, or Welsh, and the Saxons: the Welsh were defeated with drearlful slaughter, and lost their king, Caradoc: a plaintive Welsh air, 'Morfa lhuddlan,' preserve the memory of this dinastrous day. Immediately after the capture of Chester hy Eigbent of Wessex, Fliutwhire was overrun by the Saxon, who gave new names to the towns, villagen, aud hamleta, snd many Saxons settled in the county. It appears howerer to liave come again under the power of the Welsh princes, and wan ravaged in the reign of Fidward the Confessor by the de lRotholadd (I3huddlan), aephew of Hugh Lupus, carl of Chester, who refortified Rhuddlan Castle Many contesta took place before the Wolsh were subulned: Fintahlre especially continued to be dehateahle ground, and wat the froquent seene of petty hostilitics. In 1277 Fehuilt Fliut Cinatle, and strengthened that of Rhudjugation of Walem, by making goorl roadn, for the adrance of hin troops, In I2s2 the Welsh rrincen, Llewelyn and hin bruther David, roso in arma. David
storned Iiawardeu Castle, and, In conjunction with his storned Iiawardeu Castle, and, In conjunction with his hrother, inrested Flint and Rhuddlan, the only placen lef to the English in The sirance of the Finglish under lidward chavgerl the face of affairs;
Caergwrie was taken by them, the siege of Ihudlan raised, and the
war carried weatwand luto Caeruarronshire. Flintohire appears to have been conatituked a county in the time of lidward I. ; it was part of the carklom of Chewter, and long coutinued to bo under the jurisdiction of the elhlef justice of Chester. The county aud the borough of Flint, with its contributorien, secoived the privilege of sending reprementative to Parliament in the reign of Ienry VIII. In tho civil war of Charles I. tl:le county wan the scene of contest. IIawanden Castle, Flint Castle, and Rhaddlan Castle were takon and retaken by the I'arliamentarians and Royalista All these castles were ordered by the Parliament to be dimmadted.

Among the remains of past ages the canclos are the principal: those of Flint, Mold, Caegwrle, Thuddlan, and liawarlen are notleed elscwhere; the othern are Ewloe and Basingwerk. liwlos consints of two parts, an ohlong tower, rounded at the side and guariled ou tho accessihle places hy a strong wall at some divtance from it; and an ohlong yard, at one eud of which are the reluains of a circular tower. The ouly vestiges of Basingwerk Castlo aypear to bo the foundation of a wall on the verge of Offa's Dyke, in the parish of Holywell.
Of the ancient religious edifices the prineipal aro the cathedral of Sr. Asarif the churches of Mold and Northop, vear Flint; the Cistercian ahbey of lasingwerk, and the chapel over tho celcbrated spring at Hourweli, Basingwerk Ahbey is of uncertain foundation.
Henry II. establinhed here a house of Kuights Templase. The reunains Henry II. establinhed here a house of Kuights Templars. The reunains
consist of the refectory, the chapel of the Knights Templars, and some remaius of offices. The refectory is almost entire; the Tem. plars' chapel is spacious, with long narrow and pointed windows, and slender and elegant pilasters between them on the ivside. The architecture is geuerally in the early Euglish style.

In 1852 the county possessed four sarings hanks, at St. Asapla, Holywell, Maylor, and Mold. The amount owiug to depositore on 20 th November 1852 was $98,50 \mathrm{iL}$ 10 s .10 d .

FLOIRHNCE, Department of. [Firexize.]
FLORENCE (Firenze, Fiorenza), the capital of the grand duchy of Tuscany, and an archbishop's see, is situated in the valley of the Arno, which river divides it juto two unequal parts, the larger or original city being ou the right or northern bank. Its shape is a pentagon about six miles in circuit; it is inclosed hy walls and has eight gates, six of which open to high roads leading to Arezzo, Siena, Pisa, Pistoja, Bologna, and to the Vallombrosn and the Casentino. On the north and north-west a fine plain a few miles in breadth is interposed betweeu the town and the Apenuives, which rise to the height of more than 3000 feet ahove the plain, aud the upper ridge of which has a naked and barren appearance. To the north-east the hill of Fiesole, covered with gardens and country-houses, almost touches the city walls. That part of the town which is south of the Arno runs up the declivity of a rather stoop hill, which is partly inclosed withiu the walls; the gardens of Boboli and the fort of Belvedere crown the higher grounds within tho inclosura Five hridges over the Amo (one a suspension-hridge, erected in 1844) conuect the two parts of the eity; the landsomest of the other four is the Ponte Santa Trinita, which is adorned with marhle statues, and the middle arel of which is 90 feet in span. In the central or most ancient part of Florence (for the town has been repeatedly enlarged, the actual liue of walls dating from the lfth century), which lies chiefly between the cathedral, the old market, the towu palace, aud the river, the strects are mostly uarrow aud irregular, and mauy of the houses have a mean or dilapidated appearance, thongh hero and there are fine churehes and massive square stone palaces which look like fortresses, and were partly inteuded as such during the civil contentions of the commonwealth. Hut the streets which lead from this central part to the present gatea, and which from their more recent date aro still called Borghi, or suhurhs, are lajd out on a regular plan; the outer part of the town also is handsomely huilt, the houses being interspersed with gardens, especially in the neighhourhood of the city walls. The most remarkahle structures iu Florenco are:-1. The Duomo, or Cathedral of Sauta-Msrin-del-Fiore, which was beguu at the end of the I8th century hy Arnolfo di Lajo, was coutinued hy Giotto and other successive architects, until Brunelleschi completed it in the I th century hy raising the nohle cupola ( 384 fect high), which excited the admiration of Mlicliel Angelo. This magnificent huilding is surrouuded hy an open place; ou one side of it rises a detached square tower or belfry 266 fect high, and in front of it is the haptistery of St. Jolin, an octagon chapel rich with sculptures and mosaics. The whole group of huildiugs is cased iu inarble, party* coloured black and white. 2. Il l'alazzo Vecelio, or town-house, which was the seat of the governmeut of the Forcutive republic, a square massive-looking structure surmounted hy a tower 260 feet high, from which the grest hell used to toll to ansemble the citizens or call them to arms. The mquaro in front is adorned with a noble fountaiu and with marhle and hronze statues. 3. Between the lalazzo Vecehio aud the Amo is the handsome bnilding called Gli Ufficii, with arcades forming threc sides of an ohlong court 400 feet in length, raisod hy the Grand Duke Cosmo I. The first story in occupied by the archires, the treasury, other puhlie cffices, and the Magliabecchi lihrary, which contains 150,000 priuted volumes and 12,000 manuseripta The accoud story coutains the celehrated galleria, or museum, formed by the Medicl, which is one of the richest existing collections in seulptures, modals, cameos, bronzes, paiutings, and other works of
art. 4. The church of -San Lorenzo, built by Brunelleschi, the numerons altars of which are adorned with the paintings of Florentine masters. In the body of the church is the modest tomb of the elder Cosmo, called Pater Patrix; in the old sacristy is that of his father, Giovanni, the princely merchant, the head of his family and the founder of this church; and in the new sacristy are the celebrated monument of Giuliano de' Medici, and of Lorenzo, duke of Urbino, by Michel Angelo. Behind the choir of the church is the sepulchral chapel of the grand dukes of the house of Medici, rich in marble, jasper, agates, lapis lazuli, and other valuable stones, on which account it has received the name of 'Cappella delle Pietre dure.' Annexed to the ehurch is the building begun by Michael Angelo and finished by Vasari, containing the valuable library of manuscripts called Laurentiana, collected in great part by Cosmo, Lorenzo, aud the other members of the first house of Medici, but considerably increased since. 5. The church of Santiz Croce is remarkable chicfly for the sepulchral monuments of Machiavelli, Michel Angelo, Galilen, and Alfieri. 6. The Pitti palace, the residence of the grand duske, begun by Brunelleschi aud finished by the Grand Duke Cosmo I., has a splendid gallery of paintings, and a library of 70,000 printed volumes and 1500 manuscripts, chieffy Italian, among others the correspondence of Machiavelli and that of Galileo. The adjoiuing gardens of Boboli are exteusive, and afford a pleasant promenade to the public, but they are laid out and the trecs are cut in the old formsl style; the fountains are remarkably fine.

Benides the above, which are the most remarkable edifices in Florence, thero are numerous other structures which would be considered as an ornament to any city, such as the Riccardi palace, with its valuable lihrary, now the property of the community; the Strozzi palace, one of the most remarkable specimens of the old massive and stern Florentine architecture; the mollern palaces Corsini, Borghese, and many otlıers; the cliurches of San Marco, Sauta Maria Novella, L'Annunziats, Ognissanti, \&c.; the two priucipal theatres (there are seven others); the academy of the fine arts; the hospitals; and the public walks outside the gates.

Florence contains mauy charitable and other useful institutions. There are sevcral elementary schools for boys and girls, besides the schools kept by religious congregations; the Instituto della Santissima Annunziata, in which 800 girls are boarded and instrncted and provided for when they leave the house; bcsides asylums for the orphan, the blind, the deaf nud dumb, and other uufortunate persons; and 'confraternite,' or associations of charitable persons for attending the infirm and burying the poor dead. The medical and surgical college attached to the hospital of Santa Maria Nuova is one of the best medical schools in Italy. The principal academies are that of La Crusco, to which is united the University of Florence, founded in 1438; that of the fine arts ; and the Academy dei Georgofili, which encourages agriculture, and publishes a quarterly journal. Connected with the astronomical observatory, which is a magnificent establishment, are a museum of natural history, a botanic garden, \&c.

The people of Florence are civil, industrious, sober, steady, economical even to parsimony, loquacious and satirical, but docile and quietly disposerl. Among the wealthy and fashionable class great outward decorum is maintained. Fortuncs are moderate, and mostly derived from landed property. Among the Tuscan nobility are many individuals distinguished for their lcarning, and for the liverality with which they exert themsclves in promoting useful and charitable institutions, such as schools, saviugs banks, and works of puhlic utility.

Florence is upon the whole the most pleasant place of resideuce in all Italy. Strangers have also the advantage of the best reading-rooms in the whole peninsula, which are supplicd with foreign journals and literary novelties.

The price of provisions is moderate, the country very fine, and the climate generally healthy, thongh at times foggy in the antumn and cold in the winter. The whole neighbourlood of Florence is studded with villas, country-houses, and gardens, which made Ariosto say, that if they could be all collectod within the inclosure of a wall and joined to the actual city, Florence would he more than equal to two Bomes. Florenco is situated in $43^{\circ} 46^{\prime} 41^{\prime \prime} \mathrm{N}$. lat., $11^{\circ} 15^{\prime} 55^{\prime \prime}$ F. long., 43 miles E. from Pisa, 51 miles S. by W. from Bologua, and 145 miles N.N.W. from Rome. It is joined by railways to Pisa, Leghorn, and Siena. The population of the city in 1852 was 110,714. The manufactures comprisc chiefly silks, carpets, strawhats, mosaics, porcelain, and jewellery.

Florence owes its origin to a colouy of Roman soldiers sent by Octavianus after the victory of Perusia, to whom he allotted part of tho territory of the colony of Fresulx, established about forty years before by Sulla. In the reign of Tiberius we find the Florentines mentioned by Tacitus ('Annal.' i. 79) as having seut a deputation to IRome to deprecate the intended diversion of the course of the Clanis into the Arno, by which their fields would have been exposed to inandation. Little else in known of Florence under the empire, and hardly any remains exist of that period except some relics of an amphitheatre and a few inscriptions. Christianity secms to have been establisherl at Florence in the 3rd century, and several martyrs are reeorded there under Dccius. In the year 313 Felix, bishop of Florence, attended a council at Rome. About 405 the town was
threateued by the Goths under Radagaisus, but was saved by Stilicho, who defeated the barbarians in its neighbourhood. In 542, being again attacked by the Goths under Totila, it was successfully defended by the garrison which Belisarius had left iu it. The Longobards occupied Florence appareutly without violeuce, and Tuscany became one of the duchies of their kinglom. Charlemague haviur conquered the Longobards, organised the various provinces of their kingdom : he appointed at Florence a political chief called duke, and afterwards count, under whom were various officers, who were to be chosen by the count and the people together. Thus a municipal government was early giveu to Florence. In the 12th century, when Italy began to be involved iu the long quarrel between the church and the empire, Florence with the greater part of Tuscany was under the jurisdiction of the Countess Matilda, who dying about 1115 left her inheritanco to the Roman see. From that time the towns of Tuscany began to govern themselves as indepeudent commonwealths, aud the popes favoured this state of things. Florence had theu a very liunited territory, extending ouly a few miles round its walls; but the industry aud speculative spirit of its citizens wonderfully enriched them. They had commercial establishments in the Levant, iu France, and in other parts; they were money-changers, money-lenders, jewellers, aud goldsmiths. In 1078 they first eularged the circuit of their towu. In 1113, whilo the Couutess Matilda was still living, the citizens of Florence took up arms to repel a new delegate seut by the emperor, and accompanied by a troop of arined men. They met him at Monte Cascisli, then an estate of the counts Cadolingi, about six miles west of Florence: Robert the imperial vicar was killed in the conflict, and his meu were routed. This was the first military exploit of the Florentine community, and from that time Florence was numbered among the towns attached to the popes and opposed to the emperors, or, as they were afterwards called iu the followiug century, the Guelph party, although many of the neighbouriug feudatories were of the opposite or imperial party; and as several of them at various epochs became citizens of Florence, or became connected by marriage or otherwise with Florentine families, the seeds of internal discord were thus sown within its walls. For above two centuries after the city was torn with disseusions, first betweeu the Guelph and Ghibeline factions, and subsequently by the Neri and Bianchi, each of which as it got the upper hand oppressed or exiled the leaders of the losing faction. Nevertheless Florence went on increasing in territory aud wealth.
In 1252, upon the death of tho emperor Frederick II., the head of the Ghibeliues as the Pope was of the Guelphs, the Guelphs, who had gained the ascendancy iu Florence, defeated the Pisans and subdued the Ghibchues iu the valley of Mugello and in the Valdarno ; so that this year was theuceforth remembered by the Floreutiues as the 'year of victories.' Iu 1254 they took Volterra; and it was then that they first coined their goldeu florins, which were considered the finest coins in all Europe.
The Ghibelines, supported by Manfred, King of Naples, and led on by Farinata degli Uberti, surprised the Florentines and other Guelphs of Tuscany at Monteaparto, on the hanks of the Arbia, a few miles from Siena, on the 4 th of September, 1260 , and completely defented them, with the loss of 10,000 killed and a number of prisoners. The Ghibelines entered Florence in triumph, the principal Guelphs who survived fled to Lucca, their property was coufiscated, their houses were razed, and a new magistracy was formed from amoug the Ghibeline party, who took the oath of allegiance to Manfred. At a general diet of the Ghibeline citics, held soon after at Empoli, it was proposei to raze Florence to the ground, and listribute the inhabitants anong other towns, as tho bulk of the population was too much Guelph to be trusted; but Farinata indigunutily resisted the proposal, sayiug he would rather join the Guelphs than sec his native town destroyed: this threat had its cffect, and Mlorence was saved. Daute has justly praiscd Farinata for this patriotic act, in which the feelings of the citizen rose above the passions of the partisan.
In 1265 the defeat aud death of Maufred at Benevento turned the scale against the Ghibclines. The Florentines in the followiug year drove away the garrison left by Manfred, and offered their allcgiauce for ten years to Charles of Anjou, king of Naplce, who sent them 800 French horsemeu under Gui de Monttort as his vicar.

In 1268 the expedition of Conradin gave a momentary preponderance to the Ghibelines, but they were soon expelled again from Florence. In 1273, by the mediation of the Pope, peace was made between the two parties, and the Ghibelines were recalled; but this harmony did not last long. In 1280 Cardiual Latiui Orsini, legate of Pope Nicholas III., made a new peace: the more violent Ghibelines were banished for a time, but their property was restorcd to them, and the rest of their party were allowed to return, and to participate in the offices of the state. But the Guelphs, being stronger, did not keep their promises towards them.. For the next thirty years internal feuds prevailed, in which Dino Compagni, the chronicler of the time, and the poct Dante acted a part; and the naries of Guelphs and Ghibchnes gave way, or rather wero replaced, by those of Neri and Biauchi. Blood was openly shed iu the streets with impunity.

After the feuds of the Bianchi aud the Neri, and the banishment of the former, the Florentines besieged aud took Pistoja by famiue in the year 1306. In August 1315 Uguccioue della Faggiuola, at the
leal of the Ghibelines of Pim, couplotoly defentod tho Florontines, joisen ly the other Guclphe of Tuscany, at Blosto Catini, ha the Vial di Nievola. Uguoclone was succeedel in the command of the Ghibe. lines of Tuncany ly Cadtruccio Comernenai, lord of Lucen, who took 1'istoja, and defonterl the Floreutine in a pitclial lattle at Altopascio, ucar the marshes of lientina, in Soptember, 1325. Chatrucelo advancenl to within a mile of Florence, but the Florentines received tivuly assistanco from tho Aajou king of Niaples; whilo the emperor Ludovic V. cance into Italy to support Castruccio and the Glibelince, whose cause bowever mot soos after with an irreparablo lose by tho death of Cns. truccio in September, 132\%. Clanrles, duke of Calabria, on whom tbo Florentines in their diatress had conferred the signoris or loriship of their city, died about the wame time, and his death perhaps saved thern from baving a muster. While thoy were threatened by Castruccio, one of their principal inerchaut houses failerl for the sum of 100,000 golden forias, which added greatly to their distress. In 1333 a great tood of the Amo carricd away three bridges, part of the walls, laid most of the streets of Florence under water, and oaused heary damage. Some years afterwards two noro commercinl companies, 1'ernzzi and Bardi, failed in consequence of the loss of $1,365,000$ goldeu forins, being capital and interest of sums which they had alvanced to Edward 111. of England, and wbicb ho was uanblo to repay.

These facts give an insight into tho soarces of the extraordinary wealth and resources of the Florentines. These sonrces were twofoli, the numerous manufactures at home and the trade and banking speculations carried on by Florcutine merchants abrond. Anong the inmufactures the most important wero those of woollens, silks, and jewellery. The citizens of Florence were classod from 1260 into 12 arti, or companies of trades or professions, seven of which were callod arti maggiori, namely-1, lawyers and attomoys; 2 , dealers in forcigu stuffs ; 3 , bankers and money-changers; 4, woollen manufncturers and drapers; 5 , pbysicians and apothocaries; 6 , silk mannfacturers and mercers; 7, furriess T'be arti minori, on ${ }^{\text {h }}$ lower trades, were originally five-smiths, shoemakers, butchers, carpenters, and mnsons; but they were afterwards increased to 14. Every citizen who wisbed to be eligible to office was required to inscribo his name on tho rolls of one of the trades. Dante had his namo inscribed on the roll of the apothecaries, althongh he never excreised that profession. Of the importance of their foreign trade, and the induence which tbe Florentino merchants or bankers had attained in foreigu countries, wo have a proof in tbe fact, that wbea Popo Boniface VIll., after his clection, received the congratulatory addresses of foreign states, it was observod that no less than twelve envoys accredited to him on the occasion were citizens of Florence.

Their armies were chiefly composed of mercenaries and auxiliaries, and commanded by a furcign captain, or condottiere. The towns and districta subject to Florence retained their local statutes, and elected their own magistrates, but they bad no share in the ceutral government of the republic.
Fresb dissensions among themselves and an unfortunate campaign sgainst Piss made the Florentincs look out again for a foreign protector. Weary of feuds they elected Gaultier de Brienne, of Freuch extraction, but born in Greece, who bore tho title of Duke of Athens, but was an officer in the service of Robert, king of Naples, lord of Florence for life, in 1342. He began by puttiug to death or sendiug into exile a number of citizens of the wenlthier popular families who had till now kept the government in their owu hands, and who were obnoxious botb to the nobles who were excluded from oflice nud to the inferior ordera who attributed to them all their troubles. Having a foreign force of Frenchmen and Neapolitaus at his disposal, his sentences wers summarily executed. In tho course of ten months he contrived to draw 400,000 golden florins, which ho tramsmitted to Naplea, Ho soon incurrod the hatred of all partice, and baving convoked for the 26 Lh July, 1343 , a number of distinguished citizens to consult with them on the affirs of stato, but really for tho purposo of putting them to death, the peoplo, who were already prepared, rusbed to the palace at the cry of 'popolo, popolo,' diapersed tbe duke'n cavalry, and obliged him to capitulato on the 3rd of August, when the binhop of Florence hall bim conveyed safely with bis men outvide of the territory of the republic. Thus Florenco recovered its inulppendence, and tho memory of that deliverance, called 'la Caccinta del Duea d'Alene,' ls still solemnisel at Floronce by the display of the figge of the various trades on tho 26 th of July.

It wha now agreel that tho grandi, or anoient nobles, shou!d have a alare of the offices of the state, but on they soon assumed too mucb, they wero driven away again from the town-hall. Upon this they took up arma, and a battle ensuollin tho streets of Florence, in which the grandi wero defented and their honses plundered nud burnt. This wan the last atruggle of the noblem at Florence. (Macllavelli, lib, 11.) liut a fow years after a new quarrel broke out betwecu two weallity citizen fanillen, tbe Albizzi and the licel, which divlded the city into two partles agnin. The Albizzi at length preponderated, and after exiling a number of citizens of tho opponito party, they formed a goverument composed entircly of popolani grawl, or wealthy citizens The lower trades, inutigated by the kieci and tho Medici, who began at that time to court notlee and popularity, broke out into insurrection la 1898 , forced tho town-hall, Lurnt the arebiven, and after tbreo
days of anarchy, electod a woolcomber, Michele lando, an chief magis trite. Lando, who was a mans of untural gool sonse, snccoeded in re-utablishing order and checking the rioters. After several yoam of troubles, the proplani grassi, with the Albizzi at their head, remmal power in 1352, nud fonnod a new aristocracy, whicb succoeded in retainiug the reins of governuent for 52 years, not bowever without occasional tuunults, conspiracies, and insurrections, until the year 1400. From that gear, Machinvelli says, the city remainod internally quiet till 1433, tho lougest period of tranquillity which Florence hal evor known. The Florentines acquired possemmion, partly by forco nud partly by purchase, of Cortom, Arezzo, livorno (Leghoru), part of the lomagnm, and lastly of 1isa, which thay took through famine and treachery in Septembor 1406.

The admiuistration of tho Albizzi was overthrown by Cosmo do' Medici, a popular citizen nud a prineely merchant, in 1434.

Tho first bouse of Jfedici rcapected the republican forms, and were contented with exercising tho chief influcnce in the stato without emerging from the class of citizens. But the foreign wars which desolated ltaly in the 16 th coutury effeeted the fall of that republic, when a member of a lateral branch of the Medici, the live of Cosmo having become extinct, was placed by Charles V. as Duke of Florence The ducal dyuasty of the Modici continued to rule till the year 1737, when, becoming extinct, they were suoceeded by Francis of Lorraine, afterwards emperor of Gerinany, aud busband of Marin Therean of Austria, From this period the history of Florence merges iu the history of Tuscany. [T'uscanz.]
FLORENCE. [Alabama.]
FLORENT,. ST. [CorsicA.]
FLORES. [Azores.]
FLOR1ANNA. [Malta.]
FLO'R1DA, the most southern of the Uuited States of North America, compreheuds a marrow tract of laud extending along the northern shore of the Gulf of Mexico, between $83^{\circ}$ and $87^{\circ} 45^{\circ} \mathrm{W}$. long., and the peuinsula, 320 milea long, and in its broadest part 120 miles wide, which forms tho morth-eastern boundary of the diulf of Mexico: the peninsula and adjacent country as far west as the Appalachicola River were formerly called Last Florida, and the tract west of that river West Florida, but theso names are now only employed as local designations. Florida lies betwcen $25^{\circ}$ and $31^{\circ} \mathrm{N}$. lat., and $80^{\circ}$ and $87^{\circ} 45^{\prime} \mathrm{W}$. long. It is bounded N. by the states of Alabaurs aud Gcorgin, E. by the Athatic Uccan, and S. aud W. by the Gulf of Mexico. Its area is estimated at 59,268 square miles, or about 300 u square miles more than that of England. The following table shows the population and the proportiou of freo coloured persons and slaves in this state according to tho decennial returns, from the first state census in 1830. The total population in-

1830 was $3.4,730$, includiag 844 free coloured persons and 15,501 slayes.

| 1840 | " | 54,477, | " | 817 | \% | 25,717 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1850 | " | 87,443, | , | 932 | " | 89,310 |

Tho fcderal representative population given bs this census is $\mathbf{i 1}, 720$, in whicb number three-fifths of the slaves are iucluded. This entitles the state to send one representative to Congress. T'o tho Seuate, like each of the other United States, Florida souds two members.

Coust-line, Surfuce, - Florida bas a const-line considerably more than 1000 miles iu leugth, but so obstructed by shallows aud sand-banks as to afford few available harbours. The whole of tho eastern coast is flat, and skirted by low narrow islands of sand, whioh he parallel to the mainlaud, and are separated from it by narrow and shallow lagunes, which cannot be unvigated cven by vessels of small burden. This coast has no barbours, except those formed by rivers and inlets at the northeru extrennity, where that of St. Augustine has 10 feet, St. Joluu 15 feet, and St. Mary 20 feet water at high tides.

Opposite the southern extremity of tho peuinsula there is a sories of small rocky islands called keys (a corruption of 'cajos') mostly covered with wood. They begin on the west with a cluster of rocks and sand-banks called tho Tortagns, and continue for some distance enstwand, but afterwards tura to the northeenst and uorth, and terminato at Cape Florila, $25^{\circ} 4^{\prime} 7^{\prime} \mathrm{N}$. lat. Theso islauds, which are called the Floricla kojs, are skirtal towarls tho south and east by a loug narrow coral reef, called the Florida Reef, and both the Florida Keys and the Florida Reef may bo considered as constituting iu this place the left bank of the Gulf Stream, tho beginaing of which may be fixed between the Tortugns and the coast of Cuba, uenr thio Havauna. The Gulf Stream rapidly inerenses in velocity, and between Capo Florida and the Bemini 1slands sometimes ruus five miles per hour. It continues with nearly the same velocity along the eastern shores of Florida up to the mouth of SL. Mary's liver. Tho chief of tho keys, Key West (a corruption of Cayo Lluoso), is about six milea loug and two miles brond, with a spacious harbour which afforls shelter to vessels of tho largest sizo. Kcy West, long tho hauat of pirates and sunugglers, is now an important stato naval station, and bands of 'wreckers' are placed bere for the assistance of vessols in distress, this part of the coast being extremely dangerous. Thirty veasols ha distrosa put into Kcy Wiest in 1850 whicb had been ashore on the reof. Tho ishand, whiols commands the Florida Cbanacl entrance into the Gulf of Mexico, is strongly fortified; Fort Taylor at the north-west angle of tho island, about 1000 feet long by 250 feet deep has beea constructed in the most substantial manuer at a cost
of ahout $1,500,000$ dollars. In this key are salt-ponds which yield annually upwards of 30,000 hushels of salt. The Tortugas received their name from the immense number of turtles which frequent them, as well as the neighbouring keys and mainland, in order to deposit their eggs. These turtles form a considerahle article of traffic.

The western coast of the peninsula is also flat, and as well as that of Florida, west of the peninsula, is like the part already noticed encompassed hy elongated narrow sandy islands, though they do not form such a continuous harrier as along the eastern coast, some parts being quite free from them. But this coast also has shoals stretching off from it, and affords few harbours. Carlos Bay, or Charlotte Harhour (betweeu $26^{\circ}$ and $27^{\circ} \mathrm{N}$. lat.) has no great depth of water. Tampa Bay is spacious, and admits vessels of considerahle hurden. Appalachee, or Appalachicola Bay is a much more important one, affording anchorage for large vessels, though its mouth has only three feet of water at low tide. West of Appalachee Bay the coast is bolder than elsewhere in this state, and there are two or three harbours, hut only one is of much importance, Pensacola, which has 21 feet water on the har, and from 23 to 36 feet in the interior, which is spacious and convenient. It admits vessels drawing 20 feet, and is the deepest port on the northern coast of the Gulf of Mexico.

On the eastern coast there are lighthouses on Amelia Island at the entrance to St. Mary's River; at the mouth of St. John's River; on the island at the entrance to St. Augustine ; and on Cape Canaveral ; on Cape Florida; off the southern end of the peninsula, on Key Wcst, on Sandy Key, and on the Bush Islands, the westernmost islands of the Florida Reef; on the coast of West Florida, on Cape St. George, and Cape Elas at the entrance to Appalachee Bay; on Dog Island and Egmont Key at the entrance to Tampa Bay; at the entrance to St. Mark's Harbour in Appalachee Bay; and at the entrance to Pensacola Bay. There are also floatiug lights off Key West, and Carysfoot Reef.
The southern districts of the peninsula nearly as far north as $29^{\circ} \mathrm{N}$. lat., are low and flat, being mostly covered with swamps called everglades, and containing only moderate tracts of dry land intermixed with the marshy grouud. During tho rainy months, from June to Octoher, it is impossihle to make a land journey across this part of the peninsula. The river swamps, or those formed hy the overllow of the rivers, are generally covered with a heavy growth of timher of various kinds; the pine-harren swamps, or those resulting from the drainage of the surrounding country, are overgrown with pine and eypress. The country north of $29^{\circ} \mathrm{N}$. lat. has a more uneven surface, hut the higher grounds in the interior rarely rise to the elevation of hills. This division contains hetter water, and is better drained ; the swamps are not numerous, and are only of moderate extent. It is besides hetter wooded: this part of the peninsula, consisting chiefly of pine forests, interspersed with savannahs, marshes, and low sandy hillocks, or as they are called here as well as in Georgia, hammocks, or hummocks. The savannahs afford good natural pastures; the hummocks when cleared of the wood, which generally covers them in their natural state, yield excellent arahle land, and the harrens are mostly overgrown with pine forests. The soil in this northern part of the peninsula, though generally sandy, is more fertile than in the southern part. West of the peninsula is the most uneven part of the state, hut it contains no elevations of any consequence. In the northern part limestone is the prevailing rock, and some of the rivers run in differeut places for some distance under ground.

Mydrography and Communications.-The peninsula is drained by the St. John's and hy several smaller rivers. The main hranch of the St. Jolin's River, the Ocklawaha, rises nearly midway hetween hoth seas, and runs north for ahout 80 miles, whenco it turns east, and joins the other hranch, or proper St. John. Both rivers in their upper course form several shallow lakes, and after their union, the channel of the river is more like an inlet of the sea than that of a river, being very wide and nearly without curreut for the remainder of its course, which exceeds 80 miles, and is directed to the north. It is navigahle for vessels drawing 8 feet of water to Lake George, 20 miles ahove the place where hoth hranches unite. Indian River, which falls into the Atlantic about $27^{\circ} 30^{\prime} \mathrm{N}$. lat., forms for a considerahle distance a lagune, divided from the sea hy a narrow sandhank. The other rivers which helong to the eastern side of the peninsula are all small, except the St. Mary's River, whieh, for the greater part of its course, forms the houndary-line hetween Florida and Georgia. It rises in the latter state near $31^{\circ} \mathrm{N}$. lat., and flowing first southward ahout 40 miles, then turns with a hold sweep northward, in which direction it continues ahout 30 miles. The remainder of its course lies to the east: where it falls into the Atlantic it forms St. Mary's Harbour, the deepest port in the United States south of the Chesspeake Bay, on the Atlantic coast. The whole course of this river is ahout 110 miles; and it is for a considerahle distance a fine navigahle stream. Tho rivers helonging to tho western side of the peninsula are more nuraerous than those helonging to the eastern gide. They are however all small; the principal are the Amazura, the Hillsborough, the Asternal, and tho Charlotte.
The rivers which fall into the Gulf of Mexico, west of the peninsula, rise either in Cleorgia or in Alabaman The most eastcrn is GEOG. DIV. YOL. If.
the Suwance River, which rises in Georgia with two hranches, the Alapaha and Suwauee, which unite in Florida and fall iuto the Gulf of Mexico at the northern extremity of the peniusula of Florida, after a course of upwards of 200 miles. The har at the mouth of the Suwanee has only 6 feet of water at high tide. Farther west is the Ochlockonnee, which also rises in Georgia: it falls into Ocklockonnee Bay at the head of Appalachee Bay after a course of ahout 125 miles. Farther west is the Appalachicola, the largest river of Florida. Its principal hranch, the Chatahoochee, rises near $35^{\circ} \mathrm{N}$. lat., on the southern declivity of the high tahle-laud of the Appalachian system, and runs first south west and then south, in which direction it enters Florida, receiving ou its houndary the Flint River, which rises hetween $33^{\circ}$ and $34^{\circ} \mathrm{N}$. lat., and flows 210 miles hefore it joins the Chatahoochee. The united river is called Appalachicola, which flows ne:rrly due south ahout 75 miles, and is navigable for vessels of considerahle hurden in all its extent. The hasin drained hy the Appalachicola and its trihutaries is estimated at ncarly 20,000 square miles. West of the Appalachicola are the Choctawhatchee, the Escamhia, and several smaller streams, all of which have their source in Alahama, and flow in a generally southern course through Florida to their outlet in Choctawhatchee, and Pensacola hays. The Perdido is a small river, and only remarkahle as the western houndary between Florida aud Alabama.

Florida has a considerable numher of lakes, the largest of which are in the swampy districts of the peninsula. Some of these lakes are of great depth, and appear to receive perennial supplies from suhterranean springs. The Lake of Macaco (hetween $26^{\circ}$ and $27^{\circ}$ $\mathbf{N}$. lat.) is the most southern, and also the most extensive; in the dry season it is 25 miles long and 18 miles wide, hut after the rains have set in, it is greatly increased in size. The Eustace and Simmons lakes aro also in the southern part of the peninsula Lake George, which is an expansion of the St. John's River, is 18 miles long and 12 miles wide; the depth of its water is on an average 12 feet. In the west are the Mickasuckee, which is 12 miles long, the Wakulla, the Jackson, and the Imouia. In the districts where the limestone formation prevails there are also numerous lakes; hut they are generally of small extent.

Florida is not well provided with roads. In the south the military roads are almost the only means of land communication. In the north several good coach roads have heen constructed. The only railways yet completed are the St. Joseph's, 28 miles, and the St.Mark's and Tallahassee, 26 nilcs long. Several others of greater magnitude have however heen projected, as well as a ship canal, or, according to another plan, a railway across the neck of the peninsula; and there is little douht hut some of these projects will he carried into execution.

Climate, Soil, and Productions.-The climate of Florida is very mild, and in the southern districts hot. The average mean temperature of the state is about $73^{\circ}$ and the difference hetween the summer and winter is said nowhere to exceed $25^{\circ}$. South of $23^{\circ}$ N. lat. snow is unknowu, and frost, though occasional, is rare. The temperature of this tract approaches that of the West Indies. In summer the thermometer generally rises to hetween $84^{\circ}$ and $88^{\circ}$, and in July and August even to $94^{\circ}$ Fahr. The east side of the peninsula is warmer than the west, which is prohahly to be attrihuted to the high temperature of the Gulf Stream. At the equinoxes, especially in autumn, rain falls ahundantly every day from 11 to 4 o'clock for several weeks. At this period stroug gales are frequent. The climate of Key West and some of the other large keys is said to be as equahle as that of Cuha, and equally grateful to the invalid: the difference of the mean temperature of summer and winter is only 11 degrees.

The entire peninsula is of allnvial formation. The whole of the southern and eastern part is of sand and clay resting on calcareous rocks, which crop out in the north and west, mostly in the shape of a crumhling limestone. This limestone is in many places cut through hy springs and suhterrauean streams, which form cavities from a few yards to several acres in extent, locally designated 'sinks.' Tho soil over hy far the larger part of the state is naturally indifferent, or poor and stuhhorn. The most fertile portions are in the central districts hy the hanks of the lakcs and ponds, and along the watercourses. Westward it hecomes poorer; hut the strip of land along the northern shore of the Gulf of Mexico is more productive. Yet, though so much of the soil is thus naturally indifferent, the warmth and humidity in a great measure compensate, and the lahours of the agriculturist are rewarded hy rich and varied crops.

The vegetation, hoth natural and cultivatod, is chiefly, though not exclusively, that of a tropical climate. Over the northern part of the peninsula extend vast forests of pine with little underwood; the hummocks are covered with red, live, aud water oaks, mahogany, palmetto, dogwood, magnolia, \&c.; and in many parts the swamps and harrens ahound with majestic cedars, chestnuts, and cypresses. The exportation of timher is one of the chief sources of tho wealth of Florida.
Among the cultivated plants, increasing importance is heing attached to the growth of cotton, the Sea-Island or long-staple cotton heing, it is said, now produced in Florida equal to that of South Carolina. The sugar-cane succeeds well in all the maritime parts : tho quantity
raised in $1850(2,752,000 \mathrm{lbw})$ wan searly ten timee an great as in 1810 ( 975.83 illue); the inerease in the cotton mised in the rame year wrs not quite $\$ 0$ per cent. Tobacco, coffue, rice, Indigo, Sisil hemp, Now Zealand fax, maize and other craina, and a great rariety of vegetable aro euccearnlly cullivated. The cocbineal cactns is indigenous. The frulta are exceedingly numerous, and form raluable articlen of export : manen those most rised aro oranges, which fourish excellently and aro of fine flarour, lemons, shaddock, himes, olives, graper, plaoapples, and all kinds of melons.

Orer the extensive grasy prairies, or avannahs, lmmenno herds of cattlo constantly romm, requiring and receiving no caro from tbeir owners cither in summer or winter. Swine llkewise, thronghout the larger part of the state, find for tbemselves sbuadant food in the noots and mast of the country. Game is sald to be more abundant than in any other portion of the United States, Bewides cleer, wild tnrkeys, perse, ducke, and curlers are abundant. Alligators and spakes are numerous. Turtle and a great variety of fish are extremely plentiful all round the coast, and about the keys; and an equally plentlful supply of fresh-water fisb, and the delicious soft-shelled turtle, is found In the lakes, rivers, and creeks of the latcrior. Sponges abourd on many parti of the const, and form \& profitable branch of trade.

Agriculture and commerce are tbe principal occupations of the inhsbitants. Sagar, cotton, tobacco, and rice, with timber, are the staple export is in 1850 tbe number of farms under cultivation in the state was 4304. The extent of improved lands was 849,019 acres, of unimproved lands, $1,248,240$ acres, which together were valued at $6,823,109$ dollars. The total produce of tbe principal crops in 1850 wis is follows :- Wheat, 1027 bushels; rye, 1152 bushels; maizc, $1,996,809$ bushels; oats, 66,586 busbels; potntoes, 7823 bushels; sweet potatoes, 757,226 bushels; rice, $1,075,090 \mathrm{lbs}$; sugar, $2,750,000 \mathrm{lbs}$, and molneses, 352,893 gallons; tobacco, $998,614 \mathrm{lbs}$; ginned cotton, $18,052,400 \mathrm{lbs}$; peas and beanm, 135,359 bushels; hay, 2510 tons. The value of orchard products was 1250 dollars; and of marketgarden produet, 8721 dollars. Very little wine is made.

The number of horses in tho stato in 1850 was 10,818 ; asses and mules, 5002 ; mileh-cows, 72,876 ; working oxen, 5794 ; other eattle, 182,415; sheep, 28,311; swine, 209,453. The products of animals Wero tbus returned:-Wool, $23,24^{7} \mathrm{lbs}$ (in $1840,7285 \mathrm{lbs}$ ); butter, $371,498 \mathrm{lbs}$. ebeese, $18,015 \mathrm{lbs}$; valne of animals slaughtered during the year, 514,685 dollars; silk-cocoons, 6 lbs. bees'-wax and honey, 18,91116s.

Manufactures, Commerce, dec.-Floridn is an agricultural and commercial stato; the manufactures are small in raluc, being merely of sucb articles as the iumediate requirements of the population render indispeusable. None of the staplo manufactures of tbe United States hare been Introdnced bere, the manufnctured goods required being brought from the manuinctnring states and exchanged for agricultural produce. Fren ship-brilding, thougb thls is a commercial state, is harilly to be cousidered as a branch of its industry; tbe only ressel built in Florlds in 1852 being one schooner of 30 tons burden. In 1850 the number of manufncturing establishments producing to the value of 500 dollars and upwards was 121. The total capital invested in manufactures was $1,209,107$ dollars ; the value of raw materin] used, fuel consumed, \&̇c., whs 412,080 dollars; value of products, 982,114 dollars ; the average number of hands employed was 1112 males and 80 females. The 'home-made manufactures' were valued at 75,582 dollarm.

Florida has a very considerablo foreign export trade, but its coastiug trale Is much larger: of the cotton exported in $1851,70,547$ bales wero sent direct to foreign ports, while 111,532 bales wero sent connt-wife; and the other staples are said to bear a like proportlon. The foreipn exports hoveror sppear to bo steadily incrensing in valne: In 1852 tbe ralue of the exports of domestic produce to foreign ports was $2,511,976$ dollnrs; $\ln 1815$ it was $1,514,745$ dollars. The direct foreign lmporta, on the other hand, are regularly decreasing: in 1812 they wero 176,950 dollarn, wbile in 1852 they were ouly 30,713 dollare. The grenter part of the exports of the slato are cleared from Apprala cbicola, which in likewieo the ontlet for eastern Alubama and the muth-went of Georgin, their produco being brougbt down the river in ateamern. The shipplug entered at all the ports in tbe stato in 1850 amounted to 17,980 tons, of whlch 10,162 tons were foreign. The amount of shlpplng cleared amounted to 22,156 tona, of which 12,134 toun wero foreign. The total Alipping owned in the etate amounted to 11,272 tons, of which 2185 tons were navigated by steam.

Lirinions, Towm, dec. Florida Is dlridet into 28 countics. Tallohnsece is the capltal of the atate, but Key West and Peniacola are the largent and most commercial towne, and St. Augustine is the oldest. Thero are few other place of sumpient importance to require notice bere: the population is that of $1850:$ -

Tallohasee, the eapital of Morldy, stande on clevatod ground, 50 me distance from the left bank of the Ocklockounce, in $30^{\circ} 28^{\prime} \mathrm{N}$, Int., $84^{\circ} 30^{\circ} \mathrm{W}$. long., dintant 896 milles S.W. by S . from Wrahington in a direct line: propnlation, 1391. The city wan founded and settled in 1824 on Ita site being selected ss that of the capital of tbe stato. The atrects ane regularly latd out at right angles, and thero are eevernt publlo equares. Its public bullding are the stete-housc, court-house, markot-bouse, United Staten lasd-otice, jail, three churches, and an
neademy. Two newspapern are published hero weekly. In wiuter it Is a place of considerable resort on account of the wainats of its clinato. It in connocted with St, Mark's, Its port in Ockloekonmec Bay, by a railway 20 miles long. A good mill-atreann runs close by the town.
Key I'cas, stands on the key of the mame name, in $24^{\circ} 32^{\prime} \mathrm{N}$. late, $81^{\circ}$ 48' W. long., 480 miles in a direct line from Tallabassee : popmlation, exclnsive of slaves, 1843. The town has growu up entinely within the last 25 year, but is now the largeat in the state. It contains the unual connty building, a district-eourt which has cognisance of all cases of wrecks and other shipping dimastern, a apacions marine hoapital, four churehes, and a connty orphan school. As already mentionch, In speaking of the ialand, the lubabitants are chiefly dependent on wrecking, but thero is a good deal of geneml trade, sud sponge collecting and salt-making aro cousiderable sourees of profit. Steamers to the Havannah call here. Tho shipping belonging to Key West in 1850 amouuted to 6760 tonm, of which 27 ressels of 1539 tons belonged to wreckets. The climate of key West is considered to be aingularly adapted to iuvalids.

Pensacola, tbe capital of Fscambia, stands on the west bank of Pensreola Bay, 10 miles from the Gulf of Mexico, and 156 miles W. from Tallahasece: populntion, 2164. The eity is built on a slightly elevated sandy plain, and is remularly laid ont. The etreets are wide, and there are two pubile squares. It contaius two churehes and the usual county buildings. Peusacola is the principal port of the state, and carrien on a considerable tmac. The shipping belonging to the diatriet in 1850 amounted to 1504 tons Convenicnt Wharis baro been constructed for the shipping. About midway between the city and the entrance to the barbour is the United States navy-yard, containing n dry-dock aud rarious workshops and officers' buildings, aud occupying altogether an area of nearly 80 acres About a mile below are the naval bospital, aud the Barmncas bamacks. Ontwo small islands at the entrauce to the harbour are two forts and a lighthouse.

St. Augustine, situated on an inlet on the east const, about 2 miles from the Atlantic, and 170 miles E. by S. from Tallahassee, population, 1934, is tho oldest settlement in the Union, haring been founded by the Spanlardsiu 1564. It has an appearance of antiquity unusual in tbe towns of the United States, and its inhabitants like to call it the 'ancient city.' The strcets are unurow and tbe houses, irregularly placed, are mostly of two stories, the upper story being of wood and projecting over the lower wbich is of stoue. The principal feature of tho town is the large public sqnare whieh fronts tbe sonnd, and sround which are the chief public buildings, Many of tbe inhabitants are the descendants of the former Spanish and French population. The Roman Catholic elurch is a very handsome edifice; there are three other churches, tbe nsual comney buildings, barracks, and a fort. St. Augustine is much frequented by invalids from the northern states.

Appalachicola occupies a plot of ground one mile square, on the right bank of the Appalachicola River, at the entrauce to Appalacbee Bay, 62 miles S.W. from Tallahassee. It is a port town with a considemble coasting trade; and in 1850 possessed steaners amounting to 2050 tons burden, all cagaged in narigating the Appalachicola River. In the forvign trade there clenred iu the same year 17,132 tons, and entcred 12,196 tons. Jacksenville, the capital of Duvall connty, on the left bank and about 20 miles from the month of the St. John's River, 162 miles F. by S. from Tallahassee : populatiou, 1045. The town contains tbe usual county buildinga, and carries on a good trade with the interior, whence large quantities of cotton are brongbt to Jacksonville for sblpment. The river is hore above a mile wide. The to wn is much frequented by invalids from the north. Miami, on Key Biscajne Bay, is another flourishing village, the resort of persous of delicate health. Pilatha, on the left bank of the St. Johu's River, 178 miles E.S.E. from Tallabassee, is a port of delivery, and the place for the re-shipment of goods from the Upper St. Jobn's and Ocklawaha rivem, It han regular steam-boat communleation Fith Savannal and Charleston. As the chief port for tho export of the cotton, sugar, and rice of the St. Johu's cane-brake marshes, it is a place of considerable trade.
Gorerument, Judicalure, dec.-The right of voting bolongs to all free white male citizens, 21 ycars of age, who have resided for two years In the state, and six montha in the comity where they offer to voto. The legislative body, styled the Cenernl Assembly, consints of a senate of 19 imember , and a house of representatives consisting of 40 membern, wbo are clected biennially. The govemor, who has a qualified reto on all votes of the legislature, is eleeted for four years; hissalary is 1500 dollars. No officer in a banking company, whlle he ls serving in the bank or for twelve montlss afterwands, is eligible for the office of governor, senstor, or representative: nor cau a duellist, or second iu a dusel, hold any office under the state.

The revenue from all sonrces amounts to about 60,000 dollare, the expenditure is somewhat leas. Florida, accorling to the 'State Returns,' under 'publie debt' has 'absolute debt none; contiugeut debt, none.' But it is to be romembered that in these governmental roturus the repndiating states, of which Florida is one, altogether omit tbe repudiated debt. Before ita admisslouinto tho Uuion as a state, Florlds had contracted a very considerable publio debt; but it
now not only refuses to pay either debt or interest, but even to admit its liability to pay either, on the ground that the debt is not recognised in the state constitution. The assessed value of all real and personal property in the state in 1850 was 22,784,837 dollars. The state militia is composed of 12,122 men, of whom 620 are commissioned officers.
The judiciary consists of a supreme court, presided over by a chief justice aud two associate justices, and of circuit-courts presided over by four judges; all the justices and judges have salaries of 2000 dollars a year each. By a law passed in the last General Assembly, the election of the justices of the supreme court and the judges of the circuit-courts is to be given to the people.
Floridn is but badly provided with schools, though the state possesses ample school-funds. There is no college or professional school. The total number of public schools iu 1850 was 69 , the number of scholars 1878: the whole number of childreu in the state attending echool in the year was 4746. Among religious sects the Methodists are the most numerous, aud next to them the llaptists: in 1850 the Methodists had 87 churches, affording accommodation for 20,015 persons; the Baptists 56 churches, with accommodation for 11,085 ; Presbyteriuns 16 churches, with accommodation for 5000 ; Episcopalians 10 churches, with accommodation for 3810 ; Roman Catliolics 5 churches, with accommodation for 1850 ; other sects 3 churches, with accommodation for 1400 persons. Ten newspapers, circulating 310,800 copies annually, are published in the state.

History.-Florida was discovered by the Spaniards in 1512; the frst Sparish settlement was formed in 1564 at St. Augustine, which town thereforo may be considered as the oldest European settlement on the North American contineut, except those on the Mexican isthmus. The Spaniards kept possession of Florida till 1763, when it was ceded to England. It was retaken by the Spaniards in 1781, and remained in their hands at the peace of 1783. In 1819 the United States entered into a negotiation with Spain for the cession of Florida, and a treaty to that effect was ratified by Spain in 1821. The Spanish government however was not inclined to cede the country; but tho feebleness to whioh it was then reduced rendered it incapable of any resistance, and in 1821 Florida was taken poascssion of by General Jackson, by order of the govermment of the United States. The Spanish population nearly all left the country upon its cession. Since its possession by the United States the nost important event in the hintory of Florida was the war which in 1835 broke out between the Seminole Indians, who occupied the central portion of the peninsula, and the American settlers. This war was protracted until 1842, when the Indians were forced to succumb, and were ncarly all transferred beyond the Mississippi. The few Indians then permitted to remain have been lately removed westward bejond the limits of the whito settlements. Florids was admitted into the Uuion as an independent state in 1845.
FLOLRIS, an island in the Indian Archipelago, lying between $8^{\circ}$ and $9^{\circ} \mathrm{S}$. lat., $120^{\circ}$ and $123^{\circ} \mathrm{E}$. long. 1ts length is about 200 miles from east to west, and its average breadth about 35 milea. The surface of the island is hilly, particularly ou the south side, where there are several ligh volcanic mountains, from one of which there was an eruption in 1810. Cotton is one of the products. Sandal-wood, beos'-wax, horses, and slaves are exported to Singapore. The principal port, Ende, is on the south side of the island: it has an excellent harbour. Larantuka, a town on the east side, on the straits of Larantuka, in $8^{\circ} 45^{\prime} \mathrm{S}$. lat., $123^{\circ} \mathrm{E}$. long., is in the possession of the Portuguese, who have succeeded in bringing many of the natives to the profession of the Catholic faith. This is the only part of the island in possession of Europeans. Endé was formerly subordinate to the Dutch presidency at Coopang in the island of Timor; but in 1812 the Bugis inhabitants succeeded in expelling all Europeans. The coast is mostly colonised by Bugis and Malays, but the interior is inhabited by aborigines, a dark curly-headed race, who resemble the Papuas of New Guinea. The island gives name to the Strait of Floris, which separates it from the islands of Solor and Adenar on the east.
FLOTTA. [ORKNEY 18LANDS.]
Flour, ST. [Cantale]
FLUSHING (Vlissingen), the birthplace of Admiral de Ruyter, a fortified sea-port on the south coast of the island of Walcheren, in the Dutch province of Zeeland, is situated on the north shore of the sestuary of the West Schelde, the passage of which it defends. The port is formed by two moles, which break the force of the sea, and beyond these are two canals which enter the town, in the interior of which they form two perfectly secure basins; one of them is of considerable size, and has sufficient depth of water to receive the largest ships of war. The town has extensive dockyards and a handsorne town-hall. 1Flushing camo into possession of the French in 1795, and was mueh nsed by them as a place of rendezrous for their flects. The battcrics by which the port is defended command to a great extent the south entrance to the Schelde. The town is well built, and the population is about 8000 . It was besieged in 1803 by the English expeditiou under Lord Chatham, well known as the 'Walcheren expedition,' and waa taken, but evacuated very shortly after, the port and town having bcen much damaged by the English. Flushing is the seat of an admiralty board. It carries on a considerable foreign tradc.

FOCHABERS. [Elginshire.]
FogGia. [Capitanata.]
Fogo. [Cape Verde 1slands.]
FOHR, a Danish island off the northern coast of the western part of Schleswig, about 25 miles in area 1 t is divided into Osterlandfohr, which forms part of Schleswig, and contains the port of Wyk, $54^{\circ} 43^{\prime}$ N. lat., $8^{\circ} 40^{\prime} \mathrm{E}$. long., 500 feet long, 112 feet broad, and 10 feet deep, which has o bathing establishment ; and Westerlandföhr, which forms part of North Juitland. The islanders are cngaged in natigation, fishery, and woolleu-stocking manufactures. Oysters are exported to Hamburg. The Schleswig part of the island has a population of 2650, and the part belonging to Jütland 2100 inhabitants.

FO1X, the name of a town and former county of France. The town is noticed under Ariège, of which department it is the capital. The county was in ancient times partly in the territory of the Volce Tectosages, and partly perhaps in the territory of the Consoranni. It afterwards belonged to the counts of Carcassonue, but upon the death of Roger I., count of Carcassonne, who divided his estates between his family, it became, about the beginning of the 11 th century, a separate jurisdiction, which fell to Bernard, second surviving sou of Roger. The separate jurisdictiou was afterwards erected into the county of Foix. Gaston 1V., count of Foix, came into possession (by inheritance from his father-in-law) of the kingdom of Navarre; aud the county of Foix, thus united to the other possessions of the houso of Navarre, fell to the crown of France upon the accession of Henri IV. in 1582.

The county of Foic was small : its greatest extent was from north-by-east to south-by-east about 50 miles; its greatest breadth about 35 miles. It was bounded E., N., and N.E. by Languedoc; W. by the district of Couserans ; and S. by the crests of the Pyrenees. Tho territory thus described is watered by the Ariège, which runs through it in the direction of its greatest length. The chief towns were Foix and Pamiers. The county is now included in the department of Ariege, under which head the nature and products of the county are described. [ARIEGE]

FOKIEN. [CHINA:]
FOKZAN. [Moldavia.]
FOl.DVAR. [HUNGARY.]
FOLEMBRAY. [AISNE.]
FOLESH1LL, anciently termed FOLKESHUL, Warwickshire, a small manufacturing town, and the seat of a Poor-Law Union, iu the parish of Foleshill, is situated in $52^{\circ} 26^{\prime} \mathrm{N}$. lat., $1^{\circ} 28^{\prime} \mathrm{W}$. long.; distant 13 miles N.N.E. from Warwick, and 94 miles N.W. from London. The population of the parish of Foleshill in 1851 was 7810. The living is a vicarage in the archdeaconry of Coventry and diocese of Worcester. Foleshill Poor-Law Union contains 12 parishes and townships, with an area of 17,667 acres, and a population in 1851 of 18,528 . The inhabitants are chiefly engaged in weaviug ribauds for manufacturers in Coventry. Besides the parish church aud a chapel of ease, there are chapels for Independents, Wesleyan Methodisto, and other Dissenters.

FOLKESTONE, Kent, a market-town, member of the Cinque Port of Dover, bathing-place, and sea-port, in the parish of Fulkestone, is situated on tho south-eastern coast, in $51^{\circ} 5^{\prime}$ N. lat., $1^{\circ} 11^{\prime} \mathbf{E}$. long.; distant 15 miles S. by E. from Canterbury, 70 miles S.E. by E. from London by road, and 83 miles by the South-Eastern railway. The population of the town of Folkestone in 1851 was 6726 . The town is governed by 4 aldermen and 12 councillors, one of whom is mayor. The living is a vicarage in the archdeaconry and diocesa of Canterbury.

Folkestone was at an early period a place of importance. There are still some remains of entreachments on a high hill in the neighbourhood where the Romans had a tower. A monastery which auciently stood here was destroyed by the Danes. A castle erected by the Saxon kings of Kent, and rebuilt by the Normaus, has been almost wholly swept away, with the cliff on which it stood, by the gradual encroachment of the sea. The public buildings of Folkestone include the market-house and guildhall, which were rebuilt a few years since. The parish church is a cruciform structure of early English date, with a tower rising from the intersection. Christ church, built and endowed by the Earl of Radnor, was consecrated in 1850. The Independents, Baptists, Wesleyau Methodists, and Quakers have places of worship. There are a Public Grammar school, British and Infant schools, a dispensary, and the Harveian Literary and Scientific Institution. A county court is held in the town.

The opening of the South-Eastern railway, the establishment of the steam-packet service between Folkestone and Boulogne on the French coast, and the erection of Folkestone into a custom-house station, have contributed to the rapid and extensive improvement of this port. In custom-house receipts alone the increase has been from $4008 l$. in the year 1847 to $101,856 l$. in the year 1851. On 31st December 1853 there were registered as belonging to the port of Folkestone, 7 vessels of the aggregate burden of 137 tons, and 7 vesscls of 900 tons aggregate burden. During 1853 there entered the port 305 sailing vessels of 30,350 tons, and 431 steam-vessels of 64,781 tons aggregate burden; and there clcared 9 sailing vessels of 719 tons, and 429 steamvessels of 64,638 tons. Folkestonc Harbour has received considerable extension within the last few years, and a fine picr has been
conatructed: a battery protects the town. The works of the SouthEastern railway along the const aro of consilemble maguitude, includlng at Folkentono a magnifcent vinduct acroa the valley in whleh the town stands. Tho mands are well adapted for bathing, and the place is resorted to by numerous risitors Many of the lnhabitantas are engaged in tho fishing on the const. The inarket-lay is Satnrday; a fair is beld on June 2Sth. Folkeatone forms part of the parliamentary borough of Hythe. Harrey, tho discoverer of the circulation of tho blood, whe a natiro of Follkestone.
(llasted, Ǩens; Stock, Folkestone Guide; Communication from Follesfone.)

FOSDI. [Laforo, Trara D1.]
FONTAINEBLEAU, a town in France, tho capital of an arrondisement in tho department of Scine-et-Marne, is situated la $48^{\circ} 24^{\prime} 23^{\prime \prime}$ N. latn, $2^{\circ} 4^{\prime} 15^{\circ}$ F' long., on the high road and railway from Paris to Lyon, 37 miles S. by E. from tho tho former city, and has 827 s inhabitants in the commune. There was a palace or royal residence in tho forest of Fontainebleau in tho time of Louis VIl., who hat crected in 1169, for the use of the royal house, a chapel, which was derlicated by Thomas a lecket, arehbishop of Canterbury, during his stay in Firauce. The spot was a favourite ono both with Philippe Allgusto and with St. Louis, who founded hero an hospital and two chnpols. François I. caused a magnificent chateau to be erected here by the architect and yainter Primaticcio; and this structure has been further embellished by tho taste or axtrivagance of succoeding princes. The kings Philippe tho Fair, Henri I11., and Louis XIlI. were boru hore, and tho first of the threo died here. It was the favourite residence of lieari IV., who mado great improrements in tho palace and the park; and here his daughter, Henrictto, widow of Charles 1. of England, mado her abode. Louis Xlll., non and successor of Ilenri IV., was born In Fontaincbleau, where also Louis XIV. spent part of his youth. The building was completed in this last monareh's reisn. Christiana, queen of Swedon, after her abdiention, resided hero, and has imparted to tho placo a sad celebrity by the death of her secretary, Monaldeschi, whom she ordered to bo executed in a gallery of the chatonu. Ilero, in I635, the Revocation of the Edict of Nantes was nigued; and here, in tho following year, the great Conde diel. Louis XV. was married to Maria Leczinski at Fontainobleau in 1721 ; and his son, the dauphin, died in the same chamber in Which the great Condo ended his glorious career. After the first French rovolution tho palace was occupied by the military school, afterwanis tranferrerl to St.Cyr, and continued in a state of neglect and disrepair till it was completely restored by Napoleon I. to its origiual apleudour and destination as a royal residence. In this palaco Pope Pius VIl. lived for eighteen months a prisoner during tho reiga of Napoleon I.; and here Napolcon himself took final leave of his guands and signed his act of abdication of the throne of France in 18I4. From tho downfall of Napoleon I. the palace was again neglectej and almost forgotten, till 1830, when it was put into a siate of complete repair by King Louis Philippe. The present emperor of the French, Sapoleon 11L, occasionally resides at Fontainobleau.

The town is situaterl in the midst of tho forest of Foutaincblean, and is well built, with hnadsome, wids, and straight strcets. The town hss a college, two fine cavalry barracks, several other reinarkable edificen, a Chiteau d'Esu, or ornamental waterworks, containing a reserroir fed by a spring, tho waters of which supply tho different fountains and basius of the royal palaco; the hospitals founded by Anue of Austria and Madame de Montospan; and the public baths nntl library. Near tho south entrance to the town there is an obelisk, erected in 1786 to commemornto the birth of the children of Qucen Marie Antoinetto. Tho palace has six court-yards, each of which is nearly or quite surrounded with buildings. There are three principal entrancen to it.

Tho park and gardens are in a stylo of magnificence correaponding to that of the palnce: they are adorned with a canal and casende (nearly three-quarters of a milo long, and abovo I 20 feet wide), with meveral emaller canals, a varicty of jetn d'oau, and with statues in bronze and marble. An attempt to assassinate Louis Philippe, king of tho Freneh, way made in this park by Lecomte on tho I6th of April 1846 .

The forest of Fontainobleau contains 40,020 acres, or nearly 64 equare miles; it murrounds on nearly overy sido tho plain on which the town stands: its surfnce is unequal and its soil sandy, intornpersed with blocks of granito, which are quarried for tho pavement of Paris. It is $j^{\text {rierced by a great number of fino aveuuen, and presents much }}$ pictareeque beauty and many extensivo and charming vlews. The forest contains a great quantlty of game: wild boars are numerous.
(Dietionnaire de la Prance.)
FONTAlNE: L'EVEQUF [HaßaULT.]
FONTENAY. [VEwder]
FONTENOY. [HAKAELT.]
FONTERABIA. [BAsquE Provixcza]
FONTEVRAULT. [MANE-RT-loIRE]
FORCALQUIBR' [ALpra, Bassea,]
FORD. [Nortivuderrast.]
FORD AND ILLLTON: [DCBHAM.]
FORU11AM, GHEAT. [KDEX.]
FOIRD1 NGBRIDG Li, Ilatnpuhire, a markct-tomn and tho meat of a Poor-Law Union, in tho parish of Fordingbridgo, is sltuated on tho
right bank of the river Aron, $\ln 50^{\circ} 56^{\prime} \mathrm{N} . \operatorname{lnt}, 1^{\circ} 41^{\prime} \mathrm{W}$. long.; distant 18 miles W. by N. from Southampton, and 89 miles S. WF. from London by roall. The population of the parish of Fording. bridge in 1851 was $31 \%$. The liviug is a vicarage, wleh the parochial chapelry of lbsley anmexed, in tho archdencoury and diocese of Whluchester. Fordingbridge Poor-Law Uuiou contains 9 parishes, with an aren of 23,907 acres, and a population in 1851 of 6148 .
At Forlingbridge the Aron is crosmed by a stono bridge. The town was once of greator extent than at present. Besides tho parinh church, which is a fine building, restored a fow years back, thoro are chapels for Wesleynn Methodists, Indopendents, and Qunkers; National and British schooln, a liternry and scientific institution, and a anviuga bank. A connty court is held. There are manufactures of sail-cloth and of bed-ticking. The market is bold on Fridny, and thero is a yearly fair.
(Warmer, /Iampsire; Communication from Fordingbridge.)
FORDWICII. [KENT.]
FOREHOE, $a$ hundred in tho eastern division of the county of Norfolk, which has been coustituter a I'oor-Law Union. Forehou hundred is bounded N. by the hundreds of Taverham and Eyuafori; E. by the huadred of Iumbleyard; S. by tho huudreds of Shrophann and Depwade: and W. by tho luundreds of Mitforl and Wayland. It comprises 24 parishes, with an area of 40,397 acres, and a population in 185 I of $\mathrm{I} 3,897$. Forchoo Union contains 23 parishes, with an area of 36,403 ncrea, and a population in 1851 of 13,562 .
FORENZA. [Basilicata.]
FOlR ligh, a county in France, the largest of the three sublivisions of the old province of Lyonuais. It was for the wost part comprebended in tho territory of the Segusiani ; and Feur, or Feurs, ono of its chicf towns, was tho Forum Segusianorum of the anoients-a town of somo importance, and probably a Romau colony. From this town the district derivod the designation of Pagus Forensis, whence Forez. It was comprehended, in the division undor llonorius, in tho proviuce of Lugdunensis Prima, and afterwards formed part of tho kingdom of the Burgundians, from whoso domiuion it passed to that of the liranks. It was bouuded N. by Bourgugne, N.E. by Beaujolais, E by Lyonnais Proper, S. by Velay and Virarais, W. by Auvergue, and N.W. by Bourboanais. Tho territory thus definod consists for the most part of a portion of tho valloy of tho Loire, sud of the slope of the hills which separato that valley on tho east from Lyomais and on tho west from Auvergne. It comprehends a coal-field of the best quality in France: produces iron and lead, aud is tho chief seat of the hardwaro manufacture: St. Etienno, tho Bimniugham of France, is within its limits. It produces also abundance of fir-timber and excellent turpentine; and corn, wine of good quality; sud excellent hemp. It is watered by tho Loiro and several of its tributaries, and extends in one part across the hills on the enst side down to tho river lhosone.

The district of Forez was subdirided into Ilaut-loorcz, capital Feurs; Bas-Forez, capital Moutbrisou; aud Ronnaais, capital Roanne, It is now comprehended almost cutirely iu the department of Loirs; a small portiou is includod in that of liaute-Loire.

Forez, Beaujolais, and Lyonnais constituted in the middle ages a county which was rendered hereditary by Guillaume, one of tho officers of Charles tho Dald, in the 9th ceutury. In the courso of time Beaujolais and Lyonnais became scparato lordships; and in tho middlo ages the county of Forez came into the hands of the Dukes of Bourbon, and was, together with their duchy, united to the crown.

FOlRF゙AR, Forfarshire, Scotland, a royal aud parliamentary burgh and market-town, and the chief town of the county, is situated in $56^{\circ} 40^{\prime} \mathrm{N}$. lat., $2^{\circ} 50^{\prime} \mathrm{W}$. long., in a hollow at the east end of tho valley of Strathmore and near a small lako, which formorly inclosod the town on the north and north-west sidem. It is 54 milos N. by E. from Edinburgh by rond, and 76 miles by railway. Tho population of the burgh in 1851 was 9311. The town is goremed by a prorost, two bailics, a treasurer, and Il councillors, and unites with Mlontrose, Arbroath, Brechiu, and Bervie in returning ono member to the Iuperial Parlinment.

Tho town consists chiclly of one irregular line of street called the High-strest, about a mile and a half in leugth, which is crosserl by Castlentrect near its contre. The houses aro generally well built and roofed with gray slates. In tho centre of tho town aro the county buildinge, containing the courthouse and town-lall. Besides the parislı church there are a chapel of ease, a Free churel, and chapels for United Prosbytorians, Independenta, and E:piscopalians Forfar academy, the parish sehool, and other schools amply supply the educational demands of the burgh. Thore are a mechanics instituto, a public library, and a news-room. The county jail is situated in tho outekirts of the town.

Forfar was made a royal burgh in tho reign of Darid I. Anciently tho staplo trade of the burgh was the manufacture of 'bregues', or coarse shocs. At present tho manufacture of Osuaburgs and coarge shectings in carried on in workshops in tho dwollings of the wearers. About 2500 hand-looms are thus employed.

Tho castle of Forfar was a residence of sercmal of the ancient kiuge of Scotland, aud tho seat of their conrts nud parliameuts. Tho cratle stood on a mouut of about 50 foet in lieight, on the east side of Castle-strect. The summit of tho mount is uow ocenpied by an
ancient market-cross. On a peninsula (at one time an island in the lake) a nunnery anciently stood, said to have been the residence of Margaret, queen of Malcolm 1II., and still called Margaret's Inch. From the lnch a causeway runs westward a considerable distance into the loch. The Loch of Forfar abounds with perch and pike, and has a few trout. it also affords cover for wild fowl. In a moor about a mile and a half north-east from the town, are the remains of a trench, believed to have been a portion of a Roman encampment. Some ruins of the priory of Restennet are within the parish. Eight annual fairs for sheep, cattle, and horses are held in the town.
(New Statistical Account of Scotland; Communication from Forfar.)
FORFARSHIRE, a maritime county in the east of Scotland, bounded E. by the German Ocean, S. by the Frith of Tay and Perthshire, W. by Perthshire, N. by Aberdeenshire, and N.E. by Kincardineshire. It lies between $56^{\circ} 27^{\prime}$ and $56^{\circ} 59^{\prime}$ N. lat., $2^{\circ} 25^{\prime}$ and $3^{\circ} 23^{\prime} \mathrm{W}$. long. The extreme length of the county from south to north in a straight line is 38 miles, and its breadth from east to west 26 miles. Its area is 889 square miles, or 568,750 statute acres, of which a great part is moor and mountain. The population of the county in 1851 was 191,264. The eounty returns one member to the Imperial Parliament.
Coast-line.-The chief towns and harbours on the coast are Dundee, Arbroath, and Montrose, the former situated on the estuary of the Tay, and the latter on a sandy peninsula at the mouth of the South Esk River. Between the Buddon Ness and Montrose, which embraces nearly the whole line of sea-coast, the most remarkable feature is the line of sandstone cliffs extending from the neighbourhood of Arbroath to the Redhead, and containing several curious marine caves, the most of which open only to the sea, while a few are accessible from the beach. The shore of the Frith of Tay and tho sea-coast from Buddon Ness to Arbroath is for the most part a tract of sand, though many parts of it are of considerable fertility. The Basin of Montrose, a slallow pool through which the Esk empties itself into the sen, containa an area of 4 square miles. 1t is flooded only at high water. Broughty Fcrry and Carnoustic, two thriving villages on the coast, are much frequented for sea-bathing: the fishing villages of East and West Haven, Auchmithie, Usan, and Ferryden are inhabited almost solely by fishermen. Auchmithie is picturesquely situated among the cliffs, about 5 miles E. from Arbroath. Seaward, about 134 miles E. from the Buddon Ness is the Bell Rock lighthouse. [Bell Rock.] The other lighthouses ou the coast are the two at Buddon Nees, which with the two lighthouscs at Ferry-port-on-Craig on tho Fife side of the Frith of Tay, guide ships in navigating the river.
Surface-There are four natural divisions of the surface of the county:-1. The Grampian district, comprising the greater part of tho north-western half of the county, cxhibits a tract of irregular mountain-ridges, for the most part having a shallow moorish soil, covered with short heath and large tracts of peat-moss; but the many valleys by which they are intersected are fertile and picturesque. Tho Grampians arc here called the 'Braes of Angus:' they rise in several places to an elevation of 3400 feet, and exbibit much of the scencry of an alpine couutry. The principal valleys arc Glen Isla, Glen Prosen, Glen Clova, Glen Lethnot, and Glen Esk. 2. The great valley of Strathmore, which extends across the centre of the county from south-west to north-east. In it are the towns of Cupar, Forfar, and Brechin. Its length is 33 niles, the width from 4 to 6 miles. The surface is undulating, diversificd with streams, plantations, and villages. 3. The Sidlaw Hills, which run parallel with tho Grampians, from the south-west extremity of the county, and terminate in the promontory on the coast called Redhead, which rises to about 1500 fect above the sea. Some of these hills are upwards of 1400 feet high, in many parts covered with short heath, and in others cultivated up to their summits : they contain several fertile valleys. The length of this district is about 30 miles, its width from 3 to 6 miles. 4. The maritime district is included between the Sidlaws and the Tay and the occan, and exteuds from the boundary west of Dundee to the hills about 7 miles S. from Montrose, varying in width from 3 to 8 miles, and sloping gently to wards the shore to the east and the south. This tract is generally fertile, under high cultivation, and adorned with numerous villages, plautations, farms, and villas. Near the shore of tho Tay are mouuds of loose sand, containing exteusive beds of seashells, at least 60 feet higher than the present level of the sea.

Numerous large trees found in tho mosses and marshy ground indicate that formerly the lower part of the county was covered with forcsts. Some of the Grampian glens are partially clothed with oak and hazel coppices and natural birches; others are covered with thriving plantations, but trees do not grow on the higher parts of the mountains. Plantations are confined chiefly to thin moorish soils resting on clay or gravel. On the declivities of the Sidlaw Hills extensivo tracts have been planted with forest-trees, chiefly larch, oak, ash, elm, plane, boech, and poplar.

Geology, Mineraloyy, dec.-The Grampians are composed of-1. Oranite of various qualities, formed of crystallised rhomboidal felspars, commonly intermized with laminated talc or mica. In the cavities and fispures are found yellow and smoke-coloured topazes : when they are white they aro named rock-crystals. Their usual form is that of pentagonal prisms, sometimes 12 or 14 inches in length. 2. Next to the granite a very large proportion of the Grampians is composed of finegrained, harri, and grayish gneiss, and mica-schist. This is always
stratified; the beds lie at various angles, and are often perpendicular. The rock is of a lead colour, but is occasionally brilliant with the mica, which covers the surface of its plates. Among the schistose rocks are veins and detached masses of quartz, frequently of a red colour from the presence of iron. It is thickly studded with small garnets, varying in colour from a faint to a deep crimson. Porcelainstone is abundant on some of the Grampian heights. Its colour is generally white, inclining to gray, or reddish, owing to the presence of iron. Lead-mines were wrought in the Grampian range above a cen. tury ago, and the ore is said to have yielded 1-64th part of silver. Limestone is plentiful in various parts of this mountainous district. At Glenesk on the banks of the North Esk, and at Cortachie on the South Esk, large masses of jasper are imbedded in schistose and micacious rocks. 3. The third component of the Grampian rocks is porphyry. It occurs in broad veins contiguous to the schistose rocks, and forms numerous hills, is generally of a brown, yellowish, or whitish colour, and is interspersed with grains of quartz and rounded felspars. The transition rocks, lying between the granite and flotz, appear ou the declivities of the Grampiaus towards the valley of Strathmore. They consist of schistose-grauwacke slate, in which occur beds of slate, spar, and elliptical masses of jasper, measuring 30 feet by 10 feet. Greeustone, basalt, aud dark-coloured limestone are also prevalent, with compact felspar in extensive beds of a reddishbrown colour. The flootz rocks of this lower district, which rest upon the trausition rocks, present much variety of composition, but may all be referred to the red-saudstoue formation. This sandstone is often fiue-grained, and valuable for architectural purposes. 1t is traversed by extensive beds of conglomerate limestone, greenstone, basalt, amygdaloid, clinkstoue, felspar, and. porphyry, and contains veins of heavy spar, and traces of copper ores. Pearis have been found in the bed of the North Esk.

Iu descending from the Grampians to Strathmore the first rock that occurs after the porphyry is a coarse puddiug-stone, gravel-stone, or breccia. It is sometimes called 'yolky stone,' from being composed of numerous rounded pebbles resembling yolks of eggs, which are held together by a ferruginous cement of great hardness. This rock has evidently been formed from fragmeuts detached from the rocks above described, which, in their progress towards their present position had been rouuded by the action of water. As we descend along the beds of the streams which form the rivers South and North Esk, the puddiug-stone graduates into rubble-stone, which is of a brown or red colour, and consists of particles of sand united by the cement which combines the pebbles in the pudding-stone. Lower down, this first species of sandstone graduates into one which is softer, of a deep red colour, and has beds of red clay interposed betwe n its strata. It consists of particles of silex cemented by ferruginous clay. 1 t often occurs in laminæ, or slates, fit for roofing, and is easily cut with the chisel. Its beds frequently contain detached yolks or rounded pebbles, and pudding-stoue is often found with it iu alternate beds. Shell-marl, formed from the exuvio of several kinds of fresh-water shell-fish, abounds in the lakes in various parts of Strathmore.

The mountain ridges of the Sidlaw Hills are composed chiefly of sandstone, the strata of which lie almost horizontally towards the south, and decline towards the north at an angle of $45^{\circ}$. It is of various colours-red, brown, gray, white, and greenish. 1nterposed between these strata of sandstone are large beds of the yolky-stouc, varying from 50 to 100 feet in thickuess. The rouuded stonea imbedded in this species of rock consist of white and red quartz, jasper, whinstone, porphyry, and gray and red granite, all combined with a ferruginous sandy cement. The superficial stratum of this range of hills is formed of several varieties of whinstone, which appears in the various forms of basalt, greenstoue, porphyry, and a cellular stone by some believed to be volcanic lava. The colour varies also from red, brown, and gray, to green, dark blue, and black. All the kinds of agate and onyx enumerated by mineralogists are found on these hills. Limestone of a peculiar structure is cxtensively wrought. It is composed of rounded fragments of various colours cemented together in a crystallised spar, and is, in fact, a species of mottled marble. Large beds of clay marl occur in several parts of this district aloug the ravines and alluvial bottoms. On the southeast declivitien of the Sidlaw Hills aro large quarries of sandstone flags of superior quality for pavements, steps, tomb-stones, \&c. Those which split off from half an iuch to an inch in thickness are much used for roofing. The slabs from these quarries are exported from Arbroath to Leith, London, and other places. Their strata form a broad continued zone from the south-west to the north-east side of the couuty. Lead has been discovered in small quantities, also some copper ore:

In the maritime district beds of red-sandstone, including rounded fragments as before, occur frequently to the south and cast of the zone of sandstone flags. Veins of whin and porphyry intersect the sandstone, aud form numerous hills. Near Montrose limestone is extensively wrought. The stratum lies deep, and is 25 feet in thickness. The stone is hard, white, and of a fine grain. Rock and clay marl are abuudant in the district round Montrose. Numerous large boulder stoues of Grampian granite lie scattered in the lower parts of the county, and shapeless detached masses several tons iu weight, evidently of the samo origin, are found in the Strathmore and
sarriltme dintricta Very little coal in found. Pest, brushwood, brooun, and furze are used for fuel by the poor.

Hydrography, Commmications, de-Formerly there wore few parishes in this county in which there wan not a lake. The number to now mncl reducal. Some have boen drained to gain arable land, but many more havo been wholly or partially dralned that the marl found in the beds of the lakes might bo usai as manurs. The principal which remain aro Loch loos, in the Grampians, the source of the North Esk River, a mile iu length, embasomed among groupa of lofty mountains ; Lontrathen Loch, a beautiful shoot of water at the base of the Gramplan range, nearly circular, and a mile in diametor: it is inclowed by magnificeat mountiun sccuorj, and its banks present sores mare botanioal plants; and the Loch of liorfar. Liastwarl from Forfar is the Loch of Rencoble, of about a milo in length, and in conuection with it is the Loch of Dalgaries abounding in waterfowl. All thene lakes abound in pike, perch, and cels, and the 1 lighland lakes also contain abundanes of trouth.

The following are the prineipal rivers, or, as they are provincially called, waters:- the North Edt (Gaelio Lieg Water) issucs from Loch Loo, which is foll by mountain streams from the west. Desceuring in a winding course to the east and south-east it reccives almost innumorahle mouutain torrents nutil at Burn it becomes the northern boundary line of the conuty, when, after receiviug the West Water and tho Water of Cruick, it flows south-ensterly through a fertile district, and falls into the seas about three miles north of Montrose. No part of this stream is navigable. The South Esk issues from the worth-went nummits of the Grampiane, aud having received unmerous mountain stresms descends into the valley of Strathmore, where it is further augmented by sevcral brooks: continuing easterly hy the town of Brechin it passes through the Basin of Montroso into the sea. On several of its falls are crected llax-spinning-mills, and other machimery. The fala rises from numerous torrents among the Grampian summits on the north-west side of the county. Its course is south?-West to near luthren, where it turns off to join the Tay, in Perthshive Like the North ksk at Buru in encapiug from tha Grampinas it has worn a chasm in tho granite rocks more than a bundred feet perpendicular ; and it forms cascades of the greatest beanty. One has a clear precipitous fall of at least 35 feut. The banke are vers steep and richly wooded for several miles, and the soevery, at the junction of the Melgam Water is rendered liighly romantie hy the extensive ruins of the ancient fortified castle of Airlie. Tho Dean, Lnumn, Dighty, and other sualler streams are not of sufficient magnitude to require particular notica.
The principal roads hranch off from Dundeo-1, to Arhroath, Moutrose, and thence to Aberdecn; 2, to Forfar aud Brechiu; 3, to Cupar Augus and weutward. These, and other lincs of internal oommuniention, are kept ln good order. There are numperous stoue and wooden bridges across the small streams. The principal one is over the North Fisk, on the road from Montrose to Klucardiue. The railwayn in the county are the Scottinh Midland Junetiou railway, which enters Forfarshire at Cupar Angus and joins the Aberdecn milway through the Arhroath and Forfar railway at Forfar; the Arbroath and Forfar railway is connected with the Aberdecu railway and also with the Duudee and Arhroath railway, a line which runs along the coast from Arhronth to Dundee, where it eommunientes Fith the Dundee and Perth railway by meann of a line of rails carried along the Docks of Dundee. This line is used only for horse haulage. The Edinburgh and Northern line, from Dundee to Eidinburgh through Fife, is connected with the Dundee and Arbroath line at Broughty Fierry. A communication hotween Dundee and the Scottimh Midland Junction railway is effeeted by the Dundee and Nowtylo railway, which joine the Midland line at Meiglo in Strathmore.

Climate, Soil, Ayricullure-The great variety of elcvation causen a correaponding variety of climate. On tho highlands arong the Gramplans, where tho snow lies on the nummits during the greater part of the year, the air ls generally cold and plereing. In the grent inidland ralley, and in the sheltered parts of the maritime district, the climate is comparatively mild aud geninl. On the coast the casterly and routh -west winds are occasionally very wevere. The heaviest rains aro from the cast and south-cast, and the deepest falls of suow from tho north and northeast,
On the Grampians the soil is a thln stratum of moorish oarth, through whleh the rock often juta from a subsoil of whitish clay. In the glems the alluvial moil is looso and friable, haviag a predominn nce of onnh In the lower parts of the county the primary poils are generally thin, monay, and encumberod with loose stones. The primary soils on the madstone rocks are chiedy tenacious clay, naturally unproductive, though when properly wronght producing excellent eropo of wheat. Iu the ralloy of Strathmoro the soils are all allurial, hut elllom fertila Some parts of this valley ane gravelly, others exhluit a woil of barren eand. Fino tracta of ricla black and brown regetable mould ocenr at the weotern extremity of the basin or bake of Hontrone, and In some other placea On the whole, the Grampian clintrict and the declivities of the Sidap Hilln may be asaid to be genernlly coreral with coarso elay and moor prature ; and all the lower lands have partly retentive nubsoils, and partly allurlal woile Along the coant, north of Montrose, between Arbroath and
Dundee, around the latter place and in the inland district botween

Brochin and Forfar, are downs of loose sand partially covered with atuntod grae and useful only as burrowing ground for rahbits. The princlpal bod of peat is called the Dilty Hoss, on a ridge of the Sidlaw Hills. On the Grimpians the best peat-beds occupy the hollows on the highest suumits, which renders it diffleult to obtnin this fuel in the populous lowland distrieta
About a century ago a great proportion of this county was in tha lands of a few ancient fawilies ; but aince the iutroduction of trade and manufactures landod property has chauged handu frequently, and hes becouse much more divided. Farma vary much iu size, some consisting ouly of 20 or 30 acres, others of 800 mores. They are gencrally from 100 to 250 acres, hut many are lese thau 100 acres. The county is well farmed, and the farms are generally hell by enterprising tomants on iupproving leases. Almost crery uneful impropeneut has becu adopted in the mode and implements of agriculture. Draiuing of various kinds is practised extenaivoly. Inclosures nre made chiofly by stoue-dykes in the highlands, aud by stone-lykes and quick-thorn hedges in the plains of Strathmore and towarls the sea Breeds of stock have beeu much improved, and several active agricultural societies exercive a great intucuce in the introduction of snperior modes of culture aud breeding. The chief crops are of onts, harles', and wheat, and the rotation of crops is Varied according to diflercut soils. Wheat is now successfully cultivated at all elevations less thau 1000 feet above the level of the sea. Considcrable quantitics of wheat are annually exported to Loudon and other ports, and American, Danzig, and other foreigu wheats are largely iunported to mix with that produced in the county. Barley is cricusively cultivated. D'eas, beans, vetches, and turnips are grown. The Swedislı turuip is much used for feeding inilch-cows. Red and white clover aro conmon, and are mixed with rye-grass. Potatoes are cxtensively cultivatenl and exported. In the neighbourhood of the towns there are marketgardens and nurserics for the supply of the inhabitants
The ancient hreed of horses in this counts, commonly called Garrons, is small but hardy, and capahle of onduring unuch fatigue. They are still uumerous in the Grampian district. Their colour is gray; they feed chielly on the stunted grass which thcy find on tho sides of the mouutains. The cattlo were formerly diminutive, but they liave betul greatly improved. Tho origiual sheep of this county is the amall whitefaced breed. Some small fiocks of these still remain iu the Grampians, but generally they are much crossed with the black-faced breed of Tweorddalc, which constitute a large proportion of the whole stock of the coulty. Superior and more delicate breeds are reared in the parks and lawns of the resident proprietors. llogs are kept by every farmer and cottager. There are two principal breeds: one, a thin-backed, raw-boned snirual, with loug bristlen, a tapering snout, and projecting tusks, nppears to be the descendant of the ancient wild boar of the forest; tho other is tho small commou Chinese breed, which is hy far the most anumerous. Poultry and pigeons aro generally kept by cecry farmor. Riees aro also comuonly sept.

Game is plentiful ; wild roebucks traverse the exteusive plantations and glons of the Grampinn aud Sidlaw hills. They are suall, timid, and untameable. In ancient tiues tho rol-deer or stag abounded anong the Granpians, but is uow very ravoly gesn. The large nutlers of tho moose deer are found in the mosses, togother with enormous homs of the ancient Caledoniau cattle. The alpine hare, whose fur in winter ls mowy white, is found in tho highest parts of tho Grampians. Otters and acals froquent the rocks on tho castern sea-coast. Duing the salmon-fishing zenson aumbers of seals and poryoises frequent the mouths of the rivers, especially the mstuary of the Tay, where they destroy large quautities of fish. Wild geese and awams visit the county in November. The Grampiaus are frequented by eagles, kitos, and hawks.

Industry, dec-The deep-sca fishing off the eastern coast is very productivc, and large quantitios of salmon and smaller fish arc taken in the lrith of Tay, and at the mouths of screral atreams theuce to the North Esk. The villages of Ferrydcu, Usan, and Auchnithie are cxtensively cugaged iu the sea•fishery, which cinploys the whole of their population: the villages of Broughty Ferry aud Carnoustio also contain a considerable fisher population. In favourable sensons large supplies of salmou are seut to the Loudon inarkct packed in boxes of pounded ice. The most abuudant kinds of tish aro salmon, cod, herrings, haddocks, turbots, sulos, spratio, lobutcrs, and crabs, The lochs and principal streams supply abundance of pike, perch, trout, and celn.

This county is so farourably situated for comuseren that a ready market for its agrioultural and manufacturiug produco cau always bo relied upon, and its exportation of linen fabrios, cattlc, com, and ualmon is very extensive. The coareer kinds of linen fabrics, as huckabacka, canvass, shecting, sackiug, \&o., aro manufaonned in this county to a large extent Finer bleached linens fur shirting and sheetivg, and coloured thread, are also exteusively manufactured. A great deal of the wexving is performed by the hand-loom, hut the spiuning is whully dono by rteam and water power. Of the whole stomupower employed in the linen manufacture in Scotland, Forfarahiro ponsesses about threefourtha It thus form the great seat of the linen manufncture of the country.

Divisions, Towns, de.-There are in lorfarshire 58 parishem.

According to the 'Census of Religious Worship and Education,' taken in 1851, it appears that, so far as could be ascertained, there were then in the county 187 places of worship, of which 67 belonged to the Established Church, 51 to the Free Church, 23 to the United Presbyterian Church, 10 to the Independents, 8 to Episcopalians, 6 to Original Seceders, 5 to Romau Catholics, 5 to Methodists, 4 to Baptists, and 8 to other bodies. Of 170 of these places of worship, the number of sittings is stated at 92,931 . The nurober of day schools returned was 303, namely - 181 public schools, with 15,961 scholars, and 122 private schools, with 6159 scholars. Of evening schools for adults, 35 were stated to be attended by 673 males and 657 females. The number of Sabbath schools returned was 230 , with 18,158 scholars, of which 84 schools belonged to the Free Church, 63 to the Established Church, and 29 to the United Presbyterian Church. Returns were obtained from 5 literary and scientific institutions in the county, of which 4 had an aggregate membership of 970 . With thesc institutions were connected 5 libraries, contaiming an aggregate of 5311 volumes.
The eouuty town is Forpar. The most important town in the county is however Dunaee, and after it is Mostrose Arbroate anciently Aberbrothwick, Brechit, Alyth, and Cupar Argus, are described under their respective titles. The place next in importance is Kirriemuir, an ancient burgh of regality and market-town in the parish of Kirriemuir, situated 5 miles N.W. from Forfar, on the edge of a mountain glen overlooking the valley of Strathmore : the population of the towu in 1851 was 3518 . It consists of several irregular but handsome streets, and has an elegant church, an episcopal chapel, a town-hall, and other public buildings. Its market is well attended. Coarse canvass and various kinds of brown limen are mannfactnred. Many plash-mills, in addition to corn-mills, have been established on a rivulet called the Gaire, which flows near the town. There are several schools, two of which are well endowed; libraries, realing-rooms, and a savings bank.
In addition to the villages of Auchmithie, Broughty Ferry, Carnonstie, East and West Haven, Ferryden, and Usan, referred to in our notice of the coast-line, the following may be mentioned :Edzell, population of the parish 1084, has a handsome reading-room, and there are spinning-mills in the parish. Friockheim, in Kirkden parish, population of the parish 1763 , is mostly inhabited by weavers.
it has sprung up from the extension of the linen manufacture. The railway to Aberdeen here leaves the Arbroath and Forfar line. Glammis, about 12 miles N. from Dundee, population of the parish 2152, consists of an old and a new town. Osnahurgs and sheetings are largely mannfactnred. There are a library, two friendly societies, and two schools, besides the parochial school. Glammis Castle is noticed below. Letham, in Dunnichen parish, population of the parish 1884, is inhabited chiefly by weavers. The village is finely situated on an elevation commanding an extensive prospect. Necotyle, population of the parish 1141. Tho village has risen from the construction of the Dundee and Newtyle railway, which here joins the Scottish Midland line.
Jistory, Antiquities, d.c.- The history of this connty is treated of under the different towns, there being no events of general importance of which it was tho theatre. Brechin is believed to have been a seat of the Culdees. It was afterwards an important bishopric. [Brechin.] The Abbacy of Aberbrothwick, or Arbroath, the Priory of Restennet, [FORFAr], and the monastlc ehurch of Dundee have been elsewhere noticed. Many smaller monasteries stood in various other parts of the country.

Of the ancient vitrified forts, which occur at regular intervals along the heights of the northern parts of Scotland, there are three principal remains in this county. The fort called the Castle of Finhaven, is on Finhaven Hill, 1500 feet above the surrounding conntry. It is quadrangular, 476 feet by 83 feet and 125 feet, and constructed on the edge of an elevated and precipitous rock. The remains of auother of these forts is on the summit of a mount in Drumsturdy Muir. The third is on the top of the Law of Dundee, a. remarkably high conical hill on the north of Duudee town. Of hill forts there are many in this county. The most important is on the summit of a steep hill in the parish of Meumuir, north-west of Brechin; the area within the walls, whlch are of great thickness, is oval, 134 yards by 60 yards. On a hill to the east, separated from this only by a deep ravine, is another of these forts, formed entirely of earth. Two miles south-west of Glammis, on the. Sidlaw Hills, is of earth a semicircular form, with a wall 335 feet in circuit, 27 feet high, and 30 feet in thickness. On the hills of Dumbarrow, Caerbuddo, and several others, the remains of similar forts are to be traced. There are remains of scveral extensive Roman camps, which seem to have formed a chain of military positions in a line from the south-west to the north-east sides of the county, including the towns of Forfar and Brechin. The encampment at Harefaulds, north of Caerbuddo, traces of the inner and outer works of which remain, might contain 60,000 men. Similar camps occur in the parishes of Forfar, Brechin, and Oathlaw. Many curious specimens of early antiquities have been discovered in this county, as stone coffins and urns in sepnlchral cairns, battle-axes and other weapons, sculptured tones, coins, \&c. On some of the uncultivated Grampian moors are vestiges of the ancient Caledonian dwellings, consisting of large slab tones placed together in a circle without cement.

Of baronial castles there are several magnificent specimens. At Broughty, near Dundec, are the remains of a noble castle, consisting of several massive towers and walls, standing on a rock which juts into the water of the Frith. On the shore of Lunau Bay are a square tower and other remains of Red Castle, so called from being built of red sandstoue. Edzel Castle, the Castle of Invermark, Kelly Castle, the Castle of Affleck, and several others, present similar remains. There are numerous vestiges of less important baronial structures. Glammis Castle, the residence of the earls of Strathmore, is a venerable castellated mansion, about a mile from the village of that name. In the time of Charles IL it was a large quadrangular mass of buildings, with lofty towers and gateways openiug beneath them into two spacious courts. Much of the original structure remains, and great additions were made of wings and turrets under the direction of Inigo Jones. Brechin Castle stood a siege by Edward III. in 1303, duriug three weeks. Many additions to the old buildings were made by the Earl of Panmure in 1711. Panmure Hall, 10 miles north-east from Dundee, is a large ancient edifice, much dilapidated from neglect. It is surrounded by an exteusive park and stately plantations. The modern mansions in the county are numerous; some of thein are distinguished for architectural magnificence and picturesquc beauty of situation.

In 1852 the county possersed two savings banks at Dundee and Montrose ; the total amount owing to depositors ou 20th November 1852 was $82,340 \mathrm{l}$. 98. 3d.

FORLI, a legation or province and town in the Papal States. The province is bounded N. by the province of Raveuna, W. by Tuscany, S. by the province of Urbino-e-Pesaro, and E. by the Adriatic. Its area is 682 square miles, and in 1843 its population was 202,315 , distributed in 8 towns, 32 terre having a communal council, and 404 villages or hanlets. The proviuce is watered by the Rabbi, Ronco, Savio, the Rubicone (the sacred boundary of the Romau Republic), Marechia, and other rivers which have their sources in the Tuscan Apennines, and empty themselves into the Adriatic. The Marecchia at one part of its course separates the province from the republic of Sammarino. Tho country is iu part hilly, being occupied by offsets from the Apennine chain, which extend towards the Adriatic; and partly flat, especially towards the north, where there are some extensive marshes near the coast. Excepting in the marshy district the climate is healthier than that of the neigh bouring flats of Ravenua. In summer the heat is very great, and the rivers frequently are dried up. The principal productions are maize, hemp, hay, aud wine. Among the other products are barley, a little oats, rye, and rice; beaus, pulse of various kinds, tlax, fruits, silk, madder, cummin, saffon, anise seed, \&c. Only a small number of cattle are reared. Honey is very abundant. A large quantity of fish is taken along the coast. There are manufactories of silk, linen, and oil-cloth, and refineries of sulphur, which is fonnd of good quality in the province.
Towns, de. -The town of Forth, the ancient Forum Livit, is said to have been founded after the victory of the Metaurus, and to have taken its name from M. Livius Salinator, one of the two consuls who defeated Hasdrubal. It stands on the ancient Amilian Way in a fertilo plain between the Montone and the Ronco, $44^{\circ} 13^{\prime} 25^{\prime \prime}$ N. lat., $10^{\circ} 1^{\circ} 37^{\prime \prime} \mathrm{E}$. long. The present town is well built: the streets are lined with arcades. It has a fine square, a cathedral, several handsome palaces and churches adorned with paintings by Carlo Maratti, Guido, Guercino, Cignani, and other masters, a lyceum, and fine public walks. Forll is a bishop's see and the residence or the legate. The population is about 16,000 . The town is surrounded by old walls which are little worth as a defence. The Freneh took Forll in 1797. The citadel, famous for its noble defence by Catherine Sforza in the 15 th century, is now a prison.

Cesena, a pretty town in a fertile country near the foot of the Apennines, watered by the river Savio, over which there is a fine bridge, has a liandsome town-house on the market-place, which is adorned by a colossal statue of Pius VII., who, as well as his predecessor, Pius VI. was a native of this town. Cesena is a bishop's see, has a college for clerical students, and a valuable public library, collected by the Malatesti, who were lords of the Romagna in the mlddle ages. The library is rich in manuscripts, among which is a curious work of St. Isidorus, bishop of Seville in the 7 th century, entitled 'Etymologie,' whieh is a kind of cyclopædia. In the Capuchin church is a fine painting by Guercino. Cesena is an ancient place. It has given title to a bishop since A.D. 92, when its first bishop, St. Philemon, was appointed under Pope Clement I. On a high hill about a mile from the town is the handsome church of Santa Maria del Monte, reputed to be a work of Bramonte, and near it is a Benedictine monastery in which Pius VII. took the vows. To the south of Cesena are valuable sulphur mines, the produce of which is sent to Bologna and Rimini. These mines are said to yield about $4,000,000 \mathrm{lbs}$ o of sulphur yearly. The population of Cesena is about 9500 .
Between Forll and Ccsena is the little town of Fortimpopoli, the ancient Forum Popilii, with a collegiate church, a castle built by Cesare Borgia, and about 4200 inhabitants. Near Forlimpopoli is Bertinoro, famous for its wines: population of the oommune 4800.

Savignano, on the road from Cesena to Rimini, near the site of the ancient Compitum, has some good buildings and about 4000
inhabikate Near Savignano flow a \＆nall river，called Rugono，which is beliered by mone to be the aucient Rubicon：it jolus，below Savig． mano，another stream，called I inatello，afer whisch the uuited atrenm enters tho Adriatic．A Roman bridge in thrown across the Fiumicino， or Saviganao，a small stream whlch joius the other two，and with them euters the Adriatic at Due Docehe．Near the Fiumicino on a pillar，is an apocrsphal inscription（which has been mistakeu by some for an ancient one），containing the senataa cousultum，which forbade， under the heariest peanalties，may commander to croms the Ruhicou in arms．The true llubicon howorer，which atill is called ly the peasantry 16 Jubicone，in nearer Ilimini，and flows direct into tho Adriatic from the Apennines，where it rises，between Monte Tafli and Sarcina It flow noarly parallel to the Marcechia，and bas a length of about 25 milen

Rimini，the Roman Ariminum，a considerable town with abont 10,000 inhabitants within the walls，is situated near the mouth of the Marecchia，which is crossed hy a hsudsome marble britge of five erches and 290 feet long，begun under Augustus and finished under Tiberius，and atill in very good preservation．The sea having receded all along this const，tbe ancient harbour of Ariminum is now choked up with sand；but thero is a amall harbour at the moutb of the Sarecchia，which admits resecls of light hurden，and by which Rimini carries on nome trade by sea．At the eastern entrauce of the town， on the romd to lRome，there is a fine triumpbsl arch，raised in bonour of Augustus for ropairing the roads，and now called Porta Romana．This arch is larger than any of the arches in Rome；it is huilt of white marble in a simple massive style，with two Corinthian pillars on each side．Between the arch and the pillars are medallions of Neptune and Veaus on one side，Jupiter and Miuerva ou tbe other．There are also tome remains of an ansphitheatre，besides inscriptions aud other marbles fonud on the site of the ancient harhour．Rimini，with its Roman monuments，appears a fit entrance into the limits of the classical part of Italy．Among the modern buildings is the wohle cathedral church of San Francesco，which Leon lattista Alberti raised hy onder of the Nalatesti，lords of Rimini，and which is adorned with the mausolea of that distingulshed family of the middle ages， many beautiful ban－reliefs，and other works of art．The fortress was also erected by the Malatesti，hut it is now disfigured by unsightly barracks．The city of Rimini has several other fine churches besides the cathedral．In the market－place is a stove in the form of a pedeatal from which，as stated in the inscription，Julius Coesar harangued his army after crossing the liubicon．A handsome fonntain in the square before the town－hall（palazzo publico）is sur－ mounted by a bronze statue of Pope Paul V．Rimini has a good library of 30,000 volnmes，founded in 1617 by the adrocate Alcs－ sandro Gambalunga，and which contains manuscripts，chiefly concerning the history of the town，a museum of antiquities，and a college．Tho supposed rite of tbe house in which resided Francesca da Rimini cole－ breted in the＇Divins Commedia＇of Dante，is still shown．Numerous filhing craft freguent the harhour of Nimini；aud thero is a good trade in silk manufactures，fish，glass，and earthenwares．Sulpburic and nitric scid，and verdigris aro also among the industrial products of Rimini．Ariminum，originally an Umhrian city，was important as a military position and for its situation at the junction of the Flamiuian and Emilian Ways In all their great wara in Italy the Romans，who colonined it early，made a point of occupying Ariminum with their troope．It was also a flourisbing commercial town．The soldiers of the triumvire werc settled in the lands of Ariminum，and the city itself was embellished by Augustus．Under the Enstern empire it was one of the cities of the Pentapolis which was governed ly the exarchs till the invasion of the Lomhards．A great ecclesiastical council was held in Ariminum in A．D． 350 ．Rimins stands in $44^{\circ} 4^{\prime}$ N．lat．， $12^{\circ}$ $34^{\prime} 43^{\circ}$ E．Iong．

Sarrina，the foot of tho Apennines，south－west of Rimini，an ancient city of the Umhri，and the birthplace of Plautus，is now a decased town surrounded by walls，with only 3000 inhnhitauts．

Cesenatico，on the sca－const，north－east of Cesena，midway betweeu Ravenna and Ikimini，in a plain abounding with wheat，Indian coru， and hemp，has 4000 inhahitants

The province of Forll is one of the fineste and richest in the Papal States，and the road from limini to Bologns is one of the pleamatent in Italy，leading through a succeasion of neat，consider shle，and cheerinl－looking town，in a fine well－cultivated country， with a landeape heightened by a coustant view of the Aponnines of Tuscany．

FORMENTERA．［BaLyaric lslasids．］
FORMOSA．［Tay－War．］
FOlimoso，RIO．［Benis River．］
FOLRRES，Figinahire，Scotland，a rogal and parliamontary burgh and markel－town in the parith of Forren，is situated in $67^{\circ} 37^{\prime} \mathrm{N}$ ．lat．， $3^{\circ} 36^{\prime}$ W．long．，dintant 12 milea W．from Filgin，and about 160 miles N．from Folinhurgh．The town in aituatod on s declivity，sloping northrard to the wetuary of the river Findborn，and in about 8 milea $\mathbb{S}$ ．from Find－ horn，the port of Forrem．The population of the parliamentary hurgh in 1851 was 3168 ，that of the municipal hurgh parliamentary burgh 3339 ．It is governed by a provont， 3 bailies，and 18 councillors；and unite witb Inverneas，
Nain，and Fortrow，in returaing one member to the Imperial Nairn，and Fortronc，in returning one member to the Imperin

The town consiats of one chief streot，forming a part of the high－ way between Kilgiu and Iuvernes，with several manaller ntreets branch－ ing off from it．The houses aromostly modern and well built．The town is well supplied with water．Besides the parish chanch，which is a plain huilding，there aro a Free church and chapels for lipisco－ paliaus snd United Prealyteriana The jail ia a suhstuntial huilding． Corn－markols are held weekly．The inost important of the schools in Forres is that endowed hy the late Jonathan Andernon of Glasgow， which occupics a neat and comuodious building．The town dates ns a royal hurgh from the time of William the Lion．Ite castle，now in mins，was the occasional residence of some of the carly kings of Scotlaud．

A tower in memory of Nelson has heen erected on the top of the Cluny Hill near the burgh，from which a most extensive view is to be had．In the immediato vicinity of forres is the colebrnted ancient pillar called Sweno＇s Stone，cousidered oue of the finest memorials of the Danes that exist in Scotland．It is a hard sandstone of the country，and well preserved，showing on its four sides numerous figures of men and horres，in marching and in Lattle array．A landsome suspension－hridga crosses the river Findhorn here．
（Newo Statistical Account of Scolland；Communication from F＇orres．） FORTH，a river in Scotland，which rises in the mountains separat－ ing Loch Katrine from Loch Lomond．It is formed hy two branches， which after a course of 16 aud 12 miles respectively，unite at $\mathcal{A}$ ber－ foyle；this united river reccives the name of Forth．The first of these streams，which rises on the north side of Benlomoud，is called the Duchray；the other is formed hy the junction of three rivulots， which proceed from three small hut very beautiful highland lakes， called Loch Con，Loch Dow，or Dhu，and Loch Arrl．At Aberfoyle the Forth issuing from the mountains，cutersa wide valley，surrounded by hills of moderate elevation．From the north it is joined by three tributarics of some note－the T＇eith，which drains the mountainous couutry north of Loch Katrine；the Allan，which runs through Strathmore；and the Devon，which brings dowu the water collected in tho greater portion of the Ochil Hills．No cunsiderahle river joins it from the south．Where it unites with the Devon tbe river， which higher up is only of moderate sizc，hegins to widen，and gradually assumes the appearance of a gulf．This gulf，called the Frith of Forth，iucreases in width in its progress to tbe east，and joins the North Sea between Fifucss and the rocks of Tantallan Castle，where it is ahout 15 miles across．The source of the Forth is not much more than 30 miles from the mouth of the Devon in a straight line，hut as it Llows with many sinuosities，its roal courso exceeda twice that lengtb．The leugth of the Frith from west to east rather exceeds 50 miles．The Forth is not a rapid river below Aborfoyle，and may ho navigated by ressels of 70 tons as far as Stirling；but it is not much navigated above Alloa，which may he regarded as its priucipal port On the southern Bhore of the Frith， near the mouth of the river Carron at Grangemouth，commences the canal which unites the Forth and the Clyde ；and coutiguous to it on the east，hetween Grangemouth and Queensferry，is good and secure anchoring ground in the hay．The countries along the uortheru and southern shores of the Frith of Forth comprehend the most fertile aud hest cultivated parts of Scotland．

FORTROSE，Ross－shire，Scotland，a royal burgh，market－town，and port，in the parish of Rosemarkic，is situated in $57^{\circ} 34^{\prime} \mathrm{N}$ ．lat．， $4^{\circ} S^{\prime}$ W．Joug．，on the westeru side of the Moray Frith，nearly opposito Fort George，from which placo there is a regular ferry，the Frith beiug here about $2 \frac{1}{2}$ miles broad．It is nbout 10 miles N ．from Iuverness hy land，and about 7 milea hy water．The population of the hurgh in 1851 was 1148．The towu is governed hy a provost and 14 councillors；and conjointly with Inverness，Forres，and Nairn，returns one member to the Imperial Parliancut．Fortrose is described hy historians as having during the 16 th century been the seat of art， science，and divinity for that comer of tbo kingdom，and possessed of considcrahle trade．Rosemarkie，a village about a mile ceastward，was constituted a roynl hurgh hy Alexander II．；and Chanoury，the episcopal seo of the hinhop of Ross，was united with it hy a chater of James 11．in 1444，under tlie name of Fortross．
＇The town is fincly＇situated．The harhour has a depth of 14 feet water at high tide．Thero are some remaius of the ancicut cathedral， one part of which is used as a prison and courthouse Besiden the parish church，which is at Rosemarkic，theroare in Fortrose a Scottish episcopal chapel，and chapels for Free Church and Baptist congrega－ tious At Fortrose is an exteusive distillery．A public acsdemy was founded in 1701.
（New Statistical Account of Scolland；G．and I．Anderson，Guide to the Ilighlands and Islands of Scolland．）

FORTUNATE ISLANDS．［CANAREN．］
FOSSANO．［CON1．］
FOTIILIRINGAY．［NORTHAMPTONSULRE．］
FOUGĖ：R1：S．［llle－ET－Vilaine］
FOULSHAM．［Norfolk．］
FOWEY．［Corswall．］
FOX ISLANDS．［Aleutian Iblanda．］
FOXFORD，［MATO．］
FOYLE，LOUGH，an inlet of thesea on thenorth const of Ireland，
between the countice of Derry aud Donegal，cxtends from soutli－wost
to nortb-east about 16 miles. Its cntrance, which, bet ween Magilligan Point on the east, and Greencastle on the west, is a mile across, lies about the point $55^{\circ} 12^{\prime} \mathrm{N}$. lat., $6^{\circ} 55^{\prime} \mathrm{W}$. long. The lough is widest at its southern extremity, where it has a breadth of abont 10 miles. At low-water a great part of the area of the lough is left bare; the vest side alone is mavigable; the eastern side presents a flat strand, fringed by a sandy beacb, which stretches round Magilligan Point to the mouth of the Bann; on this eastern shore the base of the Ordnance survey of Ireland, 53,200 feet in length, was measured. Northward from the entrance of the lough, and between it aud Innishowen Head, is a shoal called the Tuns, over which the sea sometimes break3 with great violence. At the harbour of Greencastle is a pier, which affords shelter for small coasting vessels. Vessels of 600 tons ascend Lough Foyle, and its principal tributary, the river Foyle, as fir as the city of Londonderrix. The railway from Londonderry to Coleraine runs along the east side of Lough Foyle.
FRAMLINGHAM, Suffolk, a market town in the parish of Franlingham, is situated on the left bank of the river Ore, in $52^{\circ} 13^{\prime} \mathrm{N}$. lat., $1^{\circ} 19^{\prime} \mathrm{E}$. long, distant 14 miles N.E. by N. from Ipswich, and 87 miles N.E. from London. The population of the parish of Framling. ham in 1851 was 2450 . The living is a rectory, with the curacy of Saxted annexed, in the archdeaconry of Suffolk and diocese of Norwich.
The Castle of Framlingham was during the middle ages an important fortress. Of the castle the outer walls are still standing; its form approaches to a circle, and it is strengthened at intervals by 13 square towers. The malls are 44 feet high, and 8 feet thick; the towers are 58 fet high. Tbe principal gateway is on the south side, opposite the town. There are some remains of the outworks, and a double ditch. It was to this castle that Queen Mary retired on the death of her brother, Edward VI., till the succession to the throne was settled. Tbe town of Framlingham consists of a spacious market-place, and a fuw streets branching off from it, which are irregularly laid out. The town contains many neat and substantial houses, and is lighted with gas, The church, a commodious and stately edifice, is situated in the centre of the town. It is built of black flint, and consists of a nave, chancel, and aisles, with a tower 96 feet in height, in which are eight bells. The roof of the nave is of curiously carved oak. Tbe Independents, Wesleyan and Primitive Metbodists, and Unitarians have places of worship. There are Free schools, Pritish schools, several almshonses, a parochial library, an agricultural society, and a savings bank. Petty sessions for Framliurham division and a county court are held. The market is held ou Saturday for corn and provisions, and there are two yearly fairs.
(White, Suffolk; Communication from Framlingham.)
FRANCL, the most westerly of the kingdoins of continental Europe, with the exception of the Spanish peninsula. Its form is very compact, and resembles an irregular polygou, the general contour and dimensions of which, with the latitude and longitude of the cxtreme points, are giveu in the subjoined diagram. From this it appears tbat it is comprehended between $42^{\circ}, 25^{\prime}$ and $51^{\circ} 5^{\prime} \mathrm{N}$. lat., $8^{\circ} 17^{\prime}$ F. and $4^{\circ} 46^{\prime} \mathrm{W}$. long.; that the aggregate length of the circumscribing lines of the polygon is 2157 miles, of which 1183 milcs are const ( 929 milcs ou the ocean and 259 miles on the Mediterranean) and 969 miles of land frontier. If all the less importaut windings of the coast, or of the frontier, were followed thesc numbers would be of course materially increased. The longest cliagonal is from south-east to north-west ( E to M on the diagram), about 660 miles; and the next longest from uorth-east to south-west ( B to I), about 615 miles
The area of France, including the island of Corsica, amounts to 201,953 square miles, or to 201,576 square miles exclusive of that island. According to official eensus returns, the population (including Corsica) in 1840 numbered $34,138,720$, and $35,781,623$ in 1851. Excluding Corsica the numbers become respectively 33,917,263 and $35,545,377$. The census of 1851 gives the average number of persous on ench square mile of France, including Corsica, to be 174.584, or without Corsica 176.336. Paris, the capital, is the second European city in respect of population, being inferior only to London. The population of Paris is $1,053,262$. The observatory of Paris, from which the French measure longitudes, is situated in $43^{\circ} 50^{\prime} 13^{\prime \prime}$ N. lat., $2^{\circ} 20^{\prime} 222^{\prime \prime}$ E. long. (from Greenwich). The summit of the lantern of the Pantheon, from which point the Frcnch engiueers have ealculated the geographical position of Paris, is in $48^{\circ} 50^{\prime} 49^{\prime \prime}$ N. lat., $2^{\circ} 20^{\prime} 57 \frac{1}{2}^{\prime \prime}$ F. long.
Coast, Islands, and Fronticr.-That part of the coast which faces the north-north.West ( $M$ to $A$ in the diagram, 431 miles) lies along the channel which meparates England from the Continent, to which the French gives the name of La-Manclic. The coast is geuerally irregular in its outline. It forms two large bays, separated from each otber by the peuinsula of Cotentin, of which Cape La-Hague (O in cliagran) forms the nortli-west extremity. Near the middle of the northern coast of Cotentin, and a little east of La-Hague, is the strongly-fortified naval liarbour of Cherbourg. Of the bays just named the more easterly is divided into two subordinate bays by the rounded projection of the coast about Fecamp aud St.-Valery. One of these subordinate bays receives the Somme, the other the Seine, at the month of which the town and port of Le-Havre ( $P$ in diagram) UEOG. DIV. YOL. II.
are situated. This part of the coast is mostly low and shelving, lined in many parts with sand-lills, whicls prevent the tide from overflowing the lands that are below the level of the sea. About Cape Gris-Nez, or Grinez, there are cliffs, and west of the mouth of the Seine the shore is skirted by rocks. The peninsula of Cotentin has, besides Cape La-Hague, another considerable promontory to the north-eastCape Barfleur. The coast of this peninsula is commonly shelving, interrupted however. by groups of rocks. The bay of St.-Malo, the second of those formed by the coast of La-Manche, is a deep bay, the sides of wbich, facing respectively the west-by-south and the north, form an acute angle with each other in the neighbourhood of Mont St.-Michel, in Cancale Bay. The coasts of the Bay of St.-Malo aro rocky and much broken, especially to the west of Mont St.- Michel, by a multitude of sinall inlets with their intervening promontories. No important river falls into this bay, but mauy of the inlets are the estuaries of small streams. The remainder of the coast of the ocean faces the south-west and west, and exteuds 448 miles. At its northwestern extremity ( L to MI in diagram) it is broken by a deep inlet, the subdivisions of which form the roadstead and naval harbour of Brest and the Bay of Douarnenez. The coast here is lofty and precipitous. From the Bec-du-Raz (L) the coast runs facing the south-west, and continues for some distance to present the same gencral features as the adjacent parts of the Channel coast-a broken outline, frequent inlets with intervening promontories, and a shelving coast interspersed with rocks. As it procceds south-eastward from the mouth of the Loire (which falls into the ocean mid-way between $K$ and $L$ ) it becomes less brokeu in its configuratiou, low, and lined with saltmarsbes. This character it retains to the mouth of the Gironde (a little to the southward of the poiut K), from which the coast runs in a nearly straight line, broken only by one small iulet, the bay or basin of Arcachon, and skirted by sandy downs to tbe foot of the Pyrenees (at I), near which it assumes a rocky and precipitous character. This coast forms ono side of that bay known familiarly to us as the Bay of Biscay, but designated by the Freuch the Day of Gascogne.

The coast of the Mediterranean forms by its sinuositics the two great bays of Lyon and Genoa, which are separated from each otber by the projection of the coast about Toulon ( $F$ in diagram). Tbe Gulf of Lyon, or, as perhaps it ought to be called, Lions (the uame, it is said, being derived not from the city of Lyon, but from the violence of tbe tempests by which it was supposed to be agitated-"It is ealled the Lion's Sea because it is ever rough, tempestuous, aud destructivo" "-) is characterised by the étangs, lagoons, or shorelakes by which its coast is skirted; it receives the waters of tho Rhône. This part of the coast is commonly low, but towards tho foot of the Pyrenees ( $H$ in diagram) and near Toulon ( $F$ ) it assumes a bolder character. The coast of the Bay or Gulf of Genon, of which only a part belongs to France, is elevated and broken. It has many smaller inlets, as the harbour of Toulon, tbe road of Hieres and that of Bormes, aud the bays of Grimaud, Frejus, Napoule, and Juan.

Along the coast are several islands. In the Mancbe, or Euglish Channel, are Gernesey or Guernsey, Jersey, Aurigny or Alderney, and Gcrs or Sark, which, tbough belonging to France by geographical position, and connected with it by the language and origin of their population, are politically united to the British Isles, and form indeed the solo relic of the once extensive Norman or other French possessions of the early English kings; the islauds of Brebât, les Sept Iles (the Seven Islands), and the Isle of Bas, are of miuor importance. At the western cxtremity of France are the Isles of Ouessant or Ushant, and along tbe remainder of the coast of the ocean are the Isles of Gleuan, Groaix or Groix, Belle-Ile, Noirmoutier, Ile-Dicu or d'Yeu, Ré, Oloron, aud others of less importance. In the Mediterranean are the islands of Hidres and Corse, or Corsica. All these are noticed either under their respective bedds, or in the articles on the departments to which they belong.

The land frontier of France is, for the most part, formed by great natural barriers. On the southern or Spanish frontier are the Pyrenees, along the crests of which from the Mediterranean to the ocean ( H to I in diagram) the line of demarcation runs. Ou tho south-east the frontier towards the contineutal dominions of tho kiug of Sardinia (from between C and D to E in diagram) is formed by the lofty ridges of tho Alps; and that towards the Swiss Confederation (from C towards D) by the lower but still considerable heights of the Jura. On the cast the broad stream of the Rhiue (B to C) separates France from the dominions of the grand duke of Baden. The remaining part of the frontior ( $A$ to $B$ ) is purely conventional, and bas varied materially, as the fortune of war has enabled the Freuch to extend or obliged them to contract their dominions. The coutermiuous statcs are Bavaria, Prussia, and Belgium.

Surface, Geological Character, IIydrography.-The lofticst mountains in France are those on the Sardinian and Spanisb frontiers, the Alps and Pyreuees. Of tbe Alps the loftiost summits lie beyond the bouudary of France, in Savoy or Switzerlaud; but some of those on or withiu the line of the frontier are of great elevation: as Mout Olan, iu the valley of Godemard, on the upper waters of tbe Drac, 13,120 feet; the pcak of the Pclvour-de-Vallouise, south-west

[^0] -William of Nangis, a monk of the 13th century, quoted by Malte Brun.
of Briançon, about 14,000 feet ; a peak west of tho village of Manrin 13,10 feet; Mout Trois Ellions, 12,757 feet; and others. Of the Byrenees the liphest point is in Spain, but other polnte whleh nearly egual it are in France, wevernl of the peaks of the Vignemale group, At the hear of the valley of Cauteret2, reaching to nearly 11,000 foot; Jont d'Or, in the Jnra, has a beight of 4920 fect, and Lo-GrosTanreau, near Pontarliar, 4351. [Alis; Irabsees; Jura MounJaiss; Aleres, Hactes; Dotrs]
foet high; Le-Bremoir uenr the wonreo of the Meurthe, f019 feet; and Le-killond'Alance, 1128 feat [Vosars.]

From the heights of Langres a range of ligh lands (including the F'aucillea Munntains, the Argoune hills, and heights of the Arcleune), extends iu a north-west direction to the coast of La-Manele, nboust Cape Griz. Nez, eoparating tho streams whiels belong to the basins of the Khino and the Fiscant from those which belong to the river Bystems of ceutral France. A branch frum these heighte divides tho basius of


A, the fromkicr towards Belplam meets the coast.
B, the frontier towards Bavarla meets the Rhine.
Cb the frontler towards Switzerland mects the RuIne.
D, junclion of the Thano and the Gulers.
$r_{*}$, mouth of the Var.
P. Cape Nolrc-Dainc, on tho coast near Toulon. O, mouth of the canal of Algues Mortes.
11, the frontier townards Spain mects the Mediterranean.
l, the same froalicr meets the ocean.
$\mathbf{K}$, moulh of the Serre of Niort.
L. Bec-ilu-jaz.

M, on the coast morth-west of Brent.
N, Mont Sl.-Michel, in Cancale Jay.
O, Cape La-llague.
I, Le-IlAyre, at the mouth of the Selae.
Q, Cape GrisoNez, betreca Calais and Boulogne.

The Cérennes are neparated from the Pyrenees by a valley, through Which the great cannl of Langucdoc runs; they extoud in a north-north-eant direction, and after sending off branches to join the group of primitive and Lamaltic mountains of Auvergne, turn to the northward and skirt the ralley of tho thone and the Satue: in this part of thelr. conrso theg are known (according to the districts through which they pay) an the hoights of Vivarais, Forez, L, younai, Beanjolnis or Charollain. Jont Mezen, the culminating point of the Cévennes, is 6500 feet hith. The mountains of Auvergne surpass the Ceveunes in height. The Pie de Saney, the ligheat of the Mlonth.Dores or Mont d'Or Mountnins, is 6196 feet higho and the Plomb-do-Cantal is 6095 feet above the level of the mea, There are severnl other 'Pugs,' or rolcanie summit, of inferior heisht among the Auvergne Mountalns. [Ardeche; Auteroxz; Castal; Ceverxis; Put.de.Dose.]
The comparatively huinble slopes of the Cote-d'Or of Bourgogne (Buygundy) may bo regarded an a continuation of the Charollais hoighu, and serve with tho heights of Langres to connoet the Cévennes with the Vongen, whose branchen extend to the moutheast so as to uuite with the Jura, and whone wild and wooded atecps form the wentern boundary of the valley of the lthine. The prineipal sumaite of the Vongea are Lo-Ballonde-Soultz, or Queiwiler, 1095
the Scine and the Somme. From the Charollais heights n range of hills of gralually dininishing elevation extends to the acighboushool of the Loiro, sepnentes that river from tho streams which flow into the Seine, nad connecta tho mountain system of erntral Franee with the heights of Beance, which are n prolongation of the Menez Mountaius of Bretagne. These run froni the lieadlands near lleest in an ensterly direction. A range which proceeds in a north-west direction from the central group of the Auvergne Mountains toward the mouth of the loire, and is called the heights of Gatine, Eeparates the basin of the Lolre from that of the Garonne; and another range, which brancles off from the l'yrenees near the Pie-lu-3idl, and runa northwest till it subsides In the Landes near Bordeaux, soparates the basins of the Garonne and the Alonr.
The Cerenner, the heights of Langres, the Frucilles Mountaina, and the uplands of the Ardenne, neparate the western or ocenaio slope from the enstern; the latter is subdivided hy the Frucilles Mountains, and by a braneh of the Vosges whieh unites with the Jura, into the north-enstorn or 13 henlsh slope, and the south-eastern or Mediterrauenn slopm.

The western slope includes the basins of the Adour, the Garonne, the Charente, the Loirc, the Vilaiue, the Orne, the Seino, the Somme,
and a number of others of less importance. The basin of the Adour is bounded by the Pyrenees and the range whiel extends from these to the mouth of the Garonue: the length of this river is about 200 miles. The basin of the Garonne is bounded by the heights last mentioned, by the Pyrenees, the Cévennes, the mountain group of Auvergne, the heights of Giatine, and a small braneh from these which divides the basins of the Garonnne and Charente. The general course of the Garonne is to the north-west; that of its prineipal tributaries which flow from the Cévennes and the Auvergnat group (as the Dordogne, the Lot, and the Tarn) is to the west-by-south; that of the Pyrenean tributaries, whieh are smaller, to the north-bywest; the Dordogne is the last tributary of importance which it receives in its course to the ocean; and their joint æstuary is called the Gironde, a name which like that of our own Humber applies to the æstuary alone. The length of the Garonne is about 360 miles; its basin is inferior in extent to that of the Loire, but exceeds that of the Scine. [Garonse.] The basin of the Charente is bounded by the heights of Gatine or their branches, and the length of the river is 200 miles. [Charente; Charente-Infébieure.]
The basin of the Loire, the largest river that wholly belongs to France, is bounded by the heights of Gâtine, the Auvergne Mountains, the Cérennes in which it rises, the Charollais heights, the hills which conuect these with the plateaux of Orlénus and Beauce, and the offsets of the Menez Mountains. The direetion of a liue drawn from the source of the Loire to its mouth would be north-west, and it would lie nearly along the ridge of the heights of Gatine, but from the great bend which the river makes, its course is first north and then west; its principal tributary, the Allier, has a northward course nearly parallel to and not far distant from the upper part of the Loire: the Cher, the Indre, and the Vienne, have a north-west course. There all join the Loire on the left bank; the most important tributary which it receives on the right bank is the Mayenne. The length of the Loire is above 600 miles; that of the Allier is about 250 miles; that of the Cher, 215 miles; that of the Vienne, 207 miles; and that of the Creuse, an affuent of the Vienne, 166 milcs.
The basin of the Vilaine is bounded on the north by the Menez Mountains, and on the east by a branch of the same mountains which separates it from the basin of the Loire; the length of the Vilaine is about 124 miles. The basin of the Orno is bounded by the Menez Mountains, or their branches; the length of this river is above 82 miles.
The basin of the Seine is bounded by the heights of Bcauce and those of Langres, with their connecting range; and by the hills which branclı off from the heights of Langres toward the Channel. The length of the Seine is 480 miles; that of its principal tributary, tho Marne, is 268 miles. The basin of the Somme is bounded by the heights that run from those of Langres to tho coast of the Chamel ; the length of the river is about 110 miles.
The uorth-eastern or Rhenish slope comprehends parts of the basins of the Escaut or Schelde, the Meuse, the Moselle, and the Rhine. Only a comparatively small part of the course of each of these rivers belongs to France; no part of the course of the Rhine is entirely included in that country, of which it only forms the boundary.
The Mediterranean slope comprehends the basins of the Aude and the Rhône, and of one or two other streams, which are too small to require notice. The basin of the Aude comprises part of the slopes of the eastern Pyrences, the southern slopes of the Montagnes Nares, the most southern part of the Cévennes, and the great depression between these two mountain systems. The Aude is about 100 miles in leugth; its course is at first northward as far as Carcassone, and then eastward to the Gulf of Lyon, which it cnters below Narbonne. The basin of the Rhône is bounded by the Cévenncs, the heights of Charollaiz, the Côte-d'Or, the heights of Langres, the Vosges, the Jurn, and the Alps: its greatest estension is from uorth to south, and it is comprehended partly in Switzerland and the Sardinian states, but chiefly in France. The course of the Rhône in Savoy, Switzerland, and part of France is nearly west ; at the great eity of Lyon it bends to the southward : its whole course is about 525 miles; that of the Saòne, its prineipal afluent, is $30 \pm$ miles; that of the Isère and the Durance, two other affluents, about 190 and 220 miles respectively ; and that of the Doubs, a feeder of the Saône, about 210 miles.
Geological Character.-The sands, elays, limestones of later formation, marls, and sandstones, which constitute the strata above the chalk (including the alluvial and diluvial beds), occupy several extensive districts. 1. The largest of these districts is in tine south-west of France; it comprises the countries that lie between the foot of the Pyrences from the ocean to the Mediterranean, and a line drawn from the mouth of the Gironde below Blaye to the shore-lake of Sigean, near Narbonne. It comprehends nearly the whole of the valleys of the Adour and the Garonne, with the intervening 'laudes,' or heaths; the lower part of the valleys of the Dordogue, the Lot, the Tarn, the Ariege, and the other streams which joiu the Garonne on the right bank; the whole of the valleys of those streams which join it on the left bank, exeept sueh as have their sources in the higher part of the Pyrenees; and a narrow belt from the valley of the Garonne to the Meditcrranean, along the coast of which beds of this formation, probably alluvial, cxtend to the border of Spain. 2. The next district in
extent is what is designated 'the Paris basin,' extcuding for several miles in every direetion round that eity, bounded by an irregular liue drawn from the neighhourhood of Gisors, on the north-west of Paris, to La Fere on the Oise ; thence to the neighbourhood of Epernay on tho Marne; from Epernay to the Seine, at the junction of the Loing, and along the valley through whieh the eanals of the Loing and of Briare have been eut, to the valley of the Loire, along whieh ralley these formations extend upwards to Cosne, and downwards below Blois : from this last point they are bounded by a line drawn northward to the neighbourhood of Gisors. 3. The third district extends along the valley of the Saône on the east side of that river from the junetion of the Doubs to Lyon, and then along the east side of the ralley of the Rhône to below the junetion of the Drôme: this long strip has a breadth of severaI miles on the enst side of the Saône and Rhône, but does not extend to the west of these rivers, exeept between the junction of the Doubs and the Canal du Ceutre with the Saône. 4. The next district comprehends the alluvial formation of the delta of the Rhône, and the lower part of the valley of that river, and of its tributaries the Aigues, Ouvèze, aud Durance. 5, 6, 7. There are three other narrow portions oecupied by these later formations, extending along that part of the valley of the Rhino which belongs to Franee; along the valley of the Allier, from near Brioude to below Moulins; and along the valley of the Loire from near Feurs to the junction of the Avron. 8. That small part of France which lies to the north of a liue drawn from Caluis by St.-Omer to the Belgian frontier, is occupied by those formations which extend into Belgium, and occupy a large part of that eountry.
The chalk-formatiou skirts the district occupied by the super-cretaceous deposits ou the north-east side alone, extending from the coast between the Giroude and the Chareute to the river Lot, southward of which it is not found : the brcadth of this belt of chalk is tolerably uniform-about 25 or 30 miles. The Paris basin is surrounded on almost every side by the chalk, which forms a eireular belt of very variable breadth, from $2 \pm$ or 25 miles (betweeu Reims and Rethel), to more than 100 miles (between Clermont-sur-Oise and the coast near Calais) : the coutinuity of this belt is only interrupted by the exteusion of the super-eretaceous strata up the valley of the Loire toward Cosne. The ehalk formation occupies the coast of the channel from Cape Grinez to the west of the mouth of the Seine, exeept near Boulogne, where it is interrupted for a short iuterval by the strata of the formations below it, whieh here rise to the surfuee.
The group, which comprebends the oolitic and other formations from the chalk-marl (whieh underlies the chalk) to the lins, surrounds the chalk belt of the Paris basin ou the west, south, and east sides. On the west side the district oceupied by these formations is narrow, except just on the coast of the Channel, along which it extends from near the mouth of the Seine to the peninsula of Cotentin. On the south-west it becomes wider, and extends to the chalk belt which bounds ou the north-east the first super-cretaceous distriet above defined: along this belt it extends, forming au outer belt from the ocean, to the river Lot; and from the Lot it extends towards the south-east, skirting the super-cretaceous district. Along the south side of the chalk of the Paris basin, these underlying strata have a variable breadth: ou the south-east and east they exteud, interrupted only by the more ancient strata of the Vogges, to the valley of the Rhine and the upper waters of the Saône, and aeross that river to the Jura, the heights of which consist of these formations. From the Saône and the Jura these formations extend southward to the Mediterranean, bounding the third super-eretaeeous district on the east, and then, exteuding westward across the Rhône, inclose the fourth super-cretaeeous district between their branches. A belt of these strata extends, with one or two interruptions, along the foot of the Pyrenees, ou the south of the super-cretaceous district, from tho ocean nearly to the Mediterranean.

The new red-sandstone or red marl, and the maguesian limestone which uuderlies it, formations which in England spread over a great extent oi country, occupy $\dot{y}$ ouly a small part of Frauce: they arc found in the Vosges, the Cévennes, aud one or two other places.

The conl-measures, the slates, and the granites and othar primitivo rocks occupy several extensive districts. 1. The whole of Bretagnu and the adjacent part of Normandie, and the other conterminous provinces in the west. 2. The mountain district of Auvergue, part of the Cévennes, the lills of Vivarais, Forez, and the Charoilais, and a large extent of country west of Auvergue, as far as the banks of the Vienne and the sources of the Charente : this region is interseeted by the sixth and seventh super-cretaceous districts; and here the oldest and the latest formations may be found iu juxtaposition, without the intervention of any of the intermediate strata. 3. The Alps. 4. The Pyrenees, in which calcareous formations abound, and organic remains are found at a vast height. 5. The Vosges, where they are uot oecupied by the new red-sandstone or magnesian limestone, by which formatious the primitive district is nearly surrounded. 6. A considerable insulated distriet in the southern part of the Cévennes, betweeu districts 2 and 4. 7. $\Lambda$ small traet in the northern part of Frarce, between the Sambre and the Meuse.
The great primitive distriet of ecutral Franee (the second in our enumeration) abounds in extiuet volcanoes, aud iu tho rocks, such as traehytes, Uasalt, lava, \&c., which have arisen from thern. Scveral of
the 'Puys' of Auvergne consist of the craters of theso volcnnoes resting on the grapite, which is the prevailiug rook of the distriet, and on other cryatalline rocks. [Auvenowe.] The Cévennes and the valley of the IHone (even in thowe parts oceupied by tho strata between the chalk and the primitive rocks) exlilit traces of volcanio ageney, as likewise the isolated primitive diatrict between Auvergue and the Pyrences. Others are observed in the ancieut Provenee, near tho sources of the Argens, and one or two in the north-east of Fraice.

The mineral riches of France are conaidomble. Granito, sienite, porphyry, variolites, and serpentine are quarrled in the departinent of Ilautes-Alpes, in Corsica, and in some of tho departments of the north-west; lara in Auvergne, and marble of great varicty and beauty In the Dyrences, in Corsica, and in rarions other parts, Vast slato quarries are wrought at the foot of the Pyrences and in the departinent of Majneet-Loire, as well as in the Ardenne district near the Belgian froutier; and excellent limestono quarries for building abound. Llthographie stone, elay for bricks and tiles, kaoliu, or porcelnin clay, pipeelay, gJpsum, chalk, pavingstone, and millatones are found nt various points. Of the metals-iron, manganesc, antimony, and lead there is a great abundance. The mining or manufacturing of iron eaters into the industrial oceupation of the inliabitants of no less than 52 of the departments of France. Silver, gold, and jlatina are found in tho department of Isere. Some coppermines are wrought, the most important in the neighbourhood of Lyon. Gold is found in the soil brought down by some of the streams which rive in the Pyrences and the Cévennes, by the Hhône, and by the Rhine.

No less than 46 coalfields are explored in 34 departments, the greater number yielding chiefly good bituminous coal, some lignito; and others anthracite Sulphate of iron, alum, ssphalte, bitumen, and petroleum are also found. The most productive enal-districts are near Valenciennes in the north, and St.-Etienne in the sonth of France. Much coal is dug in the departaneuts of Snduo-etLoire, Aveyron, and Gard The department of Meurthe contains brine-springs and rock-salt; tho rock-salt field of Vie, discovercd in 1819, has an extent of not less than 30 sqnare leagues. There are in Franee 240 mineral aprings, of which more than 150 are eollected in baths for the reception of patients Of hot springs the most famous are those of Bardges, Cauterets, Bagadres-de-Bigorre, FauxChaudes, among the Pyrenees; those of Aix and Digne at the foot of the Alps; those of Viehy, Chaudes-Aigues, and Neris in the Cévennes region; those of llourbonnc-les-Lains in the Vosges; and those of St.Amand in the Andennes The hottest of the springs in France is that of Chaudes-Aigues in the Aurergne regiou, department of Cantal, the temperature of which is not less than $100^{\circ}$ Falur. The edministration of tho sevoral hot and cold springs is under tho inspection of physicians appointed by the government.

Climaic-The northern and western parts of Franco aro drier than tho southern and eastern. In the department of Isere, the mean annual quantity of raiu is 32 inchos; in the mountaiuous part of Ilaut-13hin 30 inches (Frencl measuro); in the plains of the same departraent more than 23 inches; and in the department of Rhône (Lyon) above 29 inches: while in tho department of Ille-et-Vilaine it is only 21 inches; iu thoso of Orne and Eure, between 20 and 21 inches; and at I'aris, in tho departenent of Seine, between 19 and 20 inclues. Of tho differenee and tho variations of temperature in different parts of Fruseo, a judgmont may bo formed from the following table:-

| Place. |  |
| :---: | :---: |
| Clermont in Auvergno |  |
| nonkerque | . . |
| Paris |  |
| SL. Malo | - |
| Santea |  |
| Bordeaux | , |
| Marsellie |  |
| Montpellier | - |
| Touloa | - . |
| Nimes | - |
| Agen. | - . |

Agricultwre-Franee has always been considered one of the most sgricultural countrien In Europe; but until vory recent times the symtern of husbandry han renaiued almont unimproved for centurioa, aud oveu yet the changem for tho better are fur from boing geneml. Tho want of ready coromuvication by roads and canals in times gone by, provented any great exertionm being made to luereaso tho produce of the soil, beyond the immedinte demand of the neighbourhood. One part of France often had defieiency of corn approachling to a famine, when plenty relgnod in another. Tho price of ginin in the mouth of France varied so mueh from that in the north, that there was a difference in the duty pald on the lmportation of forelgn corn in different jorth. Arthur Young, In his tour tbrough Frauee in 1787, was surprised to find the state of cultivatlon eno low in every province, except thowe bordering on the Netherlands. Hls observations bave been acknowledger to bo just by the Erench agricultural writers themselvos, and a certaln spirit of improvement lus boon
excited hy hin remarlis Since the revolution in li93, every encouragement to agrieulture has been hold out by the gorormment; hut notwithstandiag the nunerons excellent puhlicatious which luno been produced, and the eatabliahment of agricultural schoole, and model farms, the progress towards a more general adoption of inproved methouls of eultivation is Blow. In moat parts of Franee the farmer resides in or near the village, and tho land which bo eultivates is dispersed over a considerable extent of distant uninclosed fichds. Ho losen much timo in going and retmrniug, and ho has a great way to carry the little manuro which he masea, Artificinal grasses are eultivated to considerable extent, enpecially in the southern provinces, but not suffieiently to maintaiu as much stoek as would produce tho requisito quantity of wanure; and the very small demand for animal food, at a distance from the large towns, givos little encouragement to the feerling rand fattening of cattle, exeept where natural meadows abound, which is ebielly along the courso of the rivers, and in the provinces of Normandic and Brittany.

Tho great division of property which arises from tho law of equal distrihution mang all the ehildren at the death of the parent, tonds much to lessen the sizo of farms. In a country whers thore are donestic manufactures to givo employinent to tho lahourer or peasant, when his plot of ground does not require all his time, a more eareful cultivation is the consequenco of small oceupations. Habits of constant cmployment excite iudustry; and the ingenuity is sharpened hy tho practice of tho meelanical arts. But in an ignorant peasant leisuro produces idleness; and if a mero sufficieney of food cau be proourel from a smal! possession, for which no rent is paid, it is seldom that a great surplus is mised.

The proportion of the population of Franco whiel is oceupied in agriculture, is rauch greater than in those countries whieh are chiefly engnged in manufactures and eoramerce. There are iu France very few large propriotors of land, who, like the Eigglish country gentlomen, spend a great part of their time in the country, and take an interest in agricultural pursuits. Thore aro not many spoculative farmers who have eapital, and are posseased of a superior practical, as well as a theoretical knowledge of agrieulture, and who make it a means of acquiring wealth. Few expensive instrumeuts can consequently ever be tried, or brought into general use, nor any exteusivo improvoments undertaken. All these causes coneur in prevonting a rapid improvement in Frenels agriculture.
The northern part of France, on the confines of Belgium, and in the immediate neighbourhood of Paris, are the hest cultivated. In inost other parts, exeept where maizo is eultivated, the oll system of two or three crops of coru and a fallow is generally adopted. If the fallows were well worked and elean, the cropa would be hetter; but this is by no means the case. The variegnted appearance of the corn in May, from tho alundant blossoms of weeds, proves that they have not been extirpated. When they apprear likely to choke the corn they are sornetimos weedud out ; but as the method of suwing the seed in rows or drills with an instrument is uuknown or undervalued, there is no possibility of hoeing the intervals hetween the growing plants, and all the weeding must bo effected with the haud.

Arthur Young divides tho whole of Franee into four distiuet climates as regards agriculture. In the northern the vine does not thrive so as to make good wine. This distriet lies north-west of a line which passes north of Paris, and is parallel to the line of the Freweh const on the Channel. The next division is that in which wine is made, but maize or Indian corn does not thrive. The boundary of this district to the sonth is nearly parallel to tho line first mentioned, and passing through Naney in Lorraine divides France nearly into two equal parts, The third division is that in which both maizo and wino abouud, but where the climate is still too severe for tho olive or the white mulberry; this is bounded on the south-east by the Jura and a lino passing to the north of Lyon. The last division eonsists of the southern provinces from the last-mentioned line to the Pyrenees, where the olive and the mulberry abound as well as maize and the vine. In this part the year often yields two harvests of corn, but the soil is not well adapted to permaneut pastures exeept at a cousiderable elevation ahove the sen

The finest elimate is in the third divisiou, whore corn, maize, and wine are good aud abundout. The heat is not so oppreasive as in tho southern provinees, and there is the greatest acojo for agrieultuml operatious. The most fertile lands are towards tho north and east. Tho Beauee immediately south of J'aris is also a fino whent couutry, and so are Touraine, Alsaec, and the plain of the Garonne. The worst soils are in Champague, Sologne, and along the const of the Bay of Biseay. Tlio cultivation of rice has heen iu recent yonrs introrluced into the Isle of Cumarguo, in tho departwont of Bouches-du-1Rhone, with we belicve tolerable succens.

Tho Cornte du Gamparin, iu his 'Cours d'Agriculture,' divides France into three zones, which be uames regious of coreals, vines, and olives, aecording to the most important juroduet of each. The eercal region eomprises all the north of France to a line drawn from the mouth of the Loiro to the Rbine, a little uorth of Paris. To the aouth of this is the region of vines, whieh exteuds to a line drawn nearly parallel to the former througle the town of Orange. The remainder of Franeo forms the zone of the olive.

Aceording to a recent return of the whole surface of France ( $131,069,931$ acres), including Corsica, there were $13,808,171$ acres undcr wheat; 11,715 acres werc sown with spelt; $2,251,439$ with mixed corn (maslin); $6,369,879$ with rye; $2,936,453$ with barley; 7,416,297 with oats; and $1,561,372$ with maize: and the products were in bushels- $191,284,670$ of wheat; 374,348 of spelt ; $32,530,982$ of mixed cora; $76,482,175$ of rye; $45,819,020$ of barley; $134,474,408$ of oats; and $20,955,726$ of maize. This gives a total cereal produce of $501,921,629$ bushels, and the average corn produce for the whole of France at only $14 \cdot 6$ bushels per acre. The average yield of wheat per acre for the whole of France is hardly 14 bushels. In England no strictly accurate statement of tho average can be given for want of adricultural statistics; it is however all but certain that the average sield of wheat per acre for all England is about 28 bushels.
Since the above return was published the corn-produce hasincreascd considerably in favourable years, and France has since the abolition of the English corn-laws exported corn largely. The increased facilities for transit by means of railroads has no doubt also, among other causes, operated as a stimulant to agricultural industry. The cultivation of the vine, of the artificial grasses, of pulse, and above all of potatoes, has greatly increased within the present century. Beet-root is extensively grown for the manufacture of sugar. The esculent roots and tahle-vegetables are common. Flax, hemp, and oleaginous seeds are cultivated extensively. Hops, tohacco, and madder are grown. The olive and the mulherry are also extensively cultivated : of the latter there are betweeu fifteen and twenty millions of trees planted in the departments that lie in the basins of the Rhône, the Garonne, and the Upper Loire. The departments of Gard, Drôme, Vaucluse, and Arddche are the most distinguished for their mulberry plantations, and for tho produce of silk. The industry of the peasants in some of tho more sterile districts is very great: iu the Cevennes and in Auvergne they build walls to retain the allurial soil brought down by the mountain streams, and cultivate the sides of the mountains by means of the terraces thus formed.
In the south the soil of tho hills is stony, which suits the vine, but is unfit for tho growth of corn ; between the hills there are valleys which abound in every kind of produce, and where there is a" command of water to irrigate the fields the most productive water-meadows may be made. The French bean is extensivcly cultivated for its seeds, which when boiled are said to coutain more nutritive matter than any other seed in the same compass. The arable land and pastures are not intermixed as in Fingland, but generally lie wide of each other. The horsos and cows are fed chiefly on clover, lucern, sainfoin, and other artifiaial grasses, of which no greater extent is raised than is absolutely nccessary. More attention is now given however to the feediug of cattle for the markets, and cattle-shows are coming into voguo in Paris and the chief provincial towns.
The agricultural implements in use in Franco are in most instances fcw, and not of an improved kind. Each province has its own fashion in making ploughs, most of which are rude and do their work imperfectly. At cattlo-shows there are, as in England, exhibitious of improved agricultural instruments, which will thus come immediately under the notice of farmers, and no doubt cause a general amelioration in this respect. The corn is reaped with the sickle. In the uorthern parts the barns are very large, to hold the whole erop of the farm; for stacking corn, or even hay, is almost unknown. In the south the corn is thrashed out in tho field, and put into granaries immediately after harrest. The size of farms in France is much less than the average of English farms.
Model farms and establishments for the diffusion of agricultural knowledge have becn established in various parts of France. At Grignon, near Paris, is an agricultural establishment supported by the government; and in several of the provinces similar establishments have been founded of late years. They cannot fail gradually to introduce improved methods of cultivation.
The vine is one of the most important objects of cultivation in France. In 10 of the 86 departmcuts it is not grown for the purpose of making wine, or at all upon a considerable scale: in the other departments it is more or less an object of attention. The amount of land occupied by this culture is about $5,000,000$ acres. The average yearly prodnce of the French vincyards is estimated at $42,000,000$ hectolitres (about $924,000,000$ gallons), of which about one-seventh is converted into brandy. The departments drained by the Garonne, the Charente, and the Adour; those lying along the Rhône and the Sadue; the basin of the Loire; the region of the Moselle; valleys of the Scine, tho Yonne, and the Marne, produce wines of the finest growth and the greatest variety. The bauks of the Charente produce no wines of reputation, but the grapes grown on them yield the best distilled spirits in the world, Cognac brandy. The department of Gers also is farmous for a mild and delicate brandy called Armagnac. The wines of Languedoc, Provence, and Roussillon are remarkable for fulness of body. The average annual produce of the vineyards is estimated at $720,000,000$ of frances, or about $28,500,000 \mathrm{l}$. In the departments of the north and north-west, which do not produce the vine, elder forms the usual drink of the poorer classes. The actual quantity of wine produced during the last few ycars is as follows:$1848 \cdot 1,135,687,344$ gals. $\left\lvert\, \begin{array}{ll}1850.083,788,166 \text { gals. } & \mid 1852 \cdot 626,133,222 \text { gals. }\end{array}\right.$


Of the fruit-trees which are cultivated on a considcrable scale in France, the mulberry is one of the most importaut : it is reared for the nourishment of the silk-worm. This branch of culture has much increased of late years. The olive, the orange, the lemon, the pistachio, are grown along the shore of the Mediterranean: the plum when dried furnishes a considerable article of export. The apple and the pear are grown in Normandie and Bretagne for making eider and perry, which furnish the peasantry with their common drink: tho apple is also exported in a dried state. The chestnut furnishes the peasantry of the more barren districts with an important article of food, and the walnut is grown for its oil.
Of forest-trees France has the oak, the cork-tree, which is cultivated in the dcpartments of the south-west, the elm, the ash, tho beech, the birch, the poplar (white aud black), the larch, the juniper, the wild eherry, and the pine. The hox, the cornel, the maple, and others furnish the cabinet-maker with oruamental wood. The eastern part of central Frauce is the best wooded district, and the former province of Bretagne is the most destitute of wood. As in France wood is almost universally used for fuel, it is an object of considerable attention; and it is calculated that about one-seventh of the whole country is occupied as woodland. The principal forests are on the various mountain ranges; except on the Alps and Pyrenees, which are rather bare of wood. The ranges of the Jura and the Vosges furnish good deals; and the forests of the maritime pine enable the peasant of the Landes between the Garonue and the Adour to turn that otherwise barren tract to some account: these forests yield oharcoal, rosin, and pitch.
Animals.-The domesticated animals of France are, for the most part, similar to those of Great Britain.
Horses in France are by no means equal either in number or in excellenco to what they might be under a better system of agriculture. A considerable number are imported annually, although the richness of the soil should rather enable the French to export. Considerable pains have been taken by the establishment of governmeut studs and by other means to improve and inerease the breed. The horses of the provinces of Normandic, Picardy, and Alsace are well adapted for war, posting, and agriculture; those of the departments of Orne and Calvados are excellent for the saddle or the carriage; those of the dcpartments of Maineet-Loire and Sarthe, and the departments adjaccent to the mountain chains of the Alps and the Jura, are adapted for light caralry; the horses of Limousin, Auvergne, Guienne, Gas cogno, and Bearn are in the highest repute for the combination of lightuess and strength. The horses of Bretagne are a rough hardy breed.
Tho ass, though probably superior to that of Great Britain, is, except in the department of Vienne, far inferior to the ass of Spain or Italy. Mules are hred in many parts, and some of them are exported. Oxen in France are much cmployed in the labour of the field instead of horses: they are of many difforent breeds aud sizes: among the smallest are those of Bretagne, aud tho mountain cattle of the Alps, Pyrenees, aud Cévenues. Oxen are frequently bred in ono part of the country and fattened in another part. The rich plains of Lower Normandio affiord pasturage to great numbers of oxen which are brought thither from various quarters, especially from the hilly districts of central France where they are bred. The sheep are of various breeds, some of which have been so far improved as to furnish a wool equal to that of Saxony. The number of sheep in proportion to the population is by no means equal in France to what it is in England; they are most numerous in the former provinces of Berri, Bourbonnais, Normandie, Picardie, Ile-de-France, Orléanais, Rouergue in Guicune, and part of Languedoc. The sheep of Poitou and Picardie, and of some parts of Normandie, the Ilo-de-France, and Guienne, are the fattest; those of Bourgogne and the Ardeunes are most esteemed for their mutton: but the best mutton on the whole is fed on the sandy districts near the sea. The sheep of Roussillon approach nearest to merinoes in the fineness of the fleece. Some goats a"e bred in the mountainous districts : the Tihet goat, the hair of which is woven into Cashmere shawls, has been naturalised iu the Pyreuees. The swine are of three races: the original breed, which existed in the time of the Celts, and which is still found in Normandie, especially in the valley of Auge; the Poitevin breed, and that of Perigord: from the crossing of these breeds a numbcr of varietics lave resulted. The trade in salt provisions forms an importaut branch of industry in the department of Basscs-Pyrénces (where the Bayonne hams are cured), and in tho frontier departments of the cast and north-east.

The rearing of poultry is in most parts much attended to. By a peculiar mode of treatment the livers of the duck aud goose are rendered very large and very delicate. The duck-liver pies of Toulouse and the goose-liver pies of Strasbuurg are known to cpicures.

Of wild animals the black and brown bears have their haunts in the French Pyrenees; the lyux is found, though very rarcly, in the recesses of the higher Alps; and the wolf and the wild hoar are common in the forests. The chamois and the wild goat are found on the summits of the Alps and the Pyrenees. The stag, the roebuck, the hare, and the rabbit are common. The marmot inhabits the Alps and the Pyrences, and the ermine and the hamster are found in tho ueighbourhood of the Vosges.

The red squirrel, the alpine aquirrel, and a species of the flying equirrel are also found in the forests of the Voages and in tho wools on the banks of the Moselle or on the slopes of the higher Alps. The smalier beasts of prey and verzain, sueh an the fox, the Ladger, the hedgehog, the polecat, the weazel, the rat (of which the original black species has been, as iu England, extermiusteri and replacod by the invasion of a largerkind), the mouse, the mole, and the field-mouse are sufficiently anmerons in their reapeetive linunts Among the amphihious animals are tho otter and the water-me

Of birds the elief songsters and the binde of paseage are much the same as in England, with the addition of the hoopoe and onu or two otherm.
The dimingo is found on the elores of the Mediterranoan. Of game, there nre the red partridge, common in the departments of the centre and west, nud the gray partridge, cominon in the south ; the quail, the ortolsn, the beccafico, the pheasaut, the woodcoek (abundant in Picardie), and the saipe in Auvergne. The plover, lapwing, wild duck, and otbers are taken in great numbers on the consts of the Clonnacl and the Occan, especially in the department of CharenteInférieure.

Of other animals we mention only a few: the geeko of Mauritania is found on the Meditermmean coast. There are several species of ripers and of harnless snakes: the latter aro in some places regarded as fit for food. Frogs are numerous aud of many species: oue, the prickly frog, is of a great size aud hideons form.

The tortoise, the salamander, the scorpion, and a kind of spider closely resembling the tamatuln of Italy, are found. The honey bee (which is reared in great nnmbers) and the silk-worm are the most valuable insecta; the Spanish fly is sufficiently numerous to furuish au article of exportation. Leeches are found in many parts.

Fisheries.-The consts abound in fish of various kiuds, the taking of which occupies a number of hands: the herring, the maekerel, and especially the sardine or pilchard, are the chief ohjects of attention to the fishermen of the coasts of the Channel and the Allantie: the tunny and the anchory, to the fishermen of the Mediterranean. The oyster, erah, lobster, and other Crustacea are in great demand. The best nre found on the coast of the departments of Manche, Calvados, and Charente-Inférieure.

Dirisions Cimil, Eceleciastical, Judicial, and Military.-Before the revolution of 1789 Franee was divided into 33 governments or provinces of very nnegunl extent. It is now divided into 86 departmenta, which are named from the prineipal rivers that drain them, from the mountains within their limits, from their sitnation, or from some remarkable locality. The arrondissements are always named from the chief town in each. These 86 departments are divided into 363 nrrondissemeuts, 2547 cantons, and 36,835 communes, which, except that they have a corporate form of government, do not generally differ mueh iu extent from parishes. Fach department is administered by a prefect; each arrondissement by a suh-prefect; and each comrnune by a mayor (maire). In ench departmeut there are also several officern connected with the arrangement and receipt of taxes, mn engincer of roads and bridgea, a military sub-intendant, and a company of gensdarmes. In the elief towns of departments courts of assize are held; each arrondissement has its tribunal of firat instanee, aud each canton a judge of the peace. The more important departmental capitals aro seats of ligh conrts of justice and appeal, and head-quarters of Military Divinions.
The prefect is mppointed hy the eentral power and is iuvested with the civil, financial, military, and in some respeets judieinl administration. He regulates the articles of the depnrtmental budget, which he discuspes with the council-general. He presides at the conscriptions for recruiting the nrmy, and overlooks the whole finnncial administration, including direct and iudirect taxes, public domains, woods and foresta, \&c. Assisted by his council he forms $n$ tribunal of first instance. In all these eapacities he eommunicates with the ministers of the crown. Once a year a council-genersl of department, composed of as many members as the department has cantons but not ex. cceding 30), assembles to examino the accounts and proposals of the prefect, to assigu to each arondissement the proper share of taxntion, to determine upon the demands for reduction made by eouncils of arrondisement, \& $c_{\text {, }}$ and to settle the amount of taxes for depart. mental purposen. The council of arrondissement, which consists of not lean than 9 members, ham similnr clutice in conjunction with the sub-prefect, only in marrower sphere; it addrcsses jts opinion on the state and requirementh of the arrondisement to the prefeet, who deciden. Finally the commnnal counell (eomposed of 10 to 36 mem bere aecording to the importance of the commune), considers with the mnyor the ppecinl interests of the commune, its octroi duties, roode, commumal property, recelpth, and local expenses. The mem. bern of the departmental conneiln are chosen by the electors of the departmeat; thoce of the anmicinal councils by the communnt clectorn

The nld governments or provinces of Frnnce, as well as all their more impmennt nulnlivinionk, are notieed lut this work. The depart. menta anfl all the largo towns are also deseribed.

In the following tahle the area and population of ench of the 86 departments in given as returaed in the official census of 1851:-

| Department. | Area in Sq. Niles. | Pepulation in 1851. |
| :---: | :---: | :---: |
| Ain . | 2,242.0 | 372,039 |
| Alsne . . . . . | 2,843.0 | 588,980 |
| Allior | 2,821]8 | 330,75: |
| Alpes (Basses-) . . . | 2,670.0 | 152,070 |
| Alpes (1lates-) . . | 2,130.8 | 132,038 |
| Ardicho | 2,138.8 | 880,505 |
| Ardennes - | $2,021.0$ | 881,296 |
| Ariege . | 1,889.0 | 287,435 |
| Aube | 2,317-2 | 265,247 |
| Aude - . | 2,436.7 | 289,747 |
| Aveyren - | 3,384.4 | 304,183 |
| Boucherdu-Thone | 1,984.9 | 128,089 |
| Calrados | 2,181-8 | 491,210 |
| Cautal . | 1,999 2 | 258,329 |
| Charente . | 2,295.6 | 382,912 |
| Charente-Infiricure | 2,626.0 | 469,992 |
| Cher | 2,770.8 | 300,261 |
| Corrize | 2,205.0 | 320,861 |
| Curse | 3,377-5 | 230,251 |
| Cote-d'Or . | 3,382.7 | 100,297 |
| Coltes-du-Nord | 2,659.0 | 632,013 |
| Crcuse . | 2,150.0 | 287,0i5 |
| Derdogne . . | 3,536.8 | 305,789 |
| Jonks . . | 2,010.0 | 296,6i9 |
| Drome | 2,519.2 | 826,846 |
| Eure - | 2,689-4 | 115,7i\% |
| Eure-et-Lolr | 2,208.7 | 294,802 |
| Finistère . | 2,593.8 | 617,710 |
| Gard . | 2,250.5 | 108, 163 |
| Garounc (Hante-) . | 2,431.0 | 480,791 |
| Gers. | 2,124.9 | 307,479 |
| Glronde | 3,760.0 | 614,387 |
| Ilérault . | 2,503.1 | 389,286 |
| Ille-ct-Vlaine | 2,597.5 | 574,618 |
| Indro . | 2,629.7 | 271,958 |
| Indre-et-Loire . | 2,360.6 | 315,641 |
| Isère . | 8,201-1 | 603,497 |
| Jura . . | 1,928-3 | 313,299 |
| Landes . . . . | 3,599.1 | 302,190 |
| L.oir-ct-Cher . . . . | 2,458.2 | 261,892 |
| Loire . . . . | 1,811.8 | 472,588 |
| Loire (IAaute-) | 1,916.0 | 304,615 |
| Loire-Infírleure | 2,654.3 | 355,664 |
| Loirct - . | 2,612•I | 311,029 |
| Lot . . . | 2,012.8 | 296,22: |
| Lot-et-Garonne . . . | 2,067•3 | 311,345 |
| Lozìre - | 1,094.9 | 144,:05 |
| Mainc-et-Loire | 2,:51'3 | 515,452 |
| Manche - . | 2,291.0 | 600,882 |
| Marne . | 3,158.6 | 373,302 |
| Marne (Maute-) | 2,401-8 | 268,398 |
| Mayenac | I,993-1 | 374,566 |
| Meurthe | 2,353.0 | 150,428 |
| Meuse. | 2,405 9 | 328,657 |
| Merbihan | 2,626 $\cdot 8$ | 178,1:2 |
| Moselle | 2,075•3 | 459,684 |
| Nierre | 2,632.0 | 327,161 |
| Nerd . | 2,103.5 | 1,15s,2ss |
| Oise. | 2,260.5 | 103,857 |
| Orno - | 2,355•6 | 439,884 |
| 1ras-de-Calais | 2,550.5 | 602,004 |
| Puy-de-Dime . | 3,072-8 | 596,897 |
| Prrentes (basses-) | 2,943-3 | 4 46,007 |
| Prrénés (1Fautes-) | 1,148.4 | 250,934 |
| l'grénextorientalcs | 1,591.4 | 181,955 |
| 12hin (Bas-) . | 1,756.0 | 387,434 |
| Mhin (IIaut-) . . . | 1,585.8 | 101,147 |
| Whone ${ }^{\text {co }}$ | 1,077-4 | 5i4,745 |
| Sabne (llante) . | 2,064'5 | 347,409 |
| Sajne-ct-Lolre . | 3,506.7 | 334,720 |
| Sarthe . . . | 2,596.2 | 473,071 |
| Seine - . . | 183.6 | 1,122,005 |
| Selnc-et-Marne . . . | 2,281-7 | 845,07 5 |
| Selne-ct-0l*o . . | 2,163.5 | 471,882 |
| Selne-lnférleare . . . | 2,332.7 | -02,030 |
| Serres (1)cux-) . . | 2,310.5 | 823,615 |
| Somme - . . | 2,378.4 | 570,6\$1 |
| Tarn - | 2,218.5 | 363,073 |
| Tarn-et-Garonnc - | 1,436.6 | 237,553 |
| Yar . . | 2,790.0 | 857,907 |
| Vauclnse - . | 1,3:2.4 | 281,618 |
| Vendec . - | 2,500.6 | 383,734 |
| Vienne . . | 2,602.4 | 317,305 |
| Vlenne (llaute) . | 2,130•3 | 310,379 |
| Yeages . | 2,347-6 | 427,409 |
| Senne. | 2,808.0 | 381,138 |
| Total | 204,052.0 | 35,781,628 |

The ecclesinstical division of France before 1789 was into 18 anchbishoprics, exelusire of Avignon. Of these one (Camhrai) was redueed to a mimple bishopric, but lins since been restored to its former higher
dignity; four were united with others, namely, Arles and Emhrun with Aix, Vienne with Lyon, and Narhonne with Tonlonse : the addition of A rignon makes the present number 15. Of the dioceses 49 were suppressed at the first revolntion; the remainder, with the new sees of Nancy, St.-Dié, and Moulins, make up the present 65 hishoprics.

In general thronghout France a hishop's see is co-extensive with the department in which the town is from which he takes his title. In a few cases two departments are united under one hishop, and in fonr instances (the archdiocese of Reims; the archdiocese of Aix, Arles, and Emhrun; and the hishoprics of Chalons and Marseille) the eee is less thau the department. In the articles on the episcopal towns and the departments of France, the extent of each see is expressly stated.

We here merely name the dioceses, which, with the arch-see given in italics, are comprised in each of the I5 ecclesiastical provinces of France:-
I. Paris.-Chartres, Meaux, Orléans, Blois, and Versailles.
2. Cambrai.-Arras.
3. Lyon-et-Vienne.- Autun, Langres, Dijon, St.Claude, and Grenohle.
4. Rouen--Bayenx, Evreux, Sécz, and Contances.
5. Sens-et-A uxerre.-Troyes, Nevers, and Moulins.
6. Reims.-Soissons, Chalons, Leauvais, and Amiens.
7. T'ours.-Le-Mans, Angers, Reuues, Nantes, Quimper, Vanues, and St. Brienc.
8. Bourges.-Clernont, Limoges, Le-Puy, Tnlle, and St--Flour.
9. Alby.-Rodez, Cahors, Mende, and Perpignan.
10. Bordeaux. - Agen, Angoulêmc, Poitiers, Périgueux, LaIRochclle, and Luçon.
11. Auch--Aire, Tarhes, and Bayonne.
12. Toulouse-et-Narbonne.-Montanhan, Pamiers, and Carcassoune.

I3. Aix, Arles, et Embrun.-Marseille, Frénns, Digne, Gap, and Ajaccio. Algerie forms a hishopric of this province.
14. Besancon-Strashourg, Metz, Verdnn, Belley, St.-Dié, and Nancy. 15. Avignon.-Nines, Valence, Viviers, and Montpellier.

The French Latherans, who are chiefly resident in Alsace, are under the consistory of Strashonrg. The French Calvinists, a mnch more important hody, have meetiug-honses in 51 departments, and are governed hy consistories, five forming a synod.
Judiciary.-The administration of justice in France is uniform. As before stated each canton has its justice of peace, who is always a professional man, and has snmmary jurisdiction in matters of less importance, and all suits must come hefore him with a view to an amicahle settlement if possible; failing which, they are carried hefore $\pi$ higher court. The mayors of communes also act as inferior magistrates. The large towus are divided into several cantons. In each arrondissement the tribunal of first instance takes cognisance of civil and police cause日, in accordance with the code and the laws of the state ; and 26 high courts, formerly called royal courts (Cours Royales), take cognisance of appeals against the judgments of the tribnnals in their respective jurisdictions. Before these courts are tried all offences against the state. In cases of misdemeanour the first jurisdiction rests with the jnstice of peace, who may send the person or persous charged before the trihnnal of first instance, which then acts as a trihunal of correctional police; from these the accused parties may appenl to the high conrt. In matters of grave character the criminal is finally kronght hefore the court of assize (the judges in which are one or more memhers of the high conrt), where he is tried before a jury of 12, drawn hy lot, from a list of the electurs of the department in which the assizcs are held. Conrts of assize are held in the chief towns of the departments three or four times a year.

Commercial causes are carricd hefore trihuuals of commerce, the judges in which are elected for three jears hy the leading merchants of the arrondissement, subject to the approval of the central power. In matters that involve amonnts exceeding I500 francs, an appeal lies to tho high conrt of the district. These courts exist with the greatest advantage in ncarly all the great commercial and indnstrial districts of France. Where thero are not trihunals of commerce their functions are discharged hy the trihnnals of first instance.

In the maritime and mannfacturing towns there are besides councils of Prud'-1Iomues ('experienced men'), with summary jurisdiction in matters to the amonnt of 100 francs. If the amonnt in dispute exceeds 100 francs, an appeal lies to the trihunal of commerce. These councils aro composed of master mannficturers and workmeu elected annually; they do not snffer lawyers to plead in their conrts: they pit in thic evening when the workpeople leave the shops aud factories, and take cognisance also of disputes between masters aud apprentices, mannfacturers and their workmen. The conncil of Prud'-Hommes is one of the most extensively useful institntions in France: in Lyon alone above 5000 cases are decided annually, appeals are rare, and a reversal of the decree of the conncil rarer still.
Finally, in ench military division aud naval head-quarters, councils of war and naritime conncils are held to decide (snhject to a council of revision) upon the offences of soldiers and sailors.
The high court of appeal from all thcse conrts and trihnnals, and for tho whole of France, is the 'court of cassation,' which sits in foris, and the judges of which are appointed from amongst the most distinguished French lawyers.

A high court of justice chosen from amongst the high magistracy, and having as jnry memhers of the conncils-general of all France, takes cognisanee of all attempts against the chief of the state and the public safety.
The following is a list of the high courts, showing the departmeuts within the jurisdiction of each :-

1. Agen.-Gers, Lot, and Lot-et-Garonne.
2. Aix.-Basses-Alpes, Bonches-du-Rhône, and Var.
3. Amiens.-Aisne, Oise, and Somme.
4. Angers.-Maine-et-Loire, Mayenne, and Sarthe.
5. Bastia.-Corsica.
6. Besanron.-Doubs, Haute-Sâne, and Jura.
7. Borcleaux.-Charente, Dordogne, and Giroude.
8. Bourges.-Cher, Indre, and Nièvre.
9. Caen.-Calvados, Manche, and Orne.
10. Colmar.-Bas-Rhin, and Haut-Rhin.

I1. Dijon.-Côte-d'Or, Haute-Marne, and Sâuo-et-Loirc.
12. Douai.-Nord, and Pas-de-Calais.
13. Givenoble.-Drôme, Hautes-Alpes, and Isère.
14. Limoges.-Corrèzc, Creuse, and Haute-Vienne.
15. Lyon-Ain, Loire, and Rhône.

I6. Metz.-Ardennes, and Mosello.
17. Montpellier:-Ande, Aveyron, Hérault, aud Pyréuées-Orientales.
18. Nancy.-Meurthe, Mense, and Vosges.
19. Nïnes.-Ardèche, Gard, Lozère, and Vauclnse.
20. Orléans.-Indre-et-Loire, Loiret, and Loir-et-Cher.
21. Paris.-Anbe, Lure-et-Loir, Marne, Seine, Seine-et-Marno Seine-et-Oisc, and Yonne.
22. Pau.-Basses-Pyrénécs, Hantes-Pyrénées, and Landes.
23. Poitiers.-Charente-Iuférienre, Denx-Sèvres, Vendée, and Viennc.
24. Rennes.-Côtes-du-Nord, Finistère, Ille-et-Vilaine, Loire-Infé. rienre, and Morhihan.
25. Riom.-Allier, Cantal, Haute-Loire, aud Puy-de-Dôme.
26. Rouen.-Eure, and Seine-Inférieure.
27. Toulouse.-Ariège, Hante-Garonne, Tarn, and Tarn-et-Garonne.

Military Divisions, de.-By a decree dated December 26, 1851, France is now divided into 21 Military Divisious, each of which comprises one department or more. They are each named from the chief town, which is the head-quarters of the officer in command of the army corps of the division. These.divisions, with the departments inclnded in each, are as follows :-
I. Paris.-Seine, Scine-et-Oise, Oise, Seine-et-Marne, Aube, Youne Loiret, and Enre-et-Loir.
2. Roven.-Seine-Inférieure, Eurc, Calvados, and Orne.
3. Lille.-Nord, Pas-de-Calais, nud Somme.
4. Chalons-sur-Marne.-Marne, Aisne, and Ardennes.
5. Metz.-Moselle, Mense, Menrthe, and Vosgcs.
6. Strasbourg.-Bas-Rhin, and Hant-Rhin.
7. Besancon.-Douhs, Jura, Côtes-d'Or, Haute-Marne, and HauteSnône.
8. Lyon.-Rhône, Loire, Saône-et-Loire, Ain, Isère, Hautes-Alpes, Drôme, and Ardèche.
9. Marseille.-Bonches-du-Rhône, Var, Basses-Alpes, and Vaneluse.
10. Montpellier:-Héranlt, Aveyron, Lozère, and Gard.
11. Perpignan.- Pyrénées-Orientales, Ariège, and Ande.
12. Toulouse.-Hante-Garonne, Taru-et-Garonne, Lot, and Tarn.
13. Bayonne.-Basses-Pyrénées, Landes, Gers, and Hantes-Yyrénées.
14. Bordeaux:-Gironde, Charente-Inférienrc, Charente, Dordogne, and Lot-et-Garonne.
I5. Nantes.-Loire-Inférieure, Maine-et-Loire, Dens-Serres, and Vendée.
16. Rennes.-Ille-et-Vilaiuc, Morhihan, Finistère, Côtes-du-Nord, Manche, and Mayenuc.
17. Bastia.-Corsica.

Is. Tours.-Iudre-et-Loire, Sarthe, Loir-et-Cher, and Vicnnc.
19. Bourges.-Cher, Nièvre, Allier, and Indre.
20. Clermont-Ferrand.-Puy-de-Dôme, Hante-Loire, and Cautal.
21. Limoges.-Haute-Viennc, Creuse, and Corrèze.

For pnrposes of naval conseription the territory of France is also divided into maritime provinces, of which there are five, named from the great naval harhonrs of France-Chcrhonrg, Brest, Lorient, Rochefort, and Toulon.
The territory of France is admirably defeuded by nature against foreign enemies except towards the north-east. The Atlantic coast on the north and west with few harhonrs of any depth, and those that aro deep heing difficnlt of access or strongly defeuded, warn off the invader by sea. The Pyrenees wonld he impassahle in the face of united France; the eastern frontier with the wall of the Alps, the Jura, and the Vosges equally so. But towards the north-east, on the Belgian, Prıssian, and Bavarian frontiers, the country has no natnral defence. But in this quarter military science lias done its utmost in constructing fortresses to command all the leading approaches, and in no conntry in the world are there so many strongly fortified towns in the same extent of territory. Along this fronticr are the fortresses of Dunkerqne, Lille, Douai, Camhrai, Valenciennes, Condé, Mauhenge, Avesnes, Rocroy, Givet, Charlèmout, Mézières, Sedau, Thionville, Metz, Bitche, and Weissemhourg. Along the Rheuish frontier (the
proper defence of thin guntier lowever in not the lhino but the Posges Mountaina) are the fortremen of Hagucnau, Strashourg, Schelostadt, and Nonf Brisach; Blfort, ibeaugon, and the ForthleIlliclus conmand the approaches from Switzerlamel: towarls the Alpe and the Sandinien frontler are Orenollo and Brinucuu; the 1'yronenn paseen aro defcuded by Perpignna, Bellegnede, Mont Lonis, Sh.Jenn-Pied de-Port, and Bayonne. In tho iuterior many of the townsare strongly fortifiod, but Parin, with its continuous wall and detached forts, is the moet importaut in every point of viow. The detached forts erected in recent timea round Lyon, niso render that city a very important military position. The great navel dock- and building-yanis aro Brest, Toulon, Ziochefort, Cherbourg, and Lorient. Sloope of war are built also at Bnyonne, Nantes, and Stu-Servan, n suburb of St-3Inlo.

Gorernment. - The constitutional monarely sud representative government which had prevailed in France under King Louis l'hilippe, the heard of the jounger branch of the Bourbons, were abolished by tho republican revolution of 1848 . A ropublic in form, governed by a presideut and a natioual asembly, the members of whlch were clecter by ballot, with a suffrage all but uuircrsal, succoeded.

On December 2, 1851, Prince Louis Napoleon Bonaparte, prasident of the republic, issued a decree dissolving the Legislative Assendly, cstablishing universal sufrago (the assembly had considerably restricted the suffragu), proposing a prosident for teu years, and a second chamber, or seinte. Ou the 20 th aud 21 st of December the French people, by $7,439,210$ affirmative votes ngainst 640,737 negative oues, adopted a 'plebiscite,' or decree of the people, maintnining the nuthority of Louis Napoleon Bonaparte, and delegating to him the powers neceasary for establishing a constitution on the bases proposed in the above proclamation. The power thus conferred upon the president resulted in the important state psper issuod January 15, 1852, which coutains the constitution under which France has been since governed.

According to this proclamation the presidcut, while he wisely retained that title, assumed moro than royal authority. Ho is rosponsibie to the poople aloue, who bud clected him, and not to a national assenbly: the command of the land and sea forces, the oxclundre initiation of new laws, the right to deciare the state of siege, were smong his leading nitributes. A Scunte was appoiuted, whoso number was not to cxceed 150, the mombers to bo namod for life by tho president, who may also grant thom anlaries. A lower chamber, called the Legislative Loly, cousists of 201 meusbers, oue for every 33,000 eloctors, and choseu for teu years by universal suffrage, but without the ballot. The sittiugs of both chanbers to lo private ; ollicinl reports ouly of the proceedings to bo published. No member of either chamber has the power to originate any law; if anseudmeuts ars adopted they must bo sent to the curnoil of state, and cannot be discussed if not also adoptod by this body. The presideut convokes, adjourns, 1 rorogues, and dissolves the Legislative fody. Iu case of a diseolution a new ono is to bo convoked withiu eix montha. The session of the chambers to last three months.
A council of state, composed of 40 or 50 salaried members, nominated and rreniled over by the president, draws up the projects of all lawn. The Senate is not to be transformed into a court of justice. For crimes aguiunt the chief of the state and the public safoty a high court (ss alove explained) is appointed. Ninisters cannot bo memlera of tho iegisiature. l'ctitions may be addresed to the Senate, bat none to the Legisintive lbody. 'the mayors of communes are appoiuted by the executive.
in this dnught of the constitution the name of republio was retained, and the title of presideut; but on December 2, 1852, in accordance with a decreo of the Senate dated November 7, 1852 , and a plebincite carried by $7,839,552$ votes ngainst 254,401 , the narge of the govermanent was changed, the cmpiro was reeestablished, gud Louis Napoleon lopaparte bocame emperor of tho Freuch uuder the title of Sapoleon 111., the throne being bereditary to his legitiuate male descendarth, failing which, tho succostion rusts in 1riuce Jerome Napoleou Bonaparte rud hin direet iegitimate descendants in the male line by order of frimogeniture. Since the establishmeut of the enpire wome very ulight modifications have been made.
Rerence, EEpendifure, dec.-Tho gencrai reveuue of France is derived from direct and indlrect taxes, and from customs aud inport duties. The budget of the mingeter of finnuce haviug been voted by the chambera the amount of the direct taxes is distriluted anong the 86 departinents of France according to their exteut, industrinl progrose, popmation, and preaumed degree of prosperity. The prefect, nided by the counell-genemal of eneh deprartment, nillots to each nerondiancmeut its mhare of the monount lmposed on the whole dejmatment; the sub-prefect, in concert with the conueil of arrondinement, dividen this quota ansong the cantoris and connmunce; quad, finally, the mayor, with the mantance of the nunieipal or counuunni counch, -igna to each luhnbitant the amount he lias to pay. Tho inslircet caxation comprinos land and assomed Lnsea, tho dinties ou wlues aud aplrith, tho navigation of rivels, tithe of the octrol duties of cowna, licenoce, हtamper, ale of stite property, pont-ofice nud mail service, haport and expert duties, profite from the stnte forenta, io.
According to the budget for 1854 the total recelpts amounted to $1,520,059,5 ; 2$ france ; and thio oxpenmen voted in $1,510,820,450$ fruues The expenditure is thus distribnted:-Interent on the public debt,

896,503,482 frnues; expene of the chambers, $36,604,180$ frincs; eredits to mivisters, 756,$0 ; 8,254$ franes; expeuso of collecting taxer, de., $151,878,334$ francs ; drawback $日, \& 0,80,100,242$ frauca ; extraordinary expenses for publio workn, \&c., $89,580,000$ francs.

The bulget for 1355 ostlmatee the recoipte nt $1,560,012,218$ frencs ; and the expenditure at $1,56^{2}, 080,308$ francs. The expenditure includes the following grants :-

Mialstry of Stato
Justico .
Foreign Afralrs

## Fianace

Interior
Mariae
Mariae
rublle Instruetion and Publio Worsbip
Agriculture, Comineree, and PubHe Works .

12,146,400 fr, or $341,650 \mathrm{fr}$. more than in 1851 .
$27,143,380 \mathrm{fr}$. or $\$ 02,600 \mathrm{fr}$, more than la 1354 .
$0,621,000 \mathrm{fr}$. or $391,000 \mathrm{fr}$, more than Ia 1851.
$711,964,619 \mathrm{fr}$. or $20,581,201 \mathrm{fr}$. more than in $185:$
130,991,220
$815,897,91$ \} logether, $16,933,143 \mathrm{fr}$. more than in 127,602,402 1831.
$65,719,722$ fr. or $90,586 \mathrm{fr}$. mote than in 1851 .
$156,735,242 \mathrm{fr}$. or $5,400,000 \mathrm{fr}$. lees than in 185 f .
13,407,033 fr.

The total receipts of customs duties in France were:- In 1816, $-153,958,908$ francs ; iu 1817, 184,117,730 francs ; and in 1848, the ycar of the revolution, only $80,418,458$ francs.

The amount of indirect taxes (which supplics a certnin test of the condition of the people) iu 1848 was $070,000,000$ frauos; in 1849, 707,407,000 francs From the last year they increased to $346,000,000$ francs in 1853.

The imports and exports of France in 1851, 1852, and 1853 were as foliows:-

|  | 1851. | 1852. | 1853. |
| :---: | :---: | :---: | :---: |
| Imports | 1,157,100,000 | 1,438,200,000 | 1,630,600,000 fr. |
| Expurts | 1,629,700,000 | 1,081,500,000 | 1,966,500,000 fr. |
| Totals | 2,787,100,000 | 8,119,700,000 | $3,497,400,000 \mathrm{fr}$. |

The ships employed in the inport trade in 1853 numbered 20,759, measuring 2,750,699 tons: of these vesecls 2210 were k'rench, carryiug $1,065,683$ tons; and 11,569 foreign, carrying $1,685,011$ tons. The imports by sea were ralued at $1,028,400,000$ fruscs; by laud, at 602,200,000 francs.
The export trade in tho same year empioyed 15,841 ships, ineasuring 1,854,665 tous, and including 6625 French and 8856 foreign vossels, carryiug respectively 790,350 and $1,058,315$ tona,
The totals of, the imports and exports given above, when turnod into Juglish pouuds sterling, are $111,496,000 \mathrm{l}$., 124,785,000 , and 189,896,000l. respectively. This last sum show's an excess orer 1852 of $15,108,000$., aud over 1817 , the year before the revolutiou, of $35,480,000$ L.

The tonnage representing the arrivals aud departures of loadel vessels by sca engaged iu the foreigu trade anounted to $\$, 605,000$, or 303,000 tons unore than in 1852 , and 308,000 tons more than iu 1847. From this, aud the preceding pamgraph, it appeas that valac has incrensed more than tonnage, slowing a great iucrease in the commerce over tho land froutier of France, consequent ou the extension of railway communication.
Of the insports into France in 1S53, valued as abore (in Finglish mones), at $65,224,000 l$., to the amount of $44,120,000$ l were for lome consumption. Of the cxports, the value of which in poundssterliug was $74,672,000 l, 54,520,000 l$. represent French produce; the differvico, oxceoding $20,000,000 \mathrm{l}$., shows the importauce of the transit trade of Finnce.

The principal artieles of import and export during the fast thooe yeurs ars given iu the following table, with the values of each in pounds sterting:-

| Imports. - Breadstuff | $\begin{aligned} & 1831 . \\ & 80,000 \end{aligned}$ | $\begin{aligned} & 1852 . \\ & 200,000 \end{aligned}$ | $\begin{gathered} 1853 \\ 3,840,000 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Coal . | 1,480,000 | 1,520,000 | 1,680,000 |
| Iron | 200,000 | $2 \cdot 10,000$ | 410,000 |
| Cottor | 4,100,000 | 3,120,000 | 5,320,000 |
| liaw silk. | 3,680,000 | 3,360,000 | 5,200,0110 |
| Wool | 1,360,000 | 2,600,000 | 1,720,000 |
| Exports, -Rrendstuff . . . | 3,800,000 | 2,300,000 | 1,160,000 |
| Cotton manufactures | 6,600,000 | 6,000,000 | 6,500,000 |
| silk manufuctures. | 8,120,000 | 0,040,000 | 11,520,000 |
| Woolien manulactures | 3,280,000 | 8,120,000 | 5,8:10,000 |
| Linen manufactures | 1,080,000 | 1,200,000 | 1,360,000 |
| Winea | 8,200,000 | 3,400,000 | 3,030,000 |
| Gloves and bosicry | 1,480,000 | 1,480,000 | 1,800,000 |

The consolidated debt of France ou the 1st of Janunry, 1851, anomuted to a total of $5,345,037,300$ frumes. Besldes this, the float iug debt, according to a reprort of the finance minister, in February, 1853 , smounted to $600,000,000$ franes : this sum included tho deprosits in wavings bruks ( $100,000,000$ francs), dejomits of cemmuncs and pmblic eatablishmeuts, security money of the receivers geueral of the taxes, $88,000,000$ franca dequositod by the lurin- 1 ,yon railway compuuy, $122,000,000$ trensury billa and other items. The amount applied as a miuking fund suonuted at the same date to $37,960,300$ francs.

The consolidated debt has been increasod in consequence of the
war with Rnssia, hy the loan of $250,000,000$ francs, contracted in the spring of 1854.

Military Forces; Navy.-The effective of the French army in January 1853 amounted to 350,000 men and 80,000 horses; but these numbers have been recently increased considerahly in consequence of the war with Russia
Infantry. 100 regiments of 2000 men each; 10 hattalions of Chasseurs-a-pied of 800 men each; 3 regiments of Zonaves; 3 battalions of African light infantry; 12 training companies (fusiliers and pioneers) ; a foreign legion numbering 2600 men; 3 battalions of native African tirailleurs; and 6 veteran companies.

Cavalry- -12 regiments of reserve; 20 regiments of the line; and 26 regiments of light cavalry; hesides 3 regiments of Spahis and 4 companies of remonte.
Artillery. -14 regiments with 16 batteries, and 1 regiment of pontoon mon; 12 companies of workmen, and 1 company of armourers; 4 train squadrons; and 5 companies of veteran gnnners.
Engineers- 3 regiments of sappers and miners; 2 companies of workmen, and 1 company of veterans.
Gendarmerie- 25 legions spread over the departments of France, with ahout 5000 men for special purposes, make a total of 25,572 men.
Of general and superior officers there werc, marshals 6; geuerals of divisions; 80 ; in reserve, 69 ; generals of hrigade, 160 ; in reserve, 172 ;-colonels, 30 ; lieutenant-colonels, 30 ; chiefs of squadrons, 100 ; captains and lieutenants, 400 ; adjutants, \&c., 246.
At the end of 1852 the French fieet numbered 25 sail of the line ( 6 of 120 guns, 4 of 100 guns, 9 of 82 to 90 guns, and 6 of 80 guns), 37 frigntes ( 12 of 60 guns, 14 of 50 to 52 guns, and 11 of 40 to 48 guna), 30 corvettes, 44 brigs, 43 small armed vessels, and 32 transports -in all 211 sailing vessels.

The steam feet included 3 screws (one of 90 guns, a second of 80 guns, and a third of 120 guns), one ship of the line ( 90 guns, 960 horse-power), 20 frigates of 450 to 650 horse-power, 5 corvettes ( 320 to 450 horse-power), 22 corvettes ( 220 to 300 horse-power), and 57 small vessels-in all 108 steamers.
There were besides 49 sailing-vessels and 7 steamers huilding in the naval dockyards. Many of these have heen finished and launched in consequence of the IRussian war.

Tbe number of officers in the navy in 1852 was 1874 , inclnding 2 admirals, 12 vice-admirals, 20 rear-admirals, 110 captains of men-ofwar, 230 captains of frigates, 650 lieutenauts, 550 ensigns, and 300 aspirants. The seamen enrolled numbered 100,000 ; but only 27,000 were on active ecrvice. The marine infantry numbered $11,868 \mathrm{men}$ including 483 officers; the marine artillery, 2971 men; medical officers, \& c. 1233.
Population, Religion, Educational Establishments, de.-The principal atock from which the French nation derives lts origin is the Celtic. At the period of Julius Cossar's invasion the Celts occupied nearly all the midland, western, and sonthern parts of the country. The sonth-western corner of the conntry was occupied hy the Aquitanians, whose territory crtended from the Garonne to the Pyrences: and probahly some Ligurian trihes were intermingled with the Celts on the shore of the Mediterrancan. Some Greek settlemente, of which Massilia (Marseille) was the chief, existed along that coast. The northeastern parts of the country, from the Seine and Marne to the Channel and the Rhine, were occupied by the Belgr, a Celtic people, some of whom in Cæsar's time were mixed with Germans, without however having lost their national characteristics. The immediate vicinity of the Rhine was occupicd hy some tribes who affected a Germanic origin. The subjugation of the country by the Romans prodnced an intermixtare of Romans with the natives. The modern French language shows how extenaive and how permanent has been the influence of the Latin tongue.

At the hreaking up of the Roman empire, three of theinvading tribes posscssed themsclves of France: the Visigoths south and west of the Loire, the Burgundians in the south-east, extending from the SaOne aud Rhone to the Jura and the Alps, and the Frauks in the north and east. A hranch of the Celtic nation, migrating from the British Isles, settled in tbe extreme west, and have transmitted to the present age their peculiarity of language and the name of the islaud (Bretagne or Britain) from which they canie. Politically the ascendancy of the Franks extinguished the independence of their co-invaders; but the tribes which succumbed to their joke remained in the settlements they had acquired, and have inflnenced more or less the characteristics of tbeir descendants. But notwithstanding these admixtures, the Celto may atill be considered as the main stock of the French people.

As the predominance of the Celtic race may be inferred from that of their adopted language in the greater part of France, so the local predominance of other tribes is indicated hy that of their peculiar tongue. The Breton, an adulterated form of the language imported hy the British settlers, is still the language of the rural districts of Bretagne; the Basque is jet found at the foot of the Pyrenees, and may be considcred as the representative of the ancient dialect of the Aqnitanians. In Alsace the German language is predominant ; a circnmatanco which may be ascribed to that province having been more completely occnpied by those tribes who overthrew the Roman empiro, and who have preserved their own language; and also to the long incorporation of Alsace with Germany, and its com.
oroc, DIV, VOL. 15
paratively late annexation to the rest of France. The dialect of Lorraine, the adjacent province to Alsace, may be considered also an having strong affinity to that of Germany, from similar causes to those stated ahove.
The population of France at the commencement of the 18 th century was about $19,669,320$, exclusive of Corsica and part of Lorraine, which were not then united to France. In the year 1762 the population had increased to $21,769,163$, inclusive of Corsica and the whole of Lorraine. In 1784 it had further increased to $24,800,000$.
The population, according to the different census returns of the present century, has been stated to he as follows:-


The predominant religion of France is the Catholic; the Protestants, who reside chiefly in Alsace and in Languedoc, number about $1,500,000$, of whom two-thirds are Calvinists, and the remainder Lutherans, Methodists, \&c. The Jews uumber about 80,000 . Both Catholic and Protestant clergymen are paid hy the state. Those of the Catholic hierarchy who have the dignity of cardinal have s yearly income of about 1300 l . ; the archbishops have about 800 l .; and the bishops about 600l. Of the working clergy the incomes are from $20 l$. or $30 l$. to $40 l$. or $60 l$. a year. The total number of priests rather cxceeds that of the communes, which is 36,835 . Before the first French revolntion, the country abouuded with monastic establishmeuts. The abbeys and conveuts for men have been, with very few exceptions, abolished. The nunueries and abheys for women for the most part remain. The French nuns do not, except a few, lead a life of pure meditation, but are actively engaged in attendance upon the sick, or in the instruction of youth.
The Catholic clergy are chiefly educated in seminaries estahlished for the express purpose of clerical instruction. There is one establishment for the higber studies at Paris; and above 200 seminaries scattered throughout France. Strashourg is the chief place of instruction for the clergy of the Lutheran Church; Montauhan for those of the Calvinistic or Reformed Church.
Before the revolution France had 23 universities, of which that of Paris was the most important and enjoyed great privileges. Under Bonsparte a body was organised with the title of University, which has continned with some modifications to hold to the present time the chief direction of edneation. Of this hody, which is iucorporated, and which possesses large disposable funds arising partly from real property, partly from public grants, and partly from the payments of pupils, all public teachers are members. The highest officer of this body is the minister of public instruction, who has a seat in the cahinet; he fills up all appointments in this branch of the administration, and alt vacancies in the academies and colleges, upon the recommendation however of the local anthorities, by whom strict examinations are instituted. Twenty-six university-academies were established in different parts of France, and the whole territory was divided into as many circuits, one to each. The seats of these university-academies were-Aix, Amiens, Angers, Besançon, Bordeaux, Bourges, Caen, Cahors, Clermont, Dijon, Douai, Grenoble, Limoges, Lyon, Metz, Montjellier, Nancy, Nimes, Orléans, Paris, Pau, Poitiers, Rennes, Rouen, Strasbourg, and Toulouse. The number of these institutions has we believe been recently increased, and the bishops in their respective dioceses have obtained a share in the management and superintendence. Each academy consists of a rector, who inspectas all schools and places of public instruction within his circuit, aud communicates with the higher authorities at Paris. He is assisted by a council of ten members. These form the administrative portion of the academy. The plan of instruction, if the institution is complete in all its parts, comprehends the five faculties of theology, law, medicine, literature, and the sciences, together with a college or high school. The preparatory instruction to the academies is furnished in the colleges, which are established in almost all the cbief towns of arrondisscments. Besides these establishments there are several colleges and schools of high repute in Paris. The lay religious order of the Christian Brothers devotes itself exclusivcly to the education of boys, and a very large number of schools is couducted by its members. Almost all the orders of nuns are actively engaged in the edncation of girls.

Nearly every commune has one school of elcmentary instruction. Every commune, the popnlation of which exceeds 6000 , has a school for superior instruction (elcmeuts of geometry, and its application to the arts; elements of chemistry and natural history; elcments of history and geography, and more especially the history and geography of France). Every department has a normal school for the instruction of schoolmasters, either by itself or by uniting with some other department. These schools are supported partly by private fonndations, donations, and legacies; partly by tbe communal, departmental, or general government.
All the poor who are incapable of paying for tho instruction of their children have thom educated gratis at the elcmentary schools, and a certain number selected after an examination are cducated gratis at tho schools of superior instruction.

Commoricial and Manufacturing Industry.-The woollen mannfac
tures of Frouce are lmpertant in ralue and muperior in quality. They are not confined to two or three great centres of production, but aro spreal over the whole empire. The principal seats of the woollen manufacture are Metz, Moutiers, S゙nney, and Jtihlhmaen in the east Ihenurain, Elbocuf, Lonviene, Vire, Abbeville, and Sedun in the north in the south at Dijon, Vieune, Clermont, Iavelanet, Carcassonne, Lodere, Crstree, Medarienx, Moutanban, Limnges, de.; and in the centre at Tourn, Chatenuroux, Romorantin, and Chateaurenard: light woollen fabricu at Paria, Ielma, Aniems, and Ileauvals; hosiery at Paria, Troyes, Orléana, aud nt different places in Pienrlie, in tho north of Eranee; and In the sonth at Nimner, Lyon, and Msracille: carpets at Paris (La Savonnerie and Les Oobelina), Abbeville, Henurnis; and at Aubumeon and Fcltetio in central Franco: cashuere shatels are malo at Paris, Lron, Nimen, and St.-Quentin.

The cotton manufacturo is still more important, and since the introduction of atean-machinery it has incrensed and extended very rapidly. The uorth and east of France aro the chief nenta of this manufacture. Rouen may be considered the Manchester of Kranco; nnd Parin, Amiens, Troyes, St.-Quentin, and the towns of the department of tho Nond, also participnte largely in this manufneture. The cotton manufactures aro established nlso in Lyon. Tame, Nimes, Montpellier, and many other town in the south. I'rinted calicoes are male at Rouen and Dealuvais; and at Colner, Mihlhansen, And other places in the department of Ilaut-12hin, the printed cottons of which aro much approved.

Vrench silts surpass those of any other conntry for pure brillinncy of colour and the exquisite taste of the patterns. The silk mauufacture is carried on chiefly in the south. Lyou is its prineipal seat. The other chief seats of the silk manufecture are-Nimes, Aviguon, Annonar, and Toun Iibamels are niade at St-Eticnne and StoChamond, to wns to the zouth-went of lyon. A part of the raw silk required for these varions fabrics is grown in France. The whito mulberrytree, as beforostated, is noot extcusively cultivated for the rearing of silkworms.

Linens of the finer rort aro made in Flanders, nt StQuentin, Canbrai, Valenciennes, Donai, \&c. : the damak linens of St.Quentin rival those of Saxony aml Silesin. Coarser linens and sail-cloth aro made in Eretagne and varions other distrieta The linen manufacturo is also carried on in Dauphine. Lace is mnde at Caen, Alençon, and Bayeux, in Normandie; sleost Vilepcienuen, Domai, and several other places.

The working of unetals, especinlly iron, has inneh incriased uf late rears, owing to the introduction of stean-mnchinery and railroads The quality aul appenrance of the steel and wroughtiron goods have manch improved, yet the quality of the French iron is inferior. The principal iron-works aro in the departments of the ralley of the Loire, eapecinlly nbout Nevers, and the district of Forcz nbout St. Ftienne. The introduction of railwnys has origiuated many steam-engine factorien In the manufacture of jewellery, marquetry, bronze omnmental work, and furniture, the French are almost unrivalled.

In the manufacture of clock and watches France is eminent; for ehronometers and iustrumcists for scientific purposes it is not surpassed by any country. The iuventions of the French chemists and the improvement of chemical science hare done much in producing with economy and expedition the many chemical rgents employed in the various branches of manufncture, nud particnlarly dyeiug.

Among other branches of industrinl occupation nust be mentioned the manufactnre of bnttons; embroidery; hais (at Paris, Lyon, Bordeaux, and Marmeille); cutlery (at Langres, Thiers, Chintelleranlt, and St.-Etienne) ; glass manufactures of all kinds; gloves; dressed skius need in manufactories of rarious kinds to the ralne of above $12,000,000$. merling a year ; musical instruments ; cssential oils; houschold furnituro; wearing aplarel ; hardware, de.

The eommoner sort of Frenell carthenware improves in benuty of denigo. Fine porcelain is madoat Sèvres, Paris, and Limogen. The eutglare is nearly equal to that of lingland in beauty of workmanship, and it in perhaps superior in elogance of form.

Sugar from beetroot is a most important inanufnctnre in France It originated in the necessity of finding a substituto for coloninal sugar, which was irevented from entering France by the vigilaneo of the IOnglinh eruisers luring the lust war. In 1852 there wero 320 beetmothugar factories ( 25 more than in 1851 ) in operation; anl the quantity of siger tumal out of all these establishments amounted to $\div 5,200,158$ kilogrammes, or $1,483,561$ cwts.

The commercial tranactions of France, as we have beforo seen, are of most extendre chameter. Tho countries from which the importa chlefly come nre the United Statem of Ameriea, Sardinia, Belgium, tho Unlted Klagdom, Switzerland, Austria, Lritinh Indln, Gemnany, Spain, and lituria Tho importa from lingland consist of linens and linen Jarn; cotton goods and cotton yarn; wool, woollen yarn, and woollen gomls; limas and eopper goods; iron, ateel, nal hardwares; coaln, culm , and cluders ; tin, tin.plate, and tiu wares; mnehinery aud mill-work; lens, de.

The chief artieles of the eeneral impmrts are-raw silk, wool, hemp, Bax, cotton, lindwares, lron and atcel, leanl, eopper, tin, goll, silver, tolacco in leaf, sugar, coffice. Among the inincellaneoun imports areraw hiden, hallow, bones and horna, ollveoil, hard woods for cabinetwarc, eliecec, miphur, wax, dic.

The exports to the French colonien are not wo great an those to the

United Staten, to the British dominlons, and to some other of the Jinropead states.
The leading exports aro-wine, brandy, liqueart, salt, linen, hempen eloth, woollens, wilks, cottonn, beaiden lints, jewellery, nnd houschohl furniture. The values of the leading imports and exports have been given nbove.

Tho total number of ships into and out of all the ports of Franee, including thone engaged ln the forcign, the eansting trade, and the fiaheries, in 1852 was $210,7 \overline{7} 8$, inensuriug $11,734,325$ tous, asut carrying $1,241,254$ men.
The principal sea-ports of Franco on the Atlantic are-Bayoune, Bordcaus, Nastes, Rochefort, La-lBochelle, Lorient, Brest, Cherbourf, Havre, lioueu, Dieppe, Boulogne, Calais, Dunkerque; on tho Medi-terrmean-Marseille, Cette, and Toulon.
Tho cod and whale fisheries of lirance have been increasing for many years past.

Communicutions. - The means of interbal communication in France are, as in other ucighbouriug countries, roadn, canals, and railwaya The roads are divisible into those maintained by tho ceutral government, and designated lioyal, Nationnl, or Stato ronls, aml those which are kept upat the cost of the seversl departinents to w-bieh they belong, und designated Dopartmental roads. liesides these there are communal and bycoloads. The state or lifgh-ronds are divided into threo elasses. Those of the first cluss are from 43 to 65 feet wide, aud frequently planted on each side with chestnut or other large trees, forming long avenues. Aluout one-eighth of nll thess roads are pered like a street., bnt in the reign of Lonis Philippe the system of Macadam was nsunlly adopted in making reprirs. Those of the first class have a common point of departure, and the distances are mensured from the cathedral of Notre-IDame in Inris. There are eltogether 25 of these state roala with a total length of somewhat more than 22,700 miles. Diligences ran with passengers on the great roads before the iutroduction of railways. There aro no tolls. The total length of rondway atorded by the state and departmental ronds is 44,400 miles
The inland wuler communication is carried on by means of tho greet rivers and by the canals which havo beeu formed. The Sclickio or Eiscaut, the Scarpe, tho Sambre, and the Aa, with the caual of Deule, 11 miles long, and several other cauals, abundantly supply the department of Norl with the means of water commuication. The canal of the Somme and the camal of St.-Quentin connect the port of St-Valery, at the month of the Somme, with the biscaut and tho Oise. The navigation of tho Seiue commences at Troyes; thet of the Aube at Arcis-nur-Aube; that of the lonnc at Anxerre; thet of tho Marue at St.Dizier; that of tho Oise at Chauny; that of the Aisne, a feeder of the Oise, at Neufchatel, between Iethel and Soissons; and that of the Enre at Pacy. Several canals conneet tho navigation of this important river aystem with other parts of lirance. The canal of St-Quentin connects the Oise with the Somme and the Eiscaut; the canals of Ibriaro aud of the Loing connect the Seiue, just below the juuction of the Ionne, with the Loire at Briare; and the canal of Orléans, 15 miles long, branching from the canal of the Loing, opens another communiention with tho Loire lower down, at Orlénis, Tho camal of lourgogne eonnects tho marigation of the lonno, between Auxerre aud Joigny, with that of the Saone at St-Jean-de Lôsne, and being continned by another system of inland navigation ultimately communicates with the Ihine. The canal of the Uureq, near l'arix, is ES milea long. The canal of Nivermais, connecting tho Youne with the Loire, at some point above llriare, 109 miles loag, is in course of execution. Harre is the chief port for tho basin of the Seine
The weter communication of the western part of Franco consists chiefly of the navigation of the river Vilaine from lennes, of soure smaller rivers which are narigable only for a few miles, and of threu canala. The camal of the Ille and the lance comects the Rance, a small stream wich falls iuto the lhay of St.-Mnlo, nt St.-Malo, with the Vilaiue, at the junction of the Ille, one of its feeders, at llonnes, aud sares a tedious and dangerous unrigation round the whole peninsul.s of Bretagne. This eanal is 53 miles loug. Tho cnual of tho blarct readers tho river Blavet nnvigable up to lontiyy. Another canal, yet unfinished, but open in part for navigation, in designod to conneit Brest with Nanter, avoinling the unvigation of a daugerous const, aul Affording becme communication in crse of a war with lingland.
Tho navigatiou of the loire commenees at lioanue, in Forez; that of the Arroux below the little town of Toulon; that of the Allier above Vichy; that of the Cher at St.-Aignan; that of the Indre nt Loches; that of tho Vienne at Chatellerault; that of tho Sarthe at Le-Mans; that of the Mayemne at Laral ; and that of the Loir at Chatenn-ln-Loir. The camals connecting the Loiro with the Seine have heen noticed. The camal of tho Ceutre, or of the Charollnie, opens a communientiou between the Loire, near the junction of the Arronx, nud the Saine, at Chalon-sur-Snone. Its leugth is ebont 73 miles. A caral is in course of execntion, intended to shorteu the navigation of the lonire, by avoidiug the great bend which that rives makes betreen the junction of the Allicr and that of the Indre, called the caual of 13urri. Nautes is the port of the district wateral by tho Toire.
The navigation of the Garonne commesces at Cazeren, sereral miles nbovo Toulouse; that of the Aridge at Auterive; that of the Tarn at Gaillse; that of tho liaine nt N゙errac ; that of tho Lot at Entrayguen;
that of the Dordogne at Mayronne, ncar Souillac ; that of the Vezère, its tributary, at Montignac. The only navigable canal connected with this river system is the Great Canal of Languedoc, or Canal-du-Midi, the most important in Frnnce. It connccts the Garonne, near Toulouse, with the Mediterranean. It follows for some distance the valley of the Lers, a feeder of the Garonne, and passing through a depression between the Cévennes and the Pyrenees follows the valley of the Aude, and the line of the coast to the sea at the port of Cette. Its length is more than 150 miles, and its large dimensions, its immense reservoir, and its numerous sluices, bridges, and aqueducts, render it one of the most magnificent canals in the world. It was opened in the reign of Louis XIV., A.D. 1681.

The navigation of the Adour commences at St.-Sever; that of the Midouze, its tributary, at Mont-de-Marsan. The port of Bayonne is the chanucl for the exports and imports of the basin of the Adour.

The navigation of the Rhône is liable to iuterruption after it leaves the Lake of Geneva : it recommences a little above Seyssel, on the frontier towards Savoy, and remains open throughout the rest of the course of that river. The navigation of the Saône begins at Seveux, between Gray and Vesoul. The canal of the Centre, which unites the uarigation of the Saone with that of the Loire, and the canal of Bourgogne, which mites the Saône with the Yonne, have been noticed. The canal of Monsieur, or the Canal-du-Rhône-au-Rhin, unites the Saôue penr St.Jean-de-Losng with the Ille, a feeder of the Rhiue, just above Strasbourg. A canal was opened in October 1853 from the Jarne to the Rline, which unites the valleys of the Marne, the Meuse, the Moselle, the Meurthe, and the Rhine. There are many great warks in its course-tnnnels, cuttings, and aqueducts, with 180 locks. There are several other canals in France, all of which are noticed in the articles on the departments.

Steam-boats ply on the Seine, the Loire, the Charente, the Garonne, the Adour, the Rhône, the Saône, the Rhine, the Somme, and some of the other rivers of France.

The railway system of France converges upou Paris, whence trunklines and branclies, either finished or in course of construction, stretch out to all the more important points on the frontiers, and pass through most of the great manufacturing centres. Looking northward from the capital we see the Great Northern of France passing through Creil, Amiens, Arıas, Douai, and Lille, a little east of which it is linked to the Belgian railway system at Mouscron. From Creil a branch runs up to the important industrial town of St.Quentin, whence it is in course of construction to the Belgian frontier, near the coal-field of Charleroi. From Amicns an important branch runs northward through Abbeville to Bonlogne, on the English Channcl. From Douai a line runs to Valenciennes, and joins the Lelgian system hetween that town and Mons. Firom Lille the main line runs northwest to Calais, through Hazobroncke, whence a secondary branch runs nearly due north to Dnnkerque.

The second trunk-line rans uorth-west from Paris down the valley of the Seine to Rouen and Havie, with a brancli northward from Rouen to the port of Dieppe. A very important branch, now in course of construction, leaves this trunk-line at tho Rosny station, near Mantes, to pass through Caeu and Bayenx, and terminate at the naval larbour of Cherbourg. Other branches are being made to connect the towns of Lisiens, Evreux, and Bernay with the main line.
The western trunk-liue from Paris to 13rest is open through Versailles and Chartres to Le-Mana, whence through Rennes to Brest it is still unfinished. From Le-Mâns a line in course of construction runs northward through Alençon and Secz to the Caen line between Caen and Lisieux. Between Alençon and Seez this branch is joined by another unfinished line from the La-Lonpe station, on the ParisHiest railway.
Two short lines connect Paris with Versailles, another with St.-Germain, and another with Corbeil.
Sonth-west from Paris run the great completed lines to Bordeaux and Nantes. The main line runs through Orléans and Blois to Tours, whence the Nantcs line runs west down the valley of the Loire throngh Angers, and the Bordeaus southward through Poitiers and Angoulême. Bordeaux is joined by a short line with Tête.deBuch, a small port to westward, on the Bay of Areachon, and from the point in this line where it crosses the Leyre a railway is in course of construction to Bayoune. A line is projected from Bordeaux up the valley of the Garonne to Toulouse, thence into the valley of the Aude and along the coast to Cette. From Orléans a railway runs sonthward to Vierzon, whence two branches diverge, one south-west to Chiteauroux, the other south-east through Bourges, Nevers, and Moulins to Varennea.

The Paris-Aviguon liuc, now open to Lyon, runs first south-east from the capital through Montereau (whence a branch runs up the valley of the upper Seine to Troyes) to Dijon; from Dijon it runs nearly due sonth through Chalon, Mifcon, Lyou, Vienues, and Valence, to Avignon. From Avignon the line is completed to Marsoille, thronglı Arles, whenco a railroad runs westward to Nimes, Montpellier, and Cette. Lyon and St.-Ctienne are united by a railroad, one of the first corupleted in France ; from St. Etiennc a line runs northward up the Loire to Roanne, with a short branch to Montbrison. A ehort branch runs north-west from Nimes to the coal-field of Alais. A branch in course of construction projects east-
ward from the main line, between Vicune and Valence, to Grenoble aud from Dijon a line has beeu planned to Besançon and Mühlhausen. The Great Eastern trunk-line rnus from the capital through Meaus, Chatons-sur-Marne, and Nancy to Strasbourg, where it is connected hy a line along the left bank of the Rbine, through Colmar and Muhlhausen, with Bale in the north of Switzerland. A short branch conncets Mühlhausen with the manufacturiug town of Thann. Lastly, from Nancy a branch runs northward to Metz, and thence eastward to the frontier, where it joins, at Forbach, the Bavarian line, which reaches the Rhine opposite Mannheim.
The total length of the completed railways in France is now (June 16, 1854) 2684 miles.

Life Statistics.-In the interval of 34 years, from 1817 to 1850 , there were born in France $16,953,957$ boys, and $15,972,905$ girls. These numbers give the annual averages of malc and female births to be respectively 498,646 and 469,791 , which are nearly in the ratio of 17 to 16 .
This ratio is general throughout France, difference of climate between the north and south having no sensible effect upon it. It was not constant however throughout the interval. Iu the first eight years ( $1817-1824$ ) the ratio was $1 \cdot 0654$; in the last eight years (18431850) 1.0563 ; the mean on the whole interval is 1.0614 . In other words during the first period (1817-1824) for every 10,000 female there were 10,654 male births, and in the last period ( $1813-1850$ ) there were 10,563 boys born for every 10,000 girls; the average on the 34 years being 10,614 male against 10,000 female births.
In the same interval of 34 years the number of illegitimate children born throughout France was 1,202,208 boys and 1,155,690 girls, which numbers are nearly in the ratio of 25 to 24 , showing in this class of infouts a uearcr approach to equality in the number of the sexes at birth, than in tho case of legitimate children.
The ratio of the deaths of tho two sexes during the interval has also varied. In the first eight years $(1817-1824)$ it was $1 \cdot 0215$, or 10,215 males died for every 10,000 females; in the last eight years (1843 1850) it was $1 \cdot 0039$, and the means on tho whole period give tlie ratio 1.0143 , or on the average of the 34 years 70 males died for 69 females. FFor the whole interval the mean annual number of births was 968,437 ; of deaths, 812,227 ; of increase of popnlation, 156,210 ; and of the marriages, 258,333 . These numbers afford ready means for checking the census returns.
The population increased continuously throughont the interval (1817-1850). The man annnal increase 156,210 , as just stated, is extremely small, being only $1-211$ th part of the mean population of France for the whole interval, which was $32,972,000$. This increase is so small, that if it continue to bear the same ratio to the popnlation, it wonld take France no less thau 86 years to increase her population by one-half, and 147 years to donble its present amonnt.
The ratio of the population to the births increases continuously also thronghout the period. Iu the first eight years (1817-1821) it was $31 \cdot 8$; in the last cight years (1843-1850) 36.4 , and the mean on the 34 years is $34 \cdot 0$. These numbers multiplied into tho corresponding births give the population of France. But in the case of a popnlation that is stationary (as that of Fiauce may be alinost considercd to be), the population is equal to the aunual births multiplied by tho mean duration of life. The numbers $31 \cdot 8,34 \cdot 0$, and $36 \cdot 4$ therefore represent approximately the mcan duration of life in France for each period. Thas in 1817 the mean duration of life was 31.8 years; 17 years later it had iucreased to 34 years; and now it is 36.4 ycars Before the first revolntion the meau duration of life in Frunce wa. 3 according to Dnvillard's tables of mortality, $28 \frac{3}{4}$ years. Since that time then it appears that there is an increase in the mean dnration of life of rather above seven years; a result to be attiributed to the introduction of vaccination, to improved sanitary conditions, and to the more easy circnmstances which the people enjoy.

The French colonies, with the area and popnlation of each at the end of 1841, are as follows:-

|  | Area in sq. miles. | Population in 1841. |
| :---: | :---: | :---: |
| In Asia. - Pondichéry in the Carnatic, Karikal) in Tanjore, Mahé on the Malabar Coast, and the factories of Yamaon and Chandernagor in Bengal | 518 | 167,790 |
| In Afriea. -The establishments on the Senegal, the isles of st.-Louis and Goréc, the isle of Reunion (Bourbon), and Sainte-Maric-de-Madagascar | 1,043 | 131, 360 |
| Algério - . . . . | 105,800 | 216,538 |
| In America.-The islands of Martinique, Guadaloupe, St.-Martin, Maric-Galante, Desirade, and the group of the Saintes | 1,3£3 | 255,689 |
| Part of Guyana, with tho isle of Cayenne | 10,961 | 22,010 |
| The isles of St.-Pierre, and Miquelon off Newfoundland . | 1.48 | 1,338 |
| In Australasla.-The Marquises or Marquesas . | 508 | 20,200 |
| Total . . . . | 120,321 | 814,925 |

In Septomber $1 \$ 33$ France took formal pomonaion of Now Calodonia, asronp of islands that lies eat of Now South Wiales, in about $28^{\circ} \mathrm{S}$ lat., $165^{\circ} \mathrm{F}$. long.

Jfinory.-Callis, or te we have Pinglinhel it, (frul, was the genern! term by whieh this country was designatod by the Romaus Iittle was known of it till the time of Creanr, who found in it the three races of Aquitani, Celts, and Belgre, with an intermixture of some Cormana, Ligurians, and Greeks: of thew tho Belga occupied tho north and porthoast, the Cells the weatern, contral, and sonth, the Aquitani the south-western part. The Celty, who wero probably the oldent race, must have nettled in Chanl at an carly period, an the wants of an increaring population led them, in the roign of the older Tarquin of llone, about R.C. 600 , to send out two vast emigrating bodies, one into Italy, the northern part of which was subdued and peopled by thern, and the other eastward, into Cermany and Hungary. Tho part of Gaul with which the Groels formed the earliest acpuaintance wha the Merliterranean coast, on which they established colonien. Tho earlicst and most important of these colonien was Macraila, or Massilin (now Marseille), founded by the people of Ihocan (itself a Greek colony of Asia Minor), B.c. 600, and augmented by the exaigration of the main body of the Phocseans when they minght refuge, B.c. 516 , from the pressure of the l'ersinn monarchy. The power or influenee of Massilia extended over the neighbouring dietriets, and several colonies wero founded on the consts of Gaul, Italy, Spain, or Corsica, by its inhabitants, such as Agatha (Agdo), Antipolis (Antiben), Nicmea (Nice), de.

At the commencement of the socond Punic war Hannibal marched through Gaul in his ronte from Spain into Italy; and Seipio, the Roman consul, who had couveyed his army hy sen to Massilia to intercept him, sent a small body of cavalry up the banks of the lhodanus (Rhone) to recounoitre, and these had a smart skirmish with a body of Hannibal's Numidians. Haunihal however marehed onward into Italy, to which country Scipio also returned, sending his army forward under his brother Cnseus into Spain.

After the close of the Punic wars the IRomans gradually extended thoir power in Gaul. Fulvins Flaccin and his successor, Soxtius Calvinus, conquered the Salyes, Vocontii, and some other tribes. The const of the Mediterrancan was now secured by the fonndation of the Roman colony of Aquse Sextio (Aix), B.C. I22; and that portion of Transalpine Gaul whieh tho Romans had subdued was shortly after formed into a prectorian province (s.c. 118), of which Narbo Martius (Narbonne), colonised the following year (B.C. 11\%), became the capital. Masilin, nominally in allisnee with, but really in anbjection to 1 Rome, was within the province. In the migratory invanion of the Cimbri, Teutones, and Ambrones, the Roman province of Gnul was for several yearn the sent of war: the Ioman armios wero repentedly defented ; in one dreadful battle (B.c. 104) they are asid to have lost 80,000 men. The province was however rescued from the invaders by the great rictory obtained by Marius (B.c. 101) oper the Teutones and Ainbronem near Aix. The Cimbri had marched into Italy.

The conquests of Cwsar nearly reduced the whole country between the Rhenus (Rhine), the Alpa, the Mediterranean, the Pyreneen, and the Ocean, into subjection to Rome. The Aquitani and the tribon who iuhabited the Alpe were not subdued till aftorwards; the former were conquered by Mesala : some of the Alpine tribes retained their independence till the time of Nero.

Under Angustun Gaul was divided into four provinces-Narbonensis, Coltien, or Lugdunensid, from the colony of Lugdunum (Lyon), Belgica, and Aquitanis: the limita of the last extended beyond the limits of the country of the Aquitani, being angmented by the addition of the country between the Garumna (the Garonne) and the Ligerls (the loire). Shortly afterwands the province of Belgica was dismernbered by two provincen being formed out of the districts along the Thenus (Rhine), to which the names of provinces of Germanin Prima and Cormania Secunda, or of the First and Second Germany, were given: and at a subsequent period the uumber of provinces reached, by succenive dimmemberments of the larger provinces, its maximum, merenteen.

In the decline of the Roman power Gaul was ravaged by the Franke, the Bnrgundians, and the Lyginas (who had been all driven out by Probas, A.D. 277) ; again by the Franks and the Allemans, who wero repulned by the emperor Julian (A.D. 355 to 301 ) and Valentinian (A.D. 865 to 875 ), and by the piratical Saxons who ravaged tho consta. The Iloman power still sumcorl to kcep these barbarians from settling in Ganl; it could not howerer abato the constant Iressure on the frontior.

The Franks (namely, the frocmou) were a confoderacy of German nations, the Salians, the Brueteranm, the IRipuarians, the Cauci, the Cheruma, the Charaavi, the Catti, the Teneteri, and the Angrivarians. Those tribes prenerved their indepeudence while confederated, and asch had il king. Like the Saxon ehleftains who profemed all to derive their linonge from Woden, the Firnkinh prinees clamed a common ancestor, Meroreun (Meer Wig, Warrior of the Sea), from whom they bore the title Merovingians. The era of Meroveus in not ascertainable. In the fourth century the Franks wero settled on the Fight bank of the Mhine from the junction of the Mein, or Mayn, to the men, and in the latter part of that century and during a conaider. able part of the next appear to have been in alliance with the empire.

The Allemans dwelt on the same bank of the Rhine from the Mayu upwards.

Upon the downfall of the Roman empire Gaul beoame a prey to the barbarous nationa by which the empire was dimmemberod. Thero was no rovival of national independence as in Britain. Themationality of the Ganls had been lost, whon the extenaion of the right of Ronrn citizanship to all the native of the provinces by Caracalla, A.b. 212, merged the distinetion proriously maintained between the conquerors of the world and their suhjects; and tho national religion, Druidian, had aunk benenth the ediete of the emperoreand the growing iuflueuce of Christianity.

On the last day of the year 106 the Rhine was croesed by a bost of barbarians who never repassed that frontier strearn. They consisted of Vandals, Alans, Sueviann, Burgundians, and other nationa The Vandale, who firat reached tho bank, were defeated by tho liranks who defenderl, as the allios of the empire, the approach to the frontier; but on the arrival of the Alann, the Franks in their turu were overcome, and the pasage was effected. Armurica (the present Bretague), juto which the settioment of the British soldiors who had follower] Maximus the usurper into Gaul [Bretaose] had infused a military spirit, nsuraed and established itsindependenee ; but the rost of Uaul becaine a prey. The Sucvians, the Alaus, and the Vandala oroseen the I'grences into Spain: the liuggundians settled, with the sanction of the IRoman goverumeut, in the enst of Ganl, on both sides of the Jura, and on the west bank of the Rhine, from the Lake of Geueva to the confluence of the Rhine and the Moselle; and the Vinigcias, who had been long ravaging both the Lastern and Western empires, were induced, just before the sottlement of the Burgundiann (A.D. 412 to 414), to necopt the cession of that part of Gaul which lies to the south and west of the Loiro. Toulouse was their eapital. Poth Burgundians and Visigoths took the manne of Romaus, and professel subjection, which was however merely nominal, to the emperor of the West. Hostilities were before long renewed betweon tho troops of the empire and these new-bettled nations; hut their settlement opportunely supplied Gaul with the means of defence against a fresh invasion. In A.D. 451, Attila, king of the lluap, with an immense host of barbarians, passed the Ihine at or near the confluence of the Neekar, destroyed Divodurum, or Mediomatrici (Metz), and Atuatuca, or Tungri (Tongres), and besieged Cenabum, or Aureliani (Orléaus). Etius, the Roman general, supported by the Visigoths and the Burgundinns, and numbering in his ranks Franks, Saxons, Alans, and other barbarians, advanced against Attila and ohliged him to raise the siege and rotire towards the frontier. At Durocatalaunnm, or Catalauns (Chalons-sur-Marno), a battle was fought in which victory was doubtful, but which was attondod with a dreadful slaughter of his forces, and indnced Attila to evacunte Gaul.

During these events the Franks had attracted little notice; their subdivision into tribes weakened their power, and perhaps their filelity to the empire restrained them from pressiug it with their attacks. They retained their possessions on the right bank of the Rhine; but had obtained by concession or conquest some sottlements on the left bank or along the banks of the Eiscaut, or Sehelde, and the Meuse.

It was not until the reigh of Clovie, who commenced his career ns king of the Salians, one of the Frmakish tribes settled at Tournay, about A.D. 481, that the liranks assumed a commanding position. The empiro of the West had now fallen, aud Italy was under the government of the Ostrogoths; but a relic of the empire remained iu Gaul; and the territory iu which the patricians Aggidius and his son Syagrius upheld the name of llome was between the posscasions of the Visigoths and Burgundians and the settlerncuts of the Franks. This territory was among the early conquerts of Clovis (A.D. 486). 110 then defeated the people of Tongres and (A.D. 496) subdued a portion of the Allemans, who had made an inroad into (iaul : the conquered people recognised Clovis as their kiug; his opportune converaion to Christiauity advauced his popularity and his power in Gaul, as well as his profession of the faith in what was deomed an orthodox form, while all the other prineen who shared among them the onos extensive territories of the empire wero the supporters of Arinnisn or some other form of doetrine that was lookod upon in heretical.

The sway of Clovia extended from the banks of the Lower Rhine, the eradle of his power, to the Loire, the Rhone, and the Oeean, for Armorien had submitted to him. He now determined, on the protext of uprooting Arianism, to attack Alario I I., King of the Visigoths, whom he defouted and slew at Vougl6 in Noitou. The Burgundians hoping to shro in the spoils of the conquered natiou supported Clovis; but the Ostrogoths of Italy supported the Visigoths and prevented their entire suhjeotion. A large part of their territory, including Bordeaux and Toulonse, and extending perhaps to the foot of the l'yreuces, fell into the linuds of Clovin; but the Visigoths prowervel the coast of the Mediterrancan, together with Spain, which they had conquered: the Ostrogoths lind Provence, and their king Theodorlo held the wovereiguty of the Visigotha also as guardian of their king, his graudson Ajnalric. The assassiuation of the various Frankish klage by Clovis rondered lim uulioputed head of the tribes of his owu nation, and his sovereignty extended over Gaul, with the exception of the parks retained by the Oskrogothe, Visigoths, and

Burgundians. Cloris may be considered the real founder of the French monarchy: he died A.D. 511.

The death of Clovis brought on the dismemberment of a monarchy which had beeu established too short a time for consolidation. The four sons of Clovis had each his share of the regal inheritance, but though the sovereignty was divided, the nation was regarded as one, and all the kings claimed their thrones by virtue of descent from Clovis. The Franks now first invaded Italy, though without suceess: but their power was increased by the subjection of the Burgundians and the cession of Provence to them by the Ostrogoths: and ultimately the dismembered monarchy of Clovis was reunited, together with these accessions, under Clotaire, the youngest of his sons. Under the successors of Clotaire, France was again repeatedly divided and reunited: it is needless to describe changes which it is difficult to trace and to remember, and which left no other permanent effects than the weakness of the nation and the decline of the kingly power. The Mcrovingian kings, the descendants of Clovis, ceased with Childeric III., who was deposed A.D. 752 ; but the kingly power had already come into the hands of the hereditary dukes of Austrasia, Pepin l'Heristal, Charles Martel, and Pepin le Bref; while the governors of provinces had acquired all but absolute independence of the crown.
The accession of Pcpin le Bref to the crown, upou the deposition of Childeric III., reanimated the spirit and power of the Franks. Pepin waged war with the Saxous and with the Saracens, who had posmensed themselves of the const of the Mediterranean, which he Wreated from them ; and the subjugation of the duchy of Aquitaine reuniterl the empire of Clovis with new acquisitions in the hands of Pepin, who reignel A.D. 752-768; but the splendour of his achievements faded before the superior glory of his son Charlemagne, who extended his power over Italy, except the southern part, then held by the Greck emperors, and over the greater part of Germany. His reign (in conjunction with his brother Carloman, A.D. 768-771; alone, 771-814) was distinguished by the attentiou which he paid to the revival of letters. But the fabrie of empire which he had raised fell to pieces under the less vigorous sway of his son and successor (A.D. 814-840) Louis le Débounaire.

In the confused history of tho Carlovingian princes, successors of Charlemagne, it is difficult to trace the events which belong to Frauce, or to separate ita annals from those of Italy and Germany. Divisions and subdivisions of the Frankish empire took place; and the wars of rival princes, and the degencracy of the descendants of Charlemagno delivered up France a prey to the ravages of the Northmen, or Normans, who acquired possession as a ficf of the crown, by cession from Charles le Simple (A.D. 911), of the territory subsequently known as the Duchy of Normandie. Tho governors of provinces established an hereditary authority in their scveral governments: the cities, destitute of protection from the government, declined in wealth and population, and in many cases lost their municipal rights and privileges; the number of serfe, or villains, increased, and the mechanic arts were exercised by the slaves of the great lords. The power of Inigues le Grand, count of Paris, surpassed that of the later Carlovingian lings, and on the death of Louis V. the Carlovingian dynasty oxpired, and a new family was called to a sovereignty little more than nominal, in the person of Hugues Capet, son of Hugues le Grand, who was elected by his army and consccrated at Rcims, A.D. 987.

From the time of Hugues Capet the history of France is less involved: the crown descended with tolerable regularity to the son or other successor of each deceased king, and the divisions and reunions of the part of the kingdom ceased. The kingly power was indeed fcchlo; but it gradually acquired strength, and the royal domain (as distinguishod from the domains of the great feudal lords) was progrcssively cnlarged by the couquest, forfeiture, inheritance, or acquisition by nther mcans of the greater fiefs.

The following chronological table of the kings marks tho principal extensions or diminutions both of the regal domains and of the kingdom at large ; and those changes which form the characteristics of the periods in which they occurred :-
(987.) Hugues Capet, son of Hugues le Grand, count of Paris.

The dukes of Bourgogne and Normandie, the latter especially, were among the most powerful of the French lords : and of the rest the principal were-the Count of Champagne, the Count of Vermandois (part of whose inheritance passed to the counts of Blois, and elevated them to a degree of consideration which they had not previously posscaserl), the Count of Flanders, the Count of Anjou, the Count of Poitou and Duke of Aquitaine, the Count of Toulouse ; and, though at a somewhat later period, the Duke of Bretagne. The six psramount fendatories, who afterwards became exelusively peers of France, were -the dukes of Bourgogne, Normandie, and Aquitaine, the counts of Flanders, Champagne, and Toulouse. The vassals of II ugucs, as enunt of Paris and Orléans, made such approaches to independence, that at his death the authority of his successor extended little beyond the walls of Paris and Orléans.
(996.) Robert, son of Hugues Capet, born A.D. 970.
(1031.) Henri I., son of Robert, born A.D. 1005.
(1060.) Philippe I., son of Henri I., born A.D. 1053.

The power of the first four Capctian kinge was very small, and the kingdou, over which their nominal sovereignty extended was not co-extensive with modern Erance; Lorraine, Transjurane Bourgogne,
and Provence were subject to the imperial crown. Their reigns constitue the era of the rise of chivalry. The reign of Philippe I. was marked by the conquest of England by Willian of Normandie. The communes or municipalities of Frauce originated in leagues of the inhabitants of towns for defence against barouial oppression, formed in the reign of Philippe, though commonly ascribed to the reigu of his successor. Philippe was engaged repeatedly in hostilities with the Anglo-Norman kings, William I, and William II. The first crusade took place in Philippe's reign, and by exhausting the power of the nobles prepared for the cmerging of the regal authority from its depressed condition.
(1108.) Louis VI., le Gros, son of Philippe I., born A.D. 1078.

This reigu comprehends an important period in the history of the French, whether by the progress of the people in the communes, the rights of which had scarcely received at this epoch their first legal sanction ; or ly the progress, uot less marked, of the central authority in the power of the crown, which, instead of remaining unnoticed, as under Philippe I., between the Seine and the Oise, began really to make itself felt from the Neuse to the Pyrenees; or, lastly, by the development iu the samo interval of the feudal system. This system, profiting by the progress of intelligence aud the study of other systems of legislation, acquired a regularity and authority which no oue dared any longer to dispute with it.
(1137.) Louis VII., le Jeune, son of Louis le Gros, born A.D. 1120.

The king carried on the poliey of his father, of establishing his authority in his own domains. He married Eléonore of Guienne, from whom he was afterwards divorced. She subsequently married Henry Plantagenct, afterwards Henry II. of England ; this marriage made the power of Henry superior to that of Louis: he had Normandie, Anjou, Maine, Touraine, Poitou, Limousin, Angoumois, Saintonge, Berri, Marche, part of Auvergne, Guienne, and Gascogne; but his quarrels with Becket and with his sons prevented his availing himself of his superiority. Louis le Jewne was personally engaged in the second crusade, but he met with no success.
(1180.) Philippe II., Auguste, son of Louis VII., le Jeune: born A.D. 1165.

The predominance of the Anglo-Norman power united the other great vassals of Philippe more closely iu alliance with the crown; and the exhaustion of the Auglo-Normans from their civil dissensions, from the crusades, the heavy ransom of Richard I., Cour rle Lion, aud the weakness of John, enabled Philippe to raise the power of the crown above that of his puissant vassals. Philippe displayed considerable warlike activity: ho was engaged in the third crusade 1189-91, in conjunction with Iiehard Ceur de Lion, and in hostilities with Richard and John, and with the emperor Otho, whom lie defeated at Bouvines, near Lille, A.D. 1214. He united Normandie, Maine, Anjou, Touraine, and Berri, to the domain of the crown; increased the previously small domaiu of the crown in Auvergne, and other parts of the south of France; and consolidated the regal power by substituting constitutional forms for individual caprice. This reigu was marked by the blood-stained crusades against the Albigéois in the south of France, which weakened the power of the count of Toulouse who protected the Albigéois. Frauce, in its prescnt extent, was at this time divided between four sovereign princes-the king of Frauce; the emperor, who held the provinces of the east aud south-cast; the king of Englaud; and the king of Aragon, who had considerable territories uear the Pyrenees and the Mediterranean.
(1223.) Louis VIII, CCur de Lion, son of Philippe Auguste, born A.D. 1187.

Louis conquered Poitou, and engaged in the erusade against the Albigéois.
(1226.) Louis IX. (St. Louis), son of Louis VIII., born A.D. 1215.
(1270.) Philippe III., le Mavdi, sou of St. Louis, born A.D. 1245.
(1285.) Philippe IV., le Bel, son of Philippe, le Mardi, born A.d. 1268.
(1314.) Louis X., le IIutin, son of Philippe le Bel, born A.D. 1259.
(131C.) Jean I., a posthumous son of Louis le Mutin, lived only three or four days.
(1316.) Philippe V., le Long, sccond son of Philippe le Bel, born A.D. 1294.

The accession of Philippe established the Salic law: he was preferred to the daughter aud heiress of his elder brother, Louis le IIutin. (1322.) Charles IV., le Bel, third son of Philippe le Bel, born A.D. 1295.

The direct line of the Capetian kings ended with Charles IV.
The reign of St. Louis, one of the most equitable and virtuous of princes, and the reigns of his successors, some of them as remarkable for the opposite qualities, are marked by the consolidation of the power of the law as distinguished from that of arms. This beueficinl change was however accompanied under the successors of Louis with the most revolting acts of injustico under the forms of law. Many of the nobles were despoiled of their fiefs; the order of the Templars was extinguished in the blood of its members; the Jews and Lombards griveously oppressed; and trade ruined by the abasiug of the coinage. Persecution assumed a moro systematic form by tho establishment of the inquisition at Toulouse. In this period the greater part of Languedoc was added to the domains of the crowu, which were considerably augmented in other places.

Cullateral Brasieh of Valois.
(1323.) PhilippeV1., de Valois, born A.D. 1293, grandeon of Philippe le Mardi, by his third son Charlen of Valois.
(1330.) Jean 11., le llon, son of Philippe de Valoie, born A.D. 1310.
(1364.) Charlos V., le Sage, son of Jeas II. Io Bom, bom A.D. $133 \%^{\circ}$

The reigus of these three kinge sro marked hy the wars of the Englith in Franco under Edward 1I1. (who claimed the throne of Franee iu the right of hls mother), anel his son the Blaek Irince. The French were defeatel in the great battles of Sluys (naval) A.D. 1310, Crécy, A.D. 1346, and Poitiers 1850 . But the premature iufirmity of Edwanl III. and the cleath of his son, who had at one time received the cession of a large territory in the mouth-west of France, under the title of the prineipality of Aquitaine [llordeaux], cansel the downfall of the English nower, and tended ultiuntely to the extension of the domains of the French crown.
(13S0.) Charles VI., le Bien Aims, son of Charles le Suge, horm A.d. 1368.
(1422) Charles VII., le Viclorieme, son of Charles VI., born a.d. 1108.

The reigns of these two kings were marked hy another desperate struggle with the Englinh under Henry V. and his successor Henry VI, At one tlme the success of the Euglish was so decided that IIenry V. was recognised as heir to the throne of France, to succeed on the death of Charles V I. : hut the perweverance and spirit of the Fiench ultimately triumphed, and of all their splendid domains in Frauce the Kuglish monarehs retnined ouly. Calais. This was a period not ouly of foreign invasion, but of civil dissensions and of the most frightful masacres and assassinations. The dukes of Bourgognc, who deseended from a younger soll of Jean II., were acquiring a rast territory and great power.

Charles V11. Was the first to mubstitute $n$ standiug army for the military scrvice of the feudal vassals.
(1t01.) Louis Xl., the first entitled le Roi Tris Chréticr, son of Charles V11., born A.D. 1423.
Louis, a crafty aul intriguing prince, did for Frauce what Henry VII. did for England in hreaking down the feudal system, Upon the death of Charles le Téméraire, duko of Bourgogne, ho seized a portion of his inheritance. [Boungogive] The domain of the crown was now become very extensive, thouglı parts of Picarlie in the north, liretagne in the west, several parts of Gaseogne in the south, limousin, Perigorl, Auvergne, Bourbonnais, Orleanais, and screral dintricte of the centre were not included.
(1483.) Charles Villi., son of Louis Xl., born A.d. 1470.

In him ended the direct succession of the huuso of Valois.
Braxch of Valois Orleass.
(1403.) Lonis Xll., le Pire du Peuple, born 1462 , descended from a yourger son of Chinrles V., le Sage.

## Branch of Valois Asgouleme.

(1515.) François I., le Pedre des Lettree, desccuded from tho same stock, born 1494.
In the relgn of this prince tho arts, commeree, and litemture began to revive. The clomains of the crown were nugmented by severnl additions, as of Auvergne and Bourbonuais in the eentre, parts of Ilicandie in the north, aud parts of Gascogne in the south; and this last acquinition to the reign of Louis XlI.
(15t7.) Ileari II., non of Frageis I., born A.d. 1510.
In this roign the French reconquered Calais and its territory, the lat relio of the Euglish possessions in France. [Calals.]
(1550.) Francoin II., eldest son of Menrl II, born a.d.
(1550.) Francoin II., eldest son of 11 enrl II., born A.D. 1541.
(1560.) Clarles 1X., second eon of Henri II., bori A.D. 1550
(1560.) Charles 1X., second son of Henri II., boru A.D. 1550.
(1574.) Heuri 111., third son of Henri 11., boru A.D. 1551.

The reigus of the last two princes were distingnishod liy the religious wars of the Catholice, at the head of whom wero the dukes of Qulse, of tho family of Lorralne, and the Ifuguenots under the Prince of Conde and admiral Coligny, afterwards under Heuri of Navaste.

The dreadful masacre of St. Bartholemi wan perpetrated by the Catholica who formod the celolirated Coufederatlon of the League, at the head of whleh wero the Guines, The court, which had previously supported the Catholies, was driven hy the fear of this powerful and ambillous family to an alliance with the l'roteatants, and IIenri 111 . perialied by the hand of a Catholic asmanin A.D. 1589 . In him ended the direct succomion of the hranch of Valois Augoulomo.

Brascy of Valois bouruos.
(1559.) llenri IV., le Grand, born A.n. 1553, ilescended from lRohert, Count of Clermont, jounger mon of St. Louis, and brother of I'hilippo
Ill., le Ifardi. In the reign developed that the conri ing the remourcen of lirance were so far politice to which It territorial exteut, population, and social improve. incut entitled it. A fajrer pronpeet seemed to be openiug to the rulen of that country. The earlice king had to struggle with the apirit and the Institutions of feudalisus; and when, at the elose of the direet line of the Capetians, the predomluance of the law over
strength, the accesaion of the honse of Valois hrought on the struggle botweeu the kinge of France and lingland for the right and possossion of the crown. The excesses of the disbauded soldjery, the struggles of the contending factions (the Bourguiguons aud the Armagnaes), and the rising of the comunons of l'aris and of the peasantry or 'jacquerie,' as they were termed, wero added to the ravages of the encing; aud when, nfter more than a centary, tho contoat terminated in the almost entire expulaiou of the linglish, the kings of I'rance had to watch or strugglo with rivals of almost equal streugth iu the dukes of Bourgogne, and the other nobles whoso power, the reault of the feudal systen, still survived when the spirit of the system was gone The reviving strength of the crown and the kingdom under Charles V1I1., Louis XII., and Francis 1., wns repressed by the rising power of Spain and the ascendancy of the imperial hone of Austria, and exhaustod by the unsuccessful atternpts made to gain possession of ltaly. Then came the ascendancy of the house of Lorraine, and tho wars of religion which desolated France for thirty yenrs. At length however the cxhaustion of the lorraine party, or 'the League, aud the opportune converaion of IIenri 1V. to tho Catholic faith, restoral peace. The Freuch fronticr was now alvanced to the Pyrences, except on the side of loussillou, which alone remained to the Spaniards of their possessious in Lamguctloc, and the districta, such as the Nivernois and Auvergne, over which any of the nobility retained territorial sovereiguty, were of lithle isuportauce when com. pared with the royal domain, now angmented by Bearn, and the other portions of Heuri's patrimony. The generous dispositiou and popular manners of Heuri ncquired for him tho love of lis people; and tho wisdom of Sully, his chiof minister, prounoted the prosperity and husbauded the resources of the country. Ifeari grauted to the Protestauts the enjoyment of many iuportant rights aud privileges hy the edict of Nantes, A.D. 1598 , and was more desirous of improviug the condition of his people than of extending his frontior by fureign conquest.
(1610.) Louis XIll., le Juste, son of Henri IV., le Giand, horu A.D. 1601.

Curdinal Richclieu, the minister of this prince, hal in view to crush the nobility, to lumble the Protestants, aud to set hounis to the power of the house of Austria. His attempts to hinmble the Protestauts led to a renowal of the religious wars: the Duke of Rolnm and his hrother, the priuee of Soubise, were at the head of the lroteatant party, but their taleuts were exerted without suecess: the court triuuphed, and the Protestants lost the towns which they held as socuritics: the ediet of Nantes was not however revoked. To abase the house of Austrin, lichelieu supported the l'rotestants of Germany in the "Thirty Yeara" War ;' bit the Freuch armies obtained littlo distiuction until the next reigu.
(1643.) Louis XIV., le Grand, son of Louis XII1., le Jusie, Lorn A. D. 1633.

Tho minority of this prince was markol by the disscusions and hostilities of the courtiers and powerful nobles, mad by the splendid sucecss of the Frouch armics under the lyince of Conde and the Marshal Turenne. The dissensions of the nobles so weakened their power, that the kiug was enahled to assume and cxereise a molo despotic power than any of his predecessors had possossed. The nobility were reduced to be mers dependents on the court; their titles descended to all their children, and a uoble heln the pursuit of commerce, and even of the liberal professions to be a degradation: the country was hurdened by the expenses of $n$ court which harl such a body of retainers, and the privileges and exemptions from taxation, which the nohility possessed, and other relics of the foudal system were among the principal causes of the Freuch revolation.
The military succeases of the Freuch in this reign were splendid, except near the close, when the arms of the coalition aguiust France, under the guidance of Marlborough and Eiugene, grincd the rasceudnut, The boundaries of Finnce were however cousitlornbly calarged in this and the preceding reigus by the addition of Roussillon, Artois, part of Flauders, lirauche-Cointe, and Alsace: the - Loundaries of France thun became nearly what they are at preseut. The mannfactures and trade of Frasee nande considerable progress in this roigu under the able management of Colbert.
(1715.) Louis XV. i le Dien Aime, great-graudson of Louis XIV., le Grand, boru A.D. 1710.
Tlie loug reign of Louis XV. presents little worthy of uotice, except the changes in the puhlic miad which were preparing the overthrow of all the ancient institutions of the kingdom; nud the iucreaning dilapidatiou of the finurecs. These circuinstances, with the gross sensuality of the king, aud the disputes of the Jesuits with the Jansenists, and of the clergy aud the crown with the parliaments or courts of justice, all teuded more or less to prepare the way for great clanges.

In thls reign Corsica was added to France; the last rolics of the fendal sovereignties, the duchies of Lorraino and Bar, and the principality of Dombes, wero alded to the domain of the crown. Lo Comtat d'Avignon and Lo Comtat Veuaisniu remained in the Lauds of the lope.
(1\%た1.) Louis XVI., graudson of Louis XV., le Bien Aime, horu A.D. 1754.

In this reign the calastrophe of the revolution, which had been
long preparing, took place. The population of France, previously to the first revolution, was politically divided into three classes called états, or states-the clergy, the nobility, and tbe commons, or tiers état. The clergy, as a political body, was divided into the old French clergy and the foreign elergy, that is, those belonging to the provinces whicb bad been united with France since the reign of Menry II.

The nobility of France was exceedingly numerous; for not only all the children of a noble belonged to the class of tbeir fatber, but that class was continnally increased by the creation of new nobles. There were about 4000 offices or places in the conntry which conferred nobility. The nobility possessed great privileges. The third class of the inhabitants of France comprehended tbe whole population except the nobility and clergy, and constituted somewhat more than $\frac{2 g}{3}$ parts of the whole. The tiers ćtat were crushed by the burden of a most injudicious taxation, the weight of wbich pressed almost exclusively on them. This was rendered still more intolerable by tho oppression of the landowners or tbeir agents, and by the grossest abuses of the manorial jurisdiction. A consequence of all this was the greatest misery among the people, and a deeply-rooted hatred towards the ligher classcs, which manifested itself in the terrible acts of revenge and bloodshed which accompanied the revolution in France.

The revenue was derived from direct and indirect taxation. The rirect taration consisted :-1st, of a land-tax called trille, levied only on the lands belonging to the non-privileged classes; 2nd, the capitation, to which all classes were equally subject; 3rd, a property tax, principally assessed on lands. These taxes were in many respects very oppressive; but the indirect taxes were still more so. Tbey consisted-1st, of cnstoms, levied not only on goods imported from abroad, but on those which passed from one part of France to another; 2nd, of the monopoly of snuff and tobacco; and 3rd, the monopoly of salt. This last was a complete fiscal tyranny, both in its nature and in its mode of collection. The oppression caused by this system of taxation was increased by tbe custom of farming out the indirect taxes, and hy injudicious corn-laws. (Young's 'Travels in France,' ' Police of Corn,' i. 488, 2nd ed.)

The revenue extorted from the people by tbis system of taxation was squandered in the most profligate manner. Louis XIV. and Lonis XV. shamelessly paid tbeir courtezans and favourites out of the public purse. Louis XVI., on wbom the storms of popular indignation subsequently fcll, was far less obnoxious to these charges than bis predecessors.
The royal power, wbicb bad long been limited by the fendal institutions, gradually became absolute. The meeting of tho statesgoneral (états généraux) had been discontinned since 1614. Some provinces, as Artois, Bretagne, Languedoc, \&c., had their provincial states, which were composed of the deputies of the nobility, clergy, and tiera état; all tbeir powers however consisted in making the assessment of the taxes in order to raise the quota of the general revenue which was required of these provinces. The municipal institutious, whicb were fourisbing in France during the middle ages, were almost entirely abolisbed, and tbe offices of towns were generally either hereditary or acquired by purcbase. Tbe offices of state and the courts of justice were all so regulated as to give tbe people as little voice as possible in the national affairs. This caused a fierce tbougb repressed indignation, which sbowed itself witb terrible effect before the close of the 18 th century.

After the decapitation of Louis XVI. in 1793 tbe state was declared a republic; after a time Napoleon Bonaparte became its first consul, and tbon its emperor, until 1815, when, on his final overthrow, the Bourbon dynasty was again restored. In 1830 another revolution took place, by which Charles X. was dethroned and Louis Philipps nubstituted. In 1848 another revolution displaced him, and again a republic was declared, of which, after a time, Louis Napoleon, the nephew of the first Napoleon, was elected president. In Deccinber 1852 Louis Napoleon was elected by universal suffrage emperor, with nearly despotic powers, and has assumed tbe title of the Fmperor Napolcon III., recognising the title of the son of Napoleon I. by the daurbter of the emperor of Austria, in whose favour he had abdicated in 1815, tbough the act was never acknowledged cither by the nation or the allied sovereigns.
Firench langunge.-Tho dominion established in Gaul by the Romans uitimately destroyed the ancient languages of the country. It is also probable that the Greek colony of Massilia (Marseille), established about six centuries before our era, lasd diffused in some parts of southern France the use of the Greek tongue. No monuments of the poetry of the Celts of Gaul bave reached us, although we may conjecture that they had one similar to that of the Scottisb Gaels. Under the Roman dominion Latiu became the general language of the country, wbich produced many writers in that tongue, such as Ausonius, Sidonins Appollinaris, Salvianus, Sulpicius Severus, \&c.
The invasion and settlement of Germanic nations in Gaul produced a corruption of tho Latin by the admixture of foreign idioms. The inflence of the Visigoths, who established themselves in the southern provinces, was however, iu respect to langunge, not considerable, and their northern idiom was soon absorbed by the Latin. Yct this Latin, whicb, except among the educated, had probably never been spoken with greac purity by the population of Gaul, became still more corrupted by the admixture of a foreign race, and degenerated into a
peculiar idiom called the Romanzo, or Lingua Romana Rustica. This idiom becaune not only the language of France, but' of many other parts of southern Europe, whero the barbarians of the north established their dominiou on the ruins of the Roman empire.

The conquest of Gaul by the Franks hastened the corruption of the Latin tongue. The conquerors however seem for a long time to have preserved their native tongue; as tbe council of Tours, held in 813, recommends the bishops to translate their bomilies into two languages, the Roman and the Theotisk, or German. The samo injuuction was repented at the council of Arles in 851.
It appears that the separation of the Germau from the Roman language dates from the division of Charlemague's empire among the sons of Louis le Débonuaire, when the German part of it became separated from France. The most ancient monument of the Prench Romanzo is the oath of Louis the Germanic, son of Louis le Débonnaire, on the occasion of a treaty with his brother Charles the Bald of France, concluded at Strasbourg in 847. The German monarch took the oath in Roman, and the French in Teutonic.

Tho Romanzo of France had a variety of idioms, according to tbe proviuces whero the influence of the invadcrs was more or less exercised. These were bowever but sbades, and the language of France in general could be divided into two principal idions, separated by the Loire. These were called respectively from their affirmatives, the southern the Langue d'Oc, and the northeru the Langue d'Oil, or d'Oui.

The Langue d'Oc, or as it was frequently called the Occitanian language, is better known under the appellation of the Provençal, as the rulers of Proveuce united at the beginning of the 12 th century under their dominion the greatest part of southern France.
The Provenceal language was rather formed by a modification of Latin words, than by the admixture of foreign words and idioms, Many favourable circumstances united with the beautiful climate of those countries to promote the early development of a poetical literiature in the Occitanian language. The poetry of Provence was not like the northern, of a melancholy and meditative character, but rather of a sprightly and animated tonc; aud it bore the appropriate name of the merry science (Gaja Ciencia). It was cultivated by the Troubadours, who spread its glory over all Europe. The dialect of northern France, or the Langue d'Oni, althougb formed like the Langue d'Oc from the Latin, had a greater admixture of the Germanic element. It underwent atill greater changes, owing to tbe establishment of the Normaus in France at the beginning of the 10 tb century. The first authors who wrote in the Langue d'Oui wero descendants of Normans, who introduced the romance of chivalry. This kind of composition was originally a versified chronicle, which though often founded on facts was disfigured by the most extravagant fictions. Robert Wace, an Englishman educated in Normandie, who lived at the court of Eleanor of Aquitain, motber of Jichard Cocur de Lion, wrote the 'Brut d'Angleterre' about the middle of the 12 th century. He is also the author of the cclebrated 'Roman do Rou.' Many other romances were written about that time. Their principal theme was ${ }^{\prime}$ King Arthur, aud bis Knights of the Round Table. The exploits of Charlemagne aud the crusades are also tho subject of many romances; and some of them are founded on ancient history, for instance the romance of 'Troy,' written about 1170, by Benoit St. More ; and the celebrated romance of 'Alexander,' writteu in the beginning of the 13 th century, which is the origin of tho Alexandrine verses of twelve syllables which are still used by modern French writers. ('Corps d'Extraits de Rumans de la Chevalerie,' par Tressan ; Dunlop, 'History of Fiction;' and Huet, 'De l'Origire des Romans.')

The poets who wrotc in the Langue d'Oui were called 'Trouveres,' and like their namesakes of Provence, the Troubadours, reckoned among their body several persons of thigh rank, such as Thiebaut, count of Champagne, and king of Navarre (1201-53), wbo imitated with great success the poets of Provence. His poems were published in 1742 at Paris, under the title 'Poesies du Roi de Navarre,' 2nd edit. 182\%. Another kind of poetry which belongs to this period is the Fabliaux, or tales, which are partly of oriental origin, and were imported by the crusaders into Enrope. They are generally writteu in verse, and sometimes altcrnatcly in verse and prose. They often contain a great deal of wit aud fuu, but are also frequently disigured by a coarse licentiousness. The poets of other countries have borrowed from them, and Boccaccio has largely drawn from this source. A fiue edition of the Fabliaux, priuted from the manuscripts of the Royal Library, was published by Barbazan in 1756,3 vols. ; and a new cdition of the same collection in 4 vols., by Meon, 1808, and in 2 vols. 1823. The most eutertaining of these Fabliaux were translated into modern Frencb by Legrand d'Aussy, and published in 1779 under the title of 'Fabliaux, ou Coutes du 12me et 13 me Siècles'; a new edition by Raynouard appeared in 1829.
The persecution of the Albigenses, whose teuets were embraced by many of the Troubadours, plunged the south of France during tho 13 th century iuto an abyss of misery, aud destroyed the literature of Provenco. Tho Troubadours, who had spread the glory of the langunge of Provence disappeared for ever, and the languago itself sunk to the coudition of a patois, or country dialect. Divided into many dialects, it is still spoken over all the south of France, and is the idiom of a part of eastern Spain, cxtending from Figueras to

Murcia, as well an of the populations of Sendisia and the Baloario Islamels ; but in all those countries the educated classos have sdoptod the Cantilian, Italian, and French. This deoline of the Occitanian language on the one hand, and on the other the cetabiabment of the neat of government for France and of a uairemity at Paria, renderod the northern dialect, or the langue d'Oui, the predominant langnage of all France.
FlRANCIE ISLE OF. [MACRTTICA]
FRANCHE-COMTF, a province of France, and one of the thirty-two military goveraments into which in anterevolutionary times that kingdom whe divided. Ite grentent length from north-north-east, year the head of the Snone, to south -outh-weet, near the towu of St.Julien, on the Sarrand, a foeder of the Ain, is sbove 180 miles; and its greatest breadth at right angles to tho above, from near the river Fingeane to the banks of the Doubs, more than 90 milea. It wan bounded N. by Lorralne, E. hy Switzerland, from which it was separated by the Jurn, S . by Bresso, W. by Bourgogne, and N.W. by Champagne. It now forms the departmeute of Jura, Doubs, aud Ilante Sionc.
The prorince is wholly in the basin of the Rhone: it is watered by the Saorno and the Ain, feeder of the Rhônc, the Doubs, and Oignon, feeders of the Saône, and seversl other streams belonging to the same syatem. The lower and moro level parts of the province are fruitful in grin; the upper parts produce pastursge for a vast number of enttle. The capital was Besaucou; nmongst the other towne wero-DAle, Saint-Claude, Pontarlier, Gray, and Vesoul.

Franche-Comte was in the time of Cremar inlabited by the Sequani, a Celtie people, one of the most powerful in Gaul. Their contentions with the Adui led them to eall in the Germans under King Ariovistus, by whose aid they effectually humbled their opponents; but the warlike strangers whom they had introduced became the tyrauts of that part of Gaul, and especially of the unhappy Sequani. Crear drove out the Germans (b.c. 45); but it was for the inatires only a change of masters, and the Sequani, with the rest of Gaui, pasnod under the yoko of 1zome. Under the Roman dominion Franebe-Comte, with Switzerland and part of Buurgogne, constituted the province of Marima Sequanorum.
Upon the downfall of the Roman empire Franche Comte was comprehended in the kingdom of the Burgundians, upon the overthrow of whieh it became subject to the Franks. In the division of the territories of Clovis mong his mons aud descendants it formed part of the kinglom of Austrain, and afterwards of Lotharingia, or Lorraine. In the reign of Charies the Simple, king of France, to whom after several ohanges this district, then called 1laute-Bourgogne (Upper Burgundy), or the principality of Outre-Sab́ne (beyond the Saone), had fallon, Beanncon with the surrounding districts was formed into a county, called the county of Bourgogne, in favour of Hugues, the first eount (A.D. 915). Sorne writerm however represent Franche-Comte to have been part of the kingdom of Bourgogne Transjurane, and pontpone the erection of the county of Bourgogno till A.D. 995.

1Renaud III. (A.D. 1127-1148), count of Bourgogne, whose dominions lam acquired great extent, reaching from Bale to the lsère, refused homage on rarions pleas to Lothaire, emperor of Germany, to whose prodecenors the count. of Bourgogne had paid homage, and maintained his rofumal during his life. It is snppozed that the county lerived from this circumstance its designation of La Franehe-Comte. The marriage of Renaud'a daugliter to the emperor Frederick Barbarosa brought the county in to the hands of that prince, who made Besancon a free imperial eity. He reaigued the county to his son Otho, by the marriage of whose descendants the county passed into various hands, as of the king of France and the dukes of Bourgogne of the first and second race of the bleod royal of France. On the death of Charles le 11ardi, last duke of Bourgogne of the second raco, the county pasmed, with a consideralle portion of his inheritanee, to the Archduko Maximilian, from him to his grandson Charlen V., and mo to the Sparimh lianeh of the Austrian family. In 1668 Louis XIV. of France conquered Franele-Cornte from the Spaninrds, but rentored It by the pence of Aix-le-Chapelle in the same year. Ile again conquered It in 1674 , and it was coded by Spain to Franoe at the peace of Nimeguen in $16 \% 8$.

FllaNClSCO, IR1O. [BRazil]
FRANCOIS, CAPF [HISPAzioLa.]
FliANCONIA [Bavahta.]
FRANEKF!R [FGarmand.]
FRANKI:NBERG, in the Lailiviek of Chemnitz, in the kingdom of Sixany, in an agreanble town situated on tho \%schopau, and in a picturoaque ralley: it is well built and regularly iald out, and contains 6273 inhabitanta. Noxt to Chounaite it las tho largeat factorice in Saxony for printing cotton, and oroploys upwards of 600 hands in this brasch alone: it elno manufactures cottors, linens, and leather, and has extonive bleaehing-rrounds in the Flcinity. Tho copper. minem sear it prorluce but small quantitio of the motal.
FlUANKFNSTKIN: [SLLEUA.]
FRANKFORT. [KErTOCXT.]
FRASKFURT on the Ma[n, a mall republle in the western part of central Gerinany, so named from its capital Frankfurt-am. Main, which forms the nubject of the next article. Tho town is mupposed to date its origin from the times of the Merorivgian princem. Charlo-
magne huitit a palace in the town, in which fe beld a council of the church in the year 704. Lowis the lious sursounded it with walls and ditchen $\ln \$ 33$. In consequence of the treaty of Verdun, by which Alx-la-Chapello fell to the Bhare of Lotharius, Firnakfurt beoamo the capital of the enupire of the liastorn Franks, aud hither Lewis the German transferred the fairm held hy tho Austrmiann, A palace, callod the Rooner (lioman palace), whe alwo built here by ite sorereigns, who held their courts of oeremony under its roof from time to time, though it was not their fixed abode. Iu the records of the middle sgem Frank. furt is mentioned as one of the principai citles in the German empire, and the emporor Williaus plodged himself, in 1254, that it should nover be mortgaged or alienatod-a pledgo which made it an imme. dinte dependence of the empire itsolf. A golleu bull coufirued tho privilege whleh l'rankfurt had long cujoyod, of beiug the place of all inperial elections. In the carly part of the 13 th coutury the liocuer, which had becomo the property of one of the hurgoses about fifty gears before, was purchased and couverted into a town-hall by the magistraton, who about this time avniled themelves of the prodigality of the German omperors to huy their monopolies and donsains in and near the town. The emperor Ikiehard conferred adilitional Inumuitios on it in 1257 ; in 1272 Clarles IV. sold the bailiffahip of the empire to the magistracy; and in 1329 Lewis the Bavarian empowered them to redeew all the propertics, tolis, de., in Frankfurt or its vicinity which he or his predecessors might have pawued to others. The grant Easter fair, in addition to the Michaelmas fair, which had beeu held siuce the days of Lewis the Germau, was iustituted iu 1830. In 1890 the town acquired the lauds on the left bauk of the Main, ou which Saelsceuhausou now stands, by which acquisition it completed its present extent of territory. In 1555 Charlos V. endowed it with the right to the free navigation of the Main. The treaty of Westphatia reeognised ali its inmuuities, and it was taken under the speclal protection of the empire by the imperial rescripts of 1652 aud 1688. The noblemen who settled in the town and connected themselven with the wealthier elass of inhahitants, gralually formed elubs, or exelusire companies, and these societies ultimately engrossed nearly the whole governmeut; but tho Congress of Vieuna in 1815 put an end to the aluse. The emperor Charles VIl. resided here from 1742 to 1744, and tho German diets were at that period transferred to Frankfurt from latisbon. It whs the place of assembly for the states of the electorate of the Upper Rhine; and dating from A.D. 753, 21 German diets were held here. Under the settlement of the empire in 1803 all the ecelesiastical property within the boundaries was made over to the town, ou condition of its paying eertain annuities to tho amount of 84,000 guldeus, about 80000 sterling. The arch-chancellor of the empire, who had a large property in the town, became a member of the Coufederation of the IRhine established by Napoleon iu 1806, accented the title of 'Irince-Primate,' and was placed at the head of the goverument; Napoleon reserving to himself tho right of nomiuatiug his successors. This was a short-lived dignity; for Napoleon, fudiug it convenient to separato lay from ecclesiastical jurisdictions, put au ond to the prince-primacy in Fehruary 1810, added the principalities of Fulda and Hanau, with wome small exceptious, to the town and territory of Fraukfurt, erected the whole into the 'Grand Duclyy of Frankfurt, and appoiuted Priuce Fugene, viceroy of Italy, its sovereign. This gmaul duchy contained an area of about 1990 square miles. It fell to piecon with the downfall of its founder, and a resolution of the congress of Vieuna on the 9th of Juuc, 1815, re-entablished the city of lraukfurt and its former territory as a free state.

The mmall extent of territory ( 33 square mites) which Frankfurt possesses hegond its walls, iie immediately round them on both sides of the Main; it is quite levol, aud its soil, a deep sand copered with a layer of larn, has been at every point brought into a high state of productiveness. 1 t is watered hy the Main, and produces corn, though not in quantity suflicient for the cousunption; potatoen, vegetables, fruit, and wiuc: many horned cattlo aud sheep aro also bred. The inhabitants of the eight villages on the extramural dominions aro partially omployed in manufacturing and unechauical pursuits within the walls of the eity itself; but the most fuerative occupation they follow is that of carriers through many states of Germany. The population of the whole territory of the republic in 1811 amounted to 47,372 ; in 1819 it was 77,950 ; namely, 02,500 in tho eity and 10,650 in the eight villages, aud 4800 foderal troops. The Jews, who uunber abont 6000 , are admitted to earol themselves in the elnas of lurgesset. The majority of the iuhabitanta are 1.utherans; the numbers of 1kefornod Luthernne being about 3000 , Roman Catholics 8000. There are 14 Lutheran places of worship (of which 7 are iu the town), 2 Reformed Lutheran, 3 Roman Catholio, and 2 Jewinis.

The constitution, promulgnted on the 15 th of May, 1816, vests the sovereign power In the burgesses. This power is delegated to three superior authorities: the senate, the permanent committee of burgesses, and the legislative body. The senato is composed of 20 unembers, with the two burgomastors as its presldenta, who are olected anuually; the head hurgomnster draws up ail reports to the senate and has the control of the military department, while the junior controis all affairs relating to the police, the corporation, and eriminal proceedings. The meuatorn discharge all the administrative functions
and compose the civic tribunal as well as a secondary court of appeal; the highest court of appeal heing the supreme trihunal at Liubeck. The permanent committee is composed of 61 memhers, and its principal office is to control the income and expenditure. The legislative body consists of 85 memhers, 20 of whom are senators, and as many are memhers of the permanent committee; the remaining 45 arc chosen from an electoral college of 65 hurgesses, elected by the three civic orders; the patrician, or men of letters, the merchants, and the tradesmen, mechanics, \&c. They are elected for the session only, which opens in Novemher and sits for six weeks; their sanction is requisite to all ncw laws as well as to the budget. The nine depnties who are returned by the rural dependencies of Frankfurt do not assist at the deliberations, excepting when matters connected with the interests of their constituents are brought forward. The senate and permanent committee are chosen, as vacancies occur, from among the other members of the legislative body. Foreign consuls reside at Frankfurt. Alterations were made in the constitution of the republic in 1848 and 1849 , during the revolutionary epidemic in Germany; but as all efforts mado during four years to make the new constitution work proved ineffectual, the German Diet, in August 1852, decreed a retnru to the former system.
The public income, accordiug to the budget of 1853 , is estimated at $1,655,200$ florins, and the expenditure at $1,686,140$ florins. The deht in the same year amounted to $6,680,000$ florins, exclusive of $6,768,700$ florins owing for the construction of railways.

Tho Latherans have a consistory and the Calvinists two presbyteries, which direct all their respective ecclesiastical affairs. The Roman Catholics are under the bishop of Iimhurg-on-the-Lahn.

Frankfurt is a memher of the Germanic Confederation, and in conjunctiou with the other free towns, Liibeck, Bremen, and Hamburg, occupies the sevcuteenth place in the limited Council of the Dict, but enjoys its independent vote in the full council. It furnishes a contingeut of 603 men to the army of the confederation, and pays a quota of 47 florins 35 kreutzers towards tho annual expenses of that body.

FRANKFURT-AM-MAIN (Frankfort-on-the-Main). This celebrated commercial city, the seat of the German Diet, stands on the right hank of the Main, across which there is a stone hridge, which unites it with the suhurb of Sachsenhausen. It is situated in $50^{\circ} 6^{\prime} 43^{\prime \prime}$ N. lat., $8^{\circ} 41^{\prime} 24^{\prime \prime}$ E. long., and had, in 1849 , a population of 62,500 . The valley and tho town are commanded on the north hy the gentle heights of the Rödenherg, and at some leagues distant hehind them by the range of the Taunus; and on the side of Sachsenhausen, in the south, by the Mühlberg, Sachsenhausenherg, and Lerchesherg, offsets of the Odenwald. The old walls and ramparts, with their stagnant ditches, were razed between the years 1806 and 1812, and the site converted into spacious park-like grounds; the glacis too is now covered with vineyards and gardens, which are externally bounded hy a hroad road; and heyond this road the adjacent ground is emhellished with a profusion of villas, pavilious, and private gardens.

The principal puhlic entrances are nine large gates, which were formerly flanked hy cumbrous quadrangular to wers: most of these have in modern times heen replaced hy handsome huildings, modelled from the ancient temples of Athens, Romo, \&c. Of the nine entrances Frankfurt has seven and Sachsenhansen two. In front of the northeastern entrance is the monument ereeted hy Frederick William II. king of Prussia, to the memory of the Prince of Hesse-Philipsthal and his gallant followers, who fell at the successful storming of the town on the 2ud of Decemher, 1792: it consists of a quadrangular block of German marhlc, surmounted with appropriate trophies, bearing a commemorative inscription, and resting on an artificial rock. The Bockenheim gate, which is the western entrance, is built on the model of the temple of Apteral Victory at Athens, and the Upper-Main gate is nn imitation of the porch of the Campus Militum at Pompeii. The adjacent buildings are neat structures appropriated as guard-houses and for the use of the custom-house officers. The Eschenheim gate, the north-western entrance, is the only specimen extant of the ancicut gates; it is a lofty massive tower, erowned hy five turrets, and is a fine specimen of the German architecture of the 14th century.

Frankfurt, inclusive of Sachsenhausen, contains nearly 4000 houses; between 400 and 500 of them heing in the latter suhurh. They form 6 large and 14 minor squares or open spaces, and above 220 streets and lanes. The places of worship include 7 Lutheran, 2 Calvinist, and 3 Roman Catholic churches, and one synagogue.

The city is divided into 14 quarters, numbered from A to 0 , 12 within the walls and 2 in the Sachscnhausen suhurh. The Belle Vue and other streets huilt along the Boulevards, which form a handsome screen to the more ancient part of Frankfurt, havo been erected sinco the fortifications were demolished. The largest square, called the Rossmarkt, is surrounded by fine huildiugs, and connected with tho square of tho theatre hy a spacious avenue of lime-trees and acacias. There are fountains in tho centre of the Ross-Markt, as well as in the squares of the Liehfrauen and Roemerherg. The right hank of the Main, from the upper to the lower gate, which is nearly the whoie leugth of the eity, is edged by a spacious quay, and behind this lies an uninterrupted line of buildings. During the fairs a aEOD. DIV, VOL 11 .
portion of the quay, on which rows of booths are erected, presents a sceue of the most animated description.

The most remarkahle huildings in the town are the 'Roemer,' or Guildhall, an irregular structure, with lofty roofs in the old Frankish style. Under its roof are the Wahlzimmer, or Hall of Election, a spacious and handsomely-furnished apartmeut, in which the electors and their representatives were wont to assemhle and partly conduct the business of electing the emperors of Germany. It is now usod for the meeting of the senate. Next to it is the Kaisersaal, or Imperial Hall, where the emperor upon his election held his public dinner, at which he was waited upon by the counts and the high officers of the empire. There are niches in this hall which contaiu portraits of the emperors of Germany from Comrad to Leopold II.; hut there was not one left unoccupied for receiving the portrait of Francis II., the last of those sovereigas. A sort of ante-hall with a painted cupola, and furnished with specimens of the pictorial talent of the Frankfurters, opens into the Electiou Hall. Here is also the Depository of the Archives, surrounded hy walls six feet in thickuess. It contains, among other valuable records, the celebrated 'Golden Bull' promulgated by Charles IV. in 1356, which is written ou 45 sheets of parchment. The Roemer is situated on the western side of the Roemerherg, an irregular open space or square, which has also much of historical interest attached to it. This is the spot where the people collected to welcome the newly-elected emperor, bearing his crown and sceptre in solemn proccssion, after he had been anointed in the cathedral.
Not far from the Roemer is the new Hall of Justice with its various courts and offices; and south of it, on one side of the Fahr-gate on the quay of the Main, stands the Saal Hof, on the site of a palace huilt by Lewis the Pious, Charlemagne's son, in which Charles the Bald was born and Lewis the German long resided, hut of which scarcely any part is extant, save the Chapel of St. Elizaheth, a vaulted chamber with columns of red-sandstone, and walls six feet iu thickness. The present building, which is private property, was'raiscd in 1717. The Braunfcls belongs to one of the old equestrian cluhs; the court yard is used for the Exchange, and the spacious saloons on the first floor are occupied, in the fair times, hy dealers in all kinds of luxuries, \&c., and are the favourite lounge for visitors. The Palace of the Prince of Tour und Taxis, in the north-western part of Frankfurt, is a spacious structure in the French style of 1730 , richly adorned with paintings, sculptures, and ancient hangings: it contains 150 apartments, including two octagonal halls; and here the Diet of the Germanic Confederation holds its sittings. The ancient House of the Teutouic Knights in Sachsenhausen, is a sombre massive building in a low situation, hut well laid out in its internal arrangements. It is at present the property of the cmperor of Austria.
The two large huildings in Frankfurt, which were once public arsenals, were stripped of their contents hy the French, and are now appropriated to the police as a prison, and for other purposes. The guard-house, which is chiefly used as a prison, is an unsightly structure of the early part of the 16 th century, which disfigures the Parado. An old Carmelite convent, now the quarters of the garrison of the town, has cloisters covered with faded fresco paintings executed in the heginning of the 16 th century; the Stone House, near the Roemerberg, is a fine.remnant of the middle ages, and the Fursteneck, near the bridge, may be instanced as one of the oldest buildiugs in Frankfurt. Besides these, the theatre, public library, academy of arts and sciences, the new hospital of the Holy Ghost, a Jews' hospital, and an orphan asylum, are deserviug of attention.

The church of St. Bartholomew, formerly the cathedral, is huilt in the gothic style and in the shape of a Roman cross, and though hegun in the time of the Carlovingian princes, was not fiuished until the middle of the 14 th ceutury. Its colossal tower, 160 feet in height, is one of the latest models of the Gothic. The colossal statue of St. Bartholomew in this church is reckoned a masterpiece of sculpture. On the right of the grand choir is the chapel, in which the electors accepter the German emperor elect as their sovereign after he had heen erowned and anointed at the high altar. The tower was begun in 1415 and finished in 1509. At a short distance north of the town is the puhlic cemetery, laid out like a pleasure ground of slirubs; and adjoining it an equally well-arranged burial place for the Jewish community: Therc are four hospitals, one of which is for lunatics and epileptic persons; an orphau asylum, a house of refuge for sick poor, and several other henevolent institutious. Among the scholastic estahlishments are a gymnasium of six classes, couducted hy a director, six professors, aud uiue masters; a normal school of 13 classes, 7 for boys aud 6 for girls, and a variety of other seminaries. The public library contains ahout 60,000 volumes, among which are a complete collection of works relating to Germau history, aud mauy rare manuscripts, carly editions, and engravings.

The scientific institutions of Frankfurt comprisc a Medical Institute, founded in 1763 hy the liberality of Dr. Scukenherg, which is conposed of a medical library, au auatomical theatre and lecture-rooms, and botauical garden. I'he Senkenherg Snciety of Naturalists was united to this estahlishment in 1817, and in the adjoining huildinga possesses an extensive muscum, to which Ruppell, the explorer of north-eastern Africa aud tho parts adjacent, who travelled partly at the socicty's cxpense, has contributed several valuahlo collections in

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nstural hintory. Fraukfurt aleo posseaves a philosophical society, a mociety of the useful arts, whlch has a mechanica nchool; a society of induatry; Stadel's Instituto of the fine arts, which ponsesses a cholee collection of paintinge, \&c, hequeathed by the founder, who lef an endowment for lectures nad instruction In such branohes of knowledge us are connceted with the fine arts; a school of design, a society for the fine arta, the Rethmann musoum of autiques; a society for encournging the atudy of the Cernan lauguage, \&c. Dr. Senkenberg alao endowod the town hospital. The librarien of the cathodral and the Dominicans aro elso rich in rare manuscripts and old editions. Thero are 22 booksellers' establishmenta, 14 priuting-houses, and S type-foundries in Frankfurt.
With the excention of Sachsenhansen, whose inhabitants are prineipally agricnlturista, gardeners, and day-labourers, the citizens of Frankfurt derive their subsistence from commerce, money operations, and manufactures. It is a place of considerable transit for German and foreign proluce. The chief articl-s of trade are wines, English, Freneh, and Italian goodn, Bavarian timber, Gcrman wools, colonial prodnce, and German manufactures. Thero is acarcely auy article of colonial or European produce which may not be found at the Frankfurt fairs. The sale of books too is very important. The fairs, hcld at Faster, and in August or September, are no longer what they wero in the 16th century, when they were frequented at times by as many as 40,000 strangers; but they still present an animating and attractive zcene. The chief mauufactures are carpets, table covers, tobacco, cards, cottons, silks, woollen stuffe, jewellery, printers' hack, \&c.

Frankfurt was made a free city A.D. 1154 . It derives great wealth from transactions in banking, commission, and the puhlic funds. The aggregato capital of its bankers is snid to be about 20 millionssterling, and the nnnual transections in bills of exchange are estinated at about 12 millions sterling. The city is counected by railwnys with all parts of Germany; हtenm packets ply regularly on the Main. The Conetitnent Assembly, elected in 1848 to frame a constitution for Germany, held its rittings in Frankfurt, and chose the Archduke Johann of Austria as Licutenant-General of the Empire. The arehuke was solemnly installed in office July 11, 1848. In April following the asscmbly elected the king of Pruseia as hereditary cmperur of Gertwany, an honour which the king declined, as well as a constitution whieln they land framed for his own kinglom. Austria also protested nocinst all the decisions of the assembly; its representatives with drew, those of Prussia were soon after recalled, and the assembly on the 30th of May, 1849, agreed to tranafer its sittings to Stuttgardit

FRANKFURT (an-der-Oder), capital of the circle of Frankfurt in the Pruasian province of Brandenburg, in pleasantly situated on the left bank of the Oder, in $52^{\circ} 22^{\prime} \mathrm{N}$. lat., $14^{\circ} 46^{\prime} \mathrm{E}$. long., at an elevation of 116 feet above the level of the sea, and at a distance of 50 miles by railway E. by S. from Berlin. It ia regularly built, and encircled by walls with towere, and a diteh. Outside the walls, which aro piereed by five gates, are three suburbe, one of which, the Damm, situated on the opposite bank of the Oder, is joined to the town by a wooden bridge. The population numbers about 26,000 . Frankfurt has six Protestant charchen, a Roman Catholic chureh, and a synagogue. The Upper ehurch has some fiue windows of painted glass. The university, fonnded here in 1506, was transferred to Breslau in 1810. Frankfurt porsesees a gymnanium with a library, a grammar school, a school of mldwifery, an orphan asylum, two hospitale, a house of correction, and a free sehool for 300 soldiers' ehildren, founded in memory of Leopold, duke of Brunswiek, who lost his life here in April 1785, while endeavouring to save a man fron drowning. A monument is erected to him at the eastern end of the bridge scross the Oder. In front of the Guben gate is a triangular pyramid in memory of Kleist, the poet, Tho fell in the battle of Kunerudorf in 1759, when Frederick the Grent wai defeated by the Austriann. The manufactures of the town consint of woollen and silk fabrics, mustand, brandy, tobacco, sugar, glores, stockinga, linen, leather, \&c.; its trade is cxteusive, and nuch facilitated by its position on a navigable river, by canals, and railwaya Three ammal fair, instituted in 1253, are held in February, July, and Nosember, and are well frequented, particularly hy Polish dealers. At theo falre, woallen, cotton, linen, and silk mamfactures, feathers, Wonl, hardware, iron, porcelain, glase, \&c., are annong the priucipal articlez sold. Tha lubabitants are engaged also iu the navigation of the Oder, on whlch above 2000 veasels and craft suuually pase Frankfurt.

FTLANKLIX. [Jisocra.]
F゙KANZENBRUSN: [EGER]
FHASCA"Tl, won of the Campagna, 8 miles E.S.E. from Rome, ls situated on the north-weat mope of the Turculan Mount On the snnusit of the monotaiu, which is 2000 fect abore the sea, and about two millen abore Frachati, are the ruins of ancient Tnsculum, a town of Iatium, bulit long beforo Rome, and often mentloned in Ioman hintory. After the subjection of Intium to I'ome it was goverued as a municipium. Soveral distinguished lhoman familiee, auch an the SIanilia and the Porcia, came from Tusculum. It wan a rtrong place both from lup ponition and tho solidity of is polygoual walle, whleh enaliled it to revint the attack of Han. albal Tusculann coatinued to exiat after the fall of the emplro, and was goversiad by conath tlll the end of the 12 th century. It was thie
who hero received the ambamalors of Heary II. to assert the kiug' innocence of the nuriler of the Arohhishop of Canterbury. In 1109 the Tusculans fought and dofeatod the Romans, hut in 1191 the Roinans took Tuaculum and dentroyed it. Remains of the walls of houses and of the citadel aro still oxtant, as well as a small theatro and a curious crypt with a Flud of arched roof of prinitive constructlon. The hill of Tusculnin ls volcanic, and is separated from the central mans of the Alban Mount by the Alban vallcy, through which runs the Via latlna.

After the destruction of Tusculum the inhabitants built themelres huts on the lower slope of the hill towardn Rome, and corcred them with 'frasche,' boughs of troes, fronn which the moderu town has taken its name. It has some good buildiuga, 5000 inhahitants, and is a bishop's see. Many of the older housen date from the 13th or 14th century: the church of San Hocco, formerly the eathedral of San Sebastinn, and still called Duono Vecchio, dates froun 1309. The principal noolern building, the cathedral of San Petro, was completed in 1700 . It contains a monument to Cardinal York, who was bishop, of Frascati, and another erected by the cardinal in memory of his brother, Prince Charles Edward, the young Pretender, who diel in Frascati, January 31, 1788. The air is wholesome, the place heing ahove the region of the malaria, and the country amund is planted with fine trees. But its villas form the great attraction of Frmscati, it being a place of resort of the Roman nohility and cardinals in the summer and autnmn. One of the inost splendid of these residences is the Villa Aldobrandini, called also Belvedere, adorned with numerous fountains, and water-works, and paiutings. The villas Taverna and Moudragone, belonging to the Borghese family; the Villa Bracciano, with frescoes by Dominichino; the Villa Couti, with its fine groves; the Villa Falconieri, and others, are also worthy of attention. The sito of the.Tusculanum of Cicero is uot exactly known: some believe it to have been near Grotla Ferrata, on the road from Frascati to the Alban Lake; others place it near La Rufinclla, on the hill of old Tusculum. The Villa Rufinella formerly belonged to Lucien Bounparte. On the slopes of a hill within the grounds are plauted iu box the names of celehrated ancient and modern authors constituting the Parnassus of the prince just named. There aro remains of aucient buildings all about this neighbourhood. Near Frascati is the Camaldoli, one of the fincst and most beautifully. situated monasteries in 1taly. Grotta Ferrata is an abbey of Basilian monks, established in the 11 th century, who retain the Greck liturgy. The church is adorned with fine frescoes by Dominichino, and the convent has a library with many Greek manuscripts,
(Valéry, Foyages en Italie; Mattei, Menorie Sioriche dell' antico Tuscolo oggi Frascati; Gell, T'opography of Rome; Hlandbook for Central Italy.)
FRASERBURGH, Aberdeenshire, Scotlaud, a uarket-town aud senport in the parish of Fraserhurgh, is situated on the east coast of the county, in $57^{\circ} 44^{\prime} \mathrm{N}$. lat., $2^{\circ} 0^{\prime} \mathrm{W}$. longo, distaut 42 miles N . from Aberdeen. The town is built ou the west side of the Lay of Fraserburgh, which is bounded S.E. hy Cairnbulg Point and N.W. hy Kinnaird's Point, on which there in a lighthouse. The population of
the burgh in 1851 was 3093. The town took the nane of Fraserthe burgh in 1851 was 3093 . The town took the naine of Fraver-
burgh from Sir Alexander Fraser of Philorth, who iu 1613 ohtained for it a charter as a burgh of regality. The streets are generally wide and elean, and the houses suhstantial, aud mauy of them elegant. The town-house, the market-cross, and the tolbooth were erected by Sir Alexander Fraser. In addition to the parish church there are an Fipiscopal chapel, a Free church, and a chapel for 1ndepeudents. Fraserburgh is the head-quarters of an extensive fishing diatrict. Fishing begins iu July aud lasts till Septenber, and during its continuance the population of the town is augmented by mome 1200 persons. The harbour is good, but uot sufficiently capacious for the accommodation of the vessels which resort to it in the fishing season. The bay affords good anchorage. Hope and sail making ane carrial on. The exports include barley, oats, and potatocs, cattle, dried and pickled cod, and herringe. Freestone is quarried in the parish; the piers and some of the houses are built of it. There aro $\ln$ the parish the ruins of two ancient chapela, one of which belouged to the Cistercian abbey at Decr. At the west end of the town is an old quadrangular building of three stories, designed hy Sir Aleanader Fraser for a college; he had obtniucd a charter from the crown in 1592 for the institution aud endowncnt of a college and a university, but the plan was never carried into effect. There are in the town a savings bank and a parochial library. The fishing village of Broulsea adjoins Firscrburgh on the wesh.

## FRAUENIR1:UTH. [13encutesadex.]

FRAUSTADT. [Posex.]
FREDERICKSBURG. [VMGINAA.]
FREDERICKSHALL, FR1:DERICKSTADT, and FIREDE: RICKSVAFiRN. [Agoerhues.]

FREEBRIDGE LYNN, a hundred in the western division of the county of Norfolk, whieh' has been constituted a Poor-Lave Union. The hundrell of Frechridge Lynn in bounded N. hy the hundred of Smithdon, E. hy the huudreds of Gallow and Launditch, S. by the
hundreds of Claekclose and South Greuhoe, and W. by the hundred Lundreds of Claekclose and South Grceuhoe, and W. by the hundred
of Freebridge Marshlaud. Freebridge Lynn hundred comprises 34
parishes, with an area of 83,667 acres, and a population in 1851 of 14,536. Freebridge Lynn Poor-Law Union, which is not so exteusive as the hundred, contains 32 parishes, with an area of 64,738 acres, and a population in 1851 of 13,468 .

## FREETOWN: [Sierra Leone]

FREIBERG, a mining town in the kingdom of Sazony, is situated on the Muinzbach, a feeder of the Mnlde, on the northern slope of the Erzgebirge Mountains in $50^{\circ} 55^{\prime} \mathrm{N}$. lat., $13^{\circ} 21^{\prime} \mathrm{E}$. long., about 25 miles S.W. from Dresden, and has about 12,000 inhabitants. Freiberg is the centre of administration for the Saxon mines. It is surrounded by walls; the streets are regular, well-built, well-lighted, and psved ; and it has a suburb, besides the Freudenstein, or Freistein, an old castle, now used as a storehouse for mining produce. It contains six churches; to which a Roman Catholic church was added in 1831. The High church (once a cathedral) is a fine specimen of the architecture of the middle ages. It contains a handsome monument in uemory of Prince Maurice of Saxony, who fell in the battle of Sievershausen in 1553, and another to the memory of Werner, the great mineralogist, who died in 1817. Among the other buildings of note in the town are the town-hall, the high school, and the mining academy, which was opened in 1767 , and comprises class and Iecture-rooms, Werner's mineralogical collection, a museum of models of mining machines, and a library of 18,000 volumes. Werner and A. von Humboldt studied in the mining academy of Freiberg, which is conducted by seven professors and other teachers. Freiberg has also a number of benevolent institutions, among which are an hospital, an orphan asylum, a house of industry, and infirmaries.

The manufactures consist of gold and silver lace, brass wares, white lead, gunpowder, shot, iron and copper wares, linen, woollen goods, ribands, tape, leather, and laces. There are several large breweries in the town. In the vicinity are about 130 mines of silver, lead, copper, cobalt, \&c. A bout three miles from the town at Halsbrücke are the extensive amalgamation and smelting works for this rich mining district.

FIREIBURG(Freyburg), an archiepiscopal town in the southeru part of the grand-dnchy of Baden, is situated on the Treisam, 83 miles hy railway S. by W. from Carlsruhe, 40 miles N. by E. from Basle, stands at an elevation of about 940 feet above the levcl of the sea, in $47^{\circ} 59^{\prime}$ N. lat., $7^{\circ} 53^{\prime}$ E. long., and has a population of about 16,000 including the suburbs. The town is surrounded with walls pierced by three gatem, a fourth having been removed. It is in general open and well built, the 'Ksiserstrasse' in particular being broad, and lined with handsome houses. Among the public edifices are the former house of assembly for the states, which is at present the archbishop's palace; the grand duke's palace, on the site of the former citadel ; the government buildings ; the edifice containing the courts of justice and postoffice; the old and the new university buildings, the latter of which was once a collcge of Jesuits; the town-hall, museum, granary, theatre, and house of correction. Freihurg has several squares, in the centre of one of which, the fish-market, is a fountain surmounted by a statue of Duke Berthold 1II. of Zithringen, the founder of the town, represented in the habiliments of his time. Besides three Catholic churches and one Lutheran church, the religious establishments have several churches and chapels attached to them. The most attractive feature in the town is the cathedral or minster, probably the most beautiful and perfect specimen of gothic architecture in Germany. It is a work of the 12 th century, begun in 1122, and not completed until 160 jears afterwards; the tower, which is 336 feet high, is peculiarly remarkable for its lightness and elegance. Though not quite so lofty as St. Stephen's at Vienna, or the cathedral at Strasbourg, it is deemed to excel both in purity of style, symmetry of proportions, and holdness of construction. The structure is built of red-sandstone, in the form of a cross, and contains several windows of finely-painted glass, sarcophagi of the dukes of Zähringen, and paintings by Grien, Holbein, and other artists. Holhein's Assumption of the Virgin, which forms the altar-piece, is esteemed his masterpiece.

The university, which was founded under the name of "the Albertina' by the archduke Albert VI. of Austria, in the year 1454, enjoys endowments to the extent of upwards of 2500 . a yesr, and is possessed of a library of more than 100,000 volumes, as well as a museum, an anatomical theatre and cliuical estahlishment, a botauic garden, \&c. It is likewise supported by an annusl grant of about 3400l. from the States. The university of Freibarg is famous as a nchool of Catholic thoology. There are also a gymasium, a normal school, a civic school, many private seminaries, several Sunday and holiday schools, and a garden of industry, where the management of foresta, orchards, and gardens is taught. There are three hospitals and an orphan and foundling asylum.

The manufactures of Freiburg consist of leather, chicory, paper, sngar, starch, tobacco, soap, bells, musical instruments, \&c. There are also bleaching and dye-works.

Freiburg was founded by Berthold III. in 1118 ; it was formerly the capital of the Breisgat. The fortifications were levelled by the French in 1754. The archbishop of Freihurg is the head of the Catholic Church in the grand duchy of Badeu; his province includes the whole of the grand duchy, the principalities of Hohenzollern, and the bishoprics of Mainz (in Hesse-Darmstadt), Fulda (in

Hesse-Casscl), Rottenburg (in Würtemberg), aud Limburg (in Nassau). A statue was elected in memory of Berthold Schwartz, the inventor of gunpowder, in Augustin Platz, near St. Martin's church, in 1853.

FREISTADT. [ENs.]
FREJUS. [VAR.]
FREMANTLE. [Western Australia.]
FREYBURG, or FRIBURG, one of the Swiss cantons, is bounded N. and E. by the canton of Bern, S. by Vaud, and W. by Vaud and the Lake of Neuchatel, which divides it from the canton of Neuchâtel. Its length from north to south is 40 miles; its hreadth, which is very unequsl, is about 28 miles in the widest psrt. The area is 563 square miles; and the population in March 1850 was 99,805 , of whom 87,753 were Catholics, 12,133 Cslvivists, and the remainder foreigners and Heimathlosen. The south part of the canton is very mountainous, being covered by offsets from the great Alpine chain which divides the waters that fall into the Rhône and the Lake of Geneva from those which flow into the Aar. The canton of Freyburg belongs to the basin of the latter river, heing watered it its length from south to north by the Sarine or Saane, one of the principal affluents of the Aar; the general slope of the ground is towards the north and north-west, down to the plains which horder the Iakes of Morat and Neuchatel. There is but a very small frsction of the south-west part of the canton which slopes southwsrd towards the Lske of Geneva. The highest summits in the south part of tho canton, and on the left bauk of the Sarine, are the Moléson, 6700 feet, and the Dent de Jaman on the borders of Vaud, which is 4500 feet. On the right or east bank of the Sarine the Dent de Branleire is sbove 7700 feet, and Mount Berra is about 5300 feet, high. The Sarine or Saane rises near the head of the Sanetsch Pass, the most western pass in the Bernese Alps in the canton of Bern. It flows first northward through the valley of Gsteig; but on approaching the villsge of Saanen, or Gessenai, it runs a few miles westward in the canton of Vaud, and then resuming a northerly direction it traverses the csaton of Freyburg from south to north, passing Gruyère and Freyburg. A few miles below Laupen where it re-enters the canton of Bern, it joins the Aar on the left bank after a rapid course of ahout 70 miles. The Charmey, one of its feeders on the right bank, waters the valley of Bellegarde, which opens upon the Sarine a little helow Gruyère. Besides the Sarine and its affluents, which draiu more than two-thirds of the territory of Freyburg, the Broye, which has its source on the borders of Vaud, runs northward, crossing the western yart of the canton, enters the Lake of Morat, and issuing from it at the opposite end, empties itself into the Lske of Neuchâtel.

The climate is cold in winter and suhject to sudden changes of temperature in the spring and autumn. The principal productious of the soil are wheat, rye, barley, potatoes, and oats. There is good pasture, both natural and artificial. Vines sud other fruit-trees are grown in the lowlands near the lakes of Morat and Neuchâtel, where the climate is milder than in the south of the canton. Some tobacco is grown in the same district. Tinher from the forests and peat aro important products. In common years the canton prorluces sufficient corn for its own consumption. The principal wealth of the greater part of the country consists in its pastures and its cows, sheep, goats, pigs, and horses, which are very numerous in proportion to the area of the canton, and of excellent breed, especially the hurses and cattle, which are the best in all Switzerland. Dairy husbandry is much attended to and well uuderstood. The cheeses made in the canton of Freyburg are among the best in Switzerland. The cheese properly called Gruyère is made on the left bank of the Upper Sarine and in the valley of the Charmey, in the south part of the cantou. It is estimated that about 40,000 cwt. of cheese is made yearly; and of this quantity the valleys of the Upper Sarine and the Charmey furnish the greater part.

The manufactures are considerable-straw-plat, leather, kirschwasser, tohacco. There are some unimportant inon-works, glass-works, and paper-mills. Coals are dug in the valley of Bellegarde, and are suld at Freyburg. Turf is cut in the marshes of Morat and elsewhere.

The game consists of hares, chamois, red partridges, woodcocks, wild ducks, \&c. Wolves and bears have become very rare, aud stags and boars are extinct. The rivers and lakes ahound with trout, carp, pike, tench, and eels.

The natives of the canton are generally robust and well made. The Roman Catholic is the only religion of the canton, with the exception of the district of Morat, the inhabitants of which are Calvinists. Elementary education is given in above 200 schools. There is also a normal school for teachers. Before the late revolution in Switzerland the college of Freyburg, under tho direction of the Jesuits, was attended by about 500 students; a boarding-school was kept by the Jesuits, and a grammar-school also at Freyburg, founded in 1835. Since the expulsion of the Jesuits in 1847 we know not how these establishments are regulated. There is a Protestant college at Morat. Over the greater part of the canton a French patois is spoken; in the valley of the Upper Sarine the language spoken is a dialect of tho Romansche; in the northern and eastern districts, which approach Bern, a Swiss-German dialect is spoken, hut educated people everywhere speak French. The territory composing the canton of Frey-
burg, together with the neigbbouring paris of 1hern, was known iu the middle agea by the nane of CEdland, Uechtiand, and Detertum Ilelvetiorum, the conntry haring been utterly desolated hy the irruptlona of the Alemanni and other barbarous hordes, nfer the fall of the Western empire. It formed part of the kingdom of Burgundy till the 11th centnry; it whes aflerwards governed as a foof of the empire by the hereditary duken of Zahringen, who bnilt Freyburg ('roo town'), to whieh they gaves municipal governmont, independent of the neightouring petty feulal lorda Afor the extinction of the house of Zähringen, Freybure pamed under the house of Kyburg, and from this into that of liabeburg. IUulolph of llabeburg, the founder of the Austrian dynasty, confirmed and increased the munieipal libertien of Fregburg in 1274. At that time the territory of Freyburg extended only about cight miles, round the town, and is still known by the name of 'alte landecbaft,' 'tbe old country.' In 1450 the Dnke Albrecht of Austria, being unable to give assistance to Freyburg, wbieh was nssailed by lern and the other Swiss cantons, released tho citizeus from their onth of allegiance, and they remained for some years under the protection of the dukes of Savog. In the war with Buggundy it took the part of the Swiss against Charlea the Bold, in recompense for wbich it was received into the confederacy an a sovereign canton or state $\ln 1481$. By tbat and the subsequent wars Freyburg increased its territory to its present cxtent, at the expente of the neighbouring lonis and of the dules of Savoy.

The government, whicb was originally a popular municipality like that of Bern, all tbe burghers having the elective franchise, became for a long time aristocratic. In December 1830 a new coustitution wns framed, hy which all natives of tho canton aged 25 , and who are neither servants nor in the serrice of a foreigu state, have the right of roting in the primary masemblies, wbich choose the electors in the proportion of 1 for every 100 soula The electors assemble in the head town of their respectivo distriets, forming what is called the electoral colleges, whicb elect the members to the Great Council of the canton in the proportion of 1 for every 1000 souls. The members are appointed for nine years. The Great Couucil holds two ordinary eosaions every year, in May and November. It appoints the council of state, or executive, composed of 13 members for eight ycars, and the court of appeal of 18 judges for life. The svoyer is presideut of the council of state, and is elected by its members for two years. Under the new constitution for the general government of Switzer land Froyburg returns 5 members to the National Council. [Swuramrlasd.] The canton is divided for administrative purposes into 13 districta. The capital, Farsborg, is the subjeet of the next article. Among tho other towns tho more important are hero noticed.

Moras, on tbe rigbt bauk of the Lake of Morat, has about 1600 inhahitants, a college, a public library, au bospital, an orphan asylum, and a castle, built in the 13 th century. Near it is a pyramid raised in 1822, in cominemoration of the hattle against Charles of Burgundy, tho old chapel and ossuary baving been destroycd by tho Freuch in 1783.

The Lake of Moral, in German Murtenseo, is about 5 miles long and 2 miles brond, and about 160 foet in its greatest depth; it abounds with fish. It in suljeet to lloods, at which times it overflows the neighbouring plains, which are mostly towards the north, in the directlon of tbo Iake of Bienne. It is separated by a flat tract of Innd from the Lake of Neuchatel, into which it discharges its superfluous waters by the Broye.

Bulle, midway between Freyburg and Veray, heing about 18 miles from each, ia the chief depot for Gruyère chcese. It bas a population of 1500 .

Gruyere, a mall docayed place of under 400 iuhahitanta, is built a ohort dintance from Bulle, near the left bank of the Sarine, and on a blll, the top of whlch is crownod by one of the bent preserved feudal cantles in swltzerland.
The projected milway from Bern to Genevs skirts the south sboro of the lake, and passen the town of Morab.

FREYBURG, or FRIBUIRG, the capital of the canton of Freyburg, in Switzerland, is built on several steep hills ou botb banks of the Sarine, and it appearance is extremely bold and picturenque. Part of the housen rine along the alopo of the hills, others are supported by maslvo substructions and buttresses, and separatod from enob other by deep raviaes Naked rockn, gardens, trees, and green felds are seon intermized with churches, convents, and other buikings, the whole being aurrounded by ramparts finnked with towern, and piercod by fortiliod gatee. Four bridges join the two banks of the Sarine, ona of iron and two of wood; the fourth, an Iron auspension-bridge, orected in 1834, in ona of the ineat ln the worki; ite length is 905 feet, ita breadth 23 feet, and it stande 174 feet abovo the level of the river. Tho other remarkablo atructures in the town aro-the town house, built in the 16th century, in which the Great Council meetn; the collegiate church of SL Nichola, built in the 12th century, and famous for ite corious bea-relief of the Iant Judgment, and for its splendid organ, built by a native of the town; the college of St. Miehel, founded by the Jeruits, with an eatablinhmout for boanders, In which mevoral hundred young men are cducated; the monartery of the Uruulines, Who keep the femade olementary scboole; the lyceum, opened in 1805, annexed to which are colloctions of medals, mineralogy, zoology, \&c.;
the chancellery, in which the couneil of state nits, and the archives and other ofices of gorernment aro kept; the l'ranciscau convent, of Which Fiather Girarl, the realous promoter of popular education, was an inmate ; and several othor conventa nad churches, The population of the city is about 8500 . The mavufacturen are few: tbe principal aro woollens, pottery, hardware, leather, tobncco, and straw-hats ; there are alno sugar refiucrion, dye-liousen, two printing-preseas, and several booksollers shops in the Lown. Proyburg has soveral libraries and learned societies, pullic baths, a prison, a dioccann scbool, museum, an hospital, and a savinga bank A uarket is lield overy Saturday, besiden fire enttle fairs in the courne of the yenr. Freyburg lies 16 miles S.W. from Bern, and 32 suiles N.E. from Lausanne. It is the reaidence of the bishop of Lausauno.
FRIENDLY 1SLANDS aro situated in tho Pacific, between $18^{\circ}$ and $23^{\circ}$ S. lat, $173^{\circ}$ and $176^{\circ} \mathrm{W}$. long. They consist of three separato groupe, which contain several hundred islands: 15 of them rise to a considerahlo height, and 35 attain a moderate clevation. The remainder are low. The most southern group, the Tonga Islands, were discovered by Tasman in 1643. The largest of them, Tonga, is about 20 miles long and 12 milea wide in the broadest part. It rikes about 80 feet above tbe sen, and its summit is a level plain. Ou the uortheru side an excellent roadstead was discovered by Cook. The population of tbo island is about 8000 . The larger among the other islands of the group are Doscawen aud lieppel islanda. The ceutral group, called the Hapai islands, is composed of a cousiderable number of amall islands. The largest of tbem is Lefooga, about 8 or 0 milos long aud 4 miles wide. All these islande are low and very fertile. The most northern group is furmed hy the Vavaoo Islands, which are likewise small and low, excopt the leland of Vavaoo, which is about 36 miles in circumfereuce; its surface is uneven, and on the northern side it rises to a considerable elevation. On its southern side is Curtis Souud, or Puerto de Refugio, one of tho safest and most spacious barbours in the Pacific. The nost uorthern ishand belongiug to this group is Amargure, or Garduer Island, iu $17^{\circ} 57^{\prime} \mathrm{S}$. lat. The most southern of the Frieudly Islands is l'ylstart, in $22^{\circ} 26^{\prime}$ S. lat.

These islands are remarkable for the mildness of their climate, their fertility, and the grent variety of their vegetable productions For food there are cultivated and planted cocoa-nut trees, bread-fruit trees, bananas, yams, sugar-caue, and the sago palm; the Chinese paper mulberry-tree is cultivated for its inner bark, from which the clothing of the inlabitants is made. Hogs and dogs are uumerous, and both are used for food. Fish is plentiful, and also different kinds of birds, as fowls, pigeons, parrots, and the tropic bird, whose beautiful feathers Iere, as in other islands, are usod as an ornament.

Cook called these islands the Fricndly Islnnds, because be was received by tho iuhabitauts in a wery friendly mamaer; but it is now well known that they iutended to kill him and seize his vessels. They are a very industrious people, and pay groat attention to the cultivation of tho soil. They apply themselves also to fishing, and evince much ingenuity in the snauufacture of their clotbing and of their domestic utensils. The inhabitants belong to the Malayan race, and speak a language whicb does not materially differ from that spoken in many other islauds of the Pacific. The political constitutiou is a despotism, supported by an bereditary aristoerney. The number of the inhabitants is estimated to amount to 200,000. Many of the inhabitants bavo been brought to profens Christianity by English missionaries, who bold important depots on tho principal islands.
(Cook, Voyages; Mariner, Account of the Tonga Islands; Missionary Reports.)
FRIESLAND (Friesland), the most nortbern province of the kingdoan of IIollaud, situated between $52^{\circ} 40^{\prime}$ and $53^{\circ} 25^{\prime} \mathrm{N}$. lat., $5^{\circ} 24^{\prime}$ and $6^{\circ} 20^{\prime}$ E. long., is bounded N. by the Nortb Sea, En, by the provinces of Groningen and Dronthe, S.E. by that of Overyseel, W. aud S.W. by the North Sea and the Zuiderzee. Foreiguers sometimes call it West Friesland, in order to distingnish it from Eiast fricsland in Hanover. The area is 1261 square sniles, aud the population on the 31st December 1852 was $255,915$.
The surface, as woll as the soil itself, are so identified in charncter with thoso of the proviace of North Holland that there cannot be a doubt that they formed one and the name country antecedeutly to the convulsion out of which the Zuiderzee, wbicb now separates theus, arose. There are many parts of Firicsland wbich, like North Hollaud, lio lower than the level of tho sea, and are protected from the sturms of the North Son hy costly artificial dyles. The whole laud is fat and intersected by camals; nor is there an eminence throughout it excepting some mouuds, here called 'terpen,' on which the ancient Frisians were accustomed to take refuge in scamons of marino inunda. tions. Iu all parts there are deep awampa and maraly bogs, between wbich, especially in tho nouth and cast, tracts of sand mad moor, or low meagro woodlands, occasionally interpose. The canals, which are frequently bigher than tbe laud they drain (the water being pumped up into them), and have cmabled human lndustry to bring it under cultivation, mostly join the great cannl, whiel begins at Hanylingen, a port on the west coast, and lends through Franeker, Leeuwarden, and Dokkun to Groniogen. Near Lceuwarden this caual is joinod by another, wbicb runs southward to Sucek whence tho water communication is continued by tbe junctiou of soveral small lakes to the

Zuiderzee at Lemmer. A great part of the surface is below the level of the sea, and the provincial administration of the water-staat exercises a watchful superintendence of the dykes, sluices, and canals, for the maintenance of which the land-owners of the province pay an assessmeut called a dyke tax. The lowlauds near the coast, particularly in the north-west, are mostly appropriated to the feeding of cattle; and tho interior of the province, where the ground is somewhat more elerated, to the growth of corn. Friesland has no river of any note, the principal are the Lawer which falls into the Lawer-see, a small inlet of the North Sea, on the northeast coast; the Boorn in the centre, and the Kuinder and the Linde, which unite just before their entrance into the Zuiderzee on the south of the province: the first only is navigable for small craft; the others are broad rivulets of inconsiderahle lengths. There are a multitude of small lakes or ponds, the majority of which have heen formed by extensive diggings for turf, and are well stocked with fish. Of late years many of them have been drained either in part or wholly, and converted into polders. The principal occupation of the people is hreeding cat tle, dairy farming, growing corn, fishing, and digging and preparing turf for fuel. The stock of cattle is very numerous; above $5,000,000 \mathrm{lbs}$. of butter and $1,000,000 \mathrm{lhs}$. of cheese (one kiud of which called Kanter-kass is in high repute) are annually exported, but the quality generally is inferior to the cheese of the western proviuces of Hollaud. There are numerous llocks of sheep, hut they are of an inferior hreed, and the wool is coarse. A great quantity of lambs are exported; and a considerable number of horses are bred: they are strong limbed and stand high, and are much sought after as carriage horses, but like most Dutch horses they are soft in the hoof. Swine are reared everywhere, and fed with a view to the production of lard rather than for meat. The agrioultural produce of Friesland is more than adequate to its consnmption, and some corn is exported: the chief articles of growth are wheat, barley, rye, peas, beans, flax, hemp, potatoes, huckwheat, and clover-seed, which last is exported largely. One of the effects of the extensive cultivation of clover is that the honey of Friesland enjoys great repute. Apples and plums aro extensively grown. There are few manufactures: they include wooden clocks, woollen stuffs, linen, sailcloth, salt, paper, potatoe starch, spirits, chicory, ironmongery, and tiles. Ship-building is also carried on. Steamers ply between the towns on the west coast and Amsterdam, and small iron steam-boats ply on the canal from Lemmer to Sneek and Leeuwarden. The province is traversed by good roads.
The inhahitants are priucipally Calvinists ; about one-ninth of the population are Catholica. Their language has a greater similarity to the German than the Dutch : in this respect indeed, as well as in their dress and manners, they have retained much that was common to their ancestors, tho Frisians. In the larger towns Dutch is spoken. Elementary instruction is afforded hy nine special charity schools, and in 264 other schools, in which poor children are taught gratuitously. The number of savings banks in the province is six. Charitable institutions are very numcrous, including no less than 53 hospitals, 7 workshops for employing poor artisaus, and numerous other institutions capahle of affurding relief to several thousand persons. There is also a colony, called a 'Society of Benevolence,' for the employmeut and maintenance of orphans, foundlings, and beggars.
Friesland is divided into three circles, Leeuwarden in the north, and Sneek and Herrenveen in the south. The chief town of the province is Leevwarden. Bolswaart, a walled town, 8 miles S. from Leeuwarden, has 4300 inhabitants, who manufacture woollen goods, and trade in butter and other agricultural products. Francker, on the canal from Leeuwarden to Haarlingen, is an old well-built town, with 5200 inhabitants, a high school, a public library, botanic garden, and tile manufactories. Maarlingen, a fortified sea-port on the Zuiderzee, 16 miles W. from Leeuwarden, has a population of about 8000 , five churches, a town-hall, and manufactures of sailcloth, gin, bricke, paper, salt, \&c., and a brisk foreign trade, especially to England, whither steamers convey butter, cheese, fowls, vegetables, cattle, and wool. Dokikum, a well-built town, with 3800 inhabitants, two churches, a handsome town-hall, surmounted by a high tower; manufactures of beer, brandy, salt, \&c., and a brisk trade in butter and cheese, is situated on the ship canal above mentioned, 13 miles N.E. from Leeuwarden, and 6 niles W. of Lawer Bay. Sneek, situsted on the canal between Lemmer and Leeuwarden, has two churches, about 7000 inhabitants, a town-hall, mauufactures of pottery, linen, deals, oil, \&c., and much trade in corn and butter. The district around Sneck is very marshy. Stavoren, a decayed sea-port town, on the most south-westerly point of Friesland, once the residence of the Frisian kings, is now a mere village. Workum, a port on the Zuiderzee, 13 milcs S. from Haarlingen, has about 3200 inhabitants, chiefly engaged in the coastiug trade and tho fisheries. Merrenveen, a markettown, with about 4000 inhabitants, 17 miles S.E. from Leeuwarden, is built in the midst of turf moors.

The islands Schiermonikoog, Ameland, and Terschelling, which lie off the north const, belong to the province of Friesland. Terschelling, the largest of these islands, is about 16 miles long aud 3 miles wide it has a population of about 2500 , who are engaged iu fishing and agriculture, Ameland is the subject of a separate article. [Ameland.] Schiermonikoog is 6 miles long and 2 miles broad; its population, which is under 900 , is engaged chiefly in fishing. All these islands
rest upon banks which have but little water on them, being apparently portions of the mainland submerged, intersected however here aud therc by narrow intricate channels of considerable depth.

Friesland is part of the territory inhabited by the ancient Frisians, a prople of Germany, who formed part of the nation of the Ingævones. They were divided into Frisii Minores, who inhabited the lauds north of the island of the Batavi-the present provinces of Oberyssel, Gelders, and Utrecht, and the greater part of the province of Holland, inclusive of the Zuiderzee, which at that time was mostly dry land; aud the Frisii Majores, who inhabited the land between the Yssel, Erns, and the country of the Bructeri-that is, the present provinces of West Friesland and Groningen. The old Rhine separated them from the Batavi, and the Ems from the Chauci. According to Tacitus ('Anu.' ii. c. 24) they were the most steadfast allies whom the Romans possessed iu this quarter, but upon the Roman governor Olennius making an attempt (A.D. 28) to treat them as subjects, they rose in arms, massacred and expelled the Romans, and razed with one exception all their strongholds in these parts. (Tacit. 'Aun.' iv. 72, 73, xiii. 54. ) In the 4 th and 5 th centuries they were in possession of all the territory along the coast of north-western Germany from the Schelde to the Elhe, and they allied themselves with the Saxons, whom they aided in their conquest of Britain. Pepin, major-domo of the Franks, put Radbod their king to flight, and wrested their westeru lands from them between the mouths of the Schelde and the Rhine. Charlemagne brought the eastern Frisians under subjection, and appointed dukes over them, whoso office subsequently merged into that of chieftain (häuptling). The result of continued struggles for the mastery betrreen these chieftains, who called themselves counts, was, that count Edzard prevailed, and established himself in that part called East Friesland in 1458. In 1657 count Enno acknowledged it as a fief of the empire under the emperor Ferdinand, and was raised hy him to the dignity of a sovereign prince. The last prince died iu 1744, and by virtue of an imperial grant in 1690, Prussia took possession of East Friesland. This province was wrested from her in 1808, and transferred to Holland; in 1810 it became a province of the French empire; in 1813 Prussia recovered it, and in 1815 she ceded it to Hanover.

The ancient Frisians resembled the Germans in their habits and mode of living, and according to Tacitus, the only tribute they could afford to pay the Romans consisted of skins. Their chief occupations in ancient as in modern times was agriculture aud cattle breeding.
(Tacitus, Annals; Wiarda, Mistory of East Triesland.)
HRIESLAND, EAST. [AURICH.]
FRISCHES HAFF, a large shore-lake in the north of Prussia, communicating by a narrow strait with the Baltic, and lying to the south of the Gulf of Danzig, from which it is separated by a long narrow spit of land called the Frische Nehrung. Its length from north-east to southwest is ahout 60 miles; its hreadth varies in different parts between 4 and 12 miles; and it occupies an area of ahout 310 square miles. At the north-eastern extremity of the Frische Nehrung, opposite to Pillau, there is a narrow strait, 12 feet deep and 3000 feet wide, called the Gatt. This passage was formed hy an inundation of the waters of the Haff in the year 1510. In consequeuce of the shallowness of water in the Frische Haff, particularly in summer, no large vessels can navigate it, and Pillau is therefore the port both of Königsherg and Elbing, cargoes being conveyed to and from these towns in lighters. Among the numerous streams which find au outlet in this Haff, are the Pregcl, Frisching, Passarge, Baude, and two arms of the Vistula. That the Frische Haff is not au inlet of the Baltic, as it is sometimes called, is sufficiently proved by the name, which is descriptive and means 'fresh-water sea.'

The Frische Nehrung projects for about 40 miles aloug the north shore of the Frische Haff. Its widest part is hardly 3 miles across, but the general hreadth is under a mile. The portion of it west of the Gatt belongs to the goverument of Danzig, and is in parts fertile, but generally a hungry waste with a few hamlets inhabited by fishermen. On the part east of the Gatt, which belongs to the government of Köujgserg, are the port of Pillau and the little town of Fischhausen, which lies on the uorth shore of the Haff.

FRITH, or FIRTH, a term which corresponds to the 'fjord' of the Danes and Norwegians, and the 'fiördur' of the Icelauders, is properly used to indicate a narrow and deep inlet of the sea, especially in a rocky and elevated coast. It is generally used in Scotland for the astuary of the more important rivers.

FRIU ${ }^{\prime} L I$, one of the old provinces of Venice, now the most eastern part of Austrian Italy, forming the province of Udine, is bounded N. by the Carnic Alps, which divide it from the valley of tho Drave in Carinthia; N.E. by the Julian Alps, which divide it from the valley of the Save; N.W. by an offset of the Carnic Alps, which divides it from the valley of the Piave in the province of Belluno W. by the province of Treviso, from which it is divided by the river Livenza; S. by the Adriatic Sea; and E. by the governmeut of Trieste or Littoral Istria. The former limits hetween Venetian Friuli and the Austrian district of Trieste were marked by the river Isonzo, hut the bouudary is uow placed farther west, running from Palmanova to the mouth of the Ausa, leaving out Aquileia and Grado, which make part of the circle of Istria. [Aquileia.] The boundaries of Italy on this side are not strongly marked by nature the chain of the Alps does not approach near the sea and the main
ridgo or Jalian Alps turns off to tho eastrwanl a considerahle distance inland between the sources of the Icouso and those of the Save. The vallern of the Isonzo also and its tribntaries present an opening Into Carniola, and the const of the Adriatic affords au onsy access to Italy from Istrin, Croatlo, and other parts of Illyrioum. Many centuries ago Paulus Disconus aud other writers bml obeerred thint Italy was most acceasible to foreign armies on its castern frontiers on the aide of Illyricum and Pannonim, and this may explnin in part, why the Germana have always found greater facility than tho French in main. taining a footlog in the Peninsula. Accondingly this was the road by whleh the Gothes, the Hemili, the M1ıne, the Longobards, and the Ilungarians, succeanively invaded Italy.

The name of Friuli is a corruption of Formm $J_{n} l i i_{\text {, }}$ a town in the territory of the Carui mid to have been founded by Julius Cresar, on the river Natiso, one of the affluents of the Isouzo, which lows along the western base of an offset of the Julian Alps which bounds Friuli to the north-enst. Forum Julii way most.prohably at first a central place of meeting for the neighbouring Carni in their latereourse with the lioman magistrates. It was long an inconsiderable place, but rose to some importance in the later times of the Roman ompire. After the fall of Aquilcia A.D. 452 it became the capital of Venetio, $n$ dignity which it continued to bold under the Gothle and Lombard
rulen of Italy. The date of its destruction is unknown. Escavations made in recent times under the direction of the Canon della Torre have exposed to riew numerous remains of antiquity, inclnding foundations of temples, and other public buildings in the neighbourhood of Cividalo di Friuli, a small town which marks tho ancient site. Alboin, who eutered Italy on this side, after conquering the plains of tho Po, placed his nophew Gisulfus as governor or Duke of Friuli From that time Friuli formet one of the principal duchies of which tho elective monarehy of the Lougobards was composed. When Charlemagne overthrew that monarchy in the Sth century, he left Friuli to its Longobard Duke Rotogaldus, hut Adelgisus the fugitive non of Desiderius having re-appeared in Italy with troops, the Duke of Friuli joined him, for which he was attacked hy Charlemagno, defeated and executed. Charlemagne then gave the duchy to a Frenchman of tho namo of Henri, adiding to his government the territories of Styrin and Carinthia, Henri was assassinnted A.D. 799 ; after which several dukes followed in succession, and among others Berengarius, who obtained the crown of Italy after the extinction of the Carlovingian dynasty. Berengarius was assassinatod in 924. Mention is made however of subeequent duken of Friuli till the beginning of the 11th century, when Conmd the Salic, emperor of Germany and king of Italy, gave both the duclyy of Friuli and the marquisate of Istria to his chancellor Poppo, patriareh of Aquilela Poppo's successors held Friuli as sovereign princes, though nominal feudatories of tho empire till the year. 1420 , when the patriarch being at war with Venice, the Venetians conquered Friuli and annezed it to their territories, learing to the prople of the towns their municipal laws and magistrates, and to the foudnl lords their jurisdictions, and allowing them to retain a considerable degree of independence. The county of Goriz and the territory of Moufalconc, on the east bank of the Isonzo, belonging to the old duchy of Friuli, were given up to Austrin Friuli remnined subject to Venice, till the fall of that republio in 1797, when it was ceded to Austria, hy the pence of Carnpo Formio. It was sunexed to the kingdon of Italy in 1806, hut was reconquered by Austria with the other Venetian provinces in 1 S14. It now forms the province of Udine in Austrian Italy.

Friuli, though little visited by travellers, is a very fine and interesting part of Italy. Its length is about 60 miles from the sourees of the Taglinmento to the sen, its hreadth in about 45 miles, and its area ahout 2520 square miles. Its population in 1850 amounted to 429,844 . The country is watered by numerous rivers, and has considerahle plains in its southern part, producing ahundance of corn and very good wine, while the northern part is hilly and affords excellent panturo and plenty of game. The climate in bealthy, tho inhahitarts are robunt and epirited, and were considered good marksmen in the time of the Venetinn rule. They speak a dialect of the Italian, differcut from the Venctina; on the horders however German and Slaronins are spokon.

The town of Ciridlale or Ciridale di Friuli stands on tho Natiso, in $46^{\circ} 4^{\prime} 54^{\prime \prime}$ N. lat., $13^{\circ} 26^{\prime} 51^{\prime \prime}$ F. long., and has a population of above 6000 ineluding lts territory. It is surrounded by old walls and a ditch. The Natlso is at Cividale crowed hy a long bridge. For a further notice of the province see Unixm.

## FRODSHAM. [CismanRE]

F'llOB1F, Somernotahire, a munlcipal and parliamentary horongh, market-town, and the ment of a PoorLaw Union, In the parinh of Frome, is situnted on the small river Frome, a feeder of the Avon, in $81^{\circ} 13^{\prime} \mathrm{N}$. lat, $2^{\circ} 19^{\prime} \mathrm{W}$. long., dintant 12 milen S. hy F. from Bath, 103 miles $\mathbb{S}$. hy W. from London by road, and $115 \frac{1}{4}$ miles by the Great Wentern rallway. The population of the parlinmentary borough of Frome was 10,148 in 1851 . The borough returns one member to the Imporial l'arliament. The livlng in a vicarago In the archdea. conry of Wells and dlocenc of Bath and Wella Frome PoonLaw Union conhainm 29 parishes and townsbips, wlth an ares of 50,206 acres, and a population ln 1851 of 25,325 .
Fromo was anciently, and is still ofven denignated Fromo Selwood,
from its positlon near the once-axtenslve forest of Selwood. The aituation of the town in pleanat and healthy. Tho houses are irroguInrly built, and the older etreets are narrow. Of late years new stroctand roads havo been formed, and new huildings erected, includiag a markethouse, with a handsome puhlic room in tho upper part. Tho town is lighted with gas A stone bridge of fro archen eroses the river at the lower part of the town. The parinh chureh is ancient, but was enlanged and alterod, and five painted wiudow: added a fow yearm since. Two new churehes have been erected. Thore are two Independent chapels, two for laputists, two for Weasleyan Methodists, and a Qunkers' mecting-house. Frome possessen a Bluo-Coat charity school for 25 boyn, an anglum for 25 girle, which clotlses, educates, and apprentices the children, and claaritien for old men, women, and children, which dintribute 13001 . annually. There are a literary institute with a good library and muscuna, and a savings bank. A county court is held In the town. The principal manufactures aro those of woollen cloth, silk, and hata. There aro also manufactures of fur, and of cards used by the wool combers in dressing cloth. Frome lins been long noted for brewing ale. The river Frome in its course to the Aron supplies water power to numorous mills. The principal marlet is held on Weduenday, a losaer one is held on Saturday, and a largo one for agricultural stock monthly; fairs are hold on February 24th and Noveuber 25 th.

One of the most activo pronoters of tho recent improvements in Frome, Mr. T. Bunn, has at his owu expense planted many thousaud trees, and thereby added not a littlo to the pleasat appearanco of the town. There are some very dilapidated remains of a monastery near Frome. In the viciuity are uumerous fine mansions

## (Communication from Frome.)

FRONTIGNAN. [HERAULT.]
FlzOSINO'NE, a province and town in the Papal States. The province is bounded N. aud W. by the Comarea di Roma, E. by the Terra di Lavono in the kiugdom of Naples, and S. by tho \$feditermmean. Its greatest length from north to south, from the ridge north of Anagni to Monte Circello, the most southern point of the Papal States, is about 40 miles; its greatest breadth is ahont 30 miles. The area is 720 square miles; and the population in 1843 was 141,930. This prorince includes niso in its jurisdiction the small district of Poute Corvo, which is in the valleg of the Liris, within the territory of Naples, but belongs to tho Pope. The province of Frosinone consints of four natuml divisions: 1, the Valley of the Sacco, which is fertile; 2, the mountains north of it, tho Heruica Saxa, or Rocks of the Hernici, which are mostly barreu; 3, the Monti Lepini, Volscorum Moutes, south of the valley of the Sacco, which are partly cultivated; and 4, the Pomptine Marshes, extending aouth of the Mouti Lepiui to the sea-coast as far as Monto Circello and Terracina. The provinoo contains 7 towns and 45 terre, or villages, having a communal council, and 24 hamlets. (Cnlindri.) Frosinone, huilt on a hill ahove the junctiou of the river Coss with the Sacco, is the eapital of the prorince, and the residence of the delegate. The usture of the surface of tho province is described under Campagna di Roma. The principal towas are here given :-

Frovinone, the ancient Frrusino, a town of the Volsci, afterwards a Roman colony, is built ou a hill at the opening of the valley of the Cosa iuto that of the Saceo, iu the midat of a well-cultivated couutry, and las about 7000 inhabitants. It gives title to a hishop, and has an old castle, a college, and some remains of an ancient amphithentre at the foot of the hill Ferentino, on the site of the ancient Ferentinum, is an cpiscopal sec, aud has 6700 inhahitants. Tho existiug remains of antiquity at Ferentino comprise lange portions of the ancient wall, built with rast irregular polygomal blocks of limestone, patehed up in many places with Romau masonry; an ancient citadel; and portions of Roman buildiugs. Fereutinum was a city of the llemici. Alatri, huilt ou a stocp lifll ahove tho valley of the Cossa, 7 miles from Ferentino, is an episcojal seo, has 8000 iuhahitanta, aud manufictories of coarse woollen clotlh. On the sumait of the hill is a vast space, 660 yards in cireuit, defended by a wall of massive polygonal ninsonry without cenueut, The wall of this acropolis is 12 feet thick, and in some places 50 fect ligh. Two gates lead into the iuclosed space, where the cathedral and the episcopal palace have been built. The walls of the citadel, and those of the town itself, aro huilt of hard A penuine limestono, aud for masaive solidity, and ns specimens of the jrolygonal atyle of masonry, are unsurpassed in Italy. Alatri is the ancient Alafrium, another town of the Hernicio Veroli, an opiscopal see, also built on a inountain, has 7000 inhabitants, mostly agrlculturiata. North of it, near the souree of the Cosa, in the fine Carthusian convent and church of Trisnlti, built in a wild glen of tho Apennlues; and near the vlllage of Collepardo in a vast cave in tho form of a dome, mearly 200 feet bigh, full of splendid stalnctites. Anagni has heen alrealy noticed. [ANagsi.] Ceccano has 5500 inlanbitants ; and Ceprano, on tho Liris, above its junction with the Sacco, and on the Neapolitan froutier, has 3000. Upposite Ceprano, on the left bank of the Liris, aro some ruins, which mark the site of the ancient Fregelle, a Volscian city early colouised by the Romang, distinguished for its fidelity to IRomo In tho invasion of Ilannibal, but utterly destroged for its rehellion n.c. 125. Segni, the ancient Signia, is built on tho Lepini ridge, with Cyclopean walls of four miles cxteut, and seven gates, and the remains
of an ancient temple, now turned into a church. The town gives title to a hishop, and has 4100 inhabitants. Paliano, a walled town 7 miles N.W. from Anagni, has 3700 inhabitants and a large baronial castle, which was for a long time the residence of the powerful family of Colonna. The above towns, besides several others with between 2000 and 3000 inhabitants, are situated at a short distance from each other, in or near the valley of the Sacco, which is traversed by the road from Rome to Naples, the ancient Via Latina Many travellers prefer the lower or Appian road by the Pomptine marshes, which is better; but the country is unwholesome and desolate in summer. On the southern slope of the Monti Lepini, looking towards the Pomptine marshes, are Piperno, the ancient Privernum, with 3700 inhabitants; Sezze, the ancicnt Setia, an episcopal see, with 8500 inhabitauts; Cori (Cora), famous for its fine temple of Hercules, its massivo Cyclopean walls, aud its ancient Latin bridge, population 4300; Norma, the ancieut Norba, destroyed by Sulla, 1500 inhabitants. At the enstern extremity of the Pomptine marshes, on the high road to Naples, is Terracina, the ancient Anxur, which has some handsome modern buildings, many ancient remains, and 4000 inhahitants. Terracina gives title to a hishop.

Beyond the mountains east of Terracina, which form the boundary of the Papal States, is the town and territory of Pontecorro, in the valley of the Liris, and in the midst of the Neapolitan territories, but belonging by an old donation to the see of Rome. Pontecorvo has a population of 6500 , a cathedral, and a long bridge over the Liris, or Garigliano.

FROZEN OCEAN, a term used to iudica to the seas surrouuding the Poles, in which great masses of ice swim about. It is consequeutly synonymous with Icy Sea, and in some degree also with what are caller the Arctic and Antarctic Seas or Oceans, or Polar Seas.

FRYERNING. [Essex.]
FUEGO, TIEIRRA DEL, South America, is the name by which the archipelago is designatcd which constitutes the southern extremity of America It includes all the islands south of the Strait of Magalhacns ns far as Cape Horn, and lies between $52^{\circ} 30^{\prime}$ and $56^{\circ} \mathrm{S}$. lat., $65^{\circ}$ and $76^{\circ} \mathrm{W}$. long. Staten Island however extends more than a degree farther east, but is divided from the archipelago by the Strait le Maire, which is ncarly 20 miles across. The whole length of the archipelago, from Cape Good Success, on Strait le Maire, to Cape Pillar, at the western entrance of the Strait of Magalhaens, exceeds 450 miles. Its greatest breadth, hetween $63^{\circ}$ and $70^{\circ} \mathrm{W}$. long., is not less than 250 miles.
Tierra del Fuego consists of oue largo island, four others of moderate extent, and a great number of smaller islands and rocks. The larger island forms the eastern and north-eastern portion of the group, and occupies considerably more than one half of the whole. It is called King Charles's Southland, and is more than 250 miles long and 170 miles wide; its area is near 20,000 square miles. On the soutls of it lie the islands of Navarin, which is about 40 miles long and 20 miles wide; and Hoste, which is 70 miles long and 36 niles wide; these islands aro scparated from King Charles's Southland by Beaglc Channel, extending iu a straight line, east aud west, for 120 miles, and heing only from one third of a mile to one mile across. South of Hoste is a group of smaller islands, the most southern of which is the bare rocky mass called Horn Island, the southern point of which, Cape Horn, is considered to be the nost southern extremity of Ainerica. Navarin Island is separated from Hoste Island by Ponsonby Sound. To the west of King Charles's Southland aro Dawson's Island, Clarence Island, and South Desolation. 1)awson's Island lies in the widest part of the Strait of Magalhaens. It is a rocky mass, 50 miles long aud 6 miles wide; some of the mountains attain au elevation of uearly 3000 fect. The surface of the island generally is covered with trees. Clarence Island is separated from King Charles's Southland by a crooked channel, which towards the Strait of Magalhaens is called Magdalen Sound, but towards the open sea Cockburn Sound, and which affords an easy passage between the Atlantic and the Pacific. Clarence Island resembles Dawson's Island in character, but the shores are more hroken by deep inlets, and the mountains are lower, the highest surnmit hardly attaining an elevation of 2500 feet. The island is about 50 miles long and 12 miles wide. South Desolation, or Staines Island, which forms the most western portion of the archipelago, is separated from Clarence Island by Barbara Chaunel. It is nearly 100 miles long, and has a mean width of 15 miles. It is rocky and barren, the scanty vegetation being cliefly of stunted trees. Many of the mountains rise above the snow-line,
The northern portion of King Charles's Sonthland is a plain, on which there are a great number of low hills with a gentle ascent. No trees grow upon it, but therc are shrubs and grasses. The shrubs are thinly scattered, but the grasses are abundaut, and though of a harsh and dry appearance they fecd large flocks of guanacoes. Captain Fitzroy considers this plain more fertile than those of Patagonia south of $45^{\circ}$ S. lat., and thinks that parts of it may be cultivated. It is at present occupied by uatives, resembling the Patagonians. [Patagovia]. This plain is almost the ouly level portion of the country; it being, accordiug to Mr. Darwin, extremely rare to find an acre of level ground : in fact, Ticrra del Fuego suggested to him the appearance of a vast mountain region partially submerged. The line
of separation betwceu the plain and the mountain country begins on the Strait of Magal haens, on the northern shores of Admiralty Sound, and extends thence to the Strait of Le Maire. It is formed by a range of mountains, the loftiest summits of which are Mount Sarmiento ( 6900 feet) and Mount Darwin ( 6800 fcet), both towards the westward end of the range; eastward the highest points are about 3400 feet. The shores of this monutain region are intersected by deep inlets, some of which form good harbours. Along the valleys is a good deal of timber; and the declivities of the mountains aro covered from the water's edge up to 1000 to 1500 feet with dense forests, chiefly of beech (Fagus betuloides). Above the forest land are many varieties of dwarf alpine plants.
The mountainous portion of the archipelago comprehends the southern and western part of King Charles's Southlatd, and all the other islands besides. It presents a successiou of hills and mountains valleys and ravines; the mountains rise in gencral to 2000 or 3000 feet, and several attain the snow-line, which here is often 3500 to 4000 feet. In this region every valley, aud almost every arm of tho sea which penetrates far inland, displays glaciers of greater or less size descending into the sea. The shores are iutcrsected by deep but narrow arms of the sea, on whose sides rise the mountains, whose summits for the greatest part of the year are covered with snow, while their steep and rocky declivities are partially overgrown with evergreens. The natives of this country differ considerably from the Patagonians: they are low in stature, varying from 4 feet 10 inches to 5 feet 6 inches in height, and live iu a very barbarous condition; they have frequently no other coveriug than a scrap of hide, which is tied to their waists. Their colour is darker than that of copper, and like mahogany or rusty iron. "The most remarkable traits in the countenance of the Fuegian are his extremely small low forehead, his prominent brow, sunall sunken black eyes, wide cheek-bones, wide and open nostrils, large mouth, and thick lips." (Captain Fitzroy's 'Voyage of Adventure aud Beagle,' ii. 175.) They have no government; and the neighbouriug tribes, who speak different dialects, are almost always hostile. Cannibalism is practised. They never cultivate the soil; but, occupying only the sea-shore, they live chiefly ou shellfish. Almost the only vegetable production which they eat is a peculiar fungus (Cytharia Davoiniv) which grows on the beeches.
The climate of this archipelago is extremely cold. Cloudy weather, rain, and wind prevail throughout the year, and fine days are rare. No season is quite free from frost; the thermometer, even in February, which corresponds to our August, descends occasionally some degrees helow the freezing point; but even duriug the winter the mean temperature is, according to the observation of Captain King, $2 \frac{1}{2}$ above that point, though it occasionally descends to $12 \frac{1}{2}^{\circ}$ of Fahrenheit. It scems that this peculiarity of the climate is chiefly to be attributed to the high temperature of the sea, the surface of which is never lower than $45^{\circ}$ Fahrenheit, at least in the Strait of Magalhaeus. The coasts, which are exposed to the influence of the open ocean, have probahly a much colder climate, as during the winter they are surrounded by large fields of ice, which at that season occur as far north as $54^{\circ}$ S. lat., along the shores of Kiug Charles's Southland. "Fogs are extremely rare on this coast, but thick rainy weather prevails, and strong winds. Tho sun shows itself but little, the sky even in fine weather being generally overcast and cloudy. A clear day is a very rare occurrence. Gales of wind succeed each other at short intervals, and last several days. At times the weather is settled for a fortnight, but those times are few. Westerly winds prevail during the greater part of the year." ('Admiralty Sailing Directions.') March is the most boisterous month in the year. Lightning and thunder are almost unknown. The level portiou of King Charles's Southland suffers rather from want than from abundance of moisture, like the eastern coast of Patagonia.

The zoology of this region is very poor. The Mammalia of the land (for whales and seals abound in the seas) is coufined to "one bat, a kind of mouse, two true mice, a ctenomys allied to or identical with the tucutuco, two foxes, a sea-otter, the guanaco, and a deer. Most of these animals inhabit only the drier eastern part of the country, and the deer has never heen seen south of the Strait of Magalhaens." (Darwin.) Captain King found parrots and humminghirds on the shores of the Strait of Magalhaens. A few birds, as a white-tufted tyrant, a fly-catcher, a black woodpecker, and a wren, are seen in the interior; but the most commou bird is the creeper (Oxyurus tupinieri). Reptiles are unkuown. Insects are far from numerous. Fish abound in the inlets.

A current continually sets along the south-west const of Tierra del Fuego from north-west towards south-east as far as Diego Ramirez Islands; it then takes a more easterly direction, setting round Cape Horn towards Stateu Islaud, aud so off seaward about east-south-east. It sets rather from the laud, thereby much diminishing the danger to vessels approaching this part of tho coast.
(Fitzroy, Narvaiire of Surreying Voyage of II.M.S. Adventure and Beagle: Darwin, Journal of Researches; Hall, Journal, dc.)
FUENTE.OVEJUNA. [Cordova.]
FUENTERRABIA. [Basque Provinces.]
FUERTEVENTURA. [Canaries.]
FUlbourne. [Cambridgeshire.]
FULDA, a province of the elcetorate of Hesse Cassel, between E $^{\circ}$
inscription upon it to be tho mausoleum of L. Minnatius Plancus, a friend of Augustus; snother column with twelre focos, and inscribed with the names of the winds in Greek and latin, is one of the most curious monumenta in the town. In the cathertral is a baptiamal vaou of Parian marble with highly finished rilierom, besides other remains Gacta gives titlo to mu archloshop. There is a roynl rewidence here, to which the kiug of Naples and his fomily usuelly rewort in summer. Gac̈ta roso to distinction after the destruction of Formise, and under tho Normans became one of the most important cition of South Italy

GAllLAC. [TARN.
GA1LLON. FURE
GA1NSBOROUGII, Lincolnshire, en ancient market-town and seamost, and the seat of a Poor-Law Union, in the parish of Geinsborougl, is mituated on the right bank of the river Trent, in $53^{\circ} 23^{\prime} \mathrm{N}$. lat., $0^{\circ} 10^{\prime \prime} \mathrm{W}$. long, diotant 18 miles $\mathrm{N} . \mathrm{W}$. from Lincoln, I 18 miles N. by W. from London hy road, and 155 miles by the Great Northern railway. The population of the town in 195I was 7500 . For manitary purposes the distriet is under the management of a Local Board of Ifealth. The living is a vicarage in the archdeaconry of Stow and diocese of Lincoln. Gainsborough Poor-Low Uuion contains 49 parishes and townships, with an area of 105,226 acres and a population in 1851 of 27,037 .

Gsinaborough consists principally of one strect, running parallel to the Trent, which is here crossed hy a fine stone bridge of three elliptical arches The town is well paved, and is lighted with gas The puhlic buildings include the town-hall, a substantial brick build. ing, the lower part of which is occupied ns the jail ; the parish church, Which was rehuilt, with exception of the tower, about a century ago; three handsome district churches; and chapels for Wesleyan aud Primitise Methodistr, Independents, Quakers, Roman Catholics, and Unitariana. There are also a Grammar school, founded in 1589; National, Infant, and Wesleyan schools ; a liternry institute; libraries; a arings hank, and a dispeusary. A county court is held.

Gainaborough is adrantageonsly situated both for foreign end inlnnd trale. By the river Trent, which falls into the Ilumber about 20 miles below the town, ressels of 200 tons enn come up to the wharfs; and ly the Kealby, Chesterfield, and other canals, a communication is kept up with the interior of the country. The gross amount of custons duties received at the port iu 1851 was 35,9497 . 78. IId. The number of vessels registered at the port on December 31st 1853 was as follows:-Under 50 tons 6 vessels, tonnage 257 ; above 50 tous 5 remsels, tonnage 363 ; one steam vessel of 49 tons, and 4 of 307 tome The vensels which entered and cleared at the port during 1853 were:-Inwards, 214, tonnage, 18,292; outwards, 237, tonnoge, I2,125.
Linseed oil is very extensively manufactured; malting, ropo-making, and ship-building are largely carricd on. The merket-day is Tuesday; fairs of ten days each are held at Easter aud from October 20th, for cheese, horses, and stock. Gainsborough manor-house, a fine old Elizabethan hall, has been recently restored.
(Allen, Lincelnehire; Communication from Gainsborough.)
GALACZ [MoLDAKIA.]
GALAPAGOS, a group of islands of volcanic origin, situated in the Pacific, about 700 miles from the continent of South America, near the equator. They lic between $1^{\circ} N$. lat., and $2^{\circ}$ S. lat., $89^{\circ}$ and $92^{\circ} \mathrm{W}$. long., and consist of six larger and scven smaller inlanda. The largent is Albemarlo lsland, which is 60 miles in length, and about I5 miles broad. The highest part is 4000 feet above the nea Charles Islend, now called La Floriana, is 20 miles loug from nortl to south, aud about 15 miles wide.
The islands consist of cnormous manses of leva, rising abruptly from a fathomleas sea. In the interior, valleys and plains of moderato extent occur, which are covered with shrubs and that kind of cactus which is called prickly pear. This cactus supplies with food the grent elephanstortoines, so called from their feet being like those of a small elephant. These animals grow to an enormous size, and frequently weigh 300 lbs or 400 lbs. There are also iguanas and innumerable crabe Pigeons abound on the islands.
The elimate in moderated by the elovation of the surface of tho inlands (the eettlement on la Florinma belng 1000 feet above the level of the sea), and hy the cold current which sots aloug the south-nowsth-weatern side of the group to the north-north-west. In dry semmons mont of the weter-gools ilry up; but at the setting-in of the raina, In November, they aro again filled. Hetween Moy and Decomber the thermometer rangen between $52^{\circ}$ and $74^{\circ}$, and from January to diay botween $74^{\circ}$ and $84^{\circ}$, and occaionally higher.
Thee filande were first visited towards the end of the lnet century by the whalers of the Preifio Occan. In 1882 a settlement was formed hy one lilamll, an inhabitarit of Guayaquil, who obtained a grant of the ifland of La F'lorians from the government of Ficuador. Sugar-cane, aweet potatoen, and Indinn corn aro cultivated. It has been recently reported that an extennive deponit of guano bas been found on one of the inland.

## GALASIIT1:Ls. [Smininksmine.]

GAlA"TlA, a conutry of Amin Minor, which originally formed part of Phrggia and Cappulooin Its boundaries differed at various timen It wes bounded on the sonth by Phrygin and Cappadocia, on the enst by Pontra, on the north by Paplilagonia, and on the west hy Bithrnin.

It obtained the neme of Galatia from the settlement of a lerge body of Gauls in thin part of Asin. Tho firet horde that appeared in $\Lambda$ sin (B.c. 2 20) formed part of the army with which Brennus inraded Greece. In consegnenco of nome disacnsions in the army of Brennus, a conviderable nnmber of hin troops, under the command of Leonorius and I utarius, len their countrymen anil marclied into Thrace; thence they proceoded to Byzantium, aud crossed over into Asia dt the invitation of Nicomedes kiug of Bithynis, who was anxious to securo thoir assistanco agninst his brother Ziboetas. (Livy, xxxviii. 10.) With their aid Nieomedes was succesful; and, accorling to Justin (xxv. 2), as the Galli received part of the conquests the country was called Gullograecia The allies of Nicomedea now became his mastere, and he, as well as the other monarche of Asia Hinor to the west of Mount Taurus, was ohliged for mnny years to purchaso safety from these barbarinas by the payment of tribute. By fresh acconious their numbers beenme so great that Justin informs us (xxv. 2) "that all Arin warmed with them; and that no Enstern monarchs carriod ou war without a mercenary army of Gauls." Instances of this kind are given in Clinton's 'Fastí Hellenici,' vol, iii. p. 124. They are also maid in the second book of Maccabees (viii. 20) to havo advanceld as far as Babylon, and to have been defeated by the Jewa. The first effectnal check they received was from Attalus I. king of Perganus, who defeated them in a great battle (B.C. 239) and compelled them to settle permanently in that part of Asia which was afterwards called Galatio (Livy, xxxiii. 21; Polybius, xviii. 24.) Though Attalus reduced their power, they still remained independeut, and gave Antiochus great assistance in his contest with the Romans, Having thus incurred the enmity of the IRoman repuhlic, Cneius Manlius the consul was sent against them with a considerable army, B.c. 189. The particulars of this war, which terminated in the courplete defeat of the Galatians, are recorded in Livy (xxxviii. 12-27). From this tine they were in reality subject to Ilome, though allowed to retain their own native princes. In the war against Mithridaten, Deiotarus, originally ouly a tetrarch of one of the Galatian tribes, greatly assisted the Romans, for which service he was rewarded by the grant of Pontus and little Armenia, and the title of king hy the Roman Senate. He was succeeded hy Amyntas, according to Strabo (h. xiii.). At the death of Amyntas, B.C. 25, Galatia became a Roman province. After the time of Augustue, tho boundaries of the provinco were enlarged, and Paphlagonia was added to it ; but in the reign of Constantine it was again reduced to its former limits, and in the time of Theodosius the Great was subdivided into two provinces, Galaria Prima, of which the capital was Aucyra, and Galatia Sccunda, of which Pessinus was the capital.
Strabo (b. "xii) inferms us that Galetin wrs inhabited by three tribes of Gauls; the Trocmi, the Tectosages, aud the Tolistobogii. Each tribe was subdivided into four parts, and cacle division was governed by a tetrarch, who appointed a judge and an inspector of the army. The power of these twelve tetrarehs was limited by a senate of 300 , who assemhled at a place called Drynametum, and who took cognizance of eases of murder, other offences being left to the jurisdiction of the tetrarchs and judges. This form of gevernment continued till shortly before the time of Deiotarus. All the tribes apoke the same language, and had the same customs. Though they afterwards spoko Greek in common with the other nations of Asia Minor, yet they had not forgotten their native tonguo in the time of Jerome, who inferms us ('Prolegomena in Epis. ad Galatas') tlint their langunge was almost the mame as that of the Treviri, or the people of Treves. They did not entirely lose their originnl aimplicity of mauncrs, for Cicero, in lais defence of Deiotarus, praises him as an oxtcusive cultivator and breeder of cattlo (c. 9).


> Coin of Galatln, Trajan. Imperial Greck.

Britiah Muncurn. Actual Mize. Copper. Welght, 427 graice.
Galntla posaessed few towns of importance, with the exception of Ascyra, Tavium, and Pemsinus. Tavium, tho enpital of the Trocmi, wra situnted iu the north-cast part of the province, but soon fell invs obacurity. Pesvinus, the capital of the Tolistobogii, north-eant of the river Sangarius, was a great trading-place, with a maguificent temple, senered to the mother of the gord, who wha there worshipped under the name of Agdintis. (Straho, b. xii) Ou the river Sangarius in this proviuco was tho ancient Gorlium, formerly tho capital of the Phrygian monarehy. Liry (xxxviii. 18) rleacribes Gordium as a monall towu in him time, but carrying on an extenaive commerce. The
apostle Paul appears to have visited Galatin twice, about A.D. 50 and A.D. 55 (Acts, xvi. 6 ; xviii. 23.) The date of his epistle to the Galatians has not been definitely ascertained.

## GALENA. [Illinois.]

GALICLA, the Kingdom of, is the north-eastern province of the Austrian dominions, and lies between ' $47^{\circ} 50^{\prime}$ and $50^{\circ} 50^{\prime} \mathrm{N}$. lat, $18^{\circ} 54^{\prime}$ and $26^{\circ} 33^{\prime}$ E. long. It includes the country formerly the territory of the republic of Cracow; and is bounded N. by Poland, E. by Russia, S.E. by the Bukowine, S. and S.W. by Transylvania and Hungary, and W. by Huagary, Austrian Silesia, and Prussian Sileoia The Bukowine, which was formerly included in Galicin, was separated from it by imperial patent in 1851. The area of Galioia is 30,157 square miles: the population in $1850-1$ was $4,555,477$. Galicia derives its name from the former principality of Haliczia or Galiczia, which, together with a considerable portion of Red Russia, once formed part of Hungary, but was incorporated with Poland in the year 1374. Its ancient connection with Hungary served as a pretext to the empress Maria Theresa, in 1772 , when Poland was enfeebled by intestine divisions, to claim its restoration; a claim which the Poles were forced to concede by the treaty of the 18th September, 1773, in consequence of which that part of the republic, now termed Galicia, was surrendered to Austria, and annexed to its dominions under the name of the kingdom of Galicia and Lodomeria.

Surface, Hydrography, de.-Galicia spreads out, in its whole length on the northern side of the Carpathian Mountains, into exteusive plains: those mountains extend their arms deep into the kingdom, and on the west, the Beskide branch of them stretches as far as the banks of the Vistula, rising almost abruptly out of the lowlands into heights of from 2000 to 5000 feet. The most elevated eummit in this quarter io the 'Babia Gora' (Womeu's Mouut), 5410 feet above the sea. In the south-west, the Patra or central range of the Carpathians, with their peaked summits and desolate naked aspect, rise to still greater elevations; the great Kryvan to about 8050 feet, and the Rohicz to 7230 feet. The brauches of this range penetrate much deeper into the country than those of the Beekides. The mountains are full of small lakes, which are here called Sav, Plesse, or 'Eyee of the Sea;' the largest of them, which lies to the north of the Great Kryvan, is called the Fish Lake; it is at an elevation of about 4550 feet above the level of the sea, but does not exceed 1600 paces in length, or 500 feet in breadth; it has a depth of 192 feet, and forms an almost perfect oval.

The northern part of Galicia is an extensive plain, in some parts intersected by low ranges of hills; and in the western part also a read level begins at Skavina on the right bank of the Vistula, and varying in width, extends to the banke of the San. The soil of the plains consists almost universally of loam and sand; the most remarkable accumulation of the latter is in what is called the Sand Mountain (Sandberg) near Limburg.

The rivers of the western part of the kingdom of Galicia belong to the basin of the Vistula; and those of the easteru, to the basins of the Danube and the Dniester. The Vistula forms the western boundary next to Poland for about 180 miles, flowing north-eastward from the spot where Austrian and Pruseian Silesia and Galicia converge to a point, and quitting the kingdom at Popowicze, a village oppoeite Zavichost at its northern extremity; this river increases in breadth along this froutier-line from about 120 to nearly 200 paces, and has a rapid current until below Cracow, the difference in the elevation of its bed from the point just mentioned and that city being about 200 feet. The tributaries of the Vistula, on the side of Galicia, are-the Dunayec or Danayez, which flows down from the Carpathians, is navigahle in the low country, receivee the Poprad, ulso a navigable stream, and other rivers in its course, chiefly northward, through the circles of Sandecz, Bochnia, and Tarnof, and falls iuto the Vistula near Novopole, oppoeite Opatoviec, after a course of about 105 milee. This river, like all thoee which flow from the Carpathians, overflows its banks in rainy seasous, doee much damage, and is dangerous to uavigate. The Wysloka is formed at Yaslo out of the junction of the Dembowka, Ropa, and Yasielka, flows through the circles of Yeslo and Tarnof, end after a northern couree of about 70 miles, joine the Vistula near the villege of Ostrof, in the north of Galicia. The San or Saan, the moet important tributary of the Vistula in this quarter, riees near Sianki, a village on one of the most northerly declivities of the Carpathiane, takes a north-westerly direction to Sanok and Bynof, whence it runs eastward to the town of Przemysl, and thence flows north-westward through a low country past Yaroelaf until it falls into the Vistula near Lapiezof. Its whole longth ie about 180 miles, and its chief tributaries are the Wyslek and Tanef. The Bug, which has its efflux in the Vistula also, does not become a considerable stream until it has quitted Galicia; it rises near Galigory to the east of Limburg, flows westward when above the latitude of that town, and before it reaches Buek turns northward and afterwards north-westward, and leaving Galicia below Sokal, enters Poland. The Dniester, another of the coneiderable rivers in this kingdom, through which it flows for a distance of about 310 miles, has its source in the Carpathians in the western part of the circle of Sambor, and thenco continues in a south-easterly direction till it entcrs Russia near Cholym. [DNIesTER.] It receives numerous
affluents on both banks, but most on the left bank, in its courso through Galicia. Another large river which in part belougs to easteru Galicia is the Pruth, which rises in the Carpathians within the circle of Stanislavof, flows through that circle to the borders of the Bukowine, and passes over into Moldavia below Pentuling. There are neither canals nor railways in the kingdom.

Geological Character.-Galicia abounds in sandstone, granite, sand of a very superior grain, quartz, slate, yellow and common clay, potters'-earth, yellow ochre, marble, gypsum, \&c. Mountain crystals, agates, jaspers, ordinary opal, alabaster, \&c., are found in several spots. The Carpathians are rich in metals, particularly iron, which is found along the whole liue of the Carpathians, from the circle of Sandecz to the frontiers of the Bukowine; but the proportion of metal in the ore ie small. Bog-iron likewise is met with in the circles of Stry and Zolkief. Gold ie obtained in small quantities in two or three places. Veins of silver are found in the lead of Mount Dudul, near that place, and it is also extracted from the calamine obtaiued near Truskawicze. Native sulphur occurs at Svoszovice, in the circle of Bochnie, and Sklo, in that of Przemysl. Coal is fouud near Moszyn, Kuty, and Skwarczva. The uothern side of the Carpathians containe enormous masses of rock-salt, and the country has numeroue saltsprings. There are several eulphuretted and other mineral springs.

Climate, Soil, and Productions.-The climate of Galicia is colder than that of any other posiseesion of Austria, in consequence of the proximity of the Carpathiaus. The summer io generally short, aud the grape never ripens : the winter is very severe for six mouths at least, and it is not uncommon to eee doep snow lying in the middle of April, or an oat-crop buried by the snow in the vicinity of tho Carpathian Mountains. The moist and swampy plains in the northeru part of the kingdom render that quarter also very chilly and raw.

The soil is of a very varied character. In the neighbourhood of the Carpathians, where sterile rocks or cold clay abound, the hushandman has difficulty in raising even sufficient barley, oats, and potatoes for his own consumptiou. But towards the plains, the soil becomes richer and more productive: the most fertile parts are those perhaps about Yaroslaf, such districts in the circle of Zloczof where limestone forms the substratum, and the greater portiou of the circles of Stanielavof and Kolomea. In many parts the soil is so light that the grass, underwood, and even trees quickly wither under the heat of the sun.
Agriculture is still in a very backward state in Gelicia. The productive land in Galicia (including the Bukowine, which was not then separated from Calicia), was thus occupicd in 1846:-Arable, 8,266,698 English acres; meadows and gardene, 2,912,537 acres; pasture, $1,952,440$ acres ; and woodlands, $6,031,065$ acres. The grain grown in the same year was in Euglish quarters:--Wheat, 616,844; rye, $1,653,721$; barley, $2,315,513$; oats, $3,223,434$; and maize, 116,081 quarters. Of potatoes, $38,199,690$ buehels were obtained. The viue is very little cultivated, only 42 acres were returned in 1846 as vineyards. Peas and beans, potatoes, and other common vegetables, chicory, clover, flax, hemp, tobacco, anise-seed, rape and other seed for making oil, a few hops, \&c. ere aleo grown. The supply of fruit is scanty. The forests consist principally of pine-wood, and there are large tracts of underwood. In some parts the oak attains a majeetic growth. Tar and potashes are made in considerable quantities.

A great deal of attention is paid by the government ae well as by private individuals to the improvement of the breed of horses. The best native horses of the Polish breed are bred in the western circles. Lerge droves of horned cattle are fed, the finest being brought from Moldavia. Much has been done towards improving the race of sheep, large numbers of which are raised; and Galicia now produces some fine wools. In the eastern districts much honey and wax are made. The rivers and emall lakes, and ponds, the last of which occupy an area of nearly 200 square miles, are well supplied with fieh. The bear, wolf, fox, beaver, roebuck, stag, lynx, marmot, eagle, vulture, swan, hcron, wild goose, squirrel, and hare are the principal wild snimals.
The mining industry of Galicia is chiefly coufined to iron and salt. The rock-salt mines of Wieliczka are of great magnitude and well known, and produce four-fifths of the whole quantity raised; the remainder is obtained chiefly from the mines of Bochnia A fino kitchen-salt is made from the saline springs in the eastern parts of the kingdom. A small quantity of coal is raised at Myszyn, in the circle of Kolomea, and there are sulphur-pits at Sroszovice. Mineral pitch is distilled into uaphtha at the government works in the circlee of Sambor, Kolomea, aud Stanislavof.
The manufactures of Galicia are gradually extending, though they are still on a confined scale. The country people in general make the materials for their clothing. The epinniug and weaving of flax and hemp give employment to thousands. They manufacture very coarse and durable linen, and in some parts a few fine clothe, damask and table linen, \&c. The cotton manufacture is inconsiderable. Much woollen yarn io spun, both hy haud and machinery; and there are small manufactures of coarse woollens iu all parts. Paper of inferior quality ie made to some extent. Ship-building is carried on priucipally in the circles of Przemysl and Rzeszof: the produce of deale, staves, \&c. is considerable; and great quantities of utensile, \&c. in wood are made. Brandy is manufactured on almost every largo
entate; the Jews ln particular aro considerable dintillers, and have a large number of stills at work. Juch tobaceo and some beet-root augar aro manufactured. Tanning employs many hande; but the pro. duction of iron, copper, and other metallic articles is limitod. Potters. ware of all sorts, ordinary china, glans, and fints may be added to this enumeration. The foreiga trade of Galicia is very limited. The exports consist of cattle, skins and hides, wool, grain, salt, timber, potushes, anise-seed, horses, \&c. ; and the impurts of raw materials from Hungary, Poland, IUsain, Turkey, tca, and of wines rud mnnufactured goode and colonial produce

Dirisions, Tonom, dec.-Galicia was divided into 19 circlea, but has been lately dirceted to be formed lnto three divisions, Limburg, Cracow, and Staninlarof, hering for thelr capitals the towns of the name names. Liybubo, the capital of Galicia, Cracow (as well as the larger towns within the circle of that name), and Brody are noticed under their respective titles. The other more importaut towns we notice here: the population is that of $1850-1$.

Stavislarof, or Stanislaf, the capital of the circle of Stanislavof, population including the suburbis about 9000 , is a strongly fortified town ituated between the two priucipal branches of the Bistritza, in $48^{\circ} 54^{\prime} \mathrm{N}$. lat., $24^{\circ} 50^{\prime} \mathrm{E}$ long., 75 miles S. F: by S. from Limburg. It possarsea few pnblic buildinge of any consequence, but is a place of some trade. Biala, on the right hank of the Bialn, 45 miles IV.S.W. from Cracow, population about 4000 , Las some mauufactures of linen cloth. Bochnia, 25 miles EnS.E. from Cracow, population about 5300 , contains a gymnanium and several churches. In the neighbourhood are extensive mines of rock-salt. Brezany, on the Zlota, 50 miles S.F. from Limburg, population 6899, contaius seversl cliurches, a gymansium, castle, and carries on some leather and linen manufactures. Drohobycz, 40 miles S.S.W. from Limburg, population with the suburbs about 7400 , is an ancient town, containing several churches, couvents and schools. Iron and salt-mines and pitch-wells are in the vicinity. A large yearly corn and cattle fair is held here. Premysl, 55 miles W. by S. from Limburg, on the left bank of the Saan, population about 4200 , more than half of whom arc Jews, is an old walled town containing two or three churches, a monastery, a synagogue, a gymnasium and other schools, an hospital, and the ruins of a castle; and carries on some manufactures of linen and leather. Reessor, on the Wisloka, about $\$ 0$ miles W. by N. from limburg, population 4600 , about half of whom are Jews, coutains churchen, schools, a castle, dc., and has some manufactures of linen and woollen clotha Sambor, on the left bank of the Dniester, 40 miles S.W. from Limburg, population about 6700 , contains a courthouse, churches, a gymnasium, and other schools; is the centre of a malt mining district, and has some linen manufacturea Abont 10 miles S.W. from it is the town of Stari Sambor, or Old Sambor, with a propulation of 2000 . Sandek, or New Sandel; 50 miles S.E. from Cracow, population 5300, is a town of some local importance; an older towa of the came name, Stari Sandel, populatiou 3500, hes about 6 miles S.W. from New Sandek Tarnopol, on the Sered, 85 milea E.S.E. from Limbnrg, population with the suburbs about 10,000, containa several churches, a gymnasium and other schools, and is a place of a good deal of trade. Trembowla, 20 miles S. from Tarnopol, once the capital of an independent principality, is now a small town of about 3000 inhnbitanta. Wieliczia, 9 miles S.E. from Cracow, populatiou 4700 , is chiefly famous for its salt-mine, perhaps the largest and most remarknble in the world; it yjelds 35,000 tous of salt annually, and contains within it a rivulet and lake of fresh-water, and a chnpel carred out of the saltrock. Zbaracz, 12 miles N.E. from Trmopol, population 5642, contains three clurches, a monastery, and an ancient castle.

Gorernment, Eflucation, dec.-The government of Galicis is on the name footing rn that of the other hereditary possessions of Austrin. The highest authority in eivil sffairs is the Board of Provincial Adminiatration at Limburg. The court of appeal and chief criminal court aro in the mame town, whero also are the heal-quarters of the comunander-in-chief for Calicia.

Of the inhabitants above half are of Polish descent, chiefly locnted In the weatern provinces, and next in number are the Iluthenes or Ifuasniaks, a rude, uncivilised raco of men, who hare spread into tho centre of Iluasin, and aro also numerous on the Hungarian side of the Cargathinns: they inhablt the cireles of Galicia cast of the San. The remaining part of the population oonsists of 328,806 Jewn, who aro meattered throughout the kinglom, and a mixed race of Gerinaus, Ilungarians, \&c.

The majority of the inlenbitutis $(2,236,765)$ are Roman Catholies : but a nearly equal number $(2,194,910)$ are of the Greek Church, who conform partially to the rites of the lloman Catholic Church. There are beskdes 31,069 of Grcek non-confornuists, nud 32,714 Irotestants. The lioman Catholica ane in ecclesiastical matters in charge of the Archbishop of Llmhurg and the bishope of Przemysl and Tarnof. The Arwenians, though fow in number, have an archbishop at Limburg. The Craco-Catholice, montly Itumeniakm, have also their own archblahop at Ifmhurg, and a bishop at l'rzemyal. The Greeka, wholly Moldarians, are under a Greek hishop at Czernovitz in the Hukowinc. Tho I'rotestanis aro under a superintendent at Limburg.
The number of benevolent institutlons is conshlerablo, and comprises elghteen Chrintian and threeJewinh hoepltals or asylums for the
sick or dimensenl, au hospital of the Benevolent i3rothers, six hospitala conducherl by the theucvolent Sisterhood, above 300 infirmarios and refugee for the iudigent, besides moveral poorhouses

The public provision for the general education of the people, has been greally increased within the latet 20 years: in 1846 it consisterl of a unlversity and an academy of art at Limburg, 4 philosophical and 4 theological seminaries, 13 gymnasin, 10 special and 25 general schools: in all 61 upper schools. The popular sehools nuinbered 3063 , being 43 head schools, 2195 lower schnoln, 12 girls' schooln, 781 adult or repetition schools, and 2 infant selools.

GALICIA, a province of Spain, is bounded N. by the May of Biscay, S. by Portuga, W. by the Atlantic Ocean, and F. by the provinces of Asturias and Leon. It is situated between $41^{\circ} 50^{\circ}$ and $48^{\circ} 17^{\prime} \times$. lat., $6^{\circ} 50^{\prime}$ and $9^{\circ} 16^{\prime} \mathrm{W}$. long. The greateat length north to south is about 130 miles; the greatest widtls cast to west is ahout 120 miles. It is divided into the following modera provinces :-

| Previnces. | Area in square miles. | Population in $18 \pm 9$. |
| :---: | :---: | :---: |
|  | 15,89\% | $\begin{aligned} & \$ 11,492 \\ & 419,437 \\ & 380,000 \\ & \$ 20,000 \end{aligned}$ |
| Tolal . | 13,897 | 1,730,929 |

Surface. This province is almost entirely corered with mouutains and hills, and is intersected by numerous valleym, many of which ane narrow, rugged, and difficult of access. There are few plains of any extent. Galicia forms in fact the western termination of the dircet conrse of the great Cantabrian mountain range. The Sierra de Penamarela enters Galicis from the boundary of Asturias and Leon, and taking a northern dircetion sweeps round by Mondeñedo, after which it turns southward, and passing by Lugo and Orense on the west terminates on the coast between Tuy and Vigo. This luourtain range, uuder the various nannes of the Sierra de Penamarela, Sierra de Mondonedo, Sierra de Lobo, Monte Faro, and other local denominations, incloscs the basin of the Miño and its tributaries, dividing it from the valleys of all the other rivers which enter the Atlantic or the Bay of Biscay. Many of the summits of this series of sierras are covered with snow during a great part of the year. Another offsot from the Cantabrian mountain chain passes in a south-sonth-west direction through the province of Leon, and enters (ialicin at the south-eastern angle, whence it extends from east to west to the coast, forming the boundary between Galicia and Portugal. This latter range shuts in the basiu of the Sil, and joius it to that of the Minio, of which the Sil is the largest tributary.

The coasts of this province are much broken, and are indented by numerous bays and other smaller inlets of the sea, besides which most of the rivers terminate in an mstuary, or ria. Thero are many promoutories and headlands, which project some distance into the rea, of which the best known are Cape Fstaca and Cape Ortegal on the north coast, and Cape Finisterre on the west coast.
Rivers.-The two largest rivers of this province, the Miño and its affluent tho Sil, are confined within the basin formed by the series of sierras which sweep round by Mondonedo, Lugo, and Orense. Nenrly all the other rivers flow weatward and northward from the exterior flanks of the same sories of moutains. The Mino (in Portuguceo Minho) rises in the Sierra de Mondonedo, flows southward past Lugo, and then south by wost to Orense, about 10 miles above which it roceives the Sil, augmented by the Cabe, the Bibey, and other streams, all of which come from the mountains of Asturias and Leon. After passing Oronse the Mino fows south-south-west, and then south-wrest, forning part of the boundary between Galicia and Portugal, aud eutering the sea below Tuy aud south of Vigo. The Tea rises on the western lank of Monte Faro, and falls iuto the Mino above Tuy. The Lerezo, the Ulla, nad the Tanhre, all flow in a south-went direction, and enter the sea by wide bays or antuarice, which aro named reapectively tho lRia do l'ontevedra, the Ria de Arosa, and the Ria do Muros y Noya

Climate end Productions. -The elimate is variable, temperato on the const, but cold in the Interior as compared with other provinces of Spain. Tho akies are cloudy, and much rain falls. The sides of the hills are well covered with forest-trees, aud also with chestnuttrees, whlch supply much of the food of the peasnutry. The villeys supply good pasturage for large numbers of cattle, and many fine mules and asses. The soil is genorally stony, hut is earefully cultivated, and produces wheat, barley, maize, flax, abundance of fruit, and a considerahle quatity of wiue. Swine aro roared in considerable numbers, and the liams are ln great request. The woods abound in gnme and the strcams in fish. The fisheries on the coast are a profitable branch of Inlustry, and not only supply food for the inhabitanta, but are exported largoly Into Leon and the Cantiles. Linen is the chief manufacture; it is made ln considerahle quantity and of good quality for domestic use.

Towns.-Corufia is the capital of Galicia and the proviuce of Coruina [Corvĩa.] Betanzos, 10 milen W.S.W. from Curnर̃a, is situated on a sort of peuinsula formed by the junction of two streams which discharge their uuital waters into the Bay of Betanzos. It is
an old town, and some of the narrow strects are still eutered by ancient granite gatervays. The population, about 4800 , are mostly employed in the fisheries. Perrol, 14 miles N.N.E. from Coruña across the Bay of Betanzos, but more than twice the distance by land, is a sea-port town with one of the best harbours in Europe, and with a vast naval arsenal and dockyards founded by Carlos III. It is situated in a deep inlet from the north side of the Bay of Betanzos, and the harbour is entered by a narrow channel, which is defended by the castles of San Felipe and Palma, while the town is strongly fortified on the land side by a wall on which 200 cannon might be mounted, but are not. The arsenal and dockyards are now in n ueglected and ruinous state. The old town is very irregular, but the new town is \& parallelogram of seven streets, crossed at right angles by nine others, and has two square plazas. The Alameda, or public walk, is between the new town and the Astillero, or dockyard. The town contains three large churches, two hospitals, a prison, naval barracks, and schools of navigation and mathematics: the population in 1845 was 15,720. Lugo, 50 miles S.E. from Coruña, is the capital of the province of Lugo. It stands on the left or western bank of the Miño, and is inclosed by walls. It has a large square surrounded by arcades, and contains a cathedral of the 12 th century : population, F269. There are warm sulphur-baths, which were celebrated in the time of the Romans. Mondoñedo, 50 miles W. by N. from Coruña, is situated in a cultivated valley on the high lands of the Sierra de Mondoñedo. It is the see of a bishop, suffragan of Santiago, and contains a cathedral, begun in 1221: population, 6000. Orense, 45 miles S.E. from Santiago and 55 miles S.S.W. from Lugo, is the capien of the province of Orense. It stands on the left or eastern bank of the Mino, on a gentle ascent, and girdled by hills. It is the see of a bishop, suffragan of Santiago, and contains a cathedral begun in 1220. The streets are narrow and gloomy, but clean. It is frequented for its hot springs, which gush out of a granite rock on the west of the town almost boiling, and are applied to many uses besides medical ones : population, 5000 . Pontevedra, 75 miles S.S.W. from Coruña, is situated on the south bank of the Lerezo, at its eutrance into the Ria de Pontevedra. There is a long bridge here over the Lerezo, whence the name Pontevedra (Old Bridge). The town is surrounded by walls, is well built, well paved, and clean, and has a convenient harbour for small vessels: population, 4550. Santiago de Compostela, formerly the capital of Galicia, 43 miles S. from Coruna, is situated on the north bank and near the source of the Sar, an affluent of the Ulla. The town is built round the celebrated cathedral, which was said to contain the body of St. James the Apostle (Sant Iago): the name Compostela is from 'Campus Stellie, 'because a star was said to have pointed out the spot where the body was to be found. It was formerly a place of pilgrimage of greater sanctity and frequented by greater numbers than any other place in Spain. After the Reformation the numbers began to diminish. It is the see of an archbishop, and contains the cathedral, 2 collegiate churches, and 15 parish churches, and is still visited by considerable numbers of devotees. Its numerous convents were plundered by the French in 1809, and have since been suppressed. Each of the four fronts of the cathedral looks to an open plaza. The grand façade, or western front, is modern. The body was completed in 1128. The cloisters are grand ; they were completed in 1533 , by Fonseca, afterwards bishop of Toledo. In one of the plazas is the Hospicio de los Reyes, the hospital for pilgrims, a fine structure built in 1504. There are several other public buildings, fountains, and other objects worthy of inspection. There are some manufactures of cottons, hats, leather, and hosiery, but the importance of the place depends chiefly on its ecclesiastical establishments. The population in 1845 was 28,970 . Tuy, 42 miles S.W. from Orense, is a frontier town situated on the north bank of the Miño, opposite to the Portuguese town of Valença. It is walled, but of no great strength. It is the see of a bishop, cuffragan of Santiago, is regularly built, and contains an old strongly-built gothic cathedral, begun in 1145; the cloisters, of much later date, are very fine. The climate hore is delicious, and the country very fertile, nnd produces much excellent wine. The oranges and other fruits rival those of Andalucin: population of the town, 4000. Vigo, 15 miles N. by W. from Tuy, stands on the south shore of the Ria de Vigo. It has a good port, which was of great importance previous to the formation of the naval establishments at Ferrol. The town is inclosed by walls, with a trench, and is defended by two castles, which crown the heights behind it. It contains a large modern church, a theatre, and a lazaretto; and there is a pleasant Alameda, or public walk. It has a good export trade in wine, maize, and bacon, and an active pilchard fishery. It was much injured by the attacks of Drake in 1585, and by Lord Cobham in 1719: the population of the town is about 4000 .

Inhabitants.-The Galicians (Gallegos, in Spauish) arc a hardy, industrious, and docile people. In their habits they resemble their ueighbours the Portuguese rather than the rest of the Spaniards. They speak a dialcet which has considerable resemblance to the Portuguese language. Many of them visit Portugal, and numbers may be seen in the strects of Lisbon and Oporto employed as porters and watcr-carriers; and they have an established reputation for honesty. The population of Galicia is almost entirely agricultural; landed property is much subdivided, and the great majority of the pcople do
not live in towns aud villages, as in most other provinces of Spain, but in detached dwellings on their lands and fields.
(Miñano, Diccionario Geografico de España; Madoz, Diccionario de España; Ford, Handbook of Spain.)

GALILEE. [Palestine.]
GALITSCH. [Costroma.]
GALL, ST. (Sankt-Gallen), a Swiss canton, is bounded N. by the canton of Thurgau and the Lake of Constance, E. by the Austrian province of the Vorarlberg, S. by the cantons of Grisons and Glarus, and W. by those of Schwyz and Zuirich. Its area is 758 square miles, and its population at the end of March 1850 amounted to 169,508 , of whom 105,370 were Catholics, and the rest, with the exception of some Jews and foreigners, were Calvinists. St.-Gall is a new canton, which was formed at the beginning of the preseut century by the union of the territories of the Abbot of St.-Gall with the free town of St.-Gall, and several districts formerly subject to the old cautons, namely, the Rheinthal, Sargans, Werdenberg, Utznach, Gaster, and Sax, and the town of Rapperschwyl. By the union of so many various districts which happened to be situated all round the old canton of Appenzell, that canton is now inclosed on every side by the territory of St.-Gall. The spoken language of St.-Gall is a dialect of the German, resembling the Swabian.
Surface.-The canton of St.-Gall is in great part a mountainous country, being intersected 'by various offsets of the Alps, the highest of which are continuations of the great chain which bounds on the north the valley of the Upper Rhine in the Grisons country, and which on entering the territory of St.Gall at the summit called Scheibe ( 9000 feet) divides into three branches-one running uorth along the frontiers of Glarus as far as the south bank of the Lake of Wallenstadt; another eastward between St.-Gall and the Grisons, forming the summit called Galanda ( 8800 feet high) ; and the third extending north-east into the canton of St.-Gall, between the rivers Tamina and Seez. North of the Lake of Wallenstadt is another chain running in a north-west direction, which divides the basiu of the Linth from that of the Thur, and contains several summits between 6000 and 7000 feet high. North of the Thur, and between it and the Lake of Constance, is another extensive group of mountains known by the uame of Alpstein, which cover nearly the whole of Appenzell, and extend also into the adjacent districts of St.-Gall. The general slope of the surface is towards the north and northwest.
Rivers.-The Rhine, comiug from the Grisons, touches the canton of St.-Gall near Pfiffers, and flowing northward forms its eastern boundary for a length of about fifty miles, dividing it first from the Grisons and afterwards from the principality of Lichtenstein and the Vorarlberg, until it enters the Lake of Constance below Rheinek. Its principal affluent in the canton of St.-Gall is the Tamina, a rapid Alpine stream which rises in the Scheibe, crosses the south part of the canton, passes by Pfaffers, and enters the Rhine below Ragaz. The Seez rises also in the south part of the canton, runs first northeast and then north-west, and enters the Lake of Wallenstadt. The Thur; which rises in the central part of the cantou near Wildhaus, runs northward through part of the fine district of Toggenburg, passes Lichtensteig, receives the Necker on its right bank, and after a course of about forty miles enters the canton of Thurgau and the canton of Zuirich, through which it flows in a north-west direction, and falls into the Rhine on the left bank in the latter canton. The Sitter, coming from the canton of Appenzell passes near the town of St.-Gall and enters Thurgau, where it joins the Thur at Bischofszell. The Goldach, which rises also in Appenzell, runs into the Lake of Constance. The north and north-west districts of the canton towards the borders of Thurgau are mostly level, as well as the banks of the Linth, between the lakes of Wallenstadt aud Zürich, where an extensive marsh has been drained by means of the Linth Canal.
The agricultural produce of the canton consists chiefly of wine, fruits in great abundance, especially apples and cherries, some corn, maize, potatoes, and pasture. The corn produced is not sufficient for the home consumption. There are cousiderable forests in the southern part of the cauton, and much wood is exported. The domestic animals are oxen, sheep, goats, pigs, and horses, all of which enter into the exports of the canton; the rivers and lakes abound with fish and water-fowl. There are rich iron-mines at Gunzenberg, and coals aud turf are found in several districts. Manufactures constitute an important branch of industry. From the 13th century the town of St.-Gall was famous for its linen manufactures, but these have been in modern times replaced by the manufacture of cottou goods and especially muslins. Muslin and other cotton fabrics are also largely manufactured in the Toggenburg, which comprises the long and fertile valley of the Thur from Wyl in the north-west of the canton to Wildhaus, the birthplace of Zwinglius, which stands at the foot of Mont Sentis, at the head of the valley, on the watershed between the Thur and the Rhinc. There are in the canton also numerous bleaching establishments, glass-works, and wax-bleaching factories. The women are also employed in embroidery. The tanneries have fallen off of late years. About 3000 bullocks' hides and 2000 goats' skius are exported annually. The principal imports are corn and other provisions, raw cotton, and other materials for manufacturing purposes. The town of St.-Gall is a place of great trade with Germany and

Italy. and numbers some wealthy merchants, manufacturers, snd bankers among its population.

The canton In divided luto 15 districta, mamely :-St.-Gall, Tablat, Ronchech on the thuks of the Lake of Constance, Uuter 1Beinthal, Ober Rheinthal, Werdenberg, Sargana, Gaster, See Bezirk (or lake Circle) on the banke of the Lake of Zurich, Ober Toggenhurg, Unter Toggenburg, Alt Togheuburg, Nen Togrenburg, Wyl, Goenau. The Guent dietriet are the Rheinthal, Rorechach, St.(Gall, Wrl, the grenter part of the Toggenburg, and the See Bezirk: the remaining or southern districts aro mountainous

So. Gall, the capital of the canton, situated in a plemant valley on the Steinseh, is a well-built town, well suppliod with water, and contains 11,220 inhsbitarts. It is still surrounded by old walls, but the ditch haw been filled up and couverted into gardens. The principal buildings aro-the shber-church, now the cathedral, one of the finest in Switmerland, with handsome paintings; the gymnasiunn, the asembly-room, the town-house, several hospitals and asylums, and the public gransries. The old abbey library has above 1000 manuscripts, many of them valuable; several of the classies which wero considered as lost were discovered in tho middle ages in this library. The shbey-bnildings are now used for the gymnasium, and the abhot's honse for public offices. St.-Gall is one of the most commercial towns of Switzerland. The environs are cmbellished with numerous country honses and promenades. St-Gall is 40 miles E. from Zürich and 45 miles N. from Coire in the Grisons. The town sprung up round a cell founded here in the rth century by St. Gall or Gallen, an Irish monk, who taught the people agriculture and Christinuity. An abbey rome over the cell fifty years after the death of the saint under the suspices of Pepin l'Heristhrt, and became a celcbrated school from the Sth ceutury. To the labours of the monks of St.-Gall are owing the preservation of the works of several of the classical authors. The insecurity of the times from the beginning of the 11 th century compelled the abbot to fortify his monastery, and frequently he and his monks sallied forth sword in hand against their assailants. The revenues of the abbacy increased in time so cousiderably, that the abbots became territorial lords of a considerable portion of northern Switzerland, and ranked as princes of the empire. In the beginning of the 15 th century Appenzell threw off the yoke of the abbot; and the town of St.-Gall, which owed its origin and prosperity to the abbey and its inmatee, became restive under the rule of the abbots, and gained its independence at the Reformation. At the French revolution the shbey was seeularised, and its revenues were soon after sequestrated. The last abbot died in 1829 in the convent of Muri.

Rappertacyl is prettily situated on a peninsula projecting into the Lake of Zurrich: a wooden bridge, 4500 feet long, crosses over to the mouth bank of the lake. The town has some manufactories and about 1500 inhabitants. Allatälien, in the Upper Rheinthal, in the midst of a fertile country, is a place of some trade, with sulphur springs, and sbout 2000 inhabitante, who manufacture muslins. Rheinek, in the Lower Rheinthal, on the left bank of the Rhine, has about 1500 inhabitauta: the red wine made in the neighbourhood ranks high anong the wine of Switzerland.

The goverument of St.Gall is a democracy. The mambers of the Great Council are chosen in their respective districta by the citizens sbove twenty-one year of age. They are elected for two years. The Great Council appoints from among its body the menbers of the Little Council or executive for four years. It also appoints thoee of the criminal court and of the conrt of appeal. The citizens of each diutrict appoint every year their own amman, or prefect, and other local authorities The constitution of St. Gall is one of the mont democratic arnong the representative cantons of Switzerland: it appronches nearly to that of the pure democracies of the little cautons. The reverues of the state are derived from the income-tax; licences for shops, public-houses, and sporting; stamp-dutics, tolls, monopoly of alt, post-office, and national domains. Under the new coustitution of Switzerland the canton of St.-Gall returns eight members to the National Council. [Switzerland.]

GALLARDON. [EURE-ET-LOIR.]
GaLIatOWN. [Firzainie.]
GALLA-TRIBES [ABYainia.]
GALLE, l'OINT DF, a town, fort, and harbour on the south coust of the inlaud of Ceylon, 52 miles S by 1 k fron Colembo, in situsted in $6^{\circ} 1^{\prime} \mathrm{N}$. lat., $80^{\circ} 10^{\prime}$ F. long. The town and fort are buitt on low rocky promontory named the Polnt de Galle. The hartour is formed between the point, which extends towards the east, and a priece of land sloping inwards from the west, thus forming a amall tuy. The entrance to the bay la about a mile wide, hut as there are many rock in it a pilot ln required to take the ressel to the anchorage, which is abreast the towu in 5 fathoms depth of water. There in a pior; a jotty was constructed in 1847, and a new wharf iu 1853. The lncrense in the number of nteam-vensels calling at the port chielly to take in coals his caused various proposals to be made for lenproving the barbour, but funds are wanting. The fort, bsilt ly the lutel, la upwards of a mile in aireumference, and contaius acveral large and commodions housen luhabited by liuropeans. The town, or pettah, inhahited by uatives, is extenfive, contains many nent hounes, and has a large population. The goverument schools rasintained bere include an clementary mehool with 41 scholar in

1852, a mixed school with 144 scholars, and a superior school for femalee which liml 88 pupilh in 1852. An iron lighthouso, countructed iu London, was erected in 1848 ; the total beight of the light ahore the ses is 103 foet. The mailentemmers stop at loint de Galle, and the letters, sco, are forwariod immodintely to Colombo, whence they are transmitted to all parta of Ceylou. Letters caken by ateamers from Poiut de Galle reach Madras in three days and Calcutta in uine days. Bombay ls reached hy steaur-vessel in oix dsys.

GALI.1'I'OLI, the ancient Callipolis, in the Thracian Chersonenus, a town of liuropens Turkey, is situated on the northern shore of the enstern extremity of the Dardanslles, ancieutly deuominated the Hellospont. Gallipoli is situated on a penuiusula, and has two harbours, which are frequently the reudervous of the Turkish flect, of which the port is one of the chief atntions. It was selected as the landing-place and depot of the first detachmeuts of the Britiah and Freach troops sent in the spring of 1854 to assist the l'orto iu the war with JRussia Gallipoli occupies a considerable apace: the population is variously estimated; the number of residents doea not probably exceed 20,000. The population includes Turks, Armeninus, Jews, and some Greeka. It has an extensive baznar, with domes covered with lead, and the shops aro tolerahly well supllied. The dwellings aro destitnte of comfort, and the strects are kept in a dirty state. Some improvement was effected iu the appearance of the town in May 1854 by the allied troops, partieularly the Freuch, who set to work to write up names on the cornens of the streets and to number the honses, and otherwise to introduce something like regularity. The trade of the town is chiefly in corn, wiue, and oil. In the vicinity some profitable cultivation is carried on, hut not to any grest extent. Excellent water-melons grow in the neigh. hourhood. Gallipoli is interesting as being the first place in Europe where the Turks acquired dominion, having heen taken by them in 1357. There are several ancient remains in the toyn and neighbourhood, of which the most noticeable are the magazine and cellars built by Justinian, and the turnuli to the south of the city, which are said to be the tombs of the Thracian kings, The only defences of the town are an old square castle and tower, probably built ly Bajazet. Gallipoli is the see of a Greek bishop. Several forcign consuls reside in the town. Numerous steam-vessels, English, Freneh, Austrian, and Tarkish, call at Gallipoli on their passage to and from Constantinople.
GALLIPOLI. [OTranto, Terra Dl.]
GALLOWAY, an extensive district in the south-west of Scotland, comprising the shire of Wigtown and stewartry of Kirkeudhright, with part of the shires of Ayr and Lauark. It appears to hare been independent until the overthrow of the Picts, wheu the Scottish monarchs assumed a feudal superiority over the lords of Galloway. The lordship subsequeutly desceuded to the fauily of Douglas, with whom it remained till 1455, when, by the rebeltion of James, earl of Douglas, the estates became forfeited to the crown.

GALSTON, Ayrshire, Scotland, a amall market-town in the parish of Galston, on the left bauk of the river Irvine, 22 miles S . by W. from Glasgow and 5 wiles E. from Kilmarnock hy road ; and 39 miles from Glesgow by the Glargow and South-Weatern railway. The population in 1851 was 2538. The inhabitants of the town are chictly cotton weavers. Besides the parish chureh there aro chapels for Free Church and United I'resbyterian cougregations; and an Fudowed school. In the town is the ancieut castle of Barr. In the neighbourhood are the remains of a Roman camp, and vestiges of a stoue circle Loudon Castle, the seat of the Marquis of Hastiugs, is near the town.

## GALT. [CASARA.]

GALWAY, a $u$ uaritime county of the province of Connaught, in Ireland, lics between $52^{\circ} 55^{\prime}$ and $53^{\circ} 42^{\prime}$ N. lat., $7^{\circ} 53^{\prime}$ and $10^{\circ} 17$ W. loug., rud is bounded N. by Mayo and lRoscommon, E. hy King's county and Tipperary, S. by the county of Clare, and W. hy the Atlantic Ocean. The extent of coast, which is very irregular, has been estimated at 400 miles; and the Shaumon and Suck, both navigable rivers, form the castern boundary of the county. Its greatest length from cast to west is 164 miles, from uorth to south 52 uiles The area comprises $1,566,354$ acres, of which 742,805 are arahle, r08,000 uncultivated, 23,715 in plantatious, 1801 in towns, aud 90,030 under water. The county of Galway is the largest in lrelaud except Cork; its population in 1851 was 293,504 , exclusive of Galway towu.

Surface, Hydroyraphy, and Communications.-With the exception of the Slieve-Baughta Monutain, which cover the south const of the county from tho Clare boundary to Loughrea [Clank], and an extensiou of the Burrin Mountains on tho south-west, the whole of that part of Galway which hes east of Lough Corrib is comparatively flat, and although to a great cxteut encumbered with bog, ls pretty geaerally improved and productive. A law tahle-lsud running north and aouth and joining the Slieve-Dart Mlountaius on the northern houndary separato this jart of Galway iuto two uearly equal districts, the waters of one of which ruu eastward into the Suck surd Shannon, and those of the other westward into the head of Galway Bay and Lough Corril. The district of the Suck is nost eucumbered with bogs; it contains zuch well-improved land, particuJarly in the neighbourhood of Ahascragh and Ballinasloe. The distriet extcnding castward from the head of Galway Bay is the richeat part of the county. The surface of the county east of Lough Corrih is
more diversified with hill and dale, and is generally in a good state of cultivation. The centre of this eastern district is a bare flat tract disfigured by numerous bogs and very inferior in fertility to any of the other portions.
The district west of loughs Corrib and Mask has latterly attracted much attention in consequence of its capabilities of improvement. and the wildness and beauty of its scenery. The most prominent object in this district is a group of conical mountains called Binabola, Burabola, or Twelve Pins, rising abruptly from a table-land of moderate elevation which stretches south and west from their bases to the eea. Round their bases are numerous lakes, of which the chief are Lough Inagh, under the eastern front of the group; the upper and lower lakes of Ballinahinch skirting them on the south, and loughs Kylemore and Foe lying on their northern declivities. Tho arerage height of these mountains is about 2000 feet; the highest suramit is 2395 feet above the sea, and as the table-land from which they riee is only of moderate elevation, their appearance is very striking. A fine view of these mountains, of the glens that divide them, and of the lakes at their feet, is commanded by the beautiful isolated hill of Coolnacarton, 900 feet, ou the western shore of Lbugh Inagh and at the bottom of Glen Inagh. Northward and eastward from the Binabola, but separated from them by a deep glen which is traversed by the road from Oughterard to Renvyle are the MaamTurk Mountains, a range of equal altitude, but not of so picturesque a character, extending between the head of Killery harbour and the western ehore of Lough Mask. About midway between these waters lies Lough Nafooey or Neffoy, which has an outlet to Lough Mask and is surrounded by mountaine above 2000 feet high ; the highlands north of this lake to the boundary of Mayo are entirely uuinhabited. The chief elevations of thie group on the weet are Shannonafola, about 2000 feet high, at the head of Lough Corrib; Ben Leva, the declivities of which form the isthmus between Loughs Corrib and Mask; and the range of Maam Trasna overhanging the western shore of Lough Mask. Along the western arm of Lough Corrib, there ie a smell plain from which the hill of Glan rises abruptly to a height of 1060 feet. To the north of this hill is a remarkable chain of lakes stretching westward from Lough Corrib to near the head of Birterbuy harbour. These lakes lie in the hollows of a great bed of granite, extending southward from the Binabola Mountains to the shores of Galway Bay and the Atlantic, from which the county gradually rises to about 300 feet, with hills to the north-east nowhere exceeding 700 feet, and presents a most bleak, dismal, and dreary appearance-vast bogs, barren moors, lakes, and morasses. The, district just described is now geographically known as 'Connemara;' among the Galwegians, however, that name is applied to the country which lies west of a line drawn from the head of Killery harbour along the ridgo of the Maam Turk Mountains to the summit of Shannonafola and thence to the head of Kilkerran Bay. The mountainous district east and north of this comprising the isthmue between Lough Corrib and Lough Mask is called the 'Joyee Country.' The low granite country south of both the preceding is called 'IarConnaught,' or Western Conneught.
The islands off the coast of Galway are very numerous: the chief are the three south islands of Arran, lying about midway between the coasts of Iar-Connaught and Clare, in the opening of the Bay of Galway; Geromna Islend between Greatmen'e Bay and Kilkerran Bay; and the islands of Innisturk, Innisboffin, and Innishark, which extend across the offing of Killery harbour, between the coasts of Connemara and Murrisk, and belong politically to the county of Mayo. On the highest point of Inishmore or Arranmore Island, 498 feet abovo the level of the cea, there ie a lighthouse with a revolving light, which in clear weather can be eeen at a distance of 28 miles. There are also lighthouses with fixed lights on Slyne Head in Connemara, and on Mutton Island in Galway Harbour.
On the eouthern side of the Bay of Galway the coast is not favourable for the construction of harbours. From Burrin Quay, or New Quay, in the county of Clare, to Kinvarra, at tho enetern extremity of the Bay of Gal way, there ie no place of shelter for craft except at Killeany in Arran, and Duras Pier on the peninsula of Duras, which is situated between Kinvarra inlet and the county Clare, oppoeite the town of Galway. The creek of Ballynacourty which opens into Kilcolgan Bay, and Renville Creek, 5 milee E. from Galway town, are good harbours for small vessels, and the harbour of Galway has lately been mnch improved. Westward however from Galway, and round the entire coast of Iar-Connaught and Connemara (so named from Cun-na-mar 'bays of the sea') to the boundary of Mayo, there is a succession of harbours for vessels of the largest class, unequalled perhaps on any similar extent of coast in Europe. The first of these noble roadsteads next Galway is Costello Bay, at the mouth of the celebrated fishing stream the Costello. This harbour admits large shipe, and is defended by h. Martello tower. Casheen Bay, Greatman'e Pay, and Kilkerran Bay occur immediately west from the Costelio, being separated from one another by narrow proninsulas and islands. Kilkerran Bay contains 100 miles of shore, and is capable of roceiving the largest vessels. A pier, 500 feet in length, with a return of 100 feet, was constructed here in 1822. An extensive peninsula, 10 milcs by 7 miles, and interepersed with lakes, extensates Kilkerran Bay from the Bay of Birterbuy, which runs
inland about 5 miles, being only half a mile wide at the entrance, and from 2 miles to 3 miles wide within; it has deep water and fine ground. On the western side of the entrance to Birterbuy Bay is the opening to Roundstone liarbour, a eafe and capacious inlet, with clean good ground, and 2 to 5 fathoms water. At the entrance of the Ballinahinch River into the head of the harbour there is an excellent salmon fishery. A considerable village has recently eprung up at Roundstone; a road runs hither from the main line of communication between Galway and Clifden, and the harbour is the nearest point for the shipment of the fine green marble of Ballinahinch. From Birterbuy the coast stretches, with occasional anchorages, to Slyne Head, the most western point of Galway; off Slyne Head lie a number of islands with navigable sounds bet ween them, which remained unnoticed in the maps till Mr. Nimmo'e const survey. Between Slyne Head and Achris Head occur the baye of Mannin aud Ardbear; the former poseeseing good anchorage, but exposed, and the latter forming an excellent harbour with aafe anchorage in 6 to 8 fathoms water. At. the head of this harbour a considerable town has recently grown up. [ClifDen.] North of Clifden harbour is Cleggan Bay, an excellent roadstead, with a pier built in 1822, to which a branch of the new coast-road has been extended. Between Cleggan Bay and Cape Renvyle, which forms the southern boundery of the cntrance to. Killery Bay, is the harbour of Ballynakill, well sheltered by the island of Truchelaun, and capable of receiving vessels of the largest class. Rounding Cape Renvyle there is an opeu bay, from the head of which two inlets run eastward between steep mountains. These are the Great and Little Killeriee; the latter an arm of the sea, about 12 miles in length, by a quarter to three-quartere of a mile in width, having for a great part of ite length 10 to 12 fathome of water and clean ground. An island at the mouth completely protects it from the sea, but from being overhung on each side by steep and lofty mountaine it is exposed to squalls, and not safe for sailing boats. The scenery of the Great Killery is much admired, and considered to approach nearest to the Norwegiau 'fjords' of any in these islande.
No part of the district weet of Lough Corrib is more than 4 miles from existing means of navigation. The harbours fit for veseels of any burden are upwards of 20 in number; it contains 25 navigable lakes of a mile or more in length, and hundreds of emaller size. Lough Corrib and Lough Mask alone have upwards of 70 milee of navigable coast; and all these waters abound with fish. The seaehore affords a constant supply of red and black seaweed, which is used as manure, and is largely exported for that purpose, or iu the manufacture of kelp, of which very large quautities are made. Bauks of calcareons saud and beds of limestone are of frequent occurrence. There is an inexhaustible supply of peat fuel, which is an important article of export, and the numerous mountain streame furnish a most abundent supply of water-power. Notwithstanding these capabilities, if the neighbourhoods of Clifden and Roundstone be excepted, the population of all this western district ie chiefly scattered along the coast or in the islands, leaving the interior almost wholly waste. During the famine of 1847 the inhabitants euffered dreadfully, and want and mieery almo'st completely stifled the few germs of industrial progress which were gradually raising this remote people to a state of comparative prosperity. Since that terrible year great exertione have been made to promote the fisheries; better built boate and superior tackle have been introduced, and eeveral piers have been crected on the coast and among the islauds for the greater security of the life and property of the fiehermen. The operation of the Encumbered Estates Act has produced a considerable change in thie district; the great Martin estate, the largest in the kingdom, and the Darey estates, have been eold to new proprietors; and English farmers have beeu attracted to Connemara as likely to prove a highly remunerative field to the skilful agriculturist.
The rivers of Galway, being either feeders of the Suck aud Shannon, or descending by short courses from the western district to the sea, are in general small. The Clere-Galway River, which riees near Dunmore, in the north-east of the county, and paseee near Tuam, has a course, from ite source to ite termination in Lough Corrib, of about 50 miles. South of Tuam it expands into a periodical lake or 'turlough;' the waters generally rise in September or October, and do not subside until May, after which a coarse grass springs up, which is generally grazed as a cominou by tho tenants of the adjoining land. In the limestone districts ere numerous eubterranean cavities, which in some instances absorb considerable rivers. The Shrule, on the northern border of the county, dips underground, and omerges before it terminatee in Lough Corrib. The cntire waters of Lough Mask also pass more than 2 miles by eubtcrraneoue channels under the isthmus of Cong into Longh Corrib. The lakes of Loughrea and Gort are fine sheets of water; the latter has well-wooded banke, and the scenery in its vicinity is very pictureeque.
The Shannon is navigable all along the eastern boundary. An extension of the Grand Canal connects Ballinnsloe with the line to Dubliuat Shannon liarbour. A uavigable canal is in progress, to unite Lough Corrib with Galway Harbour, and to form part of a water communication to Lough Mask and the navigable lakes in Mayo county. The Midland Great Western railway affords commuuication between Dublin and Galway. Prior to 1813, the' only roads

Test of Galway were a marrovi constroad to Costello liay and a central road by Oughterard to lallinabinch. Since then, a geod const-rond has been formed, which touches the heads of all tho chief iulcts from Costello lay to tho Killery, whero it joins an inland line leadiug through the heart of Joyce Country to the heed of Lough Corrih, and thence across the central plain of lar-Connauglit to tho southern constroad at Costello Bas. The constrnction of numerous piers and firhing harbours on the const, has greatly facilitated the improvement of the wost country. Galway town is counected by good mail-conch roads with Dublin through Ballinasloe, whence another mail-rond ruus uorth-west through Tuain to Westport; with Limerick through Gort; and with Clifton through Oughterard. Besides those, there aro numerous good cross ronds.

Gcology, Mineralogy, dec.-The whole country westward from the Shannon and the Suck, including a narrow helt rlong the western shore of Lough Corrih and the isthmus betweeu loughs Corrih and Alask, belong to the great central limestone plaiu of Irelaud, with the exception of the Slieve-Baughta and Slieve-Dart Hills, which consist chiefy of old red sandstone and millstone grit, The granite field beforo noticed stretehes westward from Galway to Slyme Heal, and northward to the southern base of the Twelve I'ins, where it is succeeded by gneiss and mica-slate, with beds of horublende and granular limestone running east and wast from Lough Corrib to Clifden. The group of Biuabola consists of a schistaso quartz of a grayish-hrown colour, large shects of which are exposed on the precipitous sides of all the chief eminences. On their northern bases the limestone, which shows along their sonthern side, disappears ; and the mica-slate and hornblende rise beyond Kylemore aud the passes of Manm Turk into the southern mountains of Joyce Country; these are succeeded, more northward, by a transition tract of greenstone and granwacke slate, covered by old red-sandstone aud conglomerate, constitutiug the entire country between the head of Killery laarbour aud Lough Mask, and extending beyond the bounds of Galway into the mountain ranges of southern Mayo. Westward of the Binahola, the county, with the exception of the hill of Ienvyle, which is a mass of quartz, consist principally of mica-slate traversed by beds of granular limestone, and in somo places by veins of granite. To the east the range of mountains rising from the northern edges of tho granite tract terminates in the hill of Glan; into the structure of this hill all the formations of the distfict enter.

The mountains of the primitivo district are highly metalliferous. The meighbourhood of Oughterard is rich in copper and lead; aud the same ores exist in the group of Binabola Fine green marhle is quarried at Ballinahinoh at the southern base of the Binabola, and a beautiful green variegated marble is exported from Oughterard; the hlack and variegated marbles of Angliham and Merlin l'ark near the towu of Calway are of a superior quality. In tho enstern district ironstone lias been found at Woodford, Gort, and Lawrencetown. Manganese is of frequent occurrence in the district about Gort. Potters'-clay and yellow ochre are found near Atheury. A fue grit, fit for millstones, is raised nenr Dunmore; aud the Slieve-Baughta Mountaius afford an excellent stouo for polishing marhles.

Climase, Soil, and Ayriculeure. -The climate is mild, damp, and in sonne low districts unhealthy; snow rarely lies in the western district, where cattle are never housed. The const is exposed to very lieavy storm from the Atlantic, which, when they occur in August, generally destroy the potato crop on the coasts and islands, causing thone occasional famines which scourge the population of the western coast of Irelaul.

The richest soil in the couuty occurs in a tract extending from Gort through Loughren to I'ortumne, Eyro Court, and Ballinasloe. The wheat produced in the southern portion of this tract is of a superior quality; and the numerous demesne lands occurring throughout it are among the most fattening pastures in I reland. The remainder of the eastern district is moro an ost and barley country. On the lighter woils great mumbers of sheep are fed, principally for the supply of the Leinster grazicrs, who purchase them for fattening, at the fairs of Ifllinasloe. Throughout this district marl is of frequent occurrence. Throughont the entire county, with the excey,tion of demesncs, the dry-stone wall in the provailing feuce.
Large quantities of bog have from time to time been reclaimed. The nystem of farming pursued in the connty is in general slovenly; the mystem of green cropm and turnip husbavdry is gradually extending; hut tho farmers who adopt new methods torm a sinall minority. The number of acrew under crops in 18.53 was 235,168 , of which 10,817 grew wheat; 83,840 onts ; 15,751 barley, here, rye, pean, and beans; 46,184 [10tatoes; 18,288 turnips; 10,764 cobbage, vetchen, and other green cropls ; 794 flax; mad 15,780 wero in meadow and clover. Iu 1851 the total extent of platations mononnted to 20,540 neros. On 37,223 holding in 1851, thore wero 23,086 horses; 12,490 mules and assen; 115,668 cnttle ; 327,697 sheep; 30,178 pigs; 11,711 gonts; and 326,016 liend of poultry:
lhallinasloo fair, tho great fair for stock in tho countr, is frequeuterl by sellers from all the western parts of Ireland. The oecupations of the population are chiefly agricultural ; but the inhabitants of the sea const aro mostly engaged in fishing. Coarse lineme, friczes, woollen hoaiery, and fclt hata, are manufactured; and kelp is made in large quantities on tho coast.

Fisheries. The fisheries of tho const Field a considerable prodnce.
he fishing districts aro Galway and Clifden, comprising together The fiuhing districts aro Galway and Clifden, comprising together
217 milea of coast, which land in 1536 one decked vessel, 116 halfdeeked, 179 opea sailiug boats, and 1376 row boats, mannod by 8539 uen and boye; while in 1850 there wero ouly 888 fishing-vessels, employing 3500 men and boys. Beaides the herriug fishery, there is an excellent take of corl, liug, baldock, whiting, and tarbot, from December to March ; and of guruet, mackerel, bream, aud polluck, from May to August, together with a copious supply of saluon, oysters, lobsters, and crabs The sun-fish deep-sen fishery is peculiar to this coast. The suu-fish, or basking-shark, has its name from only appearing ahont sun-rise and sun-set, at which times it is distinguislsable by its tail and hlack-fins protruding from the water. It in killed with the harpoon like a whale; and as it is 30 feet in leugth, and b tous in weiglit, fipe or six inen are required, for threo hours or inver, to kill a single fish. Several excellent new piere are in prograss of erection for the protection of vessels engaged in the fiskerien.

Divisions and Towns.- Galway is divided into 18 baronies. West of loughs Corrib aud Mask are the haronies of-1, lRoss, nearly coextensivo with the district of Joyce Couutry; 2, Balliuahinch, uearly co-extensive with the district of Counemara; aud 3, Moycullen, correaponding with the district of lar-Connaught. East of loughn Corrih and Mask, the district bordering on Mlayo is ocenpiod by the haronien of-4, Clare; 5, Dunmore; aud 6, Tyaquiu. Tho district bordering on Roscommon is occupied by the baronies of- 7 and 8 , Ballymoe and Killian; 9, Kilconnell : aud 10, Clonmacnoon. The district borderiug on the Shannou has the baronies of-11, Longford; and 12, Leitrim. The district extendiug from tho ceutre of the county to tho head of Galway Bay and to the Claro boundary has the haronies of-13, Athcury; 14, Loughrea; 15, Duukellin; aud 16, Kiltartan. Tho town and neighbourhood of Calway form the barouy of - 17 , Galway; and 18 , the islands of Arran coustituto a barouy and parish in themselves.

The following places in the county which are seats of Poor.Law Unions arenoticed in separate articles, namely, Ballinaslof, Clafden, Galway, Glesivabaddy, Gort, Lovghrea, Moustbellew, Oughti:rard, Portumna, and T'uak. The village of Agirm has alao been separately noticed. Arraumore, the largest of the Arran islauds, lias been described under its more correct designation Inishmore, in the articls Arrari, Isle of.

The following tomns and villages may bo noticed here, with their populations in 1851 :-Ahascragh, a small post aud market-town, situated on the left bank of the Clonbrock River, a feeder of the Suck, 7 miles N. W. from Ballinasloe: population, 680 . The town, which is clean and nent, possesses a handsome church, and a IRoman Catholic chapel. On the high grounds above the town are the beautiful demesne and mansion of Castlegar. Afhenry, one of the most ancient towns in Connaught, situated in a Hat, dreary couutry, 14 wiles $E$, from Galway : population, 14S7. It is said to have existed previously to the Norman invasion; it suhsequently gave the title of baron to tho family of the De Berminghams, who built a stroug castle near the town; of the castle there are still some remains. There aro also extaut some portions of a Dominican monastery founded here by one of the De Berminghams in the reigu of John. The walls aud gates which iuclosed the aucient town may still be traced. Athenry returned nembers to Parliament from the reign of 13ichard II. till the Union, when the borough was disfranchised. It is now a poor desolate lookiug place; it has, however some share of business in consequence of the fairs, weekly markcts, sud yetty sessions, that are hold in it. Barna, population 482, besides 1009 in an auxiliary workhouse, is a small tishiug villagc, situated at the head of a creek of Galway Bay, about 4 miles W. by S. from Galway. The pier at this place is of considerablc advantage to the shipping on the coast. Near the town are somo remains of an old castle Clare-Galway, a small village on the Clare liver, 7 miles from Galway ou the roal to Tuam, is only remarkable for the ruins of an old castle of the De Burghos, and for the remaius of a Franciscau monastery fonnded in 1290. Clonfert, about 3 miles N.E. from Eyre-Court, had, uutil lately, the title of \& city, and was the seat of a bishop. The city, the surallest perhaps in the world, stands on a rising ground ou the edge of a vast bog, and comprises the former palaco, an ordinary lookiug country house; the ex-cathedral, now the parish cliurch, a sumall structure of the 12 th century, and dedicnted to $S$. Brandan; a ruised claurel of still more ancient date; and a fow cahina. The bishopric, founded in the 6th contury, was united in 1602 to tho seo of Kilmacduagh, and both sees were auncexd to those of Fillaloo and Kilfenora by the Church Temporalities Act. The diocese of Clonfert lies elsielly in Galway, but comprises abso parts of King's County and lascomnon The chapter consists of a deau, archdencon, and 5 prebeadaries; tho number of benefices is 11. [Kirlalok.] Drnmore, situated in a rather pretty country on the Dunnore River, a feeder of the Clare, contrins a olhurel attaclied to tho ruins of an ancient monnstery, tho remains of an old castle built by tho De lberminghann, a ISoman Catholic chapcl, a conrt-house, and nan iniautry barrack. It is a post and market-towu, with 880 inhabitanta Byre-Court, a market- and post-town, is situated $9 \leq$ miles S. by 1\%. from Balliaraloe, on rising ground, overlooking n dreary waste of low boggy country, and has a bridewell and 010 inhabitants. Headford, population 1105 , about It
milea N. from Galway, is a market- and post-town, cleau and tolerably neat in appearance. The chicf buildinga are the sessions house and a chapel for Roman Catholica. There are a handsome mansion and a glebe house, with well-wooded gronnds in the vicinity. Kinvarra, a post-, market-, and sea-port town, is sitnated in a hilly country, at the head of Kinvarra Bay, 12 miles S.E. by S. from Galway, and has 1102 inhabitants, many of whom are engaged in fishing, and in the importatiou of turf from Connemara. Coru is exported in small craft from the quays. The town is tbe residence of the Roman Catholic bishop of Kilmacduagh and Kilfenora; the Roman Catholic chapel is the most important public building. Menlough, population 764 about 2 milea N. by W. from Galway, is a poor village situated on the left bank of the Corrib River. In the vicinity is Menlongh Castle, the seat of Sir Valentine Blake, Bart. A quarry of black marble is in the neighbourhood of the village. Oranmore, a small post-town 6 miles E. from Galway, population 627 , stands at the extremity of an inlet from Galway Bay, and possesses a large Roman Catholic chapel. Situated at the point of convergence of the roads from the couuty of Clare to Galway town, Oranmore is a considerable thoroughfare. Turf and sea-weed manure are imported at the quay. There are some remains of Oran Castle, a structure erected by the earls of Clanricarde to command the pass. The town has a brisk retail trade, and some share in the fisheries Roundstone, population 471, besides 845 in the auxiliary workhouse, a village founded by the late Mr. Nimmo, is situated on the western shore of Roundstone Bay, 37 miles W. by N. from Galway, and has a Roman Catholic chapel, a mouastery, a National schonl, and a small court-house. The harbour of Roundstone affords excellent anchorage for the largest vessels. From tbe pier the principal exporta are turf, sea-weed, and corn to Galway and the ports of Clare.

Galway county is represeuted in the Imperial Parliament by four members, namely, two for the county and two for the county of tbe town of Galway.
In December 1851 there were 133 National schools in operation in the county, attended by 9620 male and 9495 female children; there are also a mnch greater number of other elementary schools, several classical schools, and, for anperior education, Queen's College in Galway town. Assizes for the county are held in Galway, wbere are the county prison, county infirmary, and fever hospital. For civil businesa the county is divided into two ridings-East and West. Quarter sessions are held in 7 places, and petty sessions in 34.
The connty expenses are defrayed by grand jury assessment. The county is in the military district of Limerick, and tbere are barraek stations at Longhrea, Portumna, Galway, Gort, and Oughterard : the staff of the county militia is quartered at Ballinesloe. The constabulary force in 1852 consisted of 738 , including officers. Loughrea is heal-quarters for the east riding; Galway town for the west ridiug. There are revenue police stations at Galway, Onghterard, Round stone, and Tuam ; and there are 18 coast guard stations, with a total of 74 men and 6 officers.

IIistory, Antiquities.-The Anglo-Norman family of De Burgho and their followers, in the beginning of the 13th century, fixed themselves chiefly about Athenry and Galway, and maintained the administration of English law until the middle of tbe next century, wben the assassination of William, earl of Ulster, led to a revolt of tbe entire Connaught braneh of the De Burgbo family. English law was again introduced by the reduction of this county to sbire-ground by Sir Ilenry Sidney in 1585. Many of the proprietors are of Enclisls desceut; but the great mass of the population are of original Irish descent, and speak the Irish language.

Galway is very rich in antiquities. The remarkable antiquitics of the Arran Isles are noticed under Arran, Isles of. There are romed towers at Ballygaddy, Kilbannon, Kilmacduagb, Meelick, Murrongh, and Ardrahan. Cromlechs and atonc circles are of freqnent occurrencc. The antiquities of tbe episcopal seats of Tuam, Clonfert, and Kilmacduagh are contained within this county. Of the numerous remains of religious louses thronghout Galway, the ruined abbey of Knockmoy is the most interesting. It was fonnded in the year 1189 by Cathal O'Comnor. Above the tomb of the founder are some fresco paintings of great interest, as exhibiting the costume of the ancient Irish. The ratbs or earthen fortresses of the old Iriah and the castles of the Anglo-Normans are very numerous.
GALWAY, Ireland, a municipal and parliamentary borough and sea-port, a county in itself, and the head of a Poor-Law Union, is situated on the north sillo of Galmay Bay, in $53^{\circ} 16^{\prime} \mathrm{N}$. lat., $9^{\circ} 3^{\prime}$ W. long., distant 130 miles W. by S. frum Dublin. The town is governed by a high sberiff, recorder, local magistrates, and a board of 21 commissioners, elected triennially; and returns two members to the Imperial Parliament. The population of tbe town in 1851 was 20,686 , besides 3009 inmates of the workhouse. Galway Poor-Law Union compriscs 26 electoral divisions, with an area of 197,465 acres, and a population in 1851 of 61,397 .
Galway was erected into a separate county by charter of 8 th James I. The county of the town embraces a tract of 24,132 acres, of which 628 acres are in the town. This district is divided into nearly equal parts by the river, which here discharges the waters of Lough Corrib into the sea The town of Galway is built on both sides of this river and on two islands situated in its chanuel ; the main town stands on the left side of the river.

A fortress was erected on the site of the town in the year 1124. On the invasion of the English in 1180, Galway was put in a stato of defence by the O'Flahertys, from whom Richard Do Burgho took it in 1232 ; and in 1270 the walling and fortification of the town were undertaken by the conquerors. About this time the ancestors of many of the present leading families of Galway settled here, and from the entry of customs on the Pipe roll, it appears that tbe place had already become a considerable depôt of foreign merchandise The town continued to iucrease in mercantile prosperity till the middle of the 17 th century. On the final success of the Parlianentarians in 1652, Galway, after enduring a blockade of some months, submitted to Sir Charles Coote. On the breaking ont of the war of the revolntion in 1688, the inhabitants declared for James II. The town surrendered to General Gincell on July 26th 1691.

The walls have been almost entirely pulled down since 1579 , and the town has extended on all sides heyond its former limits. There still remain some of the antique residences, which arc generally square castellated buildings, with an interior court-yard and arched gateway opening on the street. The whole of the old part of Galway bears conaiderable resemblance to a Spanish town. Tbe river is crossed by two bridges; the west bridge, built about 1442, connects the town with Ballymana Island and the opposite suburbs. I'he disposition of the atreets within the circnit of the aucient walls is very irregular, but iu the newly-built portion of the town uniformity and airiness have been more consulted. The new town is built ou a gently-rising eminence stretching down to the river on the west and to the sea on the south. On the sea side a creek of the bay forms a natural harbour, which is the site of the docks. The floating docks occupy about 5 acres, with water for vessels of 500 tous. Tbe spit of land which separates this basin from the river is quayed for a distance of 1300 feet, and terminates in a return pier. A new caual passing throngh the town is to form a communication between the barbour and Lough Corrib. There are also two sunall docks on the river side of the town. The town is lighted with gas, but is badly paved. The outskirts of the town are composed of hovels inhabited hy a very poor population.
On the right side of the river is Claddagh, an extensive suburb of mean huta set down togetber in narrow streets, and inhabited by fishermen who will not permit strangera to reside among them. The laws of their fishery and most of their internal regulations aro under the control of a functionary wbom they call their mayor, aud elect annually. They all speak the Irish language, and the womeu still retain much of the Irish costume

The borough jail, erected in 1810, is situated on the upper of the three islands which the river here forms; and adjoining it is the connty jail, counected hy a bridge, built in 1831, with the county court house, a handsome cut stoue building with a portico of foul Doric columns, erected in 1815. The borough court-house, or 'tholsel,' erected during the civil wars of 1641 , is a respectablo edifice: the under part forms an extensive piazza. Opposite the tholsel stands the collegiate aud parish church of St. Nicholas, founded in 1320. It is cruciform, 152 feet long by 126 feet in breadth. In the interior are various monuments of interest. Attached to the church is a singular ecclesiastical body called the Royal College of Galway, founded iu 1484, wheu Donat O'Murray, the then archbishop of I'nam, sanctioned by Pope Innocent VIII. and Kiug Edward IV., erected the church of St. Nicholas into a collegiate body, consistiug of a warden and eight vicars choral. The presentation aud electiou of the members of the college lie wholly with tbe Protestant mainbers of the corporation. The Roman Citholics have two cbapels, 3 nouasteries, and 5 nunneries in Galway; the Presbyteriaus and Methodists have each a chapel. The chief educatioual estrhlishment is the Queen'a College, which opened for tbe receptiou of students in Nov. 1849. The number of atudents during session $1852-53$ was 154 , namely,-matriculated, 141 ; non-matriculated, 13. The building is large and handsome. Erasmus Smith's College, of which the charter is datel 1669, has an income from endowmeut of $126 l$. a year, and bas several exhibitions of the value of $12 l$. a year each, tenable for seven years, at Dublin University. I'here are also schools for boys and girls connected with the mouateries and nunneries.
Besides tbe buildings already mentioned there are a county infirmary, a fever hospital, a custom house, a Union workhouse, aud extensive barracks. The chief manufacture of Galway is that of flonr, which is carried on to a very considerablo extent. Iu addition to numerous flour-mills on the Corrib liver, thero are oat-mills, maltmills, and fulling-mills, driven by the same water-power. In the towu and ita vicinity are an extensive paper-mill, breweriea, distilleries, a tan-yard, a bleach-mill, and foundries. Salmon and sea-fishing are extensively carried on. The assizes for tho county and borough, and quarter and petty sessions are held at Galway. A chamber of commerce regulates the mercantile affairs of the town. Markets aro held on Wednesday and Saturday; and fairs on May 31st, September 21st, and October 21st.

On December 31st 1853 the number of veasels registered as belonging to the port of Galway was- 12 under 50 tons, of 359 tons and 3 above 50 tons, amounting to 502 tons. The number aud tounage of vessels entered and cleared at the port during 1853 were:Inwards 141, tonnage 21,613; outwards 124, tonnage 17,499. The
groas amount of customs dutles rocelved at the port duriug 1851 was 25,75il. 18a. 50
Galway lay is a noble shect of water, and with the harbour offer greal adrantages for an extended commerce.
(IIsrdiman, Hislory of Galway; Inglis, Ireland; Frascr, IIandbook of Ireland: Thom, Irish Almamac.)
QAMBIA COLONY, the Iritich settlements on the Cambia, a river in Western Africa. The eource of the Gambia has not been alcfinitely ascertained. According to the most reliable accounts it rises in the country of the Fouta-Jalon, very near and a little to the sonth of the source of the Rio-Grande, in $10^{\circ} 30^{\prime} \mathrm{N}$. lat., $11^{\circ} 18^{\prime \prime}$ W. long., in a ralley surrounded by mountaina. The river flown first cast and then north till it reaches $18^{\circ} 22^{\prime}$ N. lat., whence it turns and flows south to $11^{\circ} 18^{\prime} \mathrm{N}$. lato, where, after having flowed upwards of 400 miles, it is leas than 50 miles from its source. Its course is then generally north-west as far as $14^{\circ} 30^{\prime} \mathrm{N}$. lat., $13^{\circ} 15^{\prime} \mathrm{W}$. long., whence it dows westward with many bends to the sen, which it cnters in $13^{\circ} 30^{\circ} \mathrm{N}$. lat., $16^{\circ} 10^{\prime} \mathrm{W}$. long. The Gambia has many affuenta, especially in the npper part of its course. The nost remarkable on the right bank are the Ba Creek, the Neolacaba, the Nyarico, the Nicolico, and the Nanijar. On the left bank it receivos the Pord, the Jelata, and tbo Eropina, 45 miles below which the Cambia throws off a considerable branch named the Casamanaa, which by numerous channels llows into the St. Domingo. The width betwecn Cape Ste. Marie and the ioland of Sanguomar is about 20 miles. The width gradunlly diminishes. For nearly 400 miles the Gambia presents a fair water-road into the interior. Early in 1851 Governor Macdonncll, at the close of a tour of inspection ou the river Gambia, procceded up the river as far as about 160 miles above the Rock of Carraconda, which has generally been considered to bo 450 miles above Bathurst. The goveraor's party included Mr. Bage, the colonial engineer, Staff-Surgeon Kchoo, and Licutenant Mostyn; they proceoded in open boats, accompanied by a canoc. In their progress they observed few signs of cultivation or of inhabitants along the banks. Near the junction of the Nyarico the inhabitants of a town called Jallacouta waited upon the governor, soliciting the visits of traders to their district. The infuence of the British bas been bencficially exercised in abating the violence of intestine strifo arnong the native tribes in the interior, and cultivating commercial intercourso, thereby promoting agricultural industry, and fostering conciliatory feelings amongst the tribes. By the excrtions of Qovernor Macdonnell and Staff-Surgcon Kehoo vaccination has been brought into very cxtensive adoption smong the native tribes on the Gambia.

The English have trading establishments at intervals along both basks of this river for many miles into the juterior. The whole of the establishmeuts are included under the title of the Gambia Colong. The colonial revenue for 1851 was 8414 h . The exports from the Gambin are African teak, ship-timbers, ground-nuts, ivory, hides, gold, palm-oil, gum-arabic, and bees-wax. The value of the exports in 1851 amounted to 186,4041 , of the imports to 107,0111 . Iu 1852 the exports amounted to $217,856 \mathrm{~h}$, the imports to $110,174 \mathrm{l}$. The number of ressein arriving at the colony dnring 1852 was 258 , tonnage 29,2i4, of whlch 31 ships of $530 \%$ tons were British. The number and tonnage of ships cleared outwards during 1852 were:Ships 260, tonnage 30,183, of which 30 ships of 4994 tons were British. The number and tonnage of veasels registered as belonging to the port of Bathurst on December 31st 1858 wero:-Under 50 tons 40 vesnels, tonnage 323 ; above 50 tons 14 vessels, tonnage 1270. Of the amount of exports for 1851 (186,404l.) the article of ground-nuts alone furnished 183,133l. valuc. The quantity of ground-nuts raised by agricultural labour in the countries immediately bordering on the Gambia liver and oxported from lathurst ham risen from 47 tons in 1835 to 11,094 tons in 1851. The ground-nuts are chicfly cxported to France. The increased demand for tbis produce has tended to encourago settled and industrious habita among the native African population, many of whom travel hnndreds of milen from the interior and hiro from the chiefs whose lands lie on tho banks of the Gambia such amall portions of ground as their circumatances allow them to cultivate. After the produce of two or thrce ycars has enabled them to parchane supplies of European goods, they urually make up partics of from 20 to 100 strong and return to their home in the interior. Theme migratory labourers aro called 'tilliebunkas, or men from the east. The principal establisbucnts of the Cambin Colony are at Bathurat, on the island of St. Mary, at the month of the river, whence the produce of the country is shipped for England, and at Mac Cartliy'n Inland. A colonial steamer has been stationed at Bathnrat for some years, and has been of considerablo benoft in facilitating communleatiou with Mac Carthy's Island and with the trading atations on the banks of the Gambia The land and bee breeze blow regularly over St. Mary Island for a considerable part of the year. Tho eurface is a low plain, with a slight domcent on the north and east towards the contre, which during the rainy meason is much inundated. The soil ls mandy, with a very small admixturo of loam. In the shade tho thermometer does not riso above $90^{\circ}$. Waler is mearce and not of good quality. Bathurst town doen not stand moro than 12 or 14 feet above high-water mark Many good and substantial goverament aud publio buildiage have
bcon erected, ou wcll as numerous handmome and convenient warehouses ant dwelliogs ; the romainder of the houses are rule African huts. The Europenn reaidenta average only about 50 , but the number of European and Amerlcan sailors and others visiting Bathurst every year in little short of 1200. Thero is a Roman Catholio clapol, capable of accommodating 600 persons, but no suitable place of worship for Protestants. The circumstances of the colouy having beeu somewhat prosperous of late yeary soveral improvements are being effected. Among these may be wentioned-the placing of a light-bhip at tho mouth of the river ; the sinkiug of wells in Bathurst for the use of tho shipping; the crection of a public liospital, a market, a wbarf, a church, \& court-house, and publio omices at Mathurst; and the construction of roads in the ncighbourbood. About the close of 1850 a pieco of ground in a rery liealthy spot, about 8 miles from latharst, was obtained from the King of Combo. The ground is about $2 \frac{1}{3}$ miles in length, and stretehes along the shoro of the Atlantio, with an elevation above the sea varying from 50 to 90 feet. It is situnted near Cape St. Mary, and being intended to be built upon by merchants and others, residents of Bathurst, it has been called Clifton.

The popalation of Gambin Colony, according to the census taken March 31st 1851 was 5693, as follows, namely:-

|  | Whites. |  | Colcured population. |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Males. | Femalcs. | Males. | F'emules. |
| Island of Et. Mary | 167 | 13 | 2192 | 1800 |
| Mac Carthy's Islasd | 8 | 0 | 637 | 320 |
| Marra Point | 1 | 0 | 131 | 74 |
| Cape St. Mary | 1 | 1 | 36 | 16 |
| Total | 177 | 14 | 2096 | 2306 |

Of the total population 82 were retnrned as engaged in agriculture, 330 in manufacturos, and 278 in commerce.

Mac Carthy's Island, the Janjan Buro of the natives, has an area of about 3 square miles, and is 180 miles from the mouth of the river, following its windings, in a populous district, 60 miles below the falls of Barracunda, up to which apot the river is narignble fur vessels of 50 tons burden. Fort Ocorge, ou the island, is in $13^{\circ} 33^{\prime}$ N . lat., $14^{\circ} 15^{\prime} \mathrm{W}$. long. Like St. Mary Island, it is but little raised above the level of the sea, and both are in a great measure covered with water during the rainy season. Tropical remittent fever occurs at both places, but with most intensity at Mac Carthy': Island. Mac Carthy's Island has a rich alluvial soil, which in the dry seasou becomes a mass of burat clay. The thermometer frequently rises to $106^{\circ}$ or $108^{\circ}$ in the sbade.

The Wesloyan Methodists have schools at Bathurst, at Mac Carthy's Island, and at Barra, opposite Bathurst; the total numbor of acholars is about 600. The Roman Cathulica have a school at Bathurst under the care of several Sisters of Charity.

GANDERSIHEIM. [BRENSWICE.]
GANDICOTTA. [CUDDAPAR.]
GANOES. [IIMDUSTAN.]
GANNAT. [ALLIER]
GAP. [Alpes, Hautes.]
GARD, a department in the south of France, is bonnded N. by the department of Arleche, E. by Vaucluse and Bouches-du-1Rbône, S. by the Mediterranean, and W. by tho departmenta of Hérault, Aveyron, and Lozere. The form of the department is irregular; its greatest length is, in a direction nearly cast and west, about 76 miles; its greatest breadth, at right angles to the lengtb, is about 70 miles. The area is 2250 square miles. The population, by the census of 1851, was 408,163 , or 181.4 to a square mile, boing 6.81 above the average per square mile for the whole of France. According to the ceusus of 1841, the population of the department was 376,062. A large number of the population are Calvinists, who bave consistorial elurches at Alais, St.-Ambrois ,Vézénobres, Str-Jean-du•Gard, Anduze, Uzes, St.-Chaptes, Nimes, Vhuvert, Aiguos-Vives, Calvisson, Le-Vignn, Sommierce, Valleraugue, St.-Hippolite, Sauve, and La-Salle; aud above 70 mcetlug-housem in other localities of the department.

Surface, JIydrography, Communications. - The north-western part of tbe department is occupied by the branches of the Cévennes, of which the primeipal ridge is for the most part without the boundary of the departmeut. From this part the face of the country gradually declines to the southeast, in which diroction the principal rivers flow to the Rhone and the Moditerrancan. The const and the lower banks of the Khone are lined with marshy lakes of considerable size.

The principal rivers aro- the Rhono, which bounds the department on the east, and its feedere the Ardeche, which has the lower part of its course nloug the uorthern boundary [Andecue]; and the Cezc, which dowing from the Cévennes, in the most uurthern angle of the department, ruus southeeast into the Rlione below Bagnola, after a course of 55 milca . The feeders of the Ceze are the Luech, the Auzonet, the Aiguillon, and the Tave. The Gard, or Gardon, which gives name to the department and drains its central districta, falls into the Khone a little above leaucaire, after a course in a geueral south-east direction of about 70 milen. It is formed by the junction of three streams which rise in the Cévennes in the depart ment of Lozere, and are distinguished by the names of Oardon-d'Alais, Gardon-l'Anduze, and Cardon-do-Mialct. All the rivers mentioned as flowing from the Cóvennes are snbject to inundations, which somotimes cause great ravagea. The Vidourlo flows
sonth from its source near Le-Vigan, forming helow Sommieres the western houndary, into the shore-lake of Mauguio, in the adjacent department of Hérault. Its course may he estimated at from 48 to 50 miles. The Vistre, which flows near Nimes, and the Rhosny, which passes Aymargues, unite and serve as feeders to the Radelle Canal, which connects the Beaucaire Canal with the Canal-des-Etangs. The Hérault and some of its trihutaries, and also the Dourhie, an affluent of the Tarn, have their sources and part of their course in the department. Of tbese rivers only the Rhône and the Ardeche are navigahle.

The department is traversed hy a navigable canal from the Rhône at Beaucaire to Aiguesmortes, the principal town in the south of the department, which communicates with the Mediterranenn hy the Grande-Rohine Canal and the Grau (a harbour formed hy dykes running into the sea); and by the Radelle Canal with the Canal-desEtangs, which last joins the Canal-du-Midi at Cette. There is another hranch-canal, that of Bourgidou, from Aiguesmortes to the canal of Sylveréal by which the navigation of tbe most western hranch of the Rbône is facilitated. The length of canal navigation in the department is above 50 miles. Tho department is crossed hy 10 national, 28 departmental, and 21 parish roads. It is also crossed hy three railroads : one from the coal mines of Grand'Comhe through Alais to Nimes; another from Nimes through Beaucaire to Marseille; and a third from Nimes to Cette through Montpellier.

Ciological Character and Mineral Products.-The department is chiefly occupied hy the oolitic and other strata that lie hetween the cretaceous group and the new red-sandstone. In the south-east of the department the rocks of the supercretaceous group occur. The prikative rocks which form the crest and tbe western slope of the Cévennes appear in this department. Important iron, coal, and silverlead mines are worked. Silver, copper, and calamine are found; but tbe working of the mines has been ahandoned. Sulphate of iron, manganese, kaolin, antimony, fullers' and potters' clay, gypsum, huilding stone, \&c., are also found. There are mineral springs in various places, and a good deal of salt is made in the salt marshes that line the coast. Some gold is found in the sands of the Cerze and the Gardon.

Climate.-The air in this department is commonly mild; hut in March aud April considerahle changes of temperature are experienced within the twenty-four hours. In June, July, and August the heat is very great, the maximum in the shade heing $99^{\circ} 5^{\prime}$ Fahrenheit. The department is scourged hy the wind called Mistral [Boucress-duREONE], and, when this does not hlow, hy clouds of mosquitoes during the hot weather. The autumn is usually dry and cool. The greatest cold is commonly at the end of Decemher.

Products.-The surface contains $1,440,348$ acres : of this area ahout $3 £ 0,000$ acres are arahle; 176,207 under vineyards; 20,711 are meadow land; 152,988 are under plantations of the mulherry, olive, \&c.; 266,078 are covered with woods and forests ; 390,584 with heaths and moors; and 37.391 with canals, pools, and marshes. The sheltered sides of tbe hills and the plains are devoted to the cultivation of the vine, the olive, the mulberry, and the almond. The arahle land is contained chiefly in the valleys. The produce of the department in grain is not gufficient for the home consumption; hut what wheat is grown is of superior quality. Besides wheat, the other grains cultivated are oats, rye, harley, maize, millet, and huckwheat, of which the total annual produce does not exceed 515,625 quarters. Lentils, peas, and potatoes are grown; of chestnuts immense quantities of excellent quality are produced on the slopes of the Cévennes. The vine is extensively cultivated all through the department, which jields annually $26,400,000$ gallons of excellent red and white wine, one-fourth of which is consumed at home, one-sixth is distilled into hrandy, and the remainder is exported tbrough Cette, chiefly for the purpose of mixing with the poorer wines of more northern departments. Some muscadel wine is grown in the vineyards of St.-Gilles. The olive, too, is carefully cultivated in sheltered spots and on the southern slopes of the hills; the oil of the department is in high repute. The cultivation of the white mulberry, which here hecomes a large and heautiful trec, is very extensive; the uumher growing in 1835 amounted to $5,709,466$, and it has been greatly increased since then. Tbese trees are grown almost exclusively for their leaves, which are the favourite food of silkworms: the leaves are also given to cattle and sheep, which prefer them to almost every other food. Cherries, apricots, peaches, figs, pomegranates, \&c., are ahundantly produced. Indeed tbe chief agricultural wealth of the department consists in its wines, oil, silk, and delicious fruits. Medicinal herbs, madder, and other clye stuffs, are grown.

Only a small numher of oxen are reared: but sheep are numerous, and their wool is very fine. The horses are small, hut vigorous and lively. Among the wild animals are wolves, foxes, otters, beavers, eagles, vultures, wild ducks, ortolans, red partridges, storks, bustards, \&c. ; the ponds and rivers ahound with fish.

Manufactures, dec.-The industrial products of the department are varied and important. The principal are silk textures of all kinds, the chief seat of which is Nimes; cashmere shawls, made of a mixture of Tihet wool, silk, and cotton; silk and cotton hosiery of every description; tahle-covers, carpets, \&c. ; woollen clotb, swanskins, blanketo, shoe and glove leather; silk hats; ribands and gloves;
iron, steam machinery, wine casks; pottery, tiles, and hricks; glass, paper, cards; nails, plaster, and lime; cotton and woollen yarn; salt, \&c. The manufacture of carpets has in recent times hecome of considerable importance in this department. Nimes is the centre of this manufacture also. In Sommicres and the country ahout it the woolleu manufactures are firmly established. Leather is an important product of Nímes, Beaucaire, Uzès, Bagnols, Sommières, Alais, St.-Hippolite, and Le-Vigan. The commerce of the department consists of the various products already mentioned. About 100 fairs are held annually. The numher of wind-mills and water-mills amounts to 754 ; irou forges and furnaces to 135 ; factories and workshops, of different kinds, to 526.

The department is divided into four arrondissements, which, with their suhdivisions and population, are as follows:-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Nimes . - | 11 | 73 | 148,564 |
| 2. Alais . . . | 9 | 97 | 102,339 |
| 3. Uzès . | 8 | 98 | 90,011 |
| 4. Le-Vigan . | 10 | 79 | 67,249 |
| Total | 38 | 347 | 408,163 |

1. Of the first arrondissement and of the whole department tbe capital is Nimes or Nismes. The other towns are here uamed, the population in every case heing that of the commune. Aiguesmortes, situated in an unhealthy spot among stagnant marshes, at the junction of several cauals hefore mentioned, presents the most perfect specimen extant of a feudal fortification. The walls, towers, gates, and ramparts are said to have been erected after the model of Damietta in Egypt hy St. Louis, who twice embarked here for the Holy Land. The fosse has been filled up. The population is now only 3393. The streets are wide and straight ; withiu the walls there are large spaces, once covered with houses, which are now cultivated as fields and gardens. The most remarkahle huildings are--the Tour-de-Constance, opposite the citadel and outside the walls, which served as a prison for the Protestants taken after the revocation of the Edict of Nantes; the I'our-des-Bourguignons, a tower in which the Burgundians, slain in defence of the town in January 1421, were thrown hetween layers of salt to prevent the danger of miasma from their putrefaction; and the gate-tower, called La-Carbonniere, to the north of the town. Soda, fish, and salt, which is made at the great salt-pans of Peccais, in the neighhourhood, are the chief articles of commerce. There is a lighthouse 65 feet high on the north-west mole of the Grau, which forms the harhour of Aiguesmortes. A ramon, prettily situated in a fine olive and fruit district on the right hank of the Rhône, to the east of Nimes, has 2751 inhahitants. Beaucaire has heen noticed in a separate article. Bellegarde, on the Nimes and Beaucaire railway, has 1796 inhahitants. Calvisson, a small town in a rich wine district, has important hrandy distilleries, and 2660 inhahitants. A good denl of cream of tartar is made here, and the town gives name to a delicious claret. St.-Gilles, 12 miles S. from Nimes, stands on the slope and at the foot of a hill ahove the canal from Beaucaire to Aiguesmortes, and has 5635 inhahitants. The most remarkahle structure is the church of the ancient ahhey of St. Gilles, which dates from the 10 th century. St.-Gilles gives name to the fine strong red wines of the neighhourhood, which are well fitted for exportation. The chief trade of the place is in these wines, and in hrandy and spirits distilled in the town. Marguerites, situated in a rich vine district, on the Vistre ind the Nimes and Beaucaire railroad, has 1886 inhahitants. Sommières, 14 miles W. from Nimes, on a hill on the left bank of the Vidourle, has important manufactures of woollens, swanskins, blankets, woollen thread, hrandy, and leather, hesides a good trade in wine, wool, \&c. There are also several fulling-mills in the town, which has a population of 3697 . Vauvert, 12 miles S.W. from Nimes, has 4175 iuhahitants, who manufacture silk, hosiery, hrandy, spirits of wine, and saltpe're.
2. In the second arrondissement the chief town is Alars, which has heeu noticed under its proper head. St.-Ambroix, 12 miles N.N.E. from Alais, stands among the Cévennes Mountains on the right hank of the Cèze, and has iron-smelting furnaces, zinc-foundries, a silk-factory driven hy steam machinery, and 3148 inhahitants, who trade in raw silk, olives, chestnuts, mulherry-trees, wine, and coal, which is mined in the neighhourhood. Anduze, W. of Alais, stands on the right hank of the Gardon-d'Anduze, hetween precipitous rocks on oue side, and hills covered with vines and olives on the other. It is an ill-built place, but the environs present some enchanting scenery. The terrace, which serves as a dyke against the inundations of the Gardon, and from the middle of which springs a cut stone bridge across the river, deserves mention. The population amounts to 5238 , who manufacture silk, hosiery, silk hats, cloth, pottery, glue, and leather; and trade in cattle, raw and thrown silk, corn, \&c. Barjac is situated near the northern houndary of the department, at the foot of the Cévennes, 20 miles N.E. from Alais, and has 2319 inhahitants. Genolhac, high up among the Cévennes in the north-west of tbe department, has 1586 inhabitants. St.-Jean-du-Gard, a few miles N.W. of Anduze, stands on the left hank of the Gardon-d'Anduze, and has 4192 inhabitauts. It is an ill-built place, disfiguring the scenery

Lhat surnounds it, bat it las Important silk.factories, hroweries, and hn-yarla A manganese inine is worked near it. Verinobres, a station on the Nines and Alain railroad, lass silk-reeling cetahlishunonte, and 1066 inhahitanta.
3. Of the thind arrondisement the chiof town, C'eld, stands 12 miles N. from Nimes, among the mountains on the right bank of the Auzon, a feoder of tho Gard, and has a tribunal of first instance, a collego, and 6413 inhabitanta in the commuue. It is huilt on a hill, from the banco of which aprings the fountain of Eurc, or Aure, the waters of which wero (in loman times) conducted to Nimea hy an aquoduct. The most important huildings aro-the courthoune ; the old cartle of the dukes of Uzes, which is fortified, and greatly resembles the famous Bastille of Paris; and the former cathodral. The inhahitants aro engaged in the cultivation of the olive, and of tho mulberry for the production of silk, and in the manufacture of silk hosiery, coarse woollens, leather, and paper. The town tradea also in corn, wine, brandy, oil, cattle, raw silk, dc. Bagnols, on the right hank of the Ceze, in a district famous for its wines, is an ill-huilt place with narrow atreete sud 4900 inhahitants. There is a pretty square ornamented with two founhins; the college huildings, the hospital, and the canal that draws off the waters of the Cedze for purposes of irrigation, descrre mention. Coarse cloth, serge, thrown silk, cands, brandy, and leather are manufactured. Pont-St.-Esprif, well gituated for traile on the right bank of the Rhone, is an ill-huilt town, consisting of narrow irregular strcets, and defended hy a citadcl. The population amounts to 5239 , who carry on a considerable trade in wine, oil, fruit, silk, and provisions. The town, which is eurrounded by ramparts, was anciently called St-Savournin. It took its present namo from the hridge which crosses the Rhone hero, and which has rexisted the impetuosity of that river since 1309, the year in which it was completed. It consists of 19 large and 4 smaller arches; the expenses of its erection were defrayed from the offerings giveu in a chapel dedicated to the Holy Ghost (Saint Faprit), whence the name. Remoulins, a small place of 1370 inhahitants, is situatod near that portion of the magnificent Roman aqueduct now called Pont.du-Gard. This aqueduct, which was constructed to convey the waters of the fountain of Eure to the city of Nemausus (Nimes), spans a narrow gorge between two arid hills on each side of the Gard. It consists of three arcades huilt one over the other, 656 fect long and 173 feet high above the low-water mark of the river. The lower arcade consists of 6 arches, through one of which the Gard flows; the secoud is connposed of 11 arches; and the thind, which supports tho channel of the aqueduct, of 35 arches. The whole structure, with the exception of the channel, which is $6 \frac{1}{4}$ feet broad and the same in depth, is huilt of largo cut stones without cement. Between the Pont-du-Gard and Nimes there is a portion of the aqueduct more than 7 miles long, Which, being under ground, is still in perfect repair. Arrived at Nemausus, the waters were conducted hy throe hranch aqueducts to the amphitheatre, to the puhlic fountains, and to the supply of private housea. Several country housen also were supplied hy conduits with water from the main trunk. Roquemaure, a town of 4471 inhabitants, stands in a rich wine district on the right hank of the Rhone, which is horo passed by a suspension-hridge. It has silk-reeling factories, brandy distilleries, hydraulie asw-milhs, and a great manufacture of winocasks, of which 20,000 are made annually. The trade of the place consinte of the Rhône winea, hrandy, horses, and cattle. Fille-neuretes-Avignon stands on a hill on the right hank of the lihone, opponite Avignon, of which it may be called a suhurh, and to which it was formerly joined by a famous bridge. [Avianos.] The most remarkahle structuree are-the former ahbey of St -Audré, now converted into a dwelling-honse ; the former Carthusian monastery; the church, which contain amongat other monluments the tomh of the Prince de Conti; and the public library. The population is 3671 , who manufacture silk, linen, waltpetre, ropes, tilos, and lime.

1. In the fourth arrondissement the chlef town, Le-Vigan, is beautifully situated at the foot of the Corvennes, 10 miles W. from Nimen, and han a trihunal of first instance, a college, and 4945 lnhahit asta, who manufacture silk and cotton hosiery, white and shoe leather, and cottou-yarn. It is well huilt, and ls considered to be the prettiest and most salubrion town in the Covennes. In the principal squaro there is a monument erectod to the heroio D'Asmas, a native of Vigan, who eaved the French army nesr Geldern in 1700 from a night surprive, at the cont of his life. Sc.-Mippolite du-Fort, cant of Vigan, ou the Vidonrle, is a modern town, which takes its origin from a fortreas orectod here in the 1 eth century. It is traversed hy a canal which sopplien soveral fountains and turne a great uumber of milla, The town la well huilt, ham a tribunal of connaerce, and 6297 lnhabitants, who manufacture cotton and silk stocklngere, woollon stuffs, glue, auri leather. Qwisac, farther down the Villourlo, is a amall place with 1690 inbebitnts. La-salle, a long straggling villago on a feoder of the Gardond'Anluze, has 2854 inhabitants, who manufacture hosiery, silk, yam, and lenther. Sawre, a amnall place on the Vidourle, between Quismo and St.-1tippolite, has 280 s imlabitanke. Near It aro the hot-mprings of Fousange. Sumene, 8 mile from Vigan, has 2978 inhatitanta and sorno cotlon manufactures. Valleraugue, a prosperous litcle town, with a population of 3853 , is situated 10 milen N . from Vigan, $\ln$ an excellent mulberry districh $\Lambda$ great deal of silk of tho beat quality is produced bere.

The department forms the soe of the hishop of Nimes, is included in the jurialliction of the Cour Royale, and Univeraity Academy of Nimen, and belongs to the 10 ch Military Divlsion, of which Moutpollior is head-quartera. Thero is a dioccsan sominary in Nimes, and a mecondary occloaiastical echool in Beaucaire. Besides a univeraity Nimen has a royal oolloge or high school, in which the naciont languages, mathematics, and tho physical sciences aro taught Com mual collegen or secondary schools, are attablishod in Beaucaire, Alais, Ueds, and Lo-Vigan. The department returns three membors to the Legislative 130 dy of the French İmpire.
(Dictionnaire de la Prance; Stasistique de la France: Official Papera.)
GARDA, LAGO DI, the ancient Benacus, the largeat of the Italian lakes, is in Austrian Italy, hetwecu the province of Brescia on the weat and that of Veroun on the east; the bonndary hetween the two provinces travcrsas the lake iu its length. Its south coast belougs to the province of Mantua. The northern extremity of the lake enters the territory of Treut in the Tyrol. Its length, from north hy cast to south hy west, is 32 miles ; anll its grestest hreadth, which is iu its southern part, is above 13 miles, hut it is muoh narrower towards the north. From its position it is exposed to the sweep of the north wiuds from the Alps, which agitate ita waters like a trouhled seaa fact which did not escape the ohservation of Virgil ('Georg., ii 160). Its greatest depth is about 950 feet. It receives at its northern extromity the river Sarca, which rises in the nountains of Tyrol, aud numerous other streains on its east and west hanks. The Mincio issuing from its south-east oxtromity passes the fortress of Peschiera. Two ridges of mountains run parallel to its east and west banks; that on the cast is more rugged and nearer to the coast, hut the western ridge leaves a fine aud fertile strip of land hotween it and the shore, and is known hy the name of Riviera di Sald. The soutlı coast of the lako forms part of the great plain of Lombardy; and on this side the beautiful poninsula of Sermione, the aucient Sirmio, projects into its waters. On this peninsula was the paternal reaidence of the poot Catullus. The waters of the Lago di Gards aro of a deep blue colour, and abound with fish. On the melting of the anow in spring its level, which is 230 feet above the sea, is raised about 5 feet. Some account of the territory along the bauks of this lake, the scenery of which has heeu praised hy Catullus, Dante, and other poets, is given under the heads Brescia and Verona, tre Provisces of. Steam-boats ply on the Lake of Garda, hetween Desenzano on its south coast and lkiva at its north extremity, in the Tyrol. The lake has somes small islands near its west coast, the largest of which is called Lechi, from the name of the family to which it helongs: this islet is little more than one mile in circurafcrence. The town of Garda, from which the lake is now named, appears from inscriptions found there to have been inhahited in Roman times, hut its ancieut name is unknown. From an inscription found in the village of San Vigilio, ou the east shore, it appears that Benacus wes the name of the tutelary deity of the lake, the Pater Benacus of Virgil. Several iuscriptions havo been found also at Toscolano, on the west shore, in which the name Benacenses occurs; aud it is probahle that in this place there Was a temple or sanctuary, which was a place of resort for all the Benacenses or people of tho lako side.

GARDANNE. [BoUcuEs-DU-InठSE.]
GARFAGNA'NA is a highland district of the vorthern Apranunes, on the horders of the states of Tuscany, Genon, and Modeun, including the valley of the Upper Serchio above its junction with the Lima. The vallcy extends from the sources of the Serchio in a sonth-east dircction for ahout 24 milee hetween the inain ridge of the A pennines and the lofty group called Alpe Apuana, which divides the valley of the Serchio from that of the Magra, and also from the maritine districts of Carrara, Massa, and Pietrasanta. The most elevatod summits of the Alpo Apunna, called Pisanino and Pizzo d'Uecello, are between 6000 and 7000 fect high. The climate of Garfagnaua is cold and foggy, and exposed to hoisterous winds from the mountains. The lowlands of the valley produco some corn, homp, and flax, and in somo sheltered and favoured apota tho olive and mulberry; but the main resource of the people is their pastures and their forents of chestnut-trees, the fruit of which is to them a substituto for bread. They export some silk, choese, undressed skins, chestnuts, wool, and timher. Thero are also irou and ooal-mines. The Garfagnana contains 67 parishes, and is divided for administrative purposes into six juris dictions, three of which holouz to the duchy of Modeua, two to the duchy of Lncca, and one to Tumcany. The priacipal towns areCastelnuoro, with 2700 inhahitants, and eome good huildinga, being the ranidence of the Modencse governor; it has a college, an hospital, aud a monte di pieth. The poct Ariosto was at one time goveruor of this place, of which he gives a curious account. Gallicano, with about 1000 inhabitanta, the head place of the district, belonging to Lucen Barga, with 2500 inhahitauts, head town of the district, belonging to Tuscany.

GAilONNE, the nacieut Garmma, a river in the wouth of France, rines in the Vald'Aran, pear the foot of Mount Maladetta, in the Spanish Pyrences, and enters France at a place callod lont-du-Roi, in the departinent of Haute-Garonue. From this point it rums north past St. 13 bat to Montrejeau, where it in joined on the left hank hy the Neste; its courso in then easterly as far as Sh-Martory, where the

Salat enters it on the right hank. Hence turning north-east it passes Cazères, where it becomes navigable; betweeu this place and Toulouse it receives the Louge on the left bank; the Volp, the Arize, and the Aridge on the right. At Toulouse it is joined by the Canal-du-Midi, and turns north-west, in which direction it continues generally to its mouth, passing Verdun, Agen, St.-Macaire, and Bordeaux, a few miles below which, at Bec-d'Ambès, it enters the æstuary of the Gironde. Its principal feeders below Toulouse are the Giron, the Tarn, the Lot, and the Dropt on the right bank; the Save, the Gimone, the Gers, the Baise, the Avance, and the Ciron on the left.

The length of the Garonne is about 352 miles, of which 262 are navigable, but the navigation is much impeded above Toulouse. The river communicates either directly or hy its navigable feeders with twelve departments, the total river navigatiou of its basin heing about 1000 miles. The tide ascends to St.-Macaire, ahout 25 miles above Bordeaux, and vessels of the largest size go up as far as the latter town. [Bordeaux.] By this river and the Canal-du-Midi the Bay of Biscay is united to the Mediterranean.

The basin of the Garonne is bounded S. hy the Pyrenees, E. by the Cévennes, N. by the Auvergne Mountains and their western offshoots, and W. by ramifications of the Pyrenees, which extend to the mouth of the Gironde. Its greatest length from S. W. to N.E. is ahout 200 miles, its greatest breadth about the same ; in its lower part however the basin (including therein the Gironde) does not exceed 25 miles iu width. The valley of this river is remarkable for the richness of its products in corn and wine, and for the beauty of its scenery.

The estuary of the Gironde, which probably derives its name from Garnada, a name of the Garumna, which occurs in a letter of Symmachus to Ausonius, is formed by the junction of the Garonue and the Dordogne ; it runs north-west, and connects those rivers with the Bay of Biscay. From Bec-d'Ambès to its mouth the channel of the Gironde presents a succession of islets and banks, which nearly divide it into two equal branches, and render the navigation somewhat intricate. Its length is about 40 miles; its breadth at Bec-d'Ambès is about a mile and three-quarters; its greatest width is 7 miles; at its entrance into the Bay of Biscay the breadth is scarcely 3 miles. Its shores below Blaye are uninviting, and present to view only bare rocks and dreary heaths. This æstuary is suoject to the mascarct, or hore. [Bome.] The crest of the bore rises from 13 to 16 feet ahove the surface of the river; and this great mass of water, moving along with impetuous velocity, often causes serious damage to vessels exposed to its violence, not only in the Gironde, but also in the Dordogne, which river it ascends for about 20 miles. [Dondogne.]
(Dictionnaire de la France.)
GARONNE, HAUTE, a department in the south of France, derives its uame from the river Garoone, which has the upper part of its course in the department. It is bounded N. by the department of Tarn-et-Garonne; E. by those of Tarn, Aude, and Ariege; S. by Spain, from which it is separated by the Pyrenees; and W. by the departments of Hautes-Pyrénées and Gers. Its greatest length, from northeeast to south-west, is about 100 miles; its greatest breadth, at right angles to the length, 63 miles. It is comprehended between $42^{\circ} 39^{\prime}$ and $43^{\circ} 54^{\prime} \mathrm{N}$. lat., $0^{\circ} 26^{\prime}$ and $2^{\circ} 1^{\prime} \mathrm{E}$. long. Its area is 2431 square miles. The population hy the census of 1851 was 480,794 , giving 197.77 to a square mile, or 23.19 above the average per square mile for the whole of France. . The population in 1841 amounted to 468,153.

Surface, Hydrography, and Communications. - The south of the departmeut is covered with lofty mountains, including part of the crest and some of the branches of the Pyrenees, the peaks of which rise in this department, or just close to it, from 9000 to 11,742 feet high. The last number expresses the height of Mont Maladetta, from the snows and glaciers of which the Garonne springs. The lower slopes are covered with thick forests of oak, pine, fir, \&c., or are occupied as sheep-walks and pasture-grounds. The mountains are diversified by beautiful lakes and cascades, and intersected by lovely valleys, such as that of Luchon. The lake and cascade of Oo, ncar the village of Oo, at the extremity of the valley of Larboust, are among the finest sights in the Pyrenees; the cascade, which is hroken about midway in its descent, has a total fall of 1600 feet. The loud roar of torrents and waterfalls echoing among roeks and woods are heard with awe among the profound solitudes. The scenery higher up the mountains is of the most savage description : the highest part of the Pyrenees is covered with perpetual snow and ice; frightful precipices, yawning chasurs, and naked rocks of enormous size are scen on their sides. The slope of tho mountains is in general at an angle of about $35^{\circ}$, but in some places the descent is precipitous like a wall; and in the granite and primitive limestone formation it is not uncommon to sce the rocks project far out of the perpendicular liigh overhead. The communication with Spain is kept up by the depressions in the mountains, here called 'ports.' The Port d' Oo , the loftiest pass in the Pyrenees, is 9850 feet high. The north of the department is occupied by hills of moderate elevations, separated hy extensive and very fertile plains.

The department belongs entirely to the basin of the Upper Garonne, which traverses it from south to north. Of the other rivers the principal are-the Neste, the Salat, the Ailiege, the Lers, the Louge, the Touch, the Save, the Gimone, and the Tarn; these are all directly or
indirectly feeders of the Garonne. [Garonne; Ariège; Tarn.] The department is traversed by the Canal du Midi for about 32 miles of its length, and has by means of this canal and its navigable rivers (the Garonne, the Salat, the Ariege, and the Tarn) a total navigation of about 150 miles. It is also crossed in various directions hy 7 imperial, 31 departmental, and 30 parish roads. The projected railway from Bordeaux to Cette passes through Toulouse and the north-east of the department.

Geology and Mineral Products.-The supercretaceous strata extends over all the north of the department, and southward as far as the junctions of the Salat and the Neste with the Garonne. The oolitic and other kindred formations crop out heneath the supercretaceous deposits, and occupy a narrow belt to the south of these. Tho Pyrenees are formed of primitive limestone and other rocks. Tho mineral treasures of the department are iron, copper, lead, antimony, bismuth, zinc, coal, rock-crystal, slates, gypsum, marhle, jet, aud granite. Gold is found in the sands of the Garonne and the Salat. There is a salt spring at Salies. Mineral waters are found at various places; those of Bagnères-de-Luchon are the most celebrated.

Climate and Produce.-In the higher parts of the mountains the winters are severe and long; in the lower hills and plains, which make up the greater part of the department, the climate is mild; here it rarely freezes, and a fall of snow is almost unknown. The average number of rainy days in the year is about 100; the rest of the year. is dry, and almost equally divided hetween bright sunny and cloudy weather. The east and west winds predominate ; the latter bring cold and rain. Tempests are frequent and violent. Goitrous affections are common among the mountaineers.

In the mountainous tracts it is only by dint of industry that any returns can be procured by the farmer. The valleys are very productive. The most fertile localities are the plain of Toulouse, the productiveness of which is noticed by Julius Cæsar (‘De Bel. Gal.; i. 10); the valley of the Garonne generally; and the neighbourhood of Rieux, iu the valley of the Arizo, where two harvests are obtaincd in the year. The department contains $1,555,832$ acres. Of this surface ahout one-half is arable land; 95,477 acres are grass-land; 120,858 are under vineyards; 275,357 under woods and forests; 13,853 are orchards, plantations, and gardens; 114,142 heath and moor land; and 11,654 are covered with waters, ponds, and canals. The populatiou is not so much clustered into villages, towns, and hamlets as in most other parts of France; hut is scattered over the department in farmsteads and cottages.

The arable laud is well adapted to the cultivation of wheat, maize, buckwheat, millet, rye, aud other graius and pulse. A great deal of garlic is grown; flaz, hemp, potatoes, chestnuts, tobacco, truffles, melons, orange-flowers, fruit-trecs, and medicinal plants are also produced. The quantity of wine grown in the department is $14,300,000$ gallons, one-third of which is used for home consumption. The quality is generally inferior. The uplands and the valleys furnish abundance of excellent pasture; the mouutains abound with wood suited for ship-building. Many oxen are bred in the extensive pastures of this department ; asses, mules, sheep, and swine are numerous. Poultry is abundant. The geese and ducks are plentiful, and of great size; numbers of them are salted for household use and for exportation. A little honeg and silk are produced. In the mountains there are the wild boar, the roebuck, the wolf, the fox, the heath-cock, and different varieties of the eagle. The partridge, ortolan, and quail are taken in abundance in the plains. Tho rivers and lakes ahound with fish.
The commerce of the department is composed of the prod.scts already named, and of its manufactures, the chief of which are scythes, files, copper utensils, mathematical instruments, porcelain, pottery, tiles, coarse woollens, canvass, blaukets, calicn, tape, brandy, tin-ware, and leather of various kinds. There are 78 iron-furuaces, and 331 factories of different kinds, including glass-works, copper-foundries, cannon-foundries, gunpowder-mills, tobacco-factories, distilleries, marble-sawiug works, \&c., and 1053 wind- and water-mills. The department has considerable cominercial intercourse with Spain, whither many handicraftsmen annually emigrate to excrcise their callings. Fairs to the number of 360 are held in the year.

The department is divided into 4 arrondissements, which, with their subdivisions and population, are as follows :-

| Arrondissements. | Cantons. | Communes. | Population in 1851. |
| :---: | :---: | :---: | :---: |
| 1. Toulouse . . | 12 | 133 | 175,671 |
| 2. Villefranche | 6 | 97 | 65,039 |
| 3. Muret - | 10 | 126 | 92,988 |
| 4. St.-Gaudens | 11 | 234 | 147,096 |
| Total - | 39 | 590 | 480,794 |

1. Of the first arrondissement and of the department Toclouse is the capital. The other towns of the arrondissement are small. We give the following with the population of the commuue iu each case :-Fronton, in the north of the department, is a well-huilt town consisting entirely of hrick houses, and has 2141 inhabitants. Grenade-sur-Faronne stands 15 miles N. from Toulouse, on the left bank of tho Save, a little ahove its confluence with the Garonne, and has 4281
inhshitante. It is a regular hrick-hnilt town, situated in a rich coms country, and has manufactures of coarse woollens, serge, and leather. Villemurgur-Tarm, the unont northern town in tho department, stande on the right bank of the Tarn, which is hero paseed hy a suspensionhridge: population, 5472
2 In the mecond arrondissement the chief town, FillefranchedeLauragais, stands $\ln 43^{\circ} 23^{\prime} 56^{\circ} \mathrm{N}$. lat., $1^{\circ} 43^{\prime} 9^{\circ} \mathrm{F}$, long., in a plain of great fertility on the lern, near the Cunal-du-Midi, and has a populatiou of 2570 in the commune. It is the seet of a trihunsl of first instance, and has manufactures of sail-cloth, honiery, blanketa, pottery, and leather. Recel, the only other place worth ruentiouing in thia division, standa in the north eastern angle of the departmeut, on a hill whlch commands a fine view over a very fertile country. It bas 5796 inhahitants, who manufacturo stockings, hats, linen, liqueurs, cottonyarn, tiles, and leather.
2. In the third arrondisement the chief town, Muret, In situated in $43^{\circ} 27^{\prime} 41^{\circ}$ N. lat., $1^{\circ} 19^{\prime} 41^{\circ}$ E. long., on the slope of a hill above a beautiful valley at the confucuce of the Louge with the Garonne, which is here passeal by a fine suspension-bridge. It is a pretty hrick-huilt town with a trihunal of first instance, and 1196 inhabit. ante, who manufseture conrse woollens, delf, and leather. Near Muret a large army noder Pedro, king of Arsgon, and the counts of Toulouse, Foix, Conminges, and BCarn was defeated with great slaughter hy the French under Simon de Montfort, on September 12, 1215. The king of Aragon was among the slain. Auerire, a town of $\$ 272$ inhahitants, who manufacture cloth for soldiers' uniforms, stands on the right bank of the Aridge, which is hero navigahle and is mpanned hy a hrick hridge Carbonne, on the left bank of the Garonne, opposite to where that river is joined hy the Arize, is a pretty little town with a population of 2293 , who manufacture cloth and bricks, and trade iu oil and wool. Cazeres, 22 miles S.S. W. from Mureh, on the Garoune, is a well-huilt town with 2471 inhahitants. It has tan-yards, dye-houses, and hat-factories. Cintegabelle, at the junction of the Lers and the Ariege, has 4016 inhabitants It is a place of some commercial activity; the iron and otber prodacts of the department of Ariege are put aboand river-eraft bere, the Aridge being navigahle from this point. Le-Fousseret, the hirth-place of the Ahhe Sicard, the great promoter of the instruction of deaf mutes in France, lies W. of Carbonne, and has a population of 2046. Sl.-Lys, W. of Muret, has 4000 inhahitants, who manufacture linen, and trade in charcoal. Monfesquies-Volrestre, nituated on a height close to the Canal-du-Midi, has 3745 inhahitants, and some manufactures of woollens, drugget, saltpetre, and tilcs, Rieur, well-bnilt town, formerly the seat of a hishop, is prettily situated on the Arize, has a fine church, manufactures of cloth and hata, and 2128 inhahitants.
3. In the fourth arrondisscment, the chief town, St.-Gaudens, vitunted on a hill on the left hank of the Garoune, in $43^{\circ} 6^{\prime} 29^{\prime \prime}$ N. lat., $0^{\circ} 43^{\prime} 33^{\prime \prime}$ F. long., has a trihunal of first instauce, a college, a very ancicut church, and 4805 ichabitants who manufacture paper, leather, glass, delf, tiles, woollen-stuffs, tape, \&c. The town bas seversl four, oil, and fulling.mills, and trades with Spain in corn, nail, linen yarn, mulen, cattlo, \&c. From the Eaplauade along the river there is a fine viow of the scenery of the Pyrences and the ralley of the Garonne. Aspet, S.E. of St. Gaudens, near the torrent of Souheil, in a most picturesque situation, has inon-factories, manufactures of nails, comhs, \&c., and a considerahle trade with Spain in plge. The population of the commune is 2573. Bagnires-de- Inchon, famous for ita hot sulphurcous springs, stands near the head of the valley of Luchon between two mountain streams, the Go and the I'igue, whlch unite a little north of the town to form the Neste-deIuchon, a feeder of the Garonne. The town which is 20 miles south from St-Gandena, and nearly opposite the middle point of the chain of the Pyreneen, in well huilt, with wide, atralght, clean, and well-paved strecte It is in form a triangle, the points of which terminate lu alleys, one shaded with planes, another with sycamores, and the third with limes. The allcy of limen leads from the town to the lnthe, and is bordered with house for the greater jart of its length. The neighbourhood abounds with maguificent secnery. The hathing eutablishment is a large, elegant, and commodious building, fitted up with many marhle bnths, into each of which water from four pring is conducted hy pipes. The waters of Bagneres were known to the lomanm, hy whom they were uamed Aqua Lixonienses; the npringa were redipcovered about a century ago, and they are now much frequented from the middle of May to the end of October hy fetienta suffering from akin diseases, glandular awollings, and atifened jolnts. The waters aro administerod in baths, douchea, and an drink. legneres has an important chocolate manufactory; roofiug alaten aro quarried, and copper-mines worked in the ncighbourhood. St. Bfat, near which there are whito marhlo and whto quarrien, standa on the Garonne, and in a defile through which that river fows on leavlag the Vald'Aran. - The town io amall, consisting of two streets on opposite siden of the river, and unlted hy a stone hridge: the population in 1374. Sc-Bcrtrande-ie.Comminges, a village of under 1000 Inhahitanta, manda on the sile of the ancient Lugdunum Convenarunn, near the left bank of the Garonne. It was formerly the chlef town of Commingem, and the soat of a hlahop; the former cathodral is a large and interenting structure. There are famous
marble quarries and marble works near this town. L'lle-en-Dodom, famons for its poultry, stand on an inlaud formed by the Save, and has 1818 inhahltanta St--3/arfory, a pictunsane litile town at the junction of four ligh ronds on the Garonne, which is here crossed by a fine hridge, las 1147 inhabitauts. Montrejean, beautifully aituated on a plateau at the fuot of the Pyrenees, and nenr thin junction of the Neate with the Garonne, la a neat and well-huilt torn with 3081 inhabitants. The magnificent scenery of the Pyrenean Mountains contrasts heautifully with the smiling lendscapes and rich valleys watered hy the two rivers in the neighbourhood of this town. A fine marble bridgo of six anche cromen the Garonne here. Stockiogs and leather aro the lealing manufacturem of the tomn, whlch trades also in corv, cattle, males, poultry, timber, oak-staves, \&c. Salies, is a small place on tho Snlut, over which a suspensionhridge is thrown. There in a fine salt spring near it.

The greater part of the territory now included in Ilaute-Garonuo was inhahited in ancient times hy the Volco Tectosages, whose capital Wh Tolosa, now Toulouse. The llomans incorporsted this part of Gaul with Narbonensia, From the Romans the dominion puened to the Visigotlis, who maiutained themselves in the kingdom of Toloss till the 8th century, when they were expelled hy the Saracens, who in their turn were driven out hy Pepin. Charles, hrother of Carloman, founded the kingdom of Aquitaine, of which Toulouse wns the capital, for his son, who being too young, the govcrument was pinced in the hands of dukes or counts in A.D. 783 , and it is to this time that the creation of connts of Toulouse in referred. On the union of the kingdom of Aquitaine to the crown of France under Louis-le-I3egue, the counte of Toulouse became indepeudent, and rotained the sovereignty of the county till 1270, when it was ru-united to the crowu by Philippe-lo-llardi.

The department forms the see of the Archhishop of Toulouse and Narbonne, is included in the jurisdiction of the Cour 1Royale and of the University Acalcmy of Toulouse, and belongs to the 12 th Military Division, of which Toulouse is head-quarters. It retums four wemhers to the Legislative Body of the French empire.
(Dictionnaire de la Prance; Statistique de la Prance: Official Papers.)

GARIR1GiLL. [Cumberland.]
GARROW HILLS. [HisDUstan.]
GAlLSTANG, Lancashine, a small markct-town, aud the seat of a Poor-Law Union iu the parish of Garstang, is situated on the right bank of the river Wyre, in $53^{\circ} 54^{\prime} \mathrm{N}$. lat., $2^{\circ} 46^{\prime} \mathrm{W}$. long.; distant 11 miles S. hy E. from Laneaster, and 229 miles N.W. from London by road. Garstang station of the I'reston and Lancaster railway, whicls is one and throoquarter miles from Garstang, is 2184 miles from London. The population of the town in 1851 was 839 . The liviug is a perpetual curacy in the arehdeacoury of Lancaster and dioceso of Manchester. Garstang Poor-Law Union contains 23 parishes and townships, with an area of 54,272 acres, and a population in 1951 of 23,454 .

Garstang was incorporated hy Charles II. ; the corporation consistn of a hailiff and seven capital hurgesses, who have scarcely any function: The town-hall, crected in 1755, is situated in the market. placc. The parish church, a commodious edifice, is nearly two milcs from the town, in a part of the parish called Garstang Charelitown. In the parish are a chapel of ease, and chapels for ludependente, Wesleyan Methodista, and Roman Catholica Garalang possesses a Free Graminar school, with an income from endowment of 361 . a year; the number of scholars in 1851 was 26 . Thero are also a National achool, a Roman Catholic Charity school, and at Churehtown a Freo sehool. The Lancaster Canal crosses the river Wyro hy a fino aqueduct near the town. Cotton-tinning and paper-making employ some of the inhahitants ; and thero are corn-mills and worsted-mills on the river Wyre. The market is held on Thursday, and several fairs aro held in the course of the yenr.

GATEHOUSE [KImKOUDBRGMTSMRE]
GATESHEAD, Durham, a market-town, municipal and parliamentary horough, and the seat of a Poorlaw Unlou in the parish of Gateshend, is situated on the right bank of the river Tyne, in $54^{\circ} 55^{\prime}$ N. lat., $1^{\circ} 35^{\prime}$ W. long., distant 14 miles N. by W. from Nurham, 274 miles N. by W. from London hy road, and 277 miles hy the Great Northern and York Nowcastle and Berwick railways. The borough is governed hy 6 midermen and 18 councillors, one of whom is mayor; and retums one member to the lmperial Parliament. For sanitary purposes the borough is under the managemeut of a Local Board of Ifealth. The population of the borough in 1851 was 25,563 . The livings are rectories in the archdeaconry aud dioceso of Durham. Gatenhead I'oor-Law Union contains niue parishes nad townships, with an area of 24,271 acres, and a populatiou in 1851 of 48,085 .

Gateshead forms in effect one town with Newcastle, the county town of Northumberland, on the opposite side of the Tyne, with which it is united hy a handsome stone bridge, and hy a magnificent high level hridge in connection with the York Neweastle and Berwick railway. Gateshead ls supposed to have heen a fortified Roman station. Numerous coina and other Roman antiquities have been discovered here. There are two principal strects; one descending towards the bridge is so stecp an to be almost impasmhlo for carriages
during winter ; the other, of recent construction, is of gradual descent. The town is lighted with gas, and partially paved. The parish church is an ancient and spacious cruciform edifice, surmounted with a lofty tower. Besides the parish church are St. Edmund's chapel; St. Cuthbert's church, erected in 1848 ; and St. John's church, Gateshead Fell, erected in 1825. The Independents, Presbyterians, Wesleyan and New Connexion Methodists, and Roman Catholics have places of worship. The Grammar school, founded in 1700, has an income from endowment of 12l. a year, and in 1851 had 40 scholars, of whom 12 were free. There are also National, British, and Infant schools. St. Edmund's Hospital provides for a master, 3 elder brethren, and 12 younger brethren. There are a mechanics institute, a dispensary, and an almshouse. A county court is held here. Markets are held on Tuesday and Saturday; and fairs on the 2nd Monday in April and the 1st Monday in November. Extensive coalmines, iron-foundries, chain-cable manufactories, glass-works, brick and tile-works, soap-works, ship-building, rope-making, and chemical and other works are carried on. There is a manufactory for patent iron-wire rope, and at Gateshead Fell is a quarry for grindstones, which are exported to all parts of tho world.
(Communication from Gateshead.)
GÂTINAIS, LE, a district in France, partly comprehended in the province of fle-de-France, partly in that of Orleanais, and distinguished as Gâtinais Français and Gatinais Orléanais, of which Melun and Montargis were the respective capitals. It extended from the Seine to the Loire, and was drained also by the Loing and the Essonne. Other towns of Gâtinais Français were Nemours, Fontainebleau, and Moret ; of Gatinais Orléanais, Chatillon, Briàre, Gien, and St.Fargeau. The county so-named consists of fertile plains, and is famous for its corn products, wine, fruits, pastures, and forests. It is now iucluded in the departments of Seine-Et-MARNe and Loiret.

GÂTINE, a district of Poiton, of which Parthenay was the capital, is now comprehended in the department of Deux Sèvrès. [Sevres, Deux.]

GATSHINA. [Petersburg, Government of.]
GAUL. [France.]
GAULNA. [CANDEISH.]
GAZA, now called Gazara, a town of Syria, or more properly speaking, of Palestine, on the south-west frontiers of that country, near the borders of the desert which separates it from Egypt. It consists of the upper town, with a castle situated on a hill, about 2 miles from the sea, and a lower part, or suburb, in the valley below. The population, including that of two suburban villages, is about 10,000 . It has some manufactories of soap and cotton stuffs, and carries on some trade by sea, especially with Egypt, and also by land through the desert with Suez. Gaza is greatly fallen from its ancient splendonr; but it still eshibits signs of commercial activity and prosperity. It is repeatedly mentioned in Holy Writ, especially in Judges (xvi.), as one of the principal towns of the Philistines. It was besieged by Alexander the Great, and taken after an obstinate defence. At a later period it was destroyed by the Jews in one of their revolts against the Romans : in the Acts of the Apostles (viii. 26), it is mentioned as being then deserted. It became at an early period the seat of a bishop. In the middle ages it was an important frontier town. The hill upon which Gaza stauds is elevated about 60 feet above the neighbouring plain, and is about 2 miles in circumfereuce at the basc. It appears to have bcen once wholly inclosed by walls: the sites of several of the former gates are still pointed out. The greater part of the modern city is situated on the plain below. The town being surrounded by gardens and plantations of olive and date trees, above which numerous and elegant minarets rise, has a pleasing appearance from a distance. The country around, which is hilly, is remarkably fcrtile. The port of Gaza, called Majuma Gaze, had special privileges conferred upon it by the emperor Constantine, who gave it the name of Constantin, and exempted it from subjection to Gaza. This was done in consequence of the inhabitants professing the Christian faith. Under Julian the people of Gaza reasserted their claim to supremacy over the port; the claim was admitted by the emperor, and the new name of the port was dropped. (Robinson; Le Quien; Dictionary of Greek and Roman Geography.)

## GEERTRUYDENBERG. [Brabant, Nortir.]

GELA, a Grecian colony on the south-western coast of Sicily, was founded by a joint colony from Crete and from Lindus, a city in


Coin of Gela.
Brithh Muscum. Actual Size. Silver. Weight, 265 grains.

Rhodes, in B.c. 690 , or about 44 years after the foundation of Syracuse. (Herod., vii. 153; Thuc., vi. 4.) It was situated at the mouth of the river Gela. The colony established here was one of the most powerful of the Grecian colonies in Sicily. About B.c. 582 the afterwards powerful city of Agrtgentum was founded by a colouy of Geloans. Gela itself maintained an influential position till the time of Gelon, who removed the greater part of its inhabitants to Syracuse; after which it rapidly sunk iu importance. It was destroyed


British Museum. Actual Size. Silver. Weight, $269 \frac{1}{2}$ grains.
in B.c. 405 , in the great Carthaginian invasion, and although afterwards repeopled, never recovered its former prosperity. The modern town of Terra Nova is supposed to have been built npon its site. The district in which Gela wss situated was a very fertile corn-growing tract. It was renowned for the excellence of its lentils. The territory also produced abundance of salt. The Minotaur on the coin of Gela, above, is symbolical of the origin of the city. (Dictionary of Grech and Roman Geography.)

GENAPPE. [Brabant, South.]
GENESSEE [NEW YoRk.]
GENE'VA. (Geneve, Genf, Ginerra), a town and canton in the south-west of Switzerlaud. The canton is bounded N. by the canton of Vaud and the Lake of Geneva, E. and S. by Savoy, and W. by France. It consists of the territory of the old republic of Geneva, of the district of Versoix ceded by France, and of the districts of Carouge, Hermance, and others, ceded by the king of Sardinia by the treaties of Paris, 1814, and of Turin, 1816. The area of the canton is only 91 square miles. The population of the canton in March 1850, amounted to 63,976 , of whom 34,212 were Calvinists and 29,764 Catholics, who are under the archbishop of Freyburg. This number includes the population of the city of Geneva, and foreigners who to the number of 14,928 reside in the canton. The greatest length of the canton is about 17 miles, from Hermance, on the extreme north-east frontier, to Chancy, a commune on the left bank of the Rhône, sonthwest of Geneva, near the Fort de l'Ecluse, which is a French military outpost on that side.
The territory of Geneva extends along both banks of the Lake of Geneva and the valley of the Rhône, being confined on the west by the lower offisets of tho Jura, and on the east and south-east by the mountains of Voirous and Saleve, which are about 4000 feet above the sea. These mountains howeverare out of the territory of Geneva, which contains only some hills, the highest of which are not 400 feet above the level of the lake. The territory of the canton is divided into three districts:-1, The district north of the Rhône, including a strip of land along the west bank of the lake as far as the borders of the canton of Vaud, beyond Versoix. 2, the district south of tho Rhonne, and between it and the left bank of the Arve, which includes Carouge, a neat well-built town, with 4400 inhabitants, about one milo south of Geneva. 3, the district north of the Arve, and between it and the east bauk of the lake, along which it extends in a narrow strip as far as Hermance. The principal place of this last district is Chesne, consisting of two large villages adjoining each other, which reckon together about 2000 inhabitauts. Numerous other villages are scattered about the whole territory; and the immediate neighbourhood of Geneva, both along the banks of the lake aud in the direction of the principal aveuues leading to the town, exhibits extensive lines and groups of country-houses, which form handsome suburbs.
$\Lambda$ bout one-third of the territory of Geneva is sown with corn, another third is pasture-land, a much smaller proportion is planted with vines, which yicld an indifferent sort of wine; the rest consists of woods, orchards, and gardens. The deficiency in coru, cattle, aud wine, for the consumption of tho town of Geneva, is supplied by the neighbouring countries. Manufactures and commercial speculations form the principal sources of wealth. Watches and jewellery are the principal manufactures: about 100,000 watches are made annually and exported to France, England, Italy, and other couutries. Other industrial products are musical-boxes, chronometers, mathematical instrumenta, cutlery, fire-arms, \&c. There is an active trausit trade carried on by steamers between Geneva and the soveral towns on the shores of the lake.

Geneva is one of tha oldest sites in Western Europe. It is mentioned by Julius Cæsar ('Bcll. Gal.,' 1.7 ). The republic of Geneva originated in the municipal government of the town, to which Charlemagne granted certain privileges and franchises, subordinate however to the bishop, who was styled Prince of Geneva, and was an immediate feudatory of the empire. Frequent dissensions occurred between the
citivens and the bishop on one slde, and the counts of Generois, a feudal dynasty whieb sprung futo exiatence from the wreck of the old klagtom of Burgundy, and whieh ruled the adjoining province of Saroy, which is still called Geaerese, and of which Annecr is tho capital. These counts claimed jurisdietion over the town of Geneva The live of the connts of Generois becoming extinet in the 14 th contury, their inheritance escheated to the honse of Saroy, who obtained the inventiture of it from the emperor Sigismund in 1422; and bence are derived the claims of the dukea of Savoy orer Genera, elnims howerer nover completely enforced. At tho Reformation, whleh was established in Creneva and gencrally all through Switzer. land by the exertion of Calvin, the bishop quitted Geners, and retired to Anneey, and from that epoch the town goremed itself as an independent municipality, and formed an alliance with the Swiss cantone of Berne and Frcyburg, and afterwards Zuirich. The dukes of Saroy, after sereral fruitless attempts to reduce Geueva by force or surprise, acknowledged its independence by the treaty of St. Julien in 1608.

In the 18 th century the canton of Gonera was distracted by interior feuds between aristocratie families and the popular party. These troubles furnished the French Directory with a pretence for seizing it by force, and incorporating it with France in April 1798 under the name of the department 'Du Léman.' In 1814 it was oceupied by the Austrinas, and was soon after reatored by the allied powers to its independence as a canton of the Swiss Confederation.
The tomn of Gencra, the motropolis of Calvinism on the continent of Europe, is built on two hills separated by the Rhone, where it issues out of the lake. The larger part of the town is built on the south nide of the river. The Rhone forms an island within the town, Whieh is also built upon and is a separate distriet, joined to the two banks by bridges. The distriet on the north bauk is called Stu-Gervais. A maller island, at the rery point where the Rhone issues from the lake, is planted with troes and forms a public promenade, whieh is adorned with the statue of Rousseau. A handsorme suspension-bridge connects both banks of the river with the island. A handsome quay with fine buildings has also been construeted along the south or left bank of the Rhonc. The streets in the old part of the town (St.Gervais) are narrow and steep, the houses high, and tho appearance of the streets rather gloomy. The most remarkable buildings are the cathedral church of St--Pierro, the handsome front and portico of which were restored in the 1 Sth century; the town-hall, which is a very old and massive building; the hospital; the Musee Rath, whieh has some good palntings ; the college, with a libmry of 50,000 volumen; the observatory; the 110 tel des Bergues, one of the largest and finest in Europe; and the penitentiary. The house in which Calrin lived and died is atill shown in the Rue des Chanoines, and also the house in which Jcan Jacques IRousseau was born. Geneva abounds with means of education. There is the Academy or Unirer sity with four faculties-theology, law, science, and belles-lettres, with forty profesors; the achools of drawing and architecture, industria! echools where thoy teach mathematics, physics, and chemistry applied to the arts ; a achool for music ; besides elementary and other achools. There sre also societies of arts, of medicine, of physics, and natural history ; and a rending society, which has a lihrary of above 30,000 volumes; a museum of natuml history; a cabinet of medals; a botanlcal garden, and other scientific iustitutions. Geneva is 33 miles S.W. from Lausanne, and about 80 miles S.W. from Ilerne. Towards thin latter town a railroad has been projeeted following the eurve of the northem shore of the lake as far as the village of Morges, thence running to IVerdun on the Lake of Neuchatel, along the southern ahores of this lake and that of Mome, and thenee eastward to Berne. Stenmboats ply daily on the Lake of Geneva, which is described under Lemas. In May 1850 the population of Geneva and its suburbes amounted to 37,724 .
By the constitution previous to 1847 a council of stato consinting of 24 membern had alone the initiative of the laws. The projects of lawe were lajd before the representative council, consisting of 274 members, which aceepted or refused, and inight mako amendmente, with eertain rentrictions. The members of the represeutative council were eleeted for nlne years hy all the natives of eithertown or territory above twenty-fire years of age, who paid seven florins of direct taxes, and who wero neither paupers, bankrupts, nor retvants, and harl not been condemned in any criminal process. The representative council named the members of the council of state for eight yearsi it also fixed the annual budget of the eanton and the muniofpal bulget of the town, and appointed the judges and magise tratem In 1846 the Catholic cantons of Switzerland formed themcelvea into a meparate league (Sonderbund) in order to defend themelven against the attacks of the Free Corps whleh had invaded Isucerne In 1845 under Ochsenbein and been defeated. The Goneral diet of the Confederation on tho propoan of the canton of Viirich decided (September 5,1846 ) that the Sonderbund was illegnl, to whilel! deciston almort all the Proteztnat cantons adhered. The grand conncil of Gencra howerer declined to accede to the proposal unleas meane were adopted to preacrse the peace of the Confederation, and to prevent any further attacke by the Free Corpm Two days afterwards (October 5) the radical party in the canton demanded the retructation of the decinion. On the sth the council of state reaigned
its power to the municipal council of Goneva, and a provisionnl govent. ment with the radical leaders as its members was appointed.

GFNEVA, LaKE, OF' [LEMas, LakE.]

GENNESARET. [PALESTINR]
GE'NOA, or more correetly GENOVA, Duchy of, one of the admlnistrative divisions of the kinglon of Sardinia, oceupies, with the intervening const, that portion of the Ligurian Apenuines which lies at the head of the Gulf of Genom, between $44^{\circ}$ 'g' aud $44^{\circ} 50$ N. lat, and $8^{\circ} 20^{\circ}$ and $10^{\circ} 5^{\prime}$ E. lang. It is bounded W. by the administrative division of Sarone, N. by that of Alesaandria, E. by the dnehy of Masen belonging to Modena, and S. by the Mediter rancan. The area is 1257 square miles. The population in 1848 was 545,182. The small islands of Palunaria and Tino, at the cntrance of the Bay of Spezzia, and that of Capmja, near Corvica, belong to the duchy of Genoa.

Coase-line, Surface-The arernge breadth of the country is barely $7 \frac{1}{4}$ miles, but about the middle uear Genor, it is 25 milas. The coast line does not exceed 100 miles. Along the cosst are numerous indentations, which form several good harbours, and two spacious bays, Ilapallo, and the magnifieent Bay or Gulf of Spezzia, the Portus Luns of the Romans. The surface of the country preseuts a suecession of mountainous slopes and tenncem, broken by valleys and ravines. The A pennines cover the greater part of the surface of the duely, eurving round the gulf at the distance of a few miles from south-west to north-east, and forming two slopes, from the northern of which descend the Bonnida, the Orba, the Serivia, the Staffora, and the Trobbia, all feeders of the Po, while the Gulf of Genos reeeives from the southern slope the Polcevern, the Besagno, the Sturla, the Vara, and the Magra, all of them streams of little importance.

From the nature of the country there can only be one main line of road traversing the length of the duchy. lut this road is an excellent one, ruuning along the Riviers di Ponento (western shore) from the city of Genoa to Savona, and along the Riviera di Levanto (eastern shore) from Genoa to Sarzana, and diseloelng innumerable views of the most pieturesque benuty. The transverse roads, which fall into this main road, arc the terminations of those from Piedmont and Lombardy. The only railway in the duchy is the southern portion of the Turin and Genoa railway, which is now open to the latter city.

The prevalent rocks are of the magnesian limestone, and carboniferous systems. Statuary aud other marble, alabaster, limestone, slate, coal, and asbestos are obtained. The soil is for the inost part rocky and but moderately productive, but the industry of the iubahitauts has turned to advantage every spot earable of cultivation. The elimato is temperate and on the whole salubrious, and the air ia remarkably pure. The wiuds in the mountain ravines are however bitterly cold In winter, occasioning among the inhabitants a teudeuey to pulmonary complaints; and the sirocco sometines exerts its noxious iufluence. The chief productions aro oranges, lemons, and citrona, light wine, oil, eliestnuts, sill, cotton, hemp, with figs, pomegranates, almonds, and other excellent fruits. Thero aro cxtensive forents and fiue pastures on the mountain slopes

The Genocse are a robust and good-looking people ; shrewd, aetive, industriour, frugal, and parsimonioun. They speak one of the most difficult Italiau dialeets, and have a few books of poetry printed in it, They are well caleulated for commerse, which is their real elemento The Rivieras, or maritime clistricts, furnish the best sailors iu the Mediterranean, and tho Sardinian vavy is ehiefly manned by them. Genoese vessels trade to the Levant, the Black Sea, the Baltie, to America, and even to the eoasts of the Pacific. The priucipal srtiches of export are silk, rice, hemp, oil, and paper. Thero are at Genoa manufactorics of silk stuffs, of woullons, embroidered cambrics, and muslins, plain and ormanental furuiture, paper, jowellery, dc.

Dirisions, Touens, dec. -The duehy is divided into 4 provinces, which with the area, 'maudameuti,' and population in eaeh, are as follows:-

| Provinecr. | Area in sy. milcs. | Mandamenti. | Topulation in 1848. |
| :---: | :---: | :---: | :---: |
| Chtavart | 353 | 7 | 116,077 |
| Genova | 337 | 13 | 283,233 |
| Leraste | 239 | 6 | 78,859 |
| Nori | 288 | 6 | 65,013 |
| Total . | $125 \%$ | 33 | 513,182 |

The Prorince of Chiarari lies between the provinces of Genora aud Levante, aud ls watered by the Vara, a fecder of the Magra, and the torreat of Rapallo, which falls into the lay of Rapallo. The strip of land along the cosst is rery productive; the mountains abound with chostaut woods. The inhabitants are chielly employed on the sea. Chiavari, the capital of the province, is benutifully situated on the Bay of Iapallo; it ls a well-built buny town, with about 10,000 inhabitanta. The strcets are uarrow, and the houses, mauy of whieh aro of a mather superior kind, are genemally built on open areades. It has several splendid though not very tasteful ehurches; the principal, that of Madonnn-del-Orto, is annexed to the ecelesiasticn! seminary. The Franciscan convent, in tho great square, is an implosing
building. There are several old and picturesque towers in the town, the largest of which is now used as the office of the podesti. The town has a Societa Economica, for the encouragement of agriculture, literature, and the arts. It has a lace and twine factory, and is noted for the manufacture of light willow chairs. Borzonasca, a large village with about 5000 inhabitants, lies inland among the Apennines, and is of some importance for its cloth manufactures. Lavagna, famous for its slate quarries, has about 6000 inhabitants. It contains a fine church and a singular-looking palace. Rapallo, a flourishing town with 10,000 inhabitants, extends along the shores at the head of the Bay of Rapallo, about 6 miles W. from Chiavari. It is well built; the houses stand chiefly on arcades; there are many pretty churches with peculiarly graceful campanile towers, and on the sea-shore there is a fine martello tower. The chief manufactures are lace and oil. Santa-Margherita, a pretty village on the shore, near the promontory of Porto Fino, has, including the district about it, 6000 inhabitants. Sestri-di-Levante, E. of Chiavari, stands on a peninsula connected with the Riviera by a long isthmus, and has 4000 inhabitants, who are engaged in the coasting trade and in the marble quarries of the neighbourhood. The surrounding scenery is very picturesque. San-Stefano-d'Aveto, in the interior, stands on a high hill, and has 6000 inhabitants. Varese, a small town of 2000 inhabitants, lies east of Chiavari on the Vara.

The Province of Genova lies west of that of Chiavari, and contains, besides the city of Genoa, the following towns on the east coast:Recos, a pretty place with 5000 inhabitants, has some export trade, and builds vessels of small size. Nervi, a gay-looking town, with painced houses, situated also E. of Genoa, among luxuriant gardens close to the shore: population, 4000 . It has a small port, silk and woollen manufactories, and a good fishing trade. The following towns are on the shore to the west of Genoa:-Sestri-di-Ponente, a flourishing place with about 4500 inhabitants. Pegli, population 3000 . Voltri, a prosperous town with several fine churches, paper manufactories, and 3500 inhabitants.

The Province of Levante lies between that of Chiavari and the castern boundary of the division. It is watered by the Magra and its feeder the Vara. The eastern part of the province forms part of the territory of Lunigiana, which was named from the ancient town of Lund, now in ruins, on the left bank of the Magra. The river Magra is interesting as having been the boundary between Etruria and the territory of the ancient Ligures. The capital of the province is Spezzia, which stands at the head of the fine Bay of Spezzia in a most beautiful country, and has about 10,000 inhabitants. It is neatly built; the most remarkable structures are the old Gcnoese citadel, and the ancient castle of the Visconti. In the bay, closo to the town, the remarkable appearance called 'polla' may be seen, which is a hemispherical swell of the sea, caused by the gush of a submarine spring of great abundance and power. The diameter of the polla at this place is 25 feet. Porto-Venere is a small but interesting town of over 2000 inhabitants, opposite the Isle of Palmaria. It contains two fine churches, one of which occupies tho site of a celebrated temple of Venus. On the opposite side of the Gulf of Spezzia is Lerici, which is a station for coasting vessels between Genoa and Leghorn, and has 4000 inhabitants. Levanto, a town of 4000 inhabitants, surrounded by overhanging hills, stands in the western part of the province. Sarzana, on the left bank of the Magra, in the Lunigiana, is a pretty town with 8500 inhabitants. It is the seat of a bishop, and has a fine cathedral, which is a good specimen of the Italo-Gothic. The castle and the old fortifications, which are remarkable for their massiveness, add much to the picturesque appearance of the city.

The Province of Novi lies on the northern side of the Ligurian Apennines. It is drained by the Scrivia, and by the Lemmo and other mountain torrents which swell the Orba, a feeder of the Bormida. The province is not productive except in its northern part, which opens into the plain of the Po, and is planted with vines, mulberries, and other fruit-trees. The mountains supply fino pasture, or are covered with chestnut woods. Novi, the capital, a cheerful well-built town, stands in a plain at the foot of the Apennines, on the road from Genoa to Turin, and has a considerable transit trade and 11,000 inlaabitants. It has several fine churches and palaces, and a collegc. Voltagyio, at the foot of the mountain group called La Bocchetta, has a population of 2200 . Serravalle, on tho left bank of the Scrivia, is a bustling little town-with 3000 inhabitants. Gavi, important from its position in a defile in the mountain, and commanded by a strong castle, stands on the old road from Genoa to Turin, and has 2000 inhabitants. Pozzuolo and Arquata are towns of about 3000 inhabitants each. Above the latter is a fine ruined castle.

GE/NOA, GE/NOVA, a city of Italy, belonging to the kingdom of Sardinia, is situated on the coast of the Mediterranean, at the foot of the Ligurian Apennines, in a recess of the Gulf of Genoa, in $44^{\circ} 24^{\prime}$ N. lat., $8^{\circ} 52^{\prime}$ E. long., 75 miles S.E. from Turin. The population in 1848 was 100,382.

The city of Genor stands partly on the declivity of several hills rising in the form of a semicircle round the spacious harbour, and partly on a narrow strip of ground between them and the sea. It is iuclosed on the land-side by a double line of fortifications, the external one being above 7 miles in length. These fortifications have been greatly improved and strengthened within the last few jears: the
ramparts form a favourite promenade. The higher Apennines rise immediately bohind, dividing the waters which run to the Mediterranean by the valleys of Bisagno and Polcevera, from those which flow northward into the Scrivia aud the Bormida, two affluents of tho Po. Upon the summits of these mountains, which are near enough to command Genoa, are several detached forts, called Il Dianante, I Due Fratelli, Sta. Tecla, \&c. The appearance of Genoa from the sea is truly magnificent. A succession of fine buildings more than two miles in length lines the shore; numerous palaces and gardens, churches and convents, rise behind like an amphitleatre, on the steep sides of the hills that rear their dark and barren summits above, crowned with formidable ramparts, batteries, and forts; the buildings are square and lofty, and the roofs are covered with light-coloured slate, which has a neat and pleasing effect. The interior of the town is hardly so pleasant; the streets are very narrow, crooked, and steep, with the exception of a few, such as Strada Balbi and Strada Nuova which are entirely lined with marble palaces belonging to the Genoese patricians; and the Strada Nuovissima, Carlo Felice, and Carlo Alberto which are also on a scale of considerable magnitude. Some of the palaces in the Strada Nuova have galleries of paintings, and their internal decorations and furniture are splendid. The palaces Serra, Reale, Durazzo, Doria, and Brignole Rosso, are among the most remarkable, but there are several others very little inferior either as architectural works or for the richness of their contents. Genova la Superba, as it was of old named, is indeed one of the finest cities iu Italy, in an architectural point of view. Genoa has many handsome churches; the magnificent cathedral, L'Annunziata, and the elegant church of Carignano, are among the finest : about half of the churches of Genoa, and among them some of the finest, were destroyed by the French during their occupation of the city. The Loggia de Banchi, where is the Exchange, the Ponti, or quays of the harbour the Porto Franco, or free-port warehouses, the lighthouse, the theatre Carlo Felice, the promenade of L'Acquasola, the great hospital, Albergo de' Poveri, the Ospedale del Pammatone, the former palace of the Doges, the Banco di San-Giorgio, and the Goldsmiths' Street (Strada degli Orefici), are all worthy of notice.
Genoa is an important commercial city. The exports amount to considerably over two millions sterling; the imports to nearly three millions. The principal articles of export are silk and fancy goods, rice, hemp, oil, and fruits. Genoese vessels trade to the Levant, the Black Sea, the Baltic, and to North and South America; while steamers maintain a regular communication with Marseille, Barcelona, Leghorn, Civita Vecchia, \&c. The fine harbour is bounded at the two extremities by substantial piers, the Molo Vecchio and the Molo Nuovo, and above the latter is a noble liglntlouse 300 feet high. The Darsena, or state dock and arsenal, is a busy and well regulated establishment. Connected with it is the Bagne for convicts. The Porto Franco, or free port, referred to above, consists of a collection of 355 bonding warehouses, forming a sort of town surrounded by a wall, within which neither soldier, priest, nor female is allowed to enter, except by special permission. It is under the managemeut of the chamber of commerce. There are extensive and couvenient quays along the harbour. The manufactures of the city are of considerable importance. The principal are of velvets and other silkstuffs, embroidered cambrics, woollen goods, jewellery, surgical, optical, and musical instruments, paper, canvass, artificial flowers, coral ornaments, and various other fancy articles. In the making of rich velvet, and gold and silver articles of a peculiar kind of filagree work, the Genoese have long possessed, and still maintain, an almust unrivalled celebrity; but they are also very skilful artificers in many other of the more elegant branches of mechanical art.
Genoa is a garrison town, the residence of a governor-general, and of a senate or high court of justice for the whole duchy. The French civil and commercial codes have been retained, with some modifications. The government of the town is vested in a great town council, consisting of 40 members, 20 of whom are nobles and 20 merchants, a lower council, two syndics, with various other officers. For public instruction there is the University, attended by between 500 and 600 students, a royal college, a naval school, and six communal schools, one for each district of the town, a deaf and dumb school, an academy of fine arts, public libraries, \&c.. There are also 15 conservatore, or female asylums, and various convents and benevolent institutions besides those named above.
History of Genoa.-The history of Genoa, or Genua (its Roman name), is lost in the obscurity of old traditions, which would assign to it an antiquity greater than that of Rome. It is mentioned by Livy (xxi. 32) at the beginning of the second Punic war, when it appears to have been a town in friendship with Rome. Some years after, Mago, the Carthaginian general, coming with a fleet and army from the Balearic Islands to effect a diversion in favour of Hanuibal, took Genua by surprise and partly destroyed it; but it was restored two or three years later by order of the Roman senate. (Livy, xxviii. 46; xxx. 1.) From that time Genua appears to have continued in alliance with Rome, but it was not a colong. Strabo (p. 201, Casaub.) mentions Genua as an emporium where the Ligures from the interior brought for sale hides, cattle, honey, and timber for ship-building, and received in exchango oil and wine from other parts of Italy. After the fall of the Western empire Genoa was taken possessiou of by the

Langobands, A.n. 6f1. Charlemagno afterwards took it, and put it with all maritimo Liguria under the government of a count After the fall of the Carlovingian dynasty, and during the coutesta abont the crown of Italy between tho Corman emperorn and the Berongarii and other claimants, the citizens of Genoe seized the opportunity of assorting their independence under the government of clective magistraten styled consuls. The namen of the consuls begnn to be reconded from the latter part of the 11th century. The Couoese had alrendy rendered themsolve formidablo by con. After having suffered from the Saraceas, who abont 935 surprised and plundered their town, they applied themalves to atrengthon their navy; and having allied themmelves with the Pisans they drove the Saracens ont of Corsica, Capraja, and Sandinla, between the ycars 1016 and 1021 . From that time dates the dominion of Genos over Corsica and Capraja, and that of Pisa over Sardinim The Genoose took part in the great orusado under Goifrey de Boullon, and obtained settlements on the coast of Pelestine, especially at Acre. In 1146 they took Alinores from the Moors, and the next year they took by storm Almeria in the kingdom of Granads, where they made an immense booty. The Genoese fleet on this ocension consisted of 63 galleys and 163 transports, with 12,000 land forces. In the year after, haviug joined tho Catalonians, they took Tortosa, which was defended by a Moorish garrison. These conquests excited the jealousy of Piss and Venice, the tro other naval powera of Italy. Pisa, being the ncarest, was the first to come to blows with Genon. Four wars took place between the two states: the fret in 1070 , which was short; the second iu 1118 , which was ended in 1132 by the mediation of Pope Innoceut II. ; the third in 1162, which lasted nearly a century; the fourth in 1282, in wbich the Pisans were completely defested by sea near tho rocks of Melorin, in eight of their 0wu coast, when 3000 Pisaus were killed and 13,000 taken prisoners to Genos, whero most of them dled in chains. From that blow Piss never recovered. In 1290 the Genoese under Conrad Doria destroyed Porto Pisano, and fllled up the mouth of the harbour.

The rivalry between Genoa aud Veuice began to show itself soon after the conquest of Constantinople by the Franks in 1244. The Genoese having assisted Michael Palrologus to roconquer his capital, obtained from him tho suburbs of Pera and Galata, and the port of Smyrna, with full jurisdiction over those places. The Venetians disputed with them the supremacy of the Levant seas, but after several naral fights the two powers concluded a truce in 1271 . After the fall of Piss the Genoese found themselves more at leisure to renew the conflict with Venice. They put to sea with 165 galleys, each carrying from 250 to 300 men, and sailing up the Adriatic defeated the Venetians near the island of Curzola, took or burnt 84 galleys, and made 7000 prisoners, ineluding the Admiral Dandolo. Peace was made in 1299, by tho terms of which the Gonoese excluded the Venctians entirely from tho trado of the Black Sea, where the Genoeso had formed a succeasion of colonies, forts, and factorics all along tho const, and from whieh they carricd their trade, and iutroduced Christinn cuntome far into the interior of Asia. War broke out again lu 1346, when the Genoese dcfeated the Venctians In slght of Constanti. nople, but wero afterwards totally routed on the coast of Sardinia. Genoa, disheartened by this defeat and a proy to intermal factions, gave itaelf up to Joln Visconti, duke of Milan. In 1372 war broke out again between Genoa and Vcnico for tho posseasion of Tcnedos. Genos lind meantime sbaken off the yoke of the Visconti. In this, the fourth war between Genoa and Venice, the Genoese took Chioggia and besieged Venice. The Venctians wero near capitulating, wheu Vettor Pinani and Carlo Zeno revived their spirit, formed a new fleet, with which they blockaded the Genoese within Chioggia, and obliged them to surrender. This war, called the War of Chioggia, cnded in 1381.

From that time Venice and Genoa remained at peace, with trifling interruptions. Genos was exhausted by interaal factions. To the rule of the consuls liad succeoded, about 1190 , that of tho podesta, who were chosen annually, from among the citizens of another state, in order to avoid tho partialities and intrigues resulting from family connections. This lasted with some interruption till $12 \%$, when two citizens, Oberto Spinola and Oberto Dona, distinguished for their nervices, usurped tho supreme power, under tho aame of 'captains of liberty, which they retained till 1201. They rccouciled the lower clamen to their unurpation by appointing a angistrate called Abato del Popolo, a kind of tribune wbo supported tho rights of the people wainst the noblen. Foreign captains wero next appointed, to be chosen from among the natives of places at least 100 miles dlstant from Genos Afterwards a council was Inatituted, first of 12 and mubeequently of 24 members, lialf nobles and half plebeians. Feuds and fighting oftom took place within tho town betwoen nobles and plebeianm, and between Guelplis and Ghibellnea. Both tho Dorin and the Spinola were Ghibelinea, but having quarrolled amoug themselves ther were overcome by the Guelphs, who wero headed by the famllies of Fieschi and Grimaldi, and who oxiled their rivale IJut the Ghibeline of Genos, unlike thone of Florence, wero popular among the lower claseen, and they re-entered by ioree. From 1317 to 1331, and agnin $\ln 1335$, theed factions continued to demolnte the country, an nn to render is pays the elironicler Foglictin, a frightful desert. In 1339 the citizens, weary of discord and disorder, Instltuted an supreino zagiotrate, called doge, elected for life, excluding by law all the
uoblen, both Guelphe and Guibelines, from over filling the office.

This lasted two centurlos, but not without frequent contentions between the principal citizon familice, ospecially the Adorai and Fregosi, wbo proved just as factious and troublesome as the patricinns had been. Seveml dogen wero elocted at a time, somo were exiled, and others were forced apon the community by an armod faction. The neighbours of Genon, thio Visconti of Milan, and the kinga of France, taking arivantage of these feuds, at various times obtained posseasion of Genoh. At last, Andrea Doria had the merit of dellvering his country from the Fronch yoke; and in order to avoid a recurrence of the formor fouds, lie changod the institntions of the country, by establishlag biennial doges, and councils to assist and control them. A roll was male ont of all the distinguished familien, both noble and plobcian, from among whom the doges, councillors, and other officers of stato were to be chosen. This aristocracy howover was not wholly elosed and exclusivo, like that of Venice: new fanilies might be added to it at certain timee and with eertain qualifications. This form of government lasted from 1528 till Bonaparte's invasion of Italy, when the democratic party, assisted by the French, roso upon the aristocracy, and, after a fearful content, a democratio governmcut was formed, protected by a strong French garrison within tho city. In 1799 the lirenoh, under Massena, were besieged within Genoa by the Austrians and tho English, and after most gallant defeuce the city capitulated to the Austrians, but was again given up to the French after the battle of Marengo. Bonaparte, then consul, gave a new form of government to Genoa, leaving to it only a nominal iudependence with the name of republic, but when he bocame emperor, he compelled the doge and senate to consent to the formal annexation of Genos to France. In 1814 Genoa surrendered to the English forces under Lord William IBeutinck, and in the following year, by a decision of the Congress of Vicnna, it was united to the Sardinian monarchy.

Of all her foreign possessions Cenoa retained Corsica the longest till 1768, when she ceded it to Franca. Her numerous and wealthy settlements in the Levant and the Black Sea she lost after the Ottoman conquest of the Eastern empire. In the 18 th century her nary was reduced to a few galleys, aud hor flag was insulted with impunity by the Barbary privateers. Since tho last peace the spirit of commerclal enterprise in her cltizens has been greatly revived, and the city has regained a large measure of prosperity.
(Foglietta, Caffaro, and the other old Genoese chroniclers; Boths, Storia d'Italiu; Serra, Istoria dei Liguri edei Genoveni; Murray, Ilandbook of Northern Italy.)

GENTOUS, [HinduETAN.]
GEORGE, ST. [Azores; Bermuda; Granada]
GEORGETOWN. [Cozuabia, Dist; Delatware; Guyana]]
GEORGIA. This article comprehonds not only a description of Georgia Proper, but of all tho countrles botween the Black and the Caspian seas of which Russia either bolds or claims possession, and which form dependencies of tho goverament of Georgin, or, as the Russians call it, Grusia This tract, commonly callod Transcaucasia, or tho Transcaucasian provinces, oxtends from $38^{\circ} 40^{\prime}$ to $43^{\circ} 30^{\prime}$ N. Iato, and from about $86^{\circ} 10^{\prime}$ to $50^{\prime} 12^{\prime} \mathrm{E}$. long. It is inclosed on the uorth by the range of tho Caucaaus, which forms a part of the country; on the east it is washed by the Chapian, and on the wast ly the Black Seb; ou the south it is bounded by Persia and Asiatio Turkey, having a line of froutier on that side of about 600 Einglish miles. Its length from oast to west, from the Capo of Abelieran or Apsheron on tho Caspiau Sea, to Fort Nikolareff on the Black Sea, is about 400 English miles, but mensured dingonally 80 as to include Abasia, or Abkhasia, it would of course be much greator; its broadth from the bnaks of tho Araxes to thone of the Terok, is about 350 English milea. The area of the Transcnucasian provinces is estinatod by tho Russian authorities at 68,500 square miles ; the population In 1846 at $2,648,000$.

The surface is for the most part mountainous; the northorn portion bcing almost wholly occupied by the range of the Caucasus; the sonthern portion chielly by that of Ararat. These mountaiu ranges are described under their rospectlve titlea, and to them wo refer for a genoml rotice of the physical features of tho country, which will bo doseribed mulnowhat moro in detail when we speak of the several provinces presently. But the couutry though generally mountainour contains some cxtensive plains; and tho Becnery is allogether of a rery striking claracter.

The princlpal river whleh draius the Caucasian isthmas are the Kur or Koor, the ancicnt Cyrus; tho Araxes; tho Rion, or Faz (the ancient Phasis watering tho Colcuis of the ancients); tho Kooban; and the Tcrek, beaides numerous smaller rivers and streama. Owing to tho hilly uaturo of the country only two of these rivers are navigable, and that only for flat-botlomed vessels-the Kur, from its condueuce with the Araxes to its outlet Into the Caspian Sea, for about 70 English miles; and the IRion, for about tho name distance.

The present commerce of theso countrien by the Caspian Sea is carried on from the ports of Derbend, Baku, Shamakhl, and Lenkorau, to l'eraia and to Astrakhau. Tho overland trale is with Ruwala and P'crain, ba well as with Aviatic Turkey. The commerce by the black Sca ln carried on from tho mouth of the Rion with Odesss and other Rusaian ports, as well as with Constantlnople ; and there 18 a small trafice with the highlanders of the Caucasus. The coast of the Black

Sea is defended hy a chain of Russian forts, but the garrisons have for the most part been recently driven from them by the allied fleet.

The intercourse between the countries south and north of the Caucasus is carried on hy the two roads described under Caucasus (vol. ii. col. 391). Almost the only roads availahle for traffic in the interior are those constructed by the Russian government for military purposes. But great improvement has heen made by the government in this respect within the last few years. "The hills and valleys, which were formerly passable only on mules or horses, and in a few parts in waggons drawn by oxen, are now everywhere traversed by tolerable roads; the post service is under the best regulation for travelling, and intercourse is facilitated hy a regular postal communication, which has been carried to the most distant communes." (Haxthausen, 'Transcaucasia,' p. 81.)

The climate though very varied is in general genial. The southern latitude of these regions and the high mountains hy which they are surrounded and intersected, produce that variety of climate which adapts them to the production of various plants and animals proper both to warm and cold climates. But the heat and the equal temperature as well as the small quantity of rain which falls in Georgia Proper and Armenia and over a considerable portion of the east of the country, render artificial irrigation necessary as well for arahle as for meadow land; and where, as helow Kakhetia, the canals and sluices have been destroyed or suffered to go to ruin, the country has luecome a desert.

Of wild animals there are the panther, the jackal, the tiger, the hear, the wolf, \&c. Besides the domestic animals common to the nor ern countries, there is a great numher of camels and asses. A. great variety of birds is found in these regions, of which the most remarkahle is the pheasant, which is indigenous on the banks of the Rion, or Phasis, from which river it has derived its name. The slopes of the mountains are covered with large forests, which produce beech and other timber of the hest description.

Agriculture is in a hackward state, and the instruments employed are of a very rude kind. Among other efforts which have heen made by the Russian government for the improvement of agriculture, has been that of establishing a number of German agricultural colonies, hut though the colonists have prospered, the natives have shown little iaclination to profit by their superior skill. In Georgia Proper, the mountains of Imiretria and part of Mingrelia, the land is mostly cultivated in detached farms, without intercommunication by direct roads; in other districts there are villages occasionally of considerable size, but generally small. All over the country the larger farm-houses, at least the older ones, are fortified huildings; some are surrounded hy walls, and a great many of them have strong and lofty stone towers or keeps. The agricultural products embrace a wide variety. Wheat and barley are grown largely, especially in Georgia Proper. Maize and a remarkable species of millet called 'khomi,' are the chief grains raised in Mingrelia, Imiretria, Gooria, \&c. The vine, which is indigenous, grows ahundantly in a wild state. The vineyards produce a great variety of grapes, and a large quantity of wine and hrandy is made in the country. The wine made by the natives is far from agreeable to European palates, but the German colonists make an excellent wine. Silk is cultivated in several provinces, hut this branch of industry is in a very low state, owing to the unskilful preparation of that valuable commodity. Cotton is grown in the southern provinces, but it is of very inferior quality, and insufficient in quantity for the requirements of the small manufactures of the country. It is however said that by an improved management the cotton might be brought to the greatest perfection, and its quantity increased to an unlimited amount. Tobacco is grown in Gooria. In the circle of Syknak sugar and indigo are successfully cultivated, Madder grows spontaneously in several parts of the country, but is cultivated chiefy in the provinces bordering on the Caspian. The inhahitants of the district of Derbend are almost exclusively occupied with the cultivation of it. Rice grows almost everywhere except in the highlands; and saffron is produced in great quantities in ths eastern provinces.

It is believed that great mineral wealth is concealed in the mountains, but hitherto nothing of any importance has heen made available. The country is very rich in salt. The manufactures are confined to the articles required for home consumption.

This country is the seat of a great variety of trihes, or as they are sometimes termed races, of men differing in speech, hahits, and many physical characters, yet bearing a certain general resemblauce. Firom a very early time this appears to have henn the case; for a Groek historian, 'Timosthenes, quoted hy Pliny, affirms that 300 dissimilar tribes occupied the country; while Pliny adds that in his time 130 interpreters were required in the market of Dioscurias, a town of Colchis. These numbers are doubtless great exaggerations, hut the latest and one of the best-informed travellers in Georgia, Baron von Haxthausen, says there exist at the present time more than 70 tribes, each having a distinct dialect; but then some of these languages or dialects is frequently spoken only in a district composed of a few villages. The study of these trihes is of singular interest to the ethnologist, and of acarcely inferior interest to those who are more attracted hy moral and antiquarian peculiarities. Here are first the Georgipas, the purest members of the Caucasian type, assigned by the older cthnologists as the highest class of the humau race; here also
are Cireassians, who are found on the sonth as well as north of the Terek; the Assetes, or Irôn, hardly inferior in interest even to the Georgians, and in whose hahits and customs recent writers have seemed to find so marked an affinity with those of the ancient Germans; the wide-spread Armeuiaus, from their intellect and energy, as well as from their close hond of nationality and religion, evidently destined to play an important part in the future history of this part of the globe; the Yezidis, with their worship of the evil spirit; the fire-worshippers of Buku; the Tatars, Suanians, Abasians, \&c. And each of these and of the remaining tribes has "its historical traditions, its own language and usages, and in many crses its peculiar religious rites; for although in the same village Armenians, Georgians, and Tartars are found living together, they scarcely ever intermix; each people preserving its own religion, customs, dress, manners, tribunals, and police." Moreover, as the writer just quoted (Baron von Haxthausen) elsewhere observes, "All the races who have passed through this country have left memorials behind them: in fact, there exist here monuments of every period of the world's history. We find tho dwellings of Troglodytes, entire cities cut out of the rock; the colossal ruins of aqueducts and canals dating from the times of the great Babylonish, Assyrian, and Persian monarchies; with Greek and Roman edifices, and rock-castles of the middle ages."

It would plainly occupy too much space to attempt to give a general account of the Georgian trihes: under the several divisions we may notice some of the more marked features of the principal ones; hut here it must suffice to observe that the general characteristics of the Caucasian highlanders, although there are differences among them in origin, language, and many other respects, are a strong love of inde pendence united with predatory habits. The men are generally indolent; much of the most laborious work is devolved on the females. Their chief indulgence is in the possession of costly weapons. Hos pitality is a sacred duty among all these highlanders. Whenever a Caucasian has received a person into his house he will protect him against all his enemies, even at the risk of his own life. The law of retaliation is more strictly enforced among the Caucasians than among the Beduin Arahs: to avenge the death of a relation becomes a sacred obligation which descends from father to son, unless the quarrel is settled hy a compensation accepted by the aggrieved party. Although many Caucasian tribes have been converted to Mohammedanism, the most part of them may he called idolaters, as they frequently worship some inanimate objects. It is very remarkable that the prophet Elijah is a particular object of adoration among almost all the Caucasian trihes, both Mohammedan and Pagan. There are several caverns in different parts of the Caucasus consecrated to the prophet, where the inhahitants assemble ou certain days to offer sacrifices to him. If a person is killed hy thunder, the highlanders say that he was killed by the prophet Elijah, and consider it a great blessing for him. The burial of such a person is accompanied with the songs and dances of his relations, who rejoice in his death instead of mourning at the event. They are much attached to their ancient superstitions and traditions, and there is little douht that in these and many of their peculiar religious observances many vestiges of their primitive faith and habits are retained.

The attempts made by the Russian government to civilise tho Caucasian highlanders for a long time proved abortive. Within the last few years however, according to the statement of a somewhat partial authority, more success appears to have attended the efforts of the Russiau government to introduce European education. "Iu Tifis, Noukka, and Chamaka institutions have been established to promote the cultivation of corn, silk, and wine ; and in the government department artisans and labourers are trained for this wide field of agricultural enterprise. Free instruction is provided in the excellent military schools for the sons of the numerous and poor nobles. Every chief town of Georgia contains a school, amply endowed, for the education of the sons of nobles, merchants, and the upper classes of citizens. The gymnasium, and the institute for daughters of meu of rank, are supported in a manuer corresponding to the educatiou requirta. The pupils who distinguish themselves at these institutions have free admission to the imperial universities and the polytechnic schools of St. Petersburg aud Moscow. The sons of meritorious native inhahitants are received iuto these schools, aud entire corps have heen formed, principally of the sons of Mohammedans of rank, who never before passed the limits of their own country. Many of the Asiatics have made remarkahle progress in scieuce aud civilisation in the schools opened expressly for them at St. Petersburg. . . The emperor's care is extended likewise to the religious and spiritual wants of the inhabitants. The neglected state of the dominant Greek Church, of the Armenian, the Lutheran (consisting of the colonists from Würtemburg), and the Roman Catholic churches, as well as the two Mohammedan sects, was exchanged for discipline and order, with the aid and co-operation of the respective clergy of these religious hodies. Churches and chapels were restored or rebuilt, whilst education and a provisiou for the clergy of every faith were secured." (Haxthausen.)
The ecclesiastical affairs of the Armenian Church are directed by their patriarch, who resides at Echmiadzin; and those of the Georgian Church hy the catholicos, or metropolitau of Georgia. The religious concerns of the Mohammedans are directed by a mooshteud, who is acknowledged by the Russian government as the religious chief of the Mohammedan inhabitants of the country.

The government of these countrios is concentrakel in the person of the governor-goneral, who renides at Tillis, and whe is at the same time commander of a considerable military force called the Camcanian corps The governor-general determines all the civil and military afiairs of theso provinces, and directs the minor diplomatio relations with the neighbouring countries.

Until within the last few yearn the several provinces and tribes wore governed by certain customary lawn, beaddes which thero was a general code for Georgin known as the laws of King Vakhtang, which was recognised and adminishered by the liussian authorities; but in 1837 a commisaion was sent to Georgia with instructions to thoronghly cramine the conntry and the condition of its inhabitunta, and to draw apa project for its goverament. The commisaion completed it labours, and the new civil administration was inaugnrated in Jaunary, 1S41. The main object of this project was to romove the infuence of the miditary power from the civil department, and to Repmate the political department from that of justice and finance; and in orier to assimilate as much as possible the political condition of Transcancesia to that of the rest of lussia, the laws and institutions in force in that conntry, tho names of the magistrates, their functions and routine of businces, were extended to Transcancesin, with only such modifications as the condition of the country and ita inhabitants sequired.

One of the most important alterations was the abolition of the old oppresaive and vexatious system of dnes and imposts, and the snbstitution for it of a now system of taxation, consisting of, -for the conntry communes, a tithe on the previous valnation of the aggregate landed property of the community, or in its place, whero from local circumstances the tithe is inapplicable, a tax on the number of chimneys of from three to five rubles; both these assessments being valid for 15 years: and for tho town communes, a fixed tax laid upon every trade, its amount being in proportion to the number of workmen employed; and a tax on commerce proportional in amount to the class of bnsineas. There is also a minor tax on each workman, the receipt for which serves for his passport. The reforms wero doubtless well-intentioned, but it is to be feared that the very general corruption of the officials has deprived them of pretty nearly all the beneficial effect which they might have prodnced if properly carried into practice. It is certain that the inhabitants complain bitterly of the oppression they endure, and thers in but too much reason to believe that their complaint are well founded.

The Transcancasian provinces are divided into the Christian and Mohammedar. The Christian comprise the ancient czardous of Georgia Proper, Imiretia, Gooria, and the vassal countrics Mingrelia, Abasia or Ablibusia, and Snanctia, in which tho Greck religion prevaik, together with the Armenian provinces Among the Mohnminedan are clased the khanats of Karabagh, Chamaka, Nonkha, Derbend, Lenkoran, inhabited by Mohammedans of the Shecah sect, anciently* under tho dominion of Persia, and the former Turkish pashalics of Akhaliz and Alkaltaliti, inhabited by Sumite Mohammedaus Many of the lighland tribes aro however only mominally vassals of IIusaia and are in frequent revolt against her.

We proceed to notico the principal provinces:-
Georgia Proper conaints of the former kingdoms of Kakhet and Kartli, which were united nnder the domination of Prince Heraclius 11 . in the 18th centary. It contains, according to official returns, about 25,000 equare miles, with a population of abont 500,000 . The principal town is Tuplus, the ancient metropolis of Georgia, the chief seat of the commerce of the conntry, and at present the seat of government for all the Caucamian provinces of Russia. It is situated in $41^{\circ} 10^{\prime} \mathrm{N}$. lat., and $45^{\circ} 16^{\prime} \mathrm{E}$. long., and extends along both banks of the river Kur for abont 11 Enghish mide. A notice of it will be fonnd under its title The inhabitants of tho country parts have tho reputation of being exceedingly attached to their religion and country, honest, simple-beated, laborious, and brave. These honomrable qualition aro tinged with an admixture of vanity, irascibility, and some otber defects common to leas civilised nationa. The townamen are indolent, avaricious, and untrunt worthy. The language of Georgia bears a great reecrablance to the Armenian; but besides the Arinenian, which constitutes its baris, tho Georginn is full of Greek, Latin, Penian, Ambic, Turkinh, and other foreigu words Georgia was converted to Cbrintianity by Armonian iniasionarien, who Introduced Into the clurches of thi country the worship in the Armenian tongue, which however wan not understood by the people. In 410 a learned A rinenian named Mesrop invented an alphabut for the Georgiana, and soon afterwands the Hible and other religious books wero translatorl into the Georgian language. A new and more nimple kibil of letters, used for ordinny writing, wes Invented abont the loth century. The now alphabet is called by the Georgians Mkliedroolee, or the Dlilitary one, and the old one Khootzoorn, or the Eiccletiastical. The porulation of Coorgis in dividod into the following clanew:-lnt, the Uedebuli, or movereign nobles; 2nd, the Tavadis (liternlly bends), who constituto the higher nobility; 3rd, the Amaanri, or nobles; 4th, the Mokalaks, or citizens (from Kalakh, a town); and sth, the Olechs, or peerassta. The liusuian governsuent la taking possension of Gcorgia gare to the Tavadie the title of princen, and to the Annanri that of noblew. Both thewe claseen hare in Rusein the name privilegee as tho noblow of that conntry, aud have the mane right to posseds serfis. Before
the lluasina domiulon wan astablisbed, the Tavalis were divided into threo classes, diotinguished by the sum of noney paid for the nurder of an individual bolonging to their body. Thus the amm pail for the asansaination of a Tavadi of the first class was doublo of what was paid for one of the neoond : and the ponalty for the nurder of a Tavadi of the socond clases was double of that for one of the third class. The Asnanri wero likewiso divided into three olasses, which stood in the same relation to each other as those of the Tavadis. The Mokalaks, or citizen, live in the towns, chiefly at Tillis, and are genorally engaged in trada. The poasants aro sorfi in Georgia, and beloug either to the crown, tho chureh, or to the princes aud nobles.

The other towns of Georgia are, Signalk or Sykuak, the chief place of the district of that name, with about 3000 inhabitants, who are regarded as the braveat of the Georgians; Tclar, a well-built town in the Oriental stylc, with more than $\$ 000$ inhabitants ; Doochet, a fortified place, with aboat 1500 inhabitanta; Goree, a combiercial town, with about 3500 inhabitanta; and lilizabethpol, or Ganjah, fornerly the capital of a Kbanat, and the resideace of a vassal priuce. Elizabethpol is \& largo town, which contains even now, in its didapidated state, above 6000 inhabitants, and several fine mosques axi other publio bnildings. The town is fortifed, and bas been frequantly oxposed to the calanities of a siege and capture. All the towns enumorated are capitals of districts, which are called after them. In the viciuity of Goree are the siugular ruins of the rock-town of Uplas Zichi, which consist of a number of dwellings which as well as nunerous roads are carved out of the solid rock : the works are of nnknown antiquity, but the natives generally assign them to Queen Thamara, thongh another tradition accounts for tho namo by aseribing the entire work to Uplas, a grandson of Noah. There is another of these troglodyte towns at Vardsie near Zala Tmogni on the kur, whiel, like tlat of Uplas Zichi, coutains what is called a palace, as well its some other caves, evidently of a superior character; and smaller collections of similar carcms are found at two or three other placea.

Imiretia, borders north on the main ridge of the Cancasiss, and is separated on the east by a branch of it from Georgia Proper; on the sonth it borders on Akhalzik; and on the west on Mingrelia. Its nrea is about 5000 square miles; tho popnlation about 100,000 , consists chielly of Imiretians aud a fow Armenians. Being sheltered from the northeru wiude by the Caucasus, its climato is mild, and in many parts tho trees blossom and produco fruit twico a year. The largo forests with which tho country is overgrown prevent the free circnlation of air, and engender a kind of malarin. The soil is exceedingly fertile, and the climate favourable to the cultivation of all the products of warm conatrics. The Imiretians speak a dialect of the Georgian language, and are politically divided into the same clnsses as the Georgians. Their manners and cnstoms are also the same. Tha lower clasaes are very laborious, and remarkable for their physical strength. Many of them go to Tiflis to gain a livelihood by their labonr. Kootais, on the IRion, the metropolis, and tho only town of Imiretin, was formerly the residence of its kings, and is new tho seat of the provincial government. It is the capital of the district of tho sarue name, as well as that of the whole conntry. The place is divided into the old and new towu, the former of which is of grent autiquity, and coutains a church built in a splendid style of Byzantine architec ture. The new town is constrncted in the Enropeau manner, and its streets are plauted with nut, fig, and other trecs. The unabur of iuhabitants, exclnsive of the 1Russian garrison, is about 2500 . In tho neighbonrhood of Kootais is the monastery of Ghelat, which is surrounded by mountains containing anlphur springs, naphtha wells, and also a kind of black amber.

Alhalzik, or Alhaliz-lisy the tronty of Alrinnople Turkey ceded to Russia a part of the pashalio of Nkbalzik which now forms the Russiau province of that name. On the north it bonders on Gooria, Imiretia, and Mingrelia; on the east, on Cleorgia; on tho soutla, on the pashalic of liars; on tho sonth west, on the part of Akhalzik which has remained under tho Turkish domination. The area is above 4000 squaro miles; the population is about 70.000 , and consists of A rmenians, Georgians, Greeks, Kurds, Turks, Jews, and Gipaies. The country is gencrally hilly, but very fertile, aud the climato is hoalthy. Tho mountains contain nnmerous mineral springs, many of which lave modiciual properties. The country is divided into ten samdjakn, or dintricts, somo of which are goverucd by Iussian officers, aud others by matives callod sandjak-begs. Iho principal town is Akbnlzik, the capital of the province, a fortress sapposed to have boen built by the colobratod Qucen Thanar. It contains 14,000 inlaabitauta

The Armenian Provinces are composod of the khannts of lirivau and Nakhichevan, coded to IRusaia by Persia in 1828. The area is abont 7000 squaro miles, a great part of which is hilly, besides tho mountain of Ararat. Thero are lowover many plains with a very fertile noil. The products of Lirivan are the anme as thuso of Gcurgia, but with the addition of a lind of cochincal, called by the natives rod worms. The population is about 150,000 , of whom 60,000 are Mohammedans, and the rest Armenians. The Armenians are principally ongaged in agriculturo and gardening. They grow wheat, barloy, znalze, millet, and a littlo flas; and pay considorable attention to the cultivation of the vine. The Tatars inhabit large villnges, and aro chiefly engaged in breoding horses, cattle, and shcep. Bosiden the town of GBivan the most remarkable places of the province are,
the important fortress of Sardar Abad, and the convent of Echmiadzin, the residence of the Armeniau patriarch and the head-quarters of the Armenian Church.
The province of Nahlichevan, which forms the south-eastern part of Russian Armenia, is divided into two districts-Nakhichevan and Ordoobad. The climate of the hilly part of Nakhichevan is healthy, but in tho plains it is exceedingly hot and unwholesome. It contains some valuable salt-mines. The town of Nakhichevan, situated in $38^{\circ} 59^{\prime} \mathrm{N}$. lat., was in ancient times one of the most important cities of the Armenian empire, and the Persian historians relate that it then contained 40,000 houses. It has heen many times captured and sacked, yet when it was visited hy Sir John Chardin, in the 17 th century, it contained 2000 houses, besides numerous caravanserais, baths, and other public buildings. Extensive ruins attest the former grandeur of that city, which has now less than 4000 inhabitants, although the circumference of the town is about 4 English miles.

Not far from Nakhichevan is the fortress of Abbasahad, constructed on the left bank of the Araxes by some French engineers in the Persian service.
The district of Ordoobad contains about 0500 inhabitants, of whom two-thirds are Mohammedans, and the rest Armenians. This district being very fertile and enjoying a particularly healthy climate, has been named "the earthly paradise." The chief place of the district is Ordoobad, which contains about 600 houses.

A large tract of land extending along the shores of the Caspian Sen, and containing the present provinces of Baku, Derbend, Shirvan (Chamaka), Kooba, Sheki, with the peninsula of Apsheran and the islar t of Salyan, once formed a part of Alhania, which belonged to the powerful monarchy of Armenia till the 6th century, when being conquered hy the Sassanide monarch of Persia, Khosroo Nooshirvan, it assumed the name of Shirvan. For some time afterwards it had its independen sovereigns, who took the title of shah, hut were obliged, towards the end of the 9 th century, to acknowledge the supremacy of the kalifs, The rulers of Shirvan long continued powerful, and had frequent wars with Persia. In the beginning of the 15th century Emir Ihrahim of Shirvan conquered Azerbijan, took Tauris, and even Ispahan, the capital of Persia. But the terrihle revolutions which agitated that country towards the end of the 15 th century, brought it under the dominion of Persia, and Shirvan never recovered its independence. Divided among several rulers nominated by the shah, it remained under the dominion of Persia until it was gradually invaded and finally subjugated by Russia. Shirvan borders on the proviuce of Kooha on the north; on the east on that of Baku and the Caspian Sea; on the south on a hay of the same sea, and the provinces of Talish and Karabagh; and on the west on the province of Sheki. The surface of the whole province, includiug the island of Salyan, is about 8000 square miles: the population is ahout 140,000 . It contains many plains, and, except in the mountainous part, is exceedingly fertile.

The bulk of the population of Shirvan consists of the Tatar, or, to speak more correctly, Turkish race, with some admixture of Arabs and Persians. It may be divided into several classes; as the begs and agas, or nohles, the clergy, the maafs, the maaf-nookers, and the peasants. All these distinctions originated uuder the former native governments, and are rather connived at than maintained by Russia. The peasants are all free, and there are no serfs among the Mohammedans of the Caucasian provinces. Besides the Mohammedans, who form the mass of the population, there are many Armenians, some Jews, and a few Gipsies. The prevalent language of. Shirvan is what is there called Toorkee, or Turkish, which is also used in Azerbijan.

The principal products of Shirvan are rice, silk, wine, some cotton, and tobacco. The climate, particularly of that part which is called the Island of Salyan, and which is in fact the delta of the Kur, is so warm and so fertile that it would produce in the greatest abundance many tropical plants, hut its natural advantages have hitherto heen turned to little account. This island has also rich fisheries. The industry of Shirvan consists chiefly in the manufacture of silken stuffs, which are concentrated in the town of Chamaka and some villsges in its vicinity, and which occupy ahout 700 looms, each requiring the co-operation of four individuals. There are also some requiring the co-tures, as well as a few tanneries, iu the same place. The district of Laguish, which is situated iu the mountains and in a very cold and barren region, is inhabited by a population entirely distinct from that of the rest of Shirvan, who are exclusively employed in the fahrication of arms, copper vessels, and sundry metal wares, from which they derive considerable profit, as is apparent from their condition being superior to that of the rest of the inhabitants of Shirvan. The commerce which is carried on with Persia by the Caspian Sea, and with Astrakhan and Tiflis overland, is not considerable.

The chief place of the province is the town of Old Chamaka, or Shamahkee, which was celebrated for its trade during the middle agres It continued to be an important city until the beginning of the 18 th century, when it was sacked (1717) in the most barbarous manner by the highlanders of Daghestan. Since that time Chamaka has never recovesed its ancieut splendour, and it has now only about 5000 inhabitants.

The khanat of Talish, bcing situated between $38^{\circ} 31^{\prime}$ and $39^{\circ} 31^{\prime}$ N. lat., is the most southern possession of Russia. On the north it borders on the Steppe of Moghan, which makes part of Shirvan; on the east on the Caspian Sea; and on the south and west it is inclosed by the Persian dominions. This province is entirely monntainous, with the exception of one great plain which runs between the mountains and the sea. Its soil, with few exceptions, is a black loam capable of producing the most luxuriant vegetation. Its situation along the sea-coast affords great facilities to its commerce. It has two ports, or rather roadsteads: Lenkoran, which is so shallow that vessels cannot approach the coast nearer than one mile, and are frequently ohliged to anchor eveu at a greater distance; aud Sara, which is the hest port in the Caspian Sea. Sara is situated on the north-western side of a little island of the same name, and is about 21 Euglish miles from the shore. Vessels drawing 14 feet of water can come within 150 fathoms of the coast. It is the usual station of the Russian war flotilla. The industry of the district is in a very low state, and limited to the production of some silk, rice, honey, \&c. The manufactures supply a few silk and cotton stuffis. The chief and only town of the province is Lenkoran, a wretched place with about 500 houses.
The province of Karabagh, which is separated on the south by the Araxes from the Persian dominions, and inclosed on all other sides hy the Russian provinces of Shirvan, Sheki, Elizabethpol, Nakhi chevan, and Erivan, has an area of ahout 7000 square miles, and a population of about 60,000 . From its extensive forests it has received the name of Karabagh, which signifies, in the Turko-Tatar language, 'a black garden.' Many parts are covered with hills; the highest, called Saree Dara, is 5000 feet above the level of the Caspian. These hills are generally covered with wood or fine grass, and barren rocks are very rare. There is a vast plain, which has a soil almost universally fertile. The climate in the high parts is rather cold. The plains are hot and unhealthy. Besides the Kur and the Araxes, the province is drained hy numerous small rivers and mountain streams, which afford great facilities for irrigation. The products of Karabagh, owing to the billy character of the country, are those of a moderate rather than a warm climate, and the forest-trees are of the same description as those of Europe, and supply timber of the best quality. The mineral products consist of a small quantity of naphtha, copper, and salt, collected from lakes.
The population of Karahagh is very mixed, but consists principally of Mohammedans, who mostly lead a nomadic life. There are also numerous Armenian families, besides some Nestorian Christians and Gipsies. The Armenians of Karahagh have a nohility, consisting of some families to whom Shah Abbas the Great granted the title of 'melihks,' or princes, which is enjoyed hy their descendants. They have a numerous clergy, comprising two archbishops, many bishops, abhots, and several convents, besides the secular clergy. Both clergy and laity are very ignorant, and their religious observances are much relaxed. Many Mohammedan, and even Pagan, rites and customs are intermingled with their religion. The Nestorians have emigrated into Karabagh from Persia since the treaty of Toorkmanchay.

The only town in Karabagh is Shooshee, population about 6000, situated on a high rocky mountain, ahout 4000 feet above the level of the Caspian. It is fortified hy nature and a little hy art.

The province of Sheki is situated between $40^{\circ} 10^{\prime}$ and $41^{\circ} 16^{\prime}$ N. lat., $45^{\circ} 56^{\prime}$ and $48^{\circ} 7^{\prime}$ E. long. On the north it borders on a part of the Caucasian ridge called Salvat-dagh and Shak-dagh, hy which it is separated from several independent tribes of the Lesglis; east ou the province of Shirvan, south on that of Karabagh, west on the territory of the sultan of Elisooy and the district of Elizabethpol. Its length from north to south is something more than 70 English miles, and its breadth in the northern part about the same; but it narrows towards the south. The population is about 100,000 , of whom ahout 80,000 are Mohammedans, 17,000 Armenians, and 1000 Jews. The country is generally mountainous, but there are also some :evel tracts; the climate is temperate, except during the few summer months, when the heat becomes oppressive in the plains. The products consist of different kinds of grain, which are cultivated in the hilly part. Silk is produced to some extent in the plains, where some cotton is also cultivated. Some silks of a good quality are manufactured by the women in several villages. Great flocks of sheep and cattle are reared in the province.

Nookha, the chief place of the province, contains about 6000 inhabitants. It is in a valley, inclosed on all sides hy mountains, a circumstance which prevents a free circulatiou of air, and accounts for the unhealthiness of the place. Sheki, which is now a small village, must have been a considerable place, since it has given its name to the whole province. Fit-dagh, a little fortress situated on a mountain of the same name, has naturally a very strong position, and in former times served as a place of refuge to the khan, when he was defeated by his enemies.

Baku is on the shores of the Caspian Sea, between $48^{\circ} 9^{\prime}$ and $50^{\circ} 12^{\prime}$ E. long. A great part of this province is formed by the peninsula of Apsheron, which juts into the Caspian Sea. The population is about 30,000 . The soil is gencrally poor, and the climate, although hot, is not unhealthy. Among the natural productions of the province, the most remarkablo is naphtha or potroleum, which is
fonnd in great quantity elose to the shores of the Caspinn. It is drawn from wells dug in the ground. There are many salt lakes on the peninsula of Apaheron, which furnish a great quantity of ath The inhabitanta ans generally Mohammedans; they aro moro industrioun then the other Mohamuedans, and are in a comparatively better condition. At Atesch-Dja is a remarkable temple belonging to the sect of the Ghebirs, the Atesch-perust, or Firo-worshippers of the Persiank. Here are naphtha aprings, from which the gas eacaping in conducted through the dive hollow pillars of the temple, and issues as a bright finme to the height of 4 feet. Devotees visit this tcmple from the Panjab and other parts of India, as well as Perxia. An active commerce is carried on hy Baku on the Caspinn Sea. [Baku.]

The province of Nooba border on that of Baku ou the south. The western part of the province is hilly; but there are extensive plains of the most fertile soil along the shores of the Caapian. The climate is rather cold in tbe roountains, but warm in the plains. The country produces in abundance every kind of corn, with some rice, cotton, ailk, and tobsoco. Numerous flocks graze on the rieb pastures. Tbe population, amounting to about 90,000 , are Mohanmedans. Koobs, the capital, and the only town of the province, coutains about 650 wretched housen, built in an irregular manner.

Derbend has already been described. [Derbend.]
We shall now give a brief aketch of those countries wbich, baving preserved their national rulers, aeknowledge the supremacy of Inssia, and are dependent on the governor-general of Georgin.

Mingrelia.-This priscipality, whicb extends along the banks of the Rion, or l'hasia, was well known in antiquity under the name of Colcms. Mingrelia liea between $42^{\circ}$ and $43^{\circ} \mathrm{N} . \operatorname{lat}$, $41^{\circ} 19^{\prime}$ and $12^{\circ} 19^{\prime}$ E. long. It borders north on the Caucasian range, west on Abkbasia and the Black Sea, east on Imiretia, and south on Gooria Its greatest breadth is 60 , and its length about 75 English milea. The soil, climate, and productions are similar to those of Imiletia. The population is about 100,000 , and consists of Mingrelians and Suanets, with a fow Abthasians, Armenians, and Jews. The Mingrelians speak a dialect of the Georgian language, and profeas the Greek religion. They have an archbishop and three bisbops, subject to the spiritual supremacy of the eatholicos of Georgia. The Suanets, who are a highland tribe professing partly the Mohammedan religion, are divided into three classes-princes, nobles, and pensants. The little town of Sennakh is the chief place of the country, and the residence of the sovereign who is called Dadian. Russia possesses on the coast the fortresses of Redout-Kale and Anaklia.

The principality of Gooria has long been governed by its own sovereigns, who ure descendants of the Georgian dynasty, and were vasmals to the Ottoman Porte from the 16 th century until 1810, when its ruler becamen raseal of Rnssia. Gooria lies between $41^{\circ} 40^{\prime}$ and $42^{\circ} 5^{\prime}$ N. lat. ; it is bounded N. by Mingrelia, W. by the Black Sea, E. by Imiretia, and S. by the Turkish possessions. The country is very hilly, and covered with large forests, containing excellent timber for ship-bnilding. The soil is the most fertile in Georgia; the productare the eame as those of Imiretia and Miugrelia The population, whicb consists of Georgians, and some Armenians, is about 40,000 , and is divided iuto classes of princes, nobles, \&c. as iu Georgia l'roper. The religion is Greek, and the church establiahment consists of an archbishop and two bishops, under the spiritual superintendence of the catholicos of Georgia, The most important place is the Rusaian fortrees of loti, at the mouth of the river Rion.

A notice of Daghestan has already been given. [Dionestas.]
We add a few particulars about the petty states whicb acknow. ledgo the aupremacy of 1 lu asia, and are considered as part of that empire.

The possessions of the Shamkhal of Tarkoo, which contain about 50,000 inhabitants, extend along the Caspian Sea. The Shamkbal, althnugh a vassal of Rusis, governs bis possessions with unlimited power. Tarkoo, the capital of the Shamkhal's dominions, situated near the Cappian, contains about 8000 inhahitants. Near it is the fortres. Boormayn, which is garrisoned by Russian troope. The supremacy of the Shaulkhal is nominally aeknowledged by the Leaghian tribe of Acooelia, whlch is $n$ kind of republic composed of about 10,000 familien, who are much addicted to predatory habits, and are ready to enter the service of anybody who will pay them. They nerer attaek the Shamkhal, ou whose pastures they are permitted to graze their flocks. Having rovolted, they were defented by the IRuxpian in 1819, and since that time have remained tranquil.

The other vasasl princen of Rusis in those parts are the Ootamey, or prince of the Karakaydans, who rules over a population of about 80,000 ; and the Cadee of Tabassoran, having a jopulation of about 50,000.

Leghistan, or tho country of the Leaghim-Tho Leaghis inhnbit a
muntry aituatexl between Dagheatan, Georgin, the Cuncams, and the proviuce aoguired from l'orvin Klaproth is of opinion that the tribe of Avars, which in the most important among the leaghis, is descended from the aneient Arars, who were a brauch of the lluns, There is great admixture amongst the Langhin of Arabian blood, from the colonies which were settled there in the 0th century by the kalifa of laghdad. Like all the Caumaian tribea, the Leaghis are of a mavage eharacter, and given to robbery. They aro exceedingly brave, and capable of onduring tho greatont harlahipa. They are most nccomplished horsemen, but fight equally well on foot; aud are always ready to sell their services to the highost bidder. The majority of the Leaghian tribes profeas the Mohammedan religion of the Sunnito nect.

The highland tribes of the Mitsdjegi, or Kistes, are divided into fonr branches-1, the Kistes Iroper; 2, the Ingooshes; 3, the Karaboolaks; 4, the Chechonzes. The amount of their populatiou is very uncertain.

The Ossetes, wbo inlubit a large tract of the Caucraus, and con8 stitute a population of about 33,000 families, are entirely distinct in language and physical constitutiou from the other Cnucasian tribes, and appoar to bear a remarkable affinity to the ancient Germana, A great part of this nation, oceupying the southern slope of the Caucasus, was reduced to aubjection by the momarchs of Georgia. They profoss the Christian religion of the Greek Church; and although they have preserved their own language they resamble in many respects the inhabitants of Georgia, of which their country now forms a district. The Ossetes who inhabit the northern slope of the Caucasus have preserved their independence, although they are uominally subject to Russia They were carly converted to the Christian religion, which however they have absodoned; and, except some obscure traditions and supcrstitious observances, and a great veneration for the ruins of ancient churches, they have scarcely any religion whatever. The Ossetes are a laborious and sober people. They are chiefly occupied in hunting and in rearing flocks, the produce of whicb they exehange for different objects of necessity.

The Abases, or Abkhases, occupy Abasia Proper, which extends from Mingrelia along the shores of the Black Sea, a distance of nearly 70 English miles, and contains a population of about 50,000 , under the nominal dominion of a prince who acknowledges the supremacy of Russia. The Abasian population is not bowever confined to that little district. It is intermingled with tbe Circassiaus all over the country that extends along the eoast of the Black Sea as far as the banks of the Kooban. Their number may be about 150,000 .
The great and little Kabardahs are inhabited by Circassians who bave suhmitted to lRussia Their population is composed of about 15,000 families.

History. -The countries on tbe enstern sbores of the Black Soa appear, from the history of the expedition of the Argonauta, to have been known to the early Greeks, and scveral Greek colonies, such as Dioscurias and others, were established bere at an early epoch. The Romans became acquainted with the Caucasian regions during their wars with Mithridates and with the kings of Armeuia Townends the end of the lith ceutury they were invaded by Tamerlane, when they suffered even more than under Geugis Khan. After the death of Tamerlaue the kinge of Georgia expelled the Mohammedans and resumed their power; but tbo unfortuuate division of the country whieb Alezander l., king of Georgia, made amoug his three sons in 1424, plunged it agnin iuto a miserable condition. From the 16 th century the czars of Moscow bave endearoured to establish their influenco in the Caucasian regious, and by degrees the chiefs became subject to them. In 1810 the chief, or sovereign, of 1 miretia made an unsuccessful attempt to sliake off his yoke; but he was obliged to flee to Turkey, and his prineipality was converted into a province of Russia. Several other petty atates fell successively under the same power, wbose conquests were extended daring her last wars with Pcraia and Turkey, and confirmed by the treaty of Turkmanchay in 1828 with Perain, and tlant of Adrianople in 1829 with Turkey. Since that time Russia has been chiefly occupied in endeavouring to subjugate the semi-independent bighland tribes, to consolidnte lier power, and to assimilate the education, laws, and government to that of the rest of the Russian empire. In this the Russian government appeared to be steadily working out its purpose, but the events of the war now in progress ias already producod some, and may produce many more, changes in the condition of this country.
(Sir llobert Ker Porter, Travels in Georgia; Klaproth, Reise in den Caucasus und Geurgic; Hichwald, Reise in den Kaulasus; Gambs, Yoyage dans la Rusrie Meridionale, Baron von Maxthauson, Transcaucasia, Shetches of the Nations and Races between the Black: Ses and the Caspian, Loud., 1854.)








[^0]:    * Mare Leonis nuncupatur quod semper asperum, fluctuosum, et crudelc."

