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## CHAMBERS゙S

## ENCYCLOPEDIA

A DICTIONARY

${ }^{\text {of }}$

UNIVERSAL KNOWLEDGE

## NEW EDITION

TOL.VI
Hemper to Malta


## WILEAAL A ROBERT CUAMBERS, LIMLEE IUNION AND EDHNTERGII

 J. B. LIPHINCOTT (ONHANY, PHHADEMPHIAI 1901

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|  | Sextceer. |
| Inumi Temripone | Lem, Robert Ebivare. |
| Inlemsen | Lancoln, Abrimhim. |
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| Jefrerson. Thorlis. | Maine. |
| Johngon, Andrew. |  |


| Among the more imprortent articles | in this Vrolume are the fiollomeing: |
| :---: | :---: |
| Hu'Me. D..vid ........... J. Hu.i. Brıtos. | Kean: Kimbble........ Robert W. Lave |
| Husgany............... Burtholomew Gexszt. | Keats.................... F. T. Pidimave. |
| Hi¢t. Leikh .......... F. Hishes Grumat. | KEble. ................ Res. lpal. W, I. и\%. |
|  | KENT; Lincolnc........ J. C', dik+umis. |
| IIymbonivivics . . . Prufoshir caminl G. Kxatt. |  |
| Hydrosens........... . Ib I. Impmiv. |  |
| IIydhophobla........... M. Pınthil \& lind. J. A. Thomson. |  |
| Hygiesta.............. Hr Svimith Whats. |  |
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| Hypsitiam. ......... Dr R W. Felkis. | Korin.................... Rav. Jary Ma, \%. |
| Irses: Lpasing......... J. T. Beabbr. |  |
|  | Lace: Leather....... Jases Patus. |
| Idiho: [ndian Ter... Jaruteg W. Rymmay. | Lafontane............. Wadere Whytio. |
|  | Lakedwellings....... Josemif Andersor, E! D. |
|  |  |
|  | Lamıx................... Whalay Los be |
|  | Lincasimbe.......... F. Fiumbars |
| Illi\&tratios ......... J. R. リumbav. | Livd Laths............. J. Burd-Kinsutt. |
| [mmigration........... Arvorf Trute |  |
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|  | Lematrio da Tingi... d. M. Gray. |
|  | Le SAlie; Lloreste... Johs Grysbr. |
|  | Leyden, Johio.......... Robert finhrave |
| International Late., Jimes \% Ihame. | Libeia.. .................. Fration If ite |
| Iow i... ............ . . F. W. Hurarielit. |  |
|  <br>  |  <br>  |
| Iros.................... W. Mithri Williave. |  |
|  | Ligitwinfr............. R. T. 日mosd. |
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| Islasd; Latitude... [itgh Roberi Mall, D.sc. |  |
| Isuchates; IdeUs... . F. L. .teross. |  |
|  (Lituraturu) |  |
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| Jerrolit, Dolitas..... Warthe Jembuid. | Locke. ................... Profestor A. Cisurwis. Fresere. |
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MAPS FOR VOL. VI.
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IRELAN1)198
ITALY ..... 240
ITALI. ANTM! ..... $2+1$


A DICTIONARY OF UNIVERSAL KNOWLEDGE

 Imblerr, the estuary of the rivers Guse and Trent (and so of the Uave. berwent, Wharfe, de.), mons east and then smath. pint for a lengeth of is miles, -品matino the counties of York and Linenln, with a breadth varyiner from 1 to 7 miles. Its. drainage lanin, with an area of 9700 milen, is the lareet in Fngland: and low mean of navigathle strame amb eanals the Humber is comected acros- England with the Derser, the Severn. and the Thames. The navigation is obotructed, e-perially on the north side, ly banks and shoals. The Inmber was the southern bomblary of the ancient hinglom of Northumbria in the wider sence, and of I ira when Northambria wasdiviled into Bernicia aml Deira; Dercia lay sonth of the estuary. By way of the 1fumber Sines and Sorthnen made many terrible incor--hom- into Eneland, notably in sisi, 1013, 1066, and 106:. The great port on the Inmber wa aneiently
 The procesc of erosion hy the -ea wat alrealy at wink whon Henry linlinglorke landend here in 13:90; won after the fitace wan wholly covered ly tha" "ncraching water, and 11all howne the port on the math :hare ats (irimaly now is on the rometh.



## Himblert. Seq lous.

Humble-ber. Seq Reve
Hamboldf. a river of Nesabl, rian in the NE: pate tif the state and llow- Wisw, to Imabolits


 bmperenateol with alkalime mattor. The rewion thrangh which it fons is hatron, and thas hatas abe alestitute of trex or shmbs. The commal Pacilie liailroad rum thromigh the valley of the Immbulit. 261

Homboldt. Friedricil Heivaich AlexAXDEL, Bamps vox, one of the greatest of natimalists, was burn at Berlin, 14 th September 1769. IIis father, whom he lost when he was not quite ten yars of age was chamberlain to the king of Prusiat. He studied at the univerities of Frank. fort on-the-dder, Berlin, and Gottingen; and during hiv re-idence at (rittingen (1789-90) he mate those visits of scientilite explomation, the fruit of whiel was his first inderendent work, a treatise on the basalts of the Rhine. In the opinge and smamer of 1790 he made a tome throush belgium, Ilobland, England, and France, In dume 1791 he fatered the Binins Acadeny it Freibers, where he enjovel the intructions of Werner. His eight monthe' re-idene here lell to the pmblication of his Flore subtermmot Fribergonsis (1743). Ite was afterwarls apmonted to an oflice in the mining department, and sent sme veare in thin capacity, Chody at the Fichtelgetrige in C'per Vmanconia. III fesemehes here resultel in it work on the irritalility of the masemlar and mervous fibres of animals (1ze9). The deane of visiting tropical cambtros, howeva, led bim to rexign his oflice, and flewte himmelf entimely the st mof of natue. Ile suent three montlis at dena, where he was the intimate asenciate of Comethe and sithiller, At buris
 afterwards his contration in maty and varims
 from the Spanisl gowemoment torit atl the
 Weran. Ha cailed from Commat along with hom-

 vations, (On lith buly they arrisal at fumana in
 - Mglayed at van extent of territory in what are now
 it in llevien, which they wrond from wort to gist.



arrangement of his ewlections ant manustipts, and jointly with Gay-Lusar malle experiments on the chemical emstitution of the atmonhere. Haw ing visited ltaly, and returned to Berlin, he arompraied lrince Willullu of lansia in ison on a politiend miswion th Fance, and ohtaned lease fome the wivermment of his own coontry to remain there for the phination of his travels, for which the disturled state of Germany at that time did mot allow poprer oportmity. He comtumen to reside in lanio till 1sea. The wivh of the king that the shond recide in his native comatry wan gritified in 1s2-. When he procemed to Derin, and there, in the winter of $1825-25$, he grave lastarex on the Conmos, or fhesical miverse.
 Emprom Nichelan thenambingom a well-apminted expedition to the moth of Asia, to explome the Iral amd Jtai Hombtains, Clomose Dhugaria, and the Canpan sea. In this expredition llanhondt wa, acempranied ly his twa friends Ehrenbery and howe It prinipal remits were the acientific examination of the helk which promece cold and platima, the dimequery of diamonds in int extra. tropical region, the astrommical tetemination of fomitions, :manetie otwervations, and genheral and hatanical collections. The whale jommey
 atill is deveribeel in a worls by lime ( 2 vols.
 1s43). The political changes of the year 1830 leat to Humboldt: emphyment in pulitical norviers; he wa eheren by the hing of l'muia to eamy to larihii recognition of Laminllailiphe, and chring the enonine twelve year was frephenty sent to Paris tor reside for four or five momthe. lle acempanied the kinge of Prowia also in visit, to Englan!, Denmark, de. buring this than he publiand hi-

 later year of his limg life at Berlin, where he aremped a high panition at the lramian comrt.
 has heen manimomoly womated as one of the greatest ocientitie womionar julbinhed, exhinting It mont lucil aranament mony of the pineipal facts of the physical semper and theil relations to each onher. The style. how over, is matewhat lueasy, ant, seen from inr present stamponint, the aththons diews ate in many repertsilefertive. The gem of the work was the wothors leeturee in berlin in 1sen, themselver purtially bacel om liin Ausichten der Situr (lsios). Ilmmbeldt died in lis ninetieth year. May di 140.

It is not easy to estimate the amome of Ilmm-

 siome to his travel there dming which la a atro. nomically letermined mon that 7 on positions, and he batomion moch lalome on the perparation of the
 Garometrial observations were likewine very nmmemos, as well as his ofservatioms an all prints com-
 for the mont impertant wheraliations equerning
 tinetion alon bey his labomin in the letemination of the magnetie "fuatom, and hy his oloervatiom on elactrical cels and un the gevimation of fix hes and
 the great work of the dmarican fonmey oromperd f wenty yeare of his life: ant in lis work he hat the aswistane of many of the mont eminent sientiots of the time Cowier, latmille, biay-




edition lueing hot excepts. That title of the whore is


 Hemboldt: and it falls into six sections, stme of which and their part- are quoted as selparate woms


 S.e. Itmolaht is monewtimatly ane of the great digures of the century. and in private life wan remakable for henevonce amb himblinen, whilo his most emppicuous defect wa- vanit.:
See the great lingraphical work, edited by dirubns. Alecander rou Hunboldt: , ion misenschettiche hiowyrophit (15i2: Eng, trans. 1sia); and Lord Houghtmes Monmerephe (la73). His correxpondence with many of the most eminent men of the time has leen yublisheil in many separate works-thus, that with Varnhasen (1vi(1), with Von liamer (1sit)), with Goethe (1576), with ('amper (1sin), with his licther Wilhelm (1880).

Humboldt. Kisil Whames ras, the haper hrother of the prevetine, eminent as it statheman and for hiv whro on phiblogy, isthetio amb


 ties, astheties, and the Kantionghilowohy, ar well as law, to which he profersedly levotel himelf. After traselling in Cermany, France, ant switrerland. he acynired the rank of comsellor of lagation, hat Showed litta inedination for ofticial emplorment. In 17:9 he married, and for some batis

 with Schiller, and dewtime himelf to goetry and other litemary and eciontilic purnits. I saluable memorial of his friemohip, with schiller is the wor Popmdence between them. from 1797 to 17:9 Hnmboldt resided partly in lario amb partly in Gran, and in lsol lucame l'rossian resilent at Lome, where he remained for a munber of years in this capacity, and in that of ministerpleniphters.
 men of seience. From limme he retmmed to his mative conntry to fill the high pace of fust mini-her of Publie Inetruction. The leedin minerits aneal it- existence to him. In 1870 le went to ${ }^{\circ} \mathrm{j}$ mat a- mimiotr-pleninotentiary, and from thi thos he
 in which his comotry was concernet. Ifter 1019 he resided chiegly at Tewel, where be laid mit line Jeanuegrombs, and fomed a moble willection of sculptures ly the ereatest masters. She diol sth Amil $1 \times 3$.

Ilis eadient literars work were rollected he him.


 limmelt with the greatent anominty the thenty of philolosy amt was the first to make the stad of

 arions thentions ammedat with oriatal literat

 l:monage in las ( 3 wos. 1 s:36-40), puldi-lued after
 to this, On the tiariety of structure in Ilmana
 on the intellesthal puesene of mankinl, math at

 his whatere in at mos prive and andiabla light.


 hrother Slexamber (1sso).

HItme. Divid, phifmather and historian, wat
 His father was the laind in proprow of the wate of Sönewells, in berwithohire, lint batid, being the younger ent, hat to make his now fortmo with me Ghor awitance than an education and the inflomet of his rewertahbe family. Ifo wan mbeated at hame and at the miselisty of Edinhmoth. Itio
 mitter to the initial step of tha prapry pratical traming. hot it was mot a pmonit he his likines. fererting it, he mate experiment of a moramtila life in briotal: hat comberce wa- mot more congenial to him than jur-pmdence, and he wase it a rery dant trial. Ile mom brame a thent, dewat ing himself tolm, with no settlod partical ohinect

 canced apparently hy the effect- of monomom--tuls. At twenty-three year of ate he went to Frane ath livel ome time in lat Folien, where he dewribe himedf an wanderin: atout in sulitmle, and dreaming the drean of hi- bhilondm.



 ing to paralos, much monlifed in hi- later warks. Athongh the dawn of a nesw era in philowndy. this hook was little noticel: in liv own wom "it fell deakdurn irom the fres.' It was a work of demolition. By enarating the impremionor idfat created on the thinking mind lay an external worlil from the abmbute exintme of that world itself he sowed that almot eversthims concemins the datter wa taken for grantol, and he demandeif prof of its existence of a hime not yet atporden. It was thes that he set a whole amy of philo-pphers at work. either to refute what he had atil. ar serimoly to till no the blank, "hich he diververen: than he rase the urimal imbule buth

 he pullinhed two -mall whmo ealled Essots Mond Int Politural: they were marked ley leanine and thangh, and elequaty writem, lut are mot amone the more remarhathe of hi- work.

He felt keenly at thi time the want of ane lixed Incative formit, and ha lomener for interember
 and philmophical purait. Ho wim indued to beome the companion ar anatian of ath insane nobleman, an! hath to mis with the jeahnoies and mercenary aljects of thme whe maturally gather round such a tentre. In 10ts he obtained it rather more rangenial apmontment at- - merary to dentral St (')air, whom he acempatmien in the expedition to the eoat of Frane and the attack on l'ont
 pany: thin affair had mo inpment monlts. lat it


 impreanme of llallamel, tewnans, and Itaty, whels








 mot mane poldie matil after hia deall. In his




 moners. Itere, apain, he made an mat in literatha, for in this little work lur ammane d lase primpigle:
 free trate, which it $f+11$ to his frient Alatu suith more folly and compehensively thendols. The wat apmonter at thin time herper of the Soreater hinatry, with a sery small salary. whidh he desoten (1) at charitable purpore. it wit- late that, surrombed with bowle, her fomand the dimisu of writing the history of Enelaml. In 1-ith ho b-aned

 presently completed this gertion of the work in a vecond whme, lomeing it downt the thevolution. The seemot whom attacted more notice than the tirat hatl fome. Ile then went hachwani- thanagh the Home of Tador. and enmpleted the wark from then Liman perion downwardo in litie. While employed he pullished Finer /hissorfotions: the Sirturiel History of hidioina: of the l'ossinns: of Trugely: of the Stontarel of Fisfe (1-5:). T'wa other diourtations, intunded to stemmpans thene, were cancelled he him after they were pintedthey are on suriside and The Rumomalty of the sumb, and were subathently printed in his wirk.

In $171 ; 3$ he went to France ase seretary to Lomd Hertform- embans: here ha, wat in his elemomt, and fomm fame at lant. He hecome faniliar with the lobilliant wits and satants of the latrian
 buth. Didernt, Bation, Malesherlhe, ('rebillom, and the ret, as well as with the handly les
 and Levginame. Hin momon in lotrin was montmate in hingime lin into intimaty with thr rontles. vain, and velformenting lanwean, who, after exeriencins muth onhotantial kimhem
 nemarahle gharrel. After his letmon homes in
 -ecretary of State for the Home bepartment. In himown Life le sas : I retarned to Edinhareh in


 hone my ease ant of seems the increate if my regntation. Ifis health save way in 1 oit and he


Hume is the outconme of the empirical ghalosmply of Lucke. His philowohical writings do not form a $s y=t \cdot m$, but diseuss many of the sabint idens of philonghy, mamly in a setptical ur destmetive manner. Ifleas are lut weakentel cuphes of 'impressums' of the senses, water
 ideas; the juea of cause deperads on the labit of mami wheh expects the erent that asnally follows on :anothor, and there is man meessary eommetion butwedn bame amb

 for hantoric martiality (in a Jatur editinn mon than at

 and has ben latgely sumpeded hy mose mondem wat-: lout new editions. wath or wathont the comandathon ly















see leshlie Stophen＇s Eunhesh Thumeth in the Eithhtecuth
 sc．There are shont monugraplis by Prof Iluxley（＂Eng－





 lmow，amb in $1^{-a}$ becante asiztant－ammern in the



 atmonset which wers those of interperter stal emm－
 petamed lu Vinglaml in lvos，hin fortme mate．
 James Slill and Bemblath，he sained almisions to porlisment，sitting the memher for Weymmoth
 sucem－ively，this liにt from late is liss Jeath，which
 mising banesty，an instimetive hatreal of ahases，an imsati love of libery amd an mothohing will to
 experience of men lerivel hy himself hamor tha

 mont pratical，of refommer in at rofming age．

 lambia，fremban of trate witl lmbia，almbition $n$







 ｜lalnaed to make the buke of＂umberland kinne on the deceaz－of Willizan IV



 （\＆になEL．）．

 of the smotre of the Maso athe of limediotion，tho





 atme thon，after a severs years comerot tomb in



















 conctar in this uginint as to the relationshig of the family ；they resumble in their hathit and in hollander

 ancy of hmmonnerimk，the extreme mphetity with wheh they dart thromgh tha air，that hoveriner
 with hmmanime mand of wine which move so

 alisobery of Amerisa．＇Ther limimutive size uf almont all of them－some of them loeine the suallest of bials，and if stripued of their feathur mot lareer
 renter then whieets of interent．Whilat thas phamide of the different apecies exhibito ath almos emollem
 porqeimsly brilliant metalie lmes known amoner



1，Kworl－hill Hammang－hide（forimentes enselte）：
 c，ci，mate and fomale＇Infted（＇onuette（Lozkornis arnatu）．
in lane．Ilmmanne bird are entimely contmed to the
 LIM alomt $\left[\begin{array}{l}0 \\ 0\end{array}\right.$


 mombtind trat－even alowe the now line．

 की thathll exhilitinu：：wandertul andiptation to the









 in：rombl the hath of the shall 10 the formatat， where they meet in a posint latme that lime at the
 filamonts，joined losether for the womater part of



 that ínt that rimitar reytiremsent offort ramse
develophent of similar structuren in animalo other wive distmet．＇Tlue wines of hammine hidn are
 Jength lating qutionlarly marked in that purtom of
 hance the nam ．Marnochines which is apdind to the gromp．Hummine－hirds emontruet their mente with nice art，sematly of lichon－and of limons sho． stameen，atuch as mothat．They dor nut lay mame than twosers．Thes are wery bold in defence of their mex－amb somas，amb are sall to strike forar lessly with their needie－lika hills at the eye of limh of prey，whel they far anpanin anility and rapility of thight．They are sery eabily tamed and remeral familiar，and have been knon to return again in －phing，after a winter mispotion tora watmer elimate， to the window from which they had bean alhomed to escape．Attempta to kepe thated lomming livin have generally failed ：and they have ahoot mever been bronght safely actore the Atlantic．Hmm－ ming－lind skins were andently used ly the Mexi－ cans for making pictures．
riee Johu foull＇s magnificent 1 Iombeterthe on the Troo chlift（ $\boldsymbol{\sigma}$ rols．1849）．（Gould＇s collection of specimens was bought for the British Mluseum．

Hmmming－bird Moth．See Hswк－мити．

## Homonirs．Homorall Pathology．See

## Temperinmesi．Hurberites．

IHmperolinck，Exiblibelet，comprary，was born al sieghar，hear lonn，ha Siptember 14， 4 ；
 Munich，de，and tracel－in France，spain，and laly，tansht in tha comeeraturimas of Batelma and Cobme and was museal adsiser to at puldish－ ing linn in Manz．Wragner mbumbed him to assist in the production of that materes only symphony：and it wa－he whe prepred and crached the firat cast uf Pamsifel at Bairenth （IS52）．Dle subsequently sethen in limalfort （ 1 s！o），and berame famions an the anthor of the
 fairy llay，hlensol mum trietel（1s94），which was followed hes Sehmeritloten（＂The Smow Maiden＇） and The Rogut Chidenn．

## Honchbark．See spasal Chemas．

MIndred．in Enslifl law，an ancient sul， divi－ime of conntion the athe of which probaldy arme from there ！mine a homben warmon，on ber－ haje a humbed families，ur ten tithins．in cunh
 committed，shels as robrey，maming of cattle． burnine of starka，do．，the humben had to make it
 significance．bint the chatartmintio of a hamires is still this，that it has a constable of hailiff sum when

 lumbend for the damare．In mider to secure thia remedy the prarty or hi－servant mat，within andol days，in before a ju－lice and rastas to prosecute the oftomber，when apmehented．Sor．where thare is nummand．the manty，or eity，of thwn is liatile in like maner．Fixeentiom is lavime on the treannar of the conaty．In the mothern montion















 and Slamma（mmimally alon labmatia），amb Fiame，it forme the restlan of the crown of st Steplow or Trandrithanis，which is a ementuat dactor with Justria of＂ishithania in the empion－ Lingdom rulad over by the latintary dyanty． The two state form a mion mader one monation for military，diphmatio，and cotomin furpors． lat ，therwive retam their di－tinct indmpenden⿻日禸 of eatla wher．The fonm of it－swemment ats well as it．genguphical，indutrial．and statiotical faturon having licen dealt with in the artiele

 monntry，of itw ehof and ruling inhalitants，the Mans：

Mistery－D lint little is hamw of the history of the Immparian previons th their apmeaman in Emope in ssi．They are generally helieved to be the demendants of the serthians，and to hatre come from regioms thont the（ ioppan sea．They firat wethed alons the Midde Kolga，Int，having hoen prosel wentwade，they in sisg aromed the（＇ar． pathian Nommain moler Nhon，and monder the further leanterap of his mom Arpat they compluered the ancient Panmaia and bacia of tha，Romans： and this，their new ermatry，was in the year boo frmed into a rembar kinghm by stminen．for lii－merit－in（Gristianimg hi－perple stephen was afterwand createm a saint，and rectivel from P＇ope Sylvester II．tha title of＂apomblic hins＂ amil a crown．Inth of whiclt have heen worn ha all the hinge of Humsary the prent day The Hungrian were at fira an extremely wablike and
 the varon matimalities inhahting the ancient liman fowinces，that mate freplent mpeditions

 on，and even hefore，the aremann of steplen，who thraed his attention andely to the romaliatation of
 lak the foundation of mans intitutions survi－ ing th the proment day，mely as the welcojantima organiatiom，the arehliahuriman hiohorics，the mimicinal and comoty moncils，and even the natimal comacil，which eryentually derelned into the biet of the Statos．Within tion deradem after
 thros Christianty，wid torewtahinh Paganion， lout only with very li，nt and temprary anco．
 （9），amb Colonath the Lathed（1095 1114）tho combtry manle very marked pmorns．The reigh of Andrew 11．is remathate on acomot of the moblen havinge＂xtrited from him in lege the chaldon




 monsomation of the dint ：it whemed the righth if armed rexistamer to ath illowal ateto of tha hims．




 tix in Humery to the perant lays．Bey the doath







Wha did monel tw place hix adopted eomntry on a fevel with mom rivilised western nations. His soms. Lomin the direatt, made Ilangary the most pwotinl nation of the prion in enntral Earope.
 Nathias forvimus, the son of llomyaty, the ereat anti-Turkinh hom ind regent dmring that kings minority, was elneted king. Gnder hix repon

 cenaful wat agamat Palifobat of lbohemia, and
 Th, almb hoteaterl the Turks at Kenvormexia, and
 In ltai la evan took liamat inn made it the capital of hiw pombtry which was at that time mome extemed than wer hefome or after. lint Matthias was not maly a sereat memeral: be wats alon a ereat lecimatur, a monifieent patmon of art and srienres, atme a grat julse hix impar. tiality and lowe for the jeaple were so wenerally recosinsed that to the present day there lives in
 there is mo mome justiere. Matthias havinge disil withont beritimati buiss, the thome of Handary
 various pretembrs, amb the amot? underwent in momaedurnce a period of matil decay [mber
 a samginary lrasint insurvetion, known as the Ibzer revolt, which was nlimately sulphesseal. and Jeil tor asostem of alojert serfami. Lamis $11 . \therefore$ reigh was stili nome dicastrons. 'The Turks, nomer Suliman tha Great, tomk alvantage of the en forlbled combition of the commery invalded it with a wisuntio arme amililated the llongarian force


 Lamin 11. himaelf last hix life in or attor the hattho of Dablacs, suml the Ilnusarian thmote herame omes more the prize of contention botween two
 ") Transylvania, whan ame sution of the wollose prochimel king. ther other was Formand of
 sufpurted ly the "luaks, Ferdinand hy the majorits of the Inimearian mobles. Exntuatly Zaijuly
 merely retaininer Tramsybamia and the Trame
 Ilapobnere mhained at lengeth a final fonting in Ilungary, and the montry antured on al perime of embless suthering and hamiliatinms.
 Gimbolph, Fombinami Il., liadiname ill., and
 Turbs, conemtrated thrir equmies on the sup.
 twints won several vietorim wry har luperial


 mom thatiation towitils the fullowers of the new









 stimaty fon the sebaration of llongray fromt thas
 deloctor, the rimblentrowne put to death. For

beeted listriots, and thmmatule of valiant families. mostly l'mostant- wrop extemmated. A Protestant rising, maler ('munt Emeric* Tibsials, ant
 ful in $16 \times 3$, and wory ntarly led to the rapture of Viema aml the ntior dostruction of Abstria: hat at the last mombint John Sohieski, king uf lobamot, saved Vienna and the llaphares. After the
 lost thair halil on Innequry.


 before 17ll. Lemphat shemeded in ansing the diet to deedare the thome lereditary int the lomer of
 ablhesion to the l'gematio fanetiom, seroring ther right of whession in the femalis line. Neverthalems, hise danghter Marial Theresa's elam to the throne was callow in prestion lys several German rulare amb hy France, ler hominimas were invimal, and slow saved them amd herself omly
 Inmgarians. She was the libat flaphome raber who showed liorelf grateful to the llungarians, and whaproved lerself to molerstand the daties of a sovereign. She mande sermal comersioms to the Protestants, inproved the cmmbition of the peasants, aud establishori sclumb. Her son and successot,
 llmgarian kings, as lee lated rever hinmelf lieen
 violation of the 17 ungarian constitution as ath antocratic יוmpera. Ho wis an enlishtemed reformer, but did not reokom with national fermings, elass inlinsumerasos. intrests, and prejndices: be attempited to make llongary pate of at vast pan-
 fostered the disomonerit to such atiggee that at his
 his illogal miets, with the exereption wf one-viz. that moming religmon toleration. Lenobll il. at onte eomoked the diet (the first for twaty-dive
 of the nation. Ili- comeiliatory mion lasted only twor reats, amble was sucepeded ha frandis i. (1792-18.3), whose ambition it was to follow the
 long an the Napoleomid wars lasted, and the Ilm-
 playeal at comstitutionalixme hat ats samm as the Napolambu dangers were jramed he shomed limself in hios trum chararter, disombimen the diots amb
 When he was drivert by the exomeral disematent and resistathe to convolse the wates.
'This diot markent the hegiming of the mew ara
 the emandonsucss of its mans wants, intellertual gand material : the denine fir riform- was fast rigening. Tha* majority of the Afolswites to ther next diet (lses) were alremly hembe of radical in







 whe thone remationg the oflonial mse of the llam gurian lamgnoge, tho eligibility of mon-mohlos to

 Hose artivity than invilo. Kiosontlis I'esti Merlu, (the lirat llomgarian political elaily patur), which in enthmiantio lamerage timerht the masions how (o) demame thoin rights, rapidy spand all ovar
the enantry Kowath iulvocaten! the alolition of sertilom, the equality of all eitizens, the liabilits of moblew to taxation, itnd freedom of tha pres. He wan retmmed tor the diet of tot as semion member far the abonty of lewt, and it was on hiv motion that the Hown remalual in Wareh dsts ta
 and varione wher reforms. Fopdinand V., a wak
 after some hesitation, and the time llanerarian fropomilate miniotry entametel with the task of aravinor the sidh heawher was appointed. Count
 tur onf jutise and kimenth minister of finance. lint the ewort parts were sorptly fletermines to frostrate atl these refoms, which oponly they did
 Fonations and othey non-Honestian nationalities
 insely Croatia. Nlabonia, the Gorvian bamat, am eventmally tho liommans of Tram-vomia took up arms against Immerian rnha: and when the central erwemonent in Vipmot was alduralerd to
 rebels, hat save rety reant help, to sulnhe them, whilet steretly it sipplied them with arms, am monition, and mones. The Tomertian govern ment, at treachemaily ahamboned, proceeded to whtim from farliament the vote of a lexy of 2U0,(tM) men and 42 million thorins of moner, lint to thes measures, umanimously decreed by prarliament, the erown withhel! its asent. Latel m, Septembry 6, whon a deputation of $1 \geqslant 0$ nombers waited on Ferdinand to aroe hin to of mone the froatian invarion, the conrt asain Have an eva-ive reply. But a few days later, haviner received romb nows respecting the ammy ondatime in ltals. tho comer thew asilm the hypuritieal mask hitherto worm, and dechared open hovility tu lhonary ly ignoring the exist ins comstitntion and movermment, recalling the Pallatine Arehluke Atwhlen, and alupointiner Coment Lamberer eovemor-reneral and roval emmani-sioner for llumgary l'arliamont decjared thews ato illesal, and Connt lamberes was momered on hiv arrival hy the thatmed prpmation of lindapent. The minioty now leaigntil, aml a committer of national lofence was alpminted with komonth an presibent. A comparatiofy momemos amy watrapilly equippeel and s+nt ti moet . letlachich, who Was marchiner towards Bundajest at the head of the Crmatians, Te was combletely beaten at Velenere, and loringe an armi-tiee of thee ditss, which wat
 igntminionaly towamに lienma. Notwithetandime thin lefeat he was alpmintwl momander-in ehief of
 Hanears: and all the fereres and resolutions of the? Thuserian parliament were hoclam! illegal.

Gn [ Derember ! feralmand was mompelled by a fantils conmeil to alylicate in favon of lis neplew.
 ace. In him nabu tho way lanen to he rearied on liftery against 1 monary, all the mome as the diet declared the sucom-ieni mornatitntimal. Uy to the mildle of dimmaty mext fortane nomed ta favour the fustrian arms: the lfumarians, thomph they fourht valiantly and ohtained smme virtories, hat to retreat hather the overwhelmines momber of the enemy ; the whole trans lammbian
 they had only the viast plation of tho Nfold and 'Transwhamia, where Beme contively shblued tha

 that the llmmarians hat fair reason to mopatio af thair own prition. It was maly the inatrivity of

saved the lhngatians. Ihis aimlessotay at limbayos ware hersuth time to peramhulate the conntry and by his atimer elopheme and lound less enery to create a splemblid thong irregular amm, whicli, under the varions leadership of Demhin-ki. Vetter, Gobrpi, kilapa, ame others, won momany victorise over the dustrians within the next three monthe that by the emb of April the combtry wath almost entirely free from the ememy. The matry medeats of the Anstrian rembar fomes lis the lhmeatian irregnlars so exioperated the Viemma court that, "n Marel 4,1849 , it prommbated a decere abwlishimes the Hunsurian constitution : to which the IHmgraian liet replied hy the declaration of indelembence, and the dethontoment of the llapshmes dynasty on finil 14. No timal form of gonernment was decided upon, hat Kossath was temporarily elected sonemm-fredtent, amd instead of the committee of natimal defence a new ministry was formed moldre the prevideney of bathandomew
 advice, had he forced his way to lienma after so many victorifo, the whole wat minht have eome to an emf llith plorions resnlts for limmary : lut ( ibreideeded to tirst retake Bmbapost, and thereby enablead the united linsoian and Anotrian ammes to imsale the comntry at varion pmints. Thare
 men. with goo batteries. whilst the llumgatans numbered harely lis.ono, with no artillery to beak of. In thene eiremmotances the łlungarians had littre chatnee of defending themonlors with any meanare of sheres. hat they continmed to tirht with the gratast letermination. Fuitume still smiled on them here and there, lat on the whole chances and events were against then. This a drame of their funtumes was ageravated by the strions disemsims hetween (ingei aml Kosantb, which grew dably in intrmsity till the latter thomerit it andisable, bumer not to hamper the other's strategic activity, to ablicate in favour of (imgei on Angrast 11, 1849. Whee in the porsersion of the chaet pulitieal and military power, (iorgei 3 m longer thomsht of contiming the stmorele, bint immediately and mermatitmally surrendered himself to the liusians. 'Jhis ate om his batt was defonded ly him as one improsed by neceosity and a saving of fanther howhbed; lat rxamined in the light of his former comduct and of the fact that he inducerl, ly + mpty and fintile pomises for the satety of their fursons and 1 herif transs, thitetan other generals to follow his example, it is nemenally emm sideveal low the majnity of his emmotrome'n an act of mmpadomable treason, Kusuthla and several wher military and politieal leadern thed tu Twhes, whilst the vithers wher lemained bohind and were
 of innminomment of shot anm hangeal like mere -riminals. Ammer the latter were domnt Lamis

 relative of tha buern of Enarland. (inroei himself was sent to klananfont, and hopt there on at mall probion. Dmonary was imomporated

 wishled his wheial fower with extromdinary

 righte embliodetanl. With the esereption of the
 were ammolled, amellongaty was eromomel ley a

 resistane , heverthelase all the afloits of this




Aiter the disastroms Italian war in 1 s. 9 the old llangarian chancellory is it existed presions to lshe, wat re establimend. lint failed tor satiofy the Hungurans, whose jarsive resistance thratened with a fimal freahown the Anomian atate machinery. It leneth in latil the diot was once more comboked : Imt, as it demanded the full restitution of the emontiotion of ists, it was quickly dissolvel. Bmanally, bowever, better consels previled at the comet of Vioma. Parliament was again summoned in lstia, and the demames of the llmgatians, ats formbated ty Deak and his party, were complied with, and reanhoul in the asrecment deseribed in detail in the article Asthat Franco Joseh was crowned king of Hungary, June 7 , 1867 , and entered on the fathful diveharge of his datien an eomatiotiomal monareh. There is still a numerons party in Homsars in favomr of eomplete separation from Austria, but none are hostile to the sovereinn. The renewal of this decomial tinamial arrangement (1s90-98) led to very stained relations betwen the two sections, the Jungatians rechining to raise their contrilntions from :17-t to 4:- per cent. of the common expentiture. Hungary made gond bae of the period of internal peace enjoved after the caronation, and male rapil striles in the math of civilisation. It establi-hed an almirable system of elementary and higher education, huilt a mandifent net of railwass (now larsely in the hands of the state). improsed its judiature. devoloped sommerce and imbastry, and organiond, in aldition to the fastroHungarim commom amy, an effective system of national lefonce, the flomests. lindagent, its capital, equalled ha fow, supased by mone amons the great cities of Eumpr, is watched with as much ensy he the Antrima as the erowing inthence of the fhmgarians in tha commom comotis of the momarelys. Lately the fomer heary deliots have diapheared from the haloet, and thare is every hope of the kingrom soon hering in a combition to rednce its haty debts. The varions nationalitios in Hugary (Servians, Wallatho, Pathen-, Slovalio. (iermans) enjos the same rights as the mative Magyas, which are comsiderahly grater than in Anstria; there is therefome comparatively little discontent perailing amomg them, even thongh gan-
 of llmgary's stenty progreo i-dur to the fact that shes the new era there hate been few elanges in its govemment. The thomsand yembof hational exist. ence was celduatol by a millomial exhihition,

 when thes sptted in their preant land at hamand gean ase lomghthoir langase raty with them, and this, alloweh it haw had sime to bumone certain
 idnan, late mained all its misimal frollume both as

 certainty. Hangrim philohesos ate livitedinto
 taming its athinity with Ther Tartativ hagnades, whilt the "rimists' contem, and for the perat at latat with far mare enarial sumpor, that it


 and phanmeation conmiat th it. Hongation is


 other burpuan langace, and an rich in orimal
 linh the uthont of somparation philohegy. It in ankmondend by thon that it is well aidiaptal to
express ideats wilh the utmost deamens, owing to the distinctnens inn immense satiety of emdins amb the originalits and llexilility of its rams. Among its chatacteristios are that it han no sen-
 by means of ontlixes only; that the verbs luns. sess ohjective and subjective forms (e.... lutol, 'I see : lutom, " 1 see him or har or it ; hases thou seest : ' latued, "thon merst him or her or it." ( C. ) : that it invarially placen the sumame hatore the Christion name. It is alon noteworthy that there are alsohlutely no dialects in the lhmgration langage, and searefy any diflerence of jomanciation in the varions gave of the cmatry.
From the date of the establishment of the Ifangarian kingdom the use of the Hongatian lamgage was so muth restrieted that a Hugsarian literature can havdly be sad to have exioten ludure the chore of the istil century. The introdenction of Christianity by Italian an! (emman priest- in the IH century made Latin the oflicial linguare and the medimin of intercourse hetween the edneated classes, and this remained so to a great, thomgh gradually diminishing, extent up to the third and tourth decale of the lath eratury. There wise a wisht reaction in faromr of Hongraian after the lieformation, but the lancuage was not timsht in schools thll the year 1790, and barliament dial not discontinue Latin matil 1s2.. The whest Hungrabian literary recond extant is a fumeral oration dating from the yar 1171: there are alon some religinus ongs, and dramatic 'mysterien' from the $1+\mathrm{th}_{\mathrm{h}}$ century. The first lay juet of real marit, Barm Valentime Balasa, lived in the eecomd half of the 16 th, the lisst great epic $\mathrm{p}^{\text {wet }}$, Zinyi, in the 17 th century.

The revival of literature heqan to take hace only towards the end of Mania Theresa's reing. Isrie
 and hy Alexamer Kisfaluely ( 1 Go lath, I amid
 18:3), and others, who mot anly athlet to the valuable stock of literature, but alow mathend the laggage with now woms and forms-kiaincos exeelling so much in this rexpect ats whatn the apreflation of 'the rectater of the langataes. Kolces, orator, eswiot, aml jurt. and Charles
 drama, were the chief literary finnes at the hasiming of the l9th century. Hungatian pertry. however, eamot be satid to haw jumesed math ariginality at this preriod: it wan resemed to sum

 ate Jimgarian pertry on mational lines. Thi wal was athaned towads the priod of the wat of indrpentence, since which lhmsay has pormerel a

 In dramatio literature ('harlos bistalut? wat followed hergigheti ( $181+$ in), where rimone
 phase. The elassic trasedy bent: beth of hatoma
 prom, hy Malach (1xe: -64), on the liser of

 is only one preat damatiot forem foilhy The llugsation theatres, mely manly mandure of







 the nuvel with a jompane. Bint atume cuthome of
liction the hishest rank is Jue to Manrice Jokai (I. W.), whome homden imarination ame promomd bumon have remberal him a farsurite with raterin many eountrie lrevm his own. Smont all his novels lave hem tramslated int" liemman. mang into Italian, French, English, aml uther lai
 alsu poremes alminalme tranlation- of all the martergeces in the world literathere imon the lible, of which it poncenes three reviome dawn throng all age and comutie to Tembom: prems. A mallection of shakemares play is expecially motewothy, they having been trandated
 (C'oriolums), Arany (Homlot, MIfommmor- Iight's
 othere. It showh he admat that the best literary talent of the country is to a deat extent comectend with jummali-m.
See Fessler, fieschichte oler C-n mon (new ed by kiein.
 1553): Sayous, Hetoire dow Humpois (1ar, 1s56), and works by Hurvath, szalay. Tuldy, de.: aloo Yambéry.
 fgary trans. hy Mrs Lirtibeck IIll, preface by Freman,


## Hinger. See Arretite. Ditestmen.

Hongerford. a tum of lierkhire, partly abor in Wilthire, i- simated on the river kemet, 20 miles Wisl of headins. It is is homting centre. and a favourite reant of anders, having been even in Evelyn's time a towne famm- for its trates. In the town-hall (1s-ni-preservel a bom sifted to


Hillingell (Fr. Immingue) a town of Alace, on the left hank of the lhine. $2 \frac{1}{2}$ milen N. of laset, is celobrated for its fishlireeding extalifiment (see Pacictittref). It wan fortitied leg Vampan in 16:9-s1, lint the work- were timally destroyed in 151.0. Pili. 1;14.
 a nomad race of antiphity. whe remote ancestor were prolahly the Hiong-ma a feople of Thrki-h stock, who formed a pownind state in Momondia in the ${ }^{2}$ century fil: la $1-7$ they conpuered another large nomad race. the luechi, akin to the Tibetans. and drowe then wetward and sonthwark, they themelve ballowing. liat alumt the dawn of the "hrintian mat their political jower fell to piece and the tribe-mon wera atterent. Gme section, howerer, sems the has hod woutwards and to have setter in the nelofhamonom of the river Cral and the Volga. It all eremt-, anne there centurie and a hali later the foralde known to
 the stage of hioner from that part of the world.
 muler a leader ralled babamir. and -ublued fist the Alami, who dwelt hetween the Volsa and the
 part of whom ondmitted amewhat tamely, whilat

 Imsinere completed. the H1m- next invaled the territorise of the Yingother, and lrow thic peoble
 who, under Frithigern, whatht furmin-ion of Yalens, *aperor of the Ea-t. to edtle in hi- terntoripa. The distriot- quited by the finth were wempied Ly the Hus- This, hair tira wand of invamand

 it was not until alumt 130 that the seroms and greater wawe heran to father head seain in lihnas or limgulas. Thio chiof anduired such phore and
 II., emperar of bazantinu, an :mmalal tribute of
3.0) momals of mold. He wain sucereded in $43: 3$ bo his mose ilhatriman mepher Attila (4.v.) With
 Hums "rambled thatere amid the intentime strifo of hi- whe and generals, and the attank- of their
 intlictel mun them in lamomia in firt ly the
 Horulians, and others, the tribeomen of the H1mmadly di-purat. some artled in the Dolroulja, othere in liacia. whilst the main ludy seem to have retumed to the land from whence they rame -vir the resion atont the river Clal. Some anthonition ilntify then with the latry hamame. who :thout the emf of the ith rentury hav rion

 sention in the monlem lingaria.

The Huns are demerihed an leing of al dark romplexion. defomed in apearance of menmly ture and shrill voice. 'They were litimghi-hen, Save (illon. "from the reat of the hman suecies hy their hrad shouders, that noses, and mall hath ever deefly lmad in the had : and, an they wore almost llestitute of leard, they never enjoged mither the manly grace of romth of the renerable a-pot of are. I fabmbus orisin was asimed worthy of theif form and manner-that the withe of Scothia. who for their foul and ifoally paction had been driven from somicty, had united in the desert with informal spirits, and that the IHus. were the atfoming of thi execrable "mjumetom." Like the Momenls. they were enentially a moe of horsemen: they fonglat with javelim- timberl with hone, with sabres, and with sling or lawses. Thery ate herlm and hali-raw meat. which they first used as subllex: and they dothed themonder with the shin of will animat:

The White Hume or Ehblatites or Heplathalite are ly some regarded as a hanch of the Himus-nu. thongig others make them the deacendants of the ancient layal seythians, illentifing them with the har-ileen, the allies of the Khazars. What. ever he their real oricin, they were retainly ental, lished in anciont Bactria and the aljomine di-triet-, hetween the Oxn- and the Catpian, at a premel contempraneons with Attilas rares. From the third detale of the oth century unwards for alknt 100 rear the were ensuged in comstant war with theit meishbums on the -muth, the l'er-itm- In the the Eplothalites routed thom in a lierce lattle. in which Peroz, King of Persia. Wats amomest the Shan. liut their mater reem- to have leen linatl: hoken alont ifot by the all-ompurime Turk- on their way to A.ia Minor and (imstantinnile.


 and Howorth, in flome: Anthomot. Inat. (1n-a-id).

Hunstintonf. a watoring plawe of Sortulls, un the Wiah, 14 milon NE of Kiner- Lym ley a rail. way (1962). It has a lowed beach of lima -ant,

 Hall, dating from the Thulor ferioxl hent greatly injurnd hey dire in lain, wathe the of sir lionem LEtrange. I lighthome (1sto) lite a lised light
 tance of 14 miler. Pomp, with larrett linestamh. 17日.

Hunt. Hevis, smmanal 'Omator Hunt, was

 hot tomper embroiled him with Land lirume the ".ommandant of the Wilt-hite yommanty, whid lytught hims sis werk imprivomant. Th. "alme
 hiv life traselling alunt the vomutry adho...ing.
the prenple on beebalt of the rejual af the Com Laws anil an an antrocite of parlimmentary reform． In 1si9，on the meanion of the leterlow hassacte．



 was lorn at ，hombleate near Edmontom，on 19th

 tion from l＇hilablelphia to lomenn，gave up law for the chmoch．hat lapmed into hankinptey and［ni revalion．Lepigh llumt spent eight years at Christ－llopital，amel left at tifterm as dirat
 further promotion．De was it cherk first under ons bothor，an attomey，and next for four
 ibramatic eritiri－m：in 1 vos with another brother， a printer，he set nut the Earmiors：and in 1 s09
 mimors tome was limbial，and，after several movern－ ment mosecutions in lal：fur at libel on the Prince lament（he hat called hims a＇eorpulent Athomis of fifty 1 ，Lainh 11 nut was sentenced to a fine of toot amil th two verus imprixamment in surres zanl．There lap＇acatered mothaty，played battledine with lis chibhen，received hants of vintma．and tmond hivage intor hower of mas．＂ In Nowember 1 sel with hio wife and seyen children lee sailed for Italy．Imt landed at Leshburn only on
 lime and lisron to fornd the yuarterty bibemh． dinst a werk later flelleg was drowned：Lejgh Ilnut and＇moy moble friend failed somelow to gull torether ：the Libern／died in its fourth monarer： and ly las．the family wan hack at llighigate．

 in li40．and to Hammersmith in 18,3 these are

 enhamambent，for ha＇＂，ofo kriew lijs multiplica－ tion tahle：l＇rom 1 stt，homburer，sir leres shelley allowed lime 420 a vethe and in $184 \%$ he recoived a prension of toon．Ile lienl on a vi－it to Puthey，

 and Lexinl llant．That he two shomlal ever thum
 for lexigh llumt pretry now in litthe known． Amb get it in hetter that much．mayle mont，of the newer jersti－virnem．It－rhation lism in a
 amd winte－like－parbla laturevel a suath of pre

 of their kind：low trampurto dhe vonthem vintimes








 chried from hi－

In his avollat hist ai the Wratoress ai hatitt and
 arrenes with thons de．，seventy mine works ley the latter，







and The Old Comet s゙ubut（18．5）．Ser Lejgh Hunt＇s
 spondence（ $\because$ vols．1stio），Fursters Life of Diekens（fur the monindly＇llarnh skimpole＇episalt，a capital article in the fornhill（ 1 ．lstio），and one by Prof．Dowden in Ward＇s
 house（ $1 \times 23$ ）and B．Johrisom（ $1 \mathrm{k}!11$ ；

Mnnt．Thomas Stenit，an American chemist and gerologist，larn at Norwich，Commectiat，Eth september 1 sobs，was atsistant to the elder silliman
 mitneralogist to the Comadian（ieologioal Simsey． lle was alsor professor of（hemistry at laval l ni versity（lxiti－62）and at 11 （iill l niversity（ 1862 － $6 \mathrm{~s})$ ；from 1572 to $1 \times 7$ she held the chair of tieology in the llassuchmetts lustitute of＇ecoholory．In Ists－al he contributed a serien of parers on theo． retionl chemintry to the fumriren Jomrmel uf Secone ：in agatio clemistry his name is identitied with a system essentially his own．Ilis researelies into the composition of rocks were of great inpurt－ ante．In lisg he invented the green ink with Which（irembarks（4．v．）are printed．Ile was mate an oflicer of the laprion of Honour in $186^{\circ}$ ， and locame an F．R．S．（1859），and 1．L．D．of（＇an－ hrilse（lssl），and received many other distinctions． At his death， $12 t$ h Finherary lste，he had puhbished over 200 pinpris and several larger works on clem－ istry and mineralogy．

Mint．Whation IlENRY，English painter in water－colomrs，was hom in Lombon，Narel， 2 s ， 1700 ． lle was me of the rators of the English school of watereqomb panting，Jr linskin pronemmeins hint to lue amonar the greatest colonirists of the selaonl．Ilis shlojects are very simple－l＇eaches
 －Roses，．Wilal Fowers．＂Trampers at llome，
 they are romeeved in in fintly poetical spirit，and prespat the perfection of fininh．He died loth


Hinit．Wildidim llomand，painter，wis born in Lombon， 20 h fril $1 \times 27$ ．In his early years he was emgaged in lmsiness，but in $1 \times 1.5$ he was ambithed a sudent of the lional Aculemy．la the followine vear lie exhibited his tirnt pinture， －llark！a child holding a wateh to her ear：this was followed lys senes from llickens amd soott． and by the mone important Velight of llateline
 It this periad In Hont shated a stadio with Dante tialniol lionetti，amb the pair，alomer with Millain smal a fow other earnest young patinters，fangmated the＇l＇re－lialatelite lirotherhomen，of which the members aimed at detailed amd uncompomising troth to nature in their rembering of viable thinges and at a vivid and nneonmentional watisation in their treatment of imatimative shbjecto．In 18.0 Nr llant contrimed to The from，the slant liverl


 cuts，in partionlar a romarliable xelies for the
 paintme works aronted in the lowe liaphatelite manmer was＂litenzi vowimer to avenger the lhath of his brother（1sty），in whing the princopal tigure was gatated from liossetti．It wit fullowad ly a fommeted lititioh liamily

 from lrotens，from the Jow lionllemon of frome


 works vory fresh and andinal in eonncelition，and


 lamketpe art, reali-inge with exretptiomal power an -ttont of vivid -malight. and comblining in a wonderthl mannel datail amal detintion with a vene of - liscimee and atmosphare.
"The lishlat of the
 pxecuted in lab, ranks as ane of the most ims presion -rmbalical work of the contmo: it in
 Thes Iwakemed "omarimere" aimend to point a momal by mean- oit a beene from montem life. An tha+ completion of the last-namen pietome in the
 with the intentim of stmying eantem life, and realiome the inetulent of the biblieal histors with the clowen pmaible reowtaey to local monoring


 J"imling of ('hriat in tho Temple (IG(in), ]resented in Jan to the Bimmimham Art fiallery: The Sharlaw of beath ( 15.5 . now in the Comburation

 while the pa-ionate sumb phembially-colommerl I Ias. leella atad thas lont uf bisil was the remult of a



 - Miracte uf citcres fine at demablem. In lss 6

 wer thity of his work- wetr exhibited in the fine Alt- ※ociety" roman.
 horr at longe ('aldmwinnl, near Eact Killuide, in
 yomupet of ten Millien. Gne of his sisters,
 of bovinity in the mivority of cilanows, and was the motlere of Mathow aml hammal Taillie ( $4 . v$. ). Hi* hrother Willithn - fame leal dohn toraply for and olutain tha -itation of awintant in the dimect.




 with hi- lorother in tho anatominal sobumb. Siter ten years hart work ut thin kiml hiv health
 stati-nnremm. and server att lialloble and in tha
 returned to London amil. starting the pratetioe of surarer, alevoted much timm anl mones to comparative anatomy ln 1 bit he wan felected a Fellow of tho lowal somoty, amblin the follow
 Ihapital, an aymointhent which enithled him to takn papil. of whon ont of the earliest wan





 comp of ampri-na - that of imply tying the antery





 but mont of hiv contempararion lankerl mon him as listu harno than an innowator and an entloniant.


to brank linckland. hi- romatu were translatod in
 llamers dilipence may he gathated from the fart that hiv musennu cobntained at the tinne of him deatlo

 patholdey, and matural hintory. Hi. diod in come paratise poverty, and his collection was puralasent by covermment, two rear atter hic drath, for tild, $0(0)$, and was presinted to the liosial Conlege of Surveons.

In adilition to the mumerons papers contributed to the Trutusionoms of the Kowal and other learmed societies, he published the following indernalent works: Tho Notural Hestery of the Humetl Tuth (15:1-7s); A Trestise on
 Parts of the Animal Eirnumy (15:4i): and A Truthes on the litoorl, Insthemmmion, "üd frmeshat Homuds (IT94). Hee Pamer's uthtion of his whts (1435), Mather's Tun


Hinlel. Wildidm, amatomint aml olrtetrician, an ehler brather of Jolin llunter, wan ham at long

 lae atudied metlicine for one vamion $(1540-41)$ at Elinlareli, and then proceeted to Laminn, where he went thromalı at lomés training in amatomy at st Gempe's Hoppital and elsewhere. In 1747 he was admitted a member of the Corpmation of Sirgems. nltimately contining hin practice to midwifers. In 1762 linnter was consulted by Guen (hanlotte, and two years later was apmonted flyrician-extraordinary to her majesty. Elected a Fellow of the lioyal suepty, he in 176s heame professor of Anatomy to the linval Arademy. In I770 lie removel to (irent Windmill Street. where he hat built a honse in comertion with which were an amplitheatm for betures, a divereting-room, and a musemm which contained not only lif anatmoleal preparations, lint many objects of matmal history and a eabinet of very rate medals and coins. Hnntur and his brothor John were for many tear extrangel. owing to at di-pute as tor the prionty nif certain disobveris: ; lont the quarrel was mate un whike Willian wav on his death Ged. Ile died 30th Mareh l-x.3. Hi- muspum was hequeathed to his houther-in-law, Jr baillis. amd atter him, witlo an endowment of trono, to dilasgow (nivermity (1....). Hin nont important work. An Ammtomical It serion-
 did not aljear in it complete fom till aftor his leath.

Hinter. Sif: Whelasi Wilkox, statistician, was hon on loith Jmly lsto, efmated at the monersities of fatanow. Faris. and lonn, ame in $1 \times 6$ entured the cisil servire of lodial. flis firm ingrotant otliens, that of sumpintemtent of publice instruc.




 ment of bengal am] thas sureme wovermanot of
 uf the statistical rlagutment of lndia. 'The Indian cemsum of 14.2 was hin fint work in himen position.












 articles on the other amimals linated.

 ington Shirley, aromb barl ferme and was lom Anght 24. 170-. She maried the Earl of llanting-

 fonmber of which bert wa the fatmox beonge Whitetieht, we mate that emiment preacher me of her chaplaino, and awnow a boaderaip amme his
 of Thutinghon* "inmection." Her latursat home increacel with her yora. For the education of miniters she entabliwer am mamanel a mollege at 'revereat in Brecknckhire (ramoved in 1792 to
 mampons: hapel in thiterent part of the country,
 1-9. By her will dated damary 11. Fem, she crated a trant, hepueathing her chapels, then sixtyform in munher, to the care of fomp permons. Shent of them have laceme in fhetrine and patice, ahmos ibentical with the comeregational dhmenes.
Hnntingdon. the ammer town of Hanting. dmoliire, om the left hank of the Whase and the Emine Streat of the Lomans, $5!$ miles. N . of Lomdom. It beeame the seat uif a mal ra-tle in 917, and was incoparated in lls!. It has hrewerien. mickworks, cariage work, and musery gatens.

 (i) : the ehomicler. Henry of Ituntinghan (a.s.), was Achateron of Hantiagdon. With the mmi-
 the apmsite bank, it formed a pariamentary
 the l'op. ( $1 \times 51$ ) $35 \times 2$ : ( 1890 ) $4: 3+6$.
Inntingdonshires, an inlank comety of England, 30 milne long, and 23 mond, is lomatme on the. X. and W. ley Northamptom. Canhtinge, and Beation hime Area, 389 =n. mo. almont the Whan of which is arable of in pasture. Pop.
 Hontinghom-hire has mo hill-range of any im. portance. and is watered anoply las the Xenm, Which forme it- mothem hombary, and the Guse: in the form-di-triet in the now thetworn part of the comty, fomine part of the bedford Lavel (t. v ) , there were fomerly wome lares lakes or meres.
 hase been dramod and peclained for cultivation. The ail ram-i-t mineipally of rlay, with,
 beinge athona wholly entined to the fen-dithict. Hantinstombine emprive iomr lombleds and

 horongh, the serater purtion of which in haw.
 i- almont antirely in the dinern of Ely amb the
 here to parliantent. A perenliarity in ite diol
 vathe - hrevalty with 'ambrimenhime the therill beiner ammally "hmen in mation from the combly












Homes, anciently the seat of the Cromwell family : Kimbultun Caxtle, the seat of the Duke of MinChestar, where gheen Catharine resinded for whm time after her divore from Hemry VII. : Horelam Hall, the residment the l'rincese Elizatmeth during the reign of har sister Mary : bentm. the himit place of cotten the antimairy; bithe dindins. the reat of Nichala Fernare cmmmuity: and Brampon, where lised for sone sam sambel Peprs.
 Whenleen. In the vieinity is tha min oi Imaty ©astle, the seat of the earl- amb mamione if Humb, (see biolams). Huntly is the lintlylace of Dr 1 sempe Mactomath. Pous. $3: 60$.
HIntsville, capital of Vation commty, Aahama, in the valley of the Temmeree, 10 mile $N$. of the river, am! $21 \underline{2}$ miles ESE of Xemphi- in mail. It las an ice-factory, a fommiry, ami manifactures of cotton, cotom-sed oil, and thur I'up. ( 1880 ) 49\%: : ( 1590 ) $999 \overline{\text {. }}$
Hunyady dinos. John Corvms Humyaly, governor of humgary one of the ereatest warcaptaine of his ase, wa- hom towards the chone of the 1 thl bentury. His arigin is wapped in mysters, the current lesend leeing that he was a son of the Emprom Sinimumb ly a Wathachian lanly. Iti- life may le saconetly described as one minoken chaste against the 'limks. During the perion $1+37-$ - 6 he was the shield of Hmmars. mit only arainst extermal fors. hat against the lawle... nere of the moblon hat hese. The principal muments in hiv celebreted rontent with the foes of thrinen.
 14t? : hi hrilliant campaign smoth of the Hambe in 148: his defeat in the homdy lattle of Vama, 144: and that at koworo in 144s: hut his most


 the ereat captain actent as grwernor of the hingelon
 Mathias-blue finmer of whom war ludemend at Buda on a charge of conspiraty the hater we ceented to the cronon of Hungary (if..).
Homzat-Nagate the valley (emataming the

 nere. Tompther with Kimint, the nyper pant of the same ralley, it lecame Brition in las.

## Hnon dinlf. See New Gitwis

Hinon of Bordeanc, whe ai the (harlmaterne

 the end of the 12 ha century. and anmetimes an alow, withont promats. te the tronsore Ham de Villenenve. fin the story, Huwh. Huke af Gminne, wne

 sequene tombemed to die, lat his life is wated on $\mathrm{th}_{12}$. hand comdition that lan hrinas hath from Bagral whe of the sameen mir* teeth and lamed

 ham, ohe hant of which in the hame of peril himes

 latmon- lag falling in lone with him, athat at late







IIt-peis. whe of the central prowno of thima,

 mamed the－heatuty of holinesses on accomont of lis comelinem amb piety，was lom at fomgerev，in
 Emmanmed coullewe（＇ambridere of whioh las
 tirat notable proluctions．（immmentary one Iloraters
 worte of the antlon＇，＂］know fow writers more efonerving of the errat hat porsolituted name of reritic：Int，like mans eritiers，he is leetter＇gratitiod （a）inntrant than tor exasute．In lo．ins an the recommendation of Warhorton，of whom he was a life－hnge frieml and anmirer，aml whose llows he edited in 17 Fix ，he was almonter me of the White．
 bivbny ut Liclatield and Cimentry，bont exchanged
 the arehbishombe of Contalnory lla died Misy


 Comstatutime uf the English Frorernambet（17．59）． hin mont popular lmak：Letters une（lituley emed Prumbere（1762）：Mirlagurs on the Cses of Fimeigu
 of the Irongerais cemererwing the（1／ristion Cherrath （1752）．Nee Hurd＇s J＇oris（s vols．1811）and Demoers by kilvert（Isito）．

Hundyotirdy，it very oll masical inatrument uf the stringerl kinul，sumething between a inntar amb a lute in ajpearanee．lt has four or sis cat－ ght on wire stringe attachand to sorew－pens in the
 boatrd to the tailpiece amd are sommed by it Womben wher（mmater the eover＂in the fig．） charged with rosin，whidy is tumed ly mean－ uf a hamble with the phayer＂s right hand．The


Hurdy－zurdy
－tringo ate stoplyed by an ingnulons arrangement nt key．$b$ ，manimuated with the left lamul．The remanimes strincos are stretolatol ont of retwh of the kit？${ }^{-}$and are tuned an homes．The instro－ ment lats a ramge of two woras fram the temme ： mbarals．The rustic sumpleity of its music mate


 times appled to the mechanical pianos fanniliar on thes strewts．＇llow worl was probiolily coined tu ＂xjue－s eontrmpt of the instrmmont．
 on the Thame helow the hridge，the homignarters


Maloond the stomal in intil of the five great lake ont the fantion letworn the Initad statem


 －mith it has an outhot log way of the St（lair River．
 N－W Where by Onturio．The lake is diviled inta



 hreatth，axdmoive of famgian laty． 105 miles ： arerach breadth， 70 milos．Thas areat of the ention
 Michigan，althemgh its hatsin is sumbler．Acromb
 lake shorey，its mean eltriation is sisl in fert ahove reat lewl：it is ：0！font belom Lathe superion，athd sita abme lake Erite．Ihame has a meath whith of athont 2.00 ．ithe it maximmm rejoth of ina feet．＇lome is an aremge dialerence hetween high and low water（dne to winds and
 shbject tu violent stoma．It comitains abont there
 thenn are of consiblemble size．The waters aro bery elear and jure suml abomm？in fish．＇Tlurbe are mbmerons goobl harlonis and roadstembs，Howst of them un the danadian side：at Same Beath， Dicligeth，there iv a harbume of refuge．tee
 （8ss）．

Huronialla，it shlulirision of the Areharan rocks of C＇imatar．Gee Ahellesas System．

Miloons．a once pmwerful tribe of American Indians，helumerner th the Iluran－homuois family． In the early part of the 7 Tht century the llurnis momberted alont 30,000 perams，living in twenty－ five villane within a mall tomitus near（reomenin laz：by the emd of the century the trile lad been nearly dearoyed by the lomuois，fanine，and disedise：and in 1603 the few survivors were remosed by the l＇rench to ，leane Lorette，near gueluc．Diere two or there hmmied descendints still live；hut very few are of phre hlomb，and all are latholion，and have abomboned their own lan－ gutse for French．

Honsley，a village of 11 immphire， 5 miless $心$ ． of Winchester．dohn Kelle，anthor of the Cheretcien Your，was vicar here from ls3i till his death in 1sini．In lsis，with the protito of that celebrated work，he restured the ehmed，which is rich in
 the chmolyam，and in the ehancel is the grave of Richard C＇romwell．

Hurstmoncoanns，a village of sussex，ot milan S．of l＇ewnsey，with the extensive iny－corared ruins of a tine castle，built of hrick umder llemry V＇I．Hy Sir
 It［rasest jn 15at into the hamds of the llates or
 llare．torik won？care of the estate，hat its reanmes
 heiro and athoit the elone of the comtury the eantla． Was unrmberl amd its valuable emotont－sold ofl at a six weolsex salos．A modern mathion was built near its ruins．＇The iamons Imand Chomela lealde，
 from 1830 till lsisis，and lies huried in the ehomels．

 mommathts，the fine camoniod altaletomb of the


Witratpierpoint．it makket－town of Ninmery， $s$ miles N．Le IV．of tilighton．Here is sto delnis


 tract is for the joint lives of the greties，and atomes to atn emil with the derith of pithor：thes cammot
 ohlinations，except by means of at legal lyivore



 the ease. If lmohamd or wife disajperars. aml inot heatel of for wern seats. the barty lenoted may mary atern withmat incorving the risk of a conviction for liontas: but ex+n in this cave the secomb mamiage in a millity if the limo hashathe me wite is allue at the thme when it is mblemmised. buringe its continuance the contrict has impontant rifieds on the right athed mutual ralatioms of the praties. 'lolse lam-1athal is, in latw, llaw heath of the hamese: he han a ríalit to chanme the family domitile, and to requite hit wife to eoltalit with him the dee He maty ve and he whed, enter intu comtractes and di-pose of his property as freety an at singe man: the mondern Fnediah law levonit-him to hequeatla hin property withont makine any povision for his wife, and to har har clain to dower in di-poning of his lamped estate. He is bumal to maintain hin wife amd ehildren; if. lemes able to matatain
 and sold liy the farislo antloritios, or lse maty be inprianned for ome month as a diovelerly perom. If he sleserts his wife amb family, leaving them to hecome a charge on the pari-h, he mave The treated as at roctre amb varalmat, and imprianmed for there montho. If his wife leates him without jost canner fee is nut lomal to suppurt ber, and le may emmpel hev to return lay binging an antion for the reationtion of conjugal rights. Sht if there is just eanse for separation-if, for examble, the hmohami is grilty of what the baw leems eruelty-as knepinas it mithess in the homse, or starving and beating life wife-the wife is mot bomel to retmon, and the
 ortered loy ber an bis credit. When the partien are living together, the preation whether the wifo has anthority to pledige her hanhandes aredit most be deediled on comsiblemation of all the fizets of the cine. No antlority is implied from the more faret of marriage. and tradesumen abe not safe in relyiner on the wife samptime in such caves: lut a woman Wha keeps low landmand's lanse maty he taken to have atuthority to arder foml ams chothing suit. ahle to their rank in life, unlase the hanamin has taken st"p to potert himmelf from lialinity, as, for example, las wisur notice to the tradeaman mot (t) tmat liv wife. Inch misconcoption prevails in resand to the extent of a wifus anthority ; ami there is a clas of small trawlers. called tallymen,
 They persumbe working ments wises to purchase
 monts: on defanlt in purment, the hoshame is "ften male to pray hearily tor lis wife's imponirlonee thonsh it may be that in law he is not lialon at all. In ancil a rase it is sometimes lest for the handand to illow limonlf to be taken intu at comaty comst, where the juder will reet that the





I matried wometn is eallad in laty fremely fome













 hell the lame fori hiv own lite if lue surviarl lis
wife. Ile amamed her liabilitios alse, atme might he sued for lar antemplial atelsts. But it an early perion pourt of epaity dechberl that, where
 madied womath, sha berself sambl hatbe the the and di-gration of it : if surl property rame into
 This doetrine of septrate nane has hern weatly extembed ly the Mistied Wommers Jorerety buts
 in their interrity to women matriol lefore they
 ancertaining the riortits of a wife to know whan
 lalals her raity and jersomalty as hor own separate
 it, and th-guse of it as freely an atome wele. Iler property is liable for her separate belot- and
 her pervor. Her hushatme is mat liablat far har ante-nuptial herbse, except tu the valum ai any property which comes tu him thronerb her: the may insure late usn or her hashamdin life for lar separate nse. Sll caminss of the wife abe fow tected by the Warmed Wemmen: Droperty detamb under an warlior act a woman selpatoml from

 may fie mide liable nomer the poor-law for the maintenathee of leer hashand amd children.

Nariage is a 'valnable eonsideration, and a settlement of luoperty mate in pursuane of the
 vivons for the brometit of chilatery are within the
 atthement, malesomale in fultilment of a pravims. fatraing. is mot made in cumbideration of matimat : it may le mpat las arelitors like mus other velim. tary trandor of property.

The alil male that linshatml amb wife art onm

 drultful in juint of lizw. Fommerls. if patuerty
 and at thim] perano the hastmand and wite toml, latif and the third peram the ather half ; :and it hate lawn

 that a woman comld not be comvicted of motealines
 Act of lsse enathe married ferame to paracomt one another. Exrept in cases within the :uct. ant "anes of peromal ingury intlicted by we - posme on the uther, hashamb and wife "amot sive evidemer


 the spmatem and compretent witneses for and ayaim-t the inntlier.

I hashand smviving hivwita is entithed to her


 of his preromaty mot disponel ot lis him, and -he
 dewar-i.e a liffeentate in marthime of hi- lami,



 lowerer. has disurted the rommon lam rules with - comewhat varsins alloct in the diberturn of the


 Enofland athont 1 sit han mon - bept away the


poperty, real anl lersomal, in their onn right, to enter into contracte, and to she in their wan names. They are on oblatantially an equal fontin! with manaried whnen; and it is mot uncommon for married women to cary on basines
 contrats. The ohd rule that howhend wife are one person in law i- now practically olsobete. I wife may contract with her lmandin and may sue him now the contract, in onme atates divectiy, in others throngh the intervention of at antalian or trustee. The indepmbent prition concerled by the law tomaried women in the C'nited states is a chief anve of the recent inerean and fregueney of divoree in that chuntry.
The law of seotami has shecialtion of its own. The handand is the legal curator of hiv wife; and if at the time of the mariage she have another curator, the otliep of thi lant expires. Thens ations brought againt a wife mont be loonght also against the hushand for his interest, and the hushand must eneme in actions raised leg the wife. The hashand further in hiv eapacity of ruratom signs as emmenter tu the wifess deed. The lame. brant is hiahle for the antenaptial elehts of his wife: hut under the Darried Women's l'roperts Aet, $1 \mathrm{~s}^{-}-$. this liahility is limited to the ammont hy whieh the hasband reecise pmolit from the marriase. The wife haw power to himb her how hand in so far as she ate with his anthority and as his arent. With rerard to furni-himes to the fanils, the wife in prexmed ly law ta lae the mager of the houselohd. prepersitn neqotie nomesticis, and an to be authorised to bind the husband. This prethmption ean only le removed by inhibition on log mivate motice from the ha-lani to traleanen. The fins marti, or haland's riyht, had the etleet of tramierring to the hu- hanl unom marriage all the personal property of the wite belonging to her at
 its subsintence. It alno sate the luasiand the rents and yearly inome of her heritable froperty: hat it dif not extend over the wife's parighematia. Benider the fios momiti, the havand purnessed the right of adminiotration of hi- wifes heritable property. In virtue of thi- ribht, the han-matis consent is necewiny to all ate lay which the wife deak with her heritas. Both of thene rishth may he renomaced by the lanamu ar exeluded lis secial contracts and rettlements; and with reward to marriage that eme moler the Maried Women': Property Acts thene rights are to a reat extent extimsuinherl.
The eflect of the Mamied Women: Pronerty A tet. 1882, is to abolish the jus momiti altugether with regard to marriage contracted after it- late: to rest in the wife an ler wwn separate entate all the mowable poperty acquired by her at any time. The statute practically does awty with the lanbants right of anministering the income of the wife's e-tate. The eamingo of mamiel whmen ami thane of women living reparate fom their hashanh are proteeted hergion tatuter asamet the hasband and hiv erediters. "Wh the death of a wife the survivine hualmid has a liferent interent, callem courtesy, in her heritable potate ; and ha- the same interest in her movahle extater a widow has in the movalle extate of her deceaned hasiand-i.e. at sare amonting tor one-half if there atre no chidren, and me-thim if there ame Thin date, When it fall- to a wilow mon of the ontate of her deceatel hanamel, is herv ley virtur of the jus where or pelict: richt. Tha widow ham further, where she has no mplontional pmowism, a right to the teree, which i- a liforme of a thiml of the humbinds heritable jrumerts.
See works hy lush ( $1 \times 4$ ), Dlacquren ( $1 \times 5$ ), Schomler (Bontan, 1502), Thichnesse (1884), and Crawley (1592).


 ites in the 15th centhny. Hhre was simmen in 1-11 the freaty lnotweph the limsian anh Turk - is



Hnskisom, Whathy, staternam ami linamrier,
 Ifth Marelh 150 , and in $17 \times 3$ wan ent to Pari- to atudy mealicine. We wat juenent at the stmmin:s of the Bastille, :min an anember of the \{luh of 1:-99 attrated attention has areech on the animats.
 under-meretars in the cohnial bebartment. Xext rear he enterel parlianent for Monfort in a anpjorter of Pitt. leing returnell far Lisherarl in 1s04, he was apminted secretary of the thatury athe he held the rame oftice maler the buke of
 misamer of the Whols and Finents: in 18.2 Presilent of the Buarl of Trale. and treanume of the nary ; and in $182-$ recretary of state for the commies. Sut he revigned oflice linally in the following year. Throush hiv exertion 'the wh restrictions on the trade of the colonie- with fomign countrien were remaral. He alan whtaned the remowal or whetion of mans import duties, con--iderable relasation of the niliwation laws. amb is allowed to have heen an antive finsmet of free trate. Die reveived fatal injurie- at the equening of the liveruml and Mamenesm lialwas. lath September lain, and lipit the same evoming. A collection of his suecher, with a life pretixet, was puldinded in :3 wh. in la,

Hoss. or more pronery lle , lohx, lmhemian refomer and matyr, was han in (fromathy) 13:39. the son of a bohemian luatant, at llawiner of
 Two years atter taking ( 1896 ) hio manter - itarge at the miversity of Prazu he began to lecture there on theobegical oulifect- He hat at thin time
 writinge, in all probahilits throuh thme of Bohpmia:- notime and he is feliesel to hase male then the hitan of hiv trathing. han hat was alpminted weton of the university, and legan ti) preach at the Bethlolem chapel in the eity of Prague. It wan mot, howerar. until the war ifus that he cane into conlliet with the foman' ' atherlie Churel. In that year certain at lii- palpit nterames against clerical abmes wore baid hal mon hy the elergy of the dinmere and dits if lratue, and made the srombl of a fomal complant aqainet him to the archlonhore slisuha. In come meme of this H u- was toribiden to exercioe prowly function within the dioeeme. Barls in the folloming sear the clement of lulitioal feeling was infoced into the prarrel, all the strons interst- of the awahening natimal ronciomone- ranging thensetven in
 cmindetely won the heart- if the emmmon fende. Blthongh III-W Wan akan elected bector of the
 mis.iond an inguitur to inventigate the charge of heretinal teaching which hand hen allown
 tion with thi prowedine that in levember the
 Hemmation of Wrydif teanhing, and orderod all his writing to he phblicly humen, and at the some time thelate preaching in any excent onlewiate.





poolle still mantained his position：nor did be violl bue jut eben after the cotime city was hail imber a peapal intertiot in 143．Bat ha the hast month of the following aror matteri haid greatly
 ont ret mome haldy agamet the chareh ；hence sume
 mineoity，hath fallen away from him，wo that he Was ematrand to yield the the dreste of the king of limpmia，Wencobtus，that he shand abent himself from lemone．He fomm refuge at the cathen of certan of hiv suphorter，for mearly the while boly of the molbes were with him．This enfarmed leinare he emplayed elidelly in the com－ boition of his princjpal work，Ir Érelesiot．This lomk，tuenther with many of Hoss＇s minor writiners． contan monerons pasages taken almost revtatim from Wyelif＂s works：and the anthonitios of the Laman Catholice Chardi mant have lowked uan
 bins．Ahont this time a enemeral conneil was
 called non to present limmelf befone it，in order th hase his case aljurlicated mon．lowided with ：c＂afe combluct＂from the Emperon Nixis－ mand．he arrived at Constance on 3il Nowember 1＋14．Three weeks liter，in violation of his sathecombet，he was seized and thown into privno．
 hat ho．hand remmed preathag atter his arrival in fomstanes．An ill themer for llaso was the can－ demmation of Wy－lif？writing hy the comocil in
 ang：limt he was not permitted th－peak freely in hii awn heforee．nor allhmed to have a dofember to
 ditimally．to make fall sumismon to the enmeil， and th pleage himeelf not to pread on teach the
 Haw raterorieally refined，and was forthwith leal to the stake，and lumern to arhes．on bith baly：
 Itath of foln Inase ronsed jumblar fielluge in bohemian the the highest piteh of wrath amb iming． mation．Whilst the manes save way to rioting amb modered Roman＇atholice ecolenasties，for moblen．in a diat which hat heren hastily sum－
 attenal their womidenee in Hars，amol their whatia－ tim of his permual rhatrater，and three days later
 ：the of likerty of prowhim in Foblemia，and for Mheming their leelief in the Worl of fond the the altimate lawgiser of tha ellureh．For this they were excommmicated lay the comoil．lioth parties
 wht that the linaite were not all of one mind f for， an in all great fupmlar movements of thi－kimal． there was an extrome party who were dosimbe of naming thing the grater hometh．＇Phe mow

 latmater，tha riath of the laity to reene tha come








 griat in thoir＂omdemation of prosators，the






Bohemia was clamed $1, y$ his brother，the Fmperor simismmd．Kevertheless，hoth partien miterl in ollerines a stulburn mintance to the emperor，and his fonces were defeatol at Zinkatery in 140．6，at
 in 14：3．Inder the twa hothers lrocopine the Hussites invaleal silenia，Sunhy and Franemia； they were salid to hase takion and ilestroyed more than 100 towns and hote villagen：aceoring to a fonbthal legend，Nimmbug was saved lay the inter－ eesion of the selomel chilimen．After the batte of Tius negutiations were begon．which ended，two years later，in the falistines securing their ends by the＂Compatata of lrasue，whirh was signed ly the delegate of the Comacil of bisel on 30th Nosember．This parification the Talnoites refuseel to acerpt，amb in the contert that then ensucd het wewn them and the（＇alixtinus．they were worsted at Lijan near kinlin and at Ifrib near Pumisela－ Brom in 1434 ，and from that time rapilly dianpear from listory．Two sears later the Enperer siwis． mund，after ratifying the＂＇onntatata＇with his ignather，was accepted hy the Bohmimas as their king．The Ctramists finally lrecame marged in the Muravian Brethren（q．v．）．

Sce Jhramentn Johennis Hus rithm，Iloctrinem，cemesem illustumtio（ed ty Palacky，lster），and monographs by Becker（1が心．Krummel（1s6 law（in English，1wse），and Laserth（184；Eng．trans． 18sti：Wems．Huse ot le＇rillorve des Hussites（1878）； Palacky，Yrkumbiehe beternge sue Gischichte des
 Bötmishlien Lirformetion（1shit）：Lezold，Sie！mment und

 Hus（1Sムの）：Le＂ger，Mistory of 1 wistro－Muntury（Eng． trans．1490）：Lechler，Iohemmes IIuss．ime Lebenshild （ 1830 ）；the articles Bohemif（＇Literature＇），Z1sisa， mpiebrad，Constanee，Wrelff，\＆c．
IIIssill，a light－cavalry trooper，weariner in
 with sabre amb earhine．＇The loth amd isth light Hragoons were changed in lsob－7 to llasoms，the enrliest in the lbitisla arms（see（cavalay）．The name is not at Ilumgarim henserer，indioating that they were raised one out of owry formoty inhabit－

 and taken into pay ly Mathian（ompinms．

## Hissein．See shimpes．

Hastrin．an ohe tomn in the Prosian prownee
 rail and 2！from the North seat．Pop．促位．
Hutelieson．Fhanels，a diatinguisherl philo－ Opher of the istlo century，was the som of a l＇raberterim minister in the north of Irekand， wheri he was lem in 16em．Has studiod for the churd at the minerity of dasenw，hat smotly

 of Dulding Which prowed highly sumescinl．In

 tha．memp of introducing hime to the motice of many

 ath Bometer，and others．Tlis work was billowed
 the lofesions：and in the valr affer her was ap－









and uf the eommon-sense philnaphy, although he is

 nay be dated the metaplysical philasmaly of Sent. lame. Dint it is as a moral philowopher, rather than as a metaphysician, that llateheon was ennepienous. Wis system is to a lane extont that of Shafteshury, hat it is morn complete, molemont, and "learly illustrated. Inatcheson is a strome "pponent of the dhetrine that hempmonere has a salfish migin: he is practically a utilitarian; and the famlay by wheh momal distimetims are reemenised Ilutcliesion (after shafteshary) terms at morel sense. See ETIIICs: Fowlar, shoftestheme and Hutcheson (1882) : and II. R. Seott, F'omio Mutileson (1900).
 was the danghter of a Linoulnohire elerwoman called Marbirs. Lom in bato, she marriel a Mr Hotehinson, and in $163+$ they eminrated from Lin. colnshire, England, to Howtm, Massarhmsetts. Sho beld various thealorical heresies; amonust athers, that the per:son of the foly lihost dwells in justilied persmos, Sla lielal mpetings, leetmon, amil dpnonneed the Massachasetts clergy as heing with few expeptions 'moler the eovenant of works, nut of erraee. It er followers were clargel with Inti. nomianism (IN. a syom was ealled, in which her teachings were eonilemnel ; aml heiner tried fir heresy and sedition, whe was hanisherl from the eolony. She and her friends arquired territory from the Narmaransett hotiancor lihome l-land, where they set up a commonity on the highly commendable prinoiple that no one was to he accounted a delinumant for thretrines. Sfter the death of her hashamel (whor
 ment in what is now Niws Yonk state, where, in 1643 , she and her whole family of lifteen peroons were taken prisomers hy the imdians, and all hat one danghter barbumsily momered.

IIntelinson, Jums, an English theobogical
 He was for some time stewarrl of the homseluld of the buke of somerate and left lis service to devote himself to his mbinions sturlies, the lake
 a year from government. In lowt he phblished the first part of a work millem! Moses' Primeipion, in Which he defented what herememed as the Mrosaie eommony, and assailed Newton's theny of eravi. tation. IIte continued to publish a sureposion of workis till his teath, which took place om esth August $173 \%$. llis religions system is leses es. hilhited in his Thourfots comerminy lirlegione. 'Thes leanting jurnuiple of it is that the Holy soriptures contain the elements not only of trum religion, lant of all mational philosphy, whish, hanwer, was toln
 that properas, was snlojarted tu strange eritieal or rather fanciful processes. Ilis followers were falle.el
 of emsiderable learmine and coplehtity. Jinistorn

 Hatehinsunians.
 bomitan quonteman, was tho son of stir lhmmas Inatehinsm, fond was hom at Nottinghatm in Sisp-
 for at shot time at Lincohts's Im, and manded in


 lime at lant to sillo with tho pirliament ratlote




Within till the romes of the strmeghs Shout tho hemiming of the rear bitt; he was sent uy by Nottingham to lill his fothery place in the barliatment, and later sat ats mat of that commisejomers
 and signed the warmat for his exandion. He sat
 alamed at the ambitims schatimes of (rommedl, and roased to take an artive part in pulities. It the fiestoration, aloner with other regiobles, he was inelmded in the tet of Ammesty, lint lator was inprisomed for alnot a yatr in the 'Tower ably at
 of treasonahle conspuracy, aml tied 11th teptember
 for har chilibren, was first puhbishom in 1 sofi, and revealed to the world a celightfinl pioture of a grave anm comrtenne gentloman, hemotiful ame acemplished; temer to his family and tho poor: fearloss, frank, and honest in tomper: intonce in levotion, set entirely free from ansterity aml fanaticism. The unsonesht leanty of thes styla, and the alsolnte sincerity and tunthfulness of tha narative, rive the hook an abmos unigne plaw anong Finslish liographies, and the trmor levatedness of lowime menmor with which thronghont it is informod has still juwer to tomel the nomern readm with a thrill of sympathetic emotion. An excellant aditinn, by (. M. Firth, was publisled in 1sis.

Intten, Phunf von, a fiemman alyenturer, and a comsin of l"hich von llotten, was hom at Birkimfelal abont the end of the toth century, and was elloeatmat the emirt of Hemry uif Nassan. In L5es the Emperm Charles V.male a grant uf the province of Vemomelat to the Wrenera, atim of
 one of thre companies they mont ont. Ho acomm-

 Waters of the lio. Japma, near the "ruators. lat 1511 he sit ont in wareh of the finhonit City. After several pram of wamlering, haraseer hy tho natives amb weakened hy hanger amol fever, he and his followers cam: oh a larye ejty, the capital of the Omandias, in the comintry noth of the Anazons: and attakking this place, thery were
 wommed. He leal thase of his followers whin survived lack to Com in lith, where duan le (amavaj had in the meantime hannered the olther of viceroy: and lọ him Hutten atml his livitemant,

 them, and the lule of the limmans in Venezuelat cane to an entl. Hatten left a narrative of hia jommeyinars, which was mblinsed molar the title Zoituny ulis Indien ( 176.5 ). See alars Von hanmeres, El Ihomeln (Lequ. ISSS).

IInten. Ulaicif vins, puet, limmanist, and
 Framomian fanily whone estat was at sterkelherw.
 of watk health, he wis dextincet, althomph the eldost son, for the fornome, aml was selnt in ly!! to the lamedintime momastory of lialan. lint his
 batiant of matratietion :mal of motrabit - did mot lit him for laviner the melinions life, and in liot wr



 finally pasad hy way of liemnatinto laty (lite).

 Now laraning and his mommitable spirit. Ilis
liot work- Latin poems were printed in lione: and in the same year he wose the firm of hav man bitter satises. limom lhis time mwants his gin nerer rested: whon not emplosed in luhatf of the great "ance it was hay ins sume private frold or


 bleoter of Mainz. There he first heqame ace !latinted with Erammac, tho leader of the !lmam-i-he movement. In the erning of $\quad 515$ all tha diry combativemoss of lhuttens matme was monsed lys the murder of his emsin hams, who hal heen wantonly slain ly I Prich, Inke of Wintembere. The young puet lannched dennmeiation aftor demunciation at the ghilty doke. and called mon the
 ing the sword mon his thiph, he matrome into If irtemberer along with the army of vengeaner $l_{i}$ s fimily had raised. His friends then sent him hack to Italy to study law. At liome and at bulonata he pent nearly two yars, and came lome to antar the service of the Arehbishop, of Mainz. It was at this time that lue worte his most important wolk. his share of the Epistuler eloseworme I'irorem (1. リ.).
llaving heen formally crowned joet-lameate of Germany by the Emperon Xaximilian at Angsinarg in 1517 , Jutten heqan the real wark of his life, his deliherate aswanlt mpon papal augrowiveness, in an irmical derdiation to lan $X$. of a now edition of lamentius Valla's exponare of the fietitions I homation of Constantime. When lae first heard of Luthers revolt, Hatton lomber mpur it as a mere monks prarel. In Jale las took part, ilfoug with his subsequent friend am? patmon, Framz yon Sickingen, in the eampaign of the Swahian latge agrainst his ohl enemy, buke Clrids of Wintomberas. but this condmed, las retmomed to the attack poon the papal power. The incal that poscesser! his sonl was to crpate a matiomal Germany, delivered from the latefn! interforence, extortion, and spintual tramoy of supercilions priests from begond tha Alps. but lie also ammed at an intellectual refom of the so-called leamed classes, through the sprend of the Now l.earning, and at the enltivatim of refinmment in the habits and mamers of his emontrymen. It lenath ha came to umderstand the real simbilieane of Luthors actiom, and, at once joining hamds with lim, he espused the rofomer, part with his enstomary impormasty and relimence Jlenceforward las was mone rovely iveletition with the liefomation than with the llmmanistie movemont. A set of dialornes whiel hophlinhat in liso con-
 This at last stomer the pepre to take rotribintive
 llathon from his spriop. Hattom fomml shetlam in siokingon's strong eastle of formonmer in tha
 disolatesed a perfoet shower of invertives, demme. ciations, fall satime at the lieads of the lamanists,


 lamination of tho anemios of thobe emantrs. Inal







 a hittor "lintolaty ynatul. At lbavel Jottorn was


it mate retreat at Wilalhansent and at Karioh. Wate
 1, h the little i lame of I fnam in the Lalie of \%urich. 'I'here ITuten emed his stomy life in lises.

His writings fall into thro divisons: (1) Latin poens (159)-16) ; (3) letturs and oratoms (1115-17); and (3) dialowess and letters, melahng his (emman writimgs
 lives of him loy Stranss (the ed. LNA: trans, ly Sturge,

IIntter, Jenwildall, whampion of lathman

 from lise till his death in l6ai. Iilis Comueulimem

 work. Ilis name was alopitol ly llise (ofv) in his well-known relabilitation of the Hld latheran


Intion, CHIBLES, mathematician, son of a supeimtemlent ni mines, win lum at Noweastle
 was a leacher at lesmond amd Serweanthe, ami pmbliclipal works on arithmetic (1-6it), memakation (1751), ami liridres (17,2). In 17:3 he wan mado. profencor of Dathematiox at the Nilitary Acalomy,
 lations for determining the density of the earth from Waskelymes olnervations wate pablivied in the Phitasopiliend Tramsonetions for 17Ts. lle re. simed the professorship in 1507 ; and he died erth dambary 1823.
IInttm's most important works are Tubles of Iroducts amt Pomers of Numbrs (1751), Mathemuthat Tobles (1785), Muftermatimel "thl Ihilosembicel Dirtionm?
 tims in .Wathometzes end Natural Philosogh!" ( 4 vols. 1sib-largely from the French).

Hutton. baves, one of the fommion of geology,

 hat on hiverum bome ( 1754 ) he settled in Burwiols shire amd devoted himself to acricultural pmosulte and to ehemistry, from which her wat hod to miner. alogy and geohory. In 1764 her pmond to bilinforrols, and thate spent his time in wiontitio
 He real two important papers lesore the loosal


 ilmupht, bu wom away hy atmoshamie inllnences,
 the stat. where they are comondated meder preat

 therohe phit and crached, the fissures at the same time lilling with molters mineral matter: and so the promes goms ont. 'Ilar formation of min he abriberl to the mingling of two stata of atir of diflerant temperatmos and the shbergent condencation of the mivture.

Ite also wrote Diswermons in Vintural Jhilosophy (17!2), Consibimations un tho Nithete of cond and ritm




 "ollown $\quad 110$ wat for somber time a linilatian


 Emelamb, wlital the new quartorly Nolional lic.




 man: had eomstant resaml to mhitobl ami religious
 whether literary, sorial, of politual : ami greaty





 II is last yeas were conded lex the matmelorlia oi his


 Faling. Niddlesex, tho Jay lvo. commenced his enhemtion at the reham in that phane, then a small village, and afterwards stmblird mendicine in the Nenlical School of Charime 'roms llomital. In ISt6 he entered the merlieal service of the royal navy, and did duty at llaslar, until the winter of the same year, minder the lite Nir soln lidehad. son, her whast influence hu wats apponted assistant-
 manded hy (agtain owen stanley, was commis. sioneal to survey the intribato pasiage within thes bimper lieef skirting the eastern shores of Amstralia, and to explume the sea lyins betwon the northern end of that reof ams Xew Goineat. Ilns. ley devoted himself with zeal to the sturly of the numproms marine animals collectod dming the surver, aml male them the sulatects of seientilic pajers, whels were puhlinhed by the Royal and Linnean societies. Towamls the emp ni kso the Linttesumbe returned to lingland, and Inveley had the matibeation to find that his palere (ine the Amemomey whed Affinitios of the Fimmily of the Urrlustr hal been puhhinhmi in the Ihilosomtrimel Transections. In lasl luxley wis elected a Fellow of the Poyal somioty $;$ in lsio one af the two hoyal medak annually givan ly the Soriety was awamded to him; ant in ls. uterl to the Soriaty"s Tretusertions a menmon
 In lsit he was appminterl profrewor of Natmal llistory, inchaling lialirmotnhys, in the linyal Srlond of Jines in plate of Profeson Edward Forber, and held that witice cmathed witls the enratorship of the fox-il enllertions in the
 from the puble sorvice in lssi. It was part of the duty of the motenno to doliver a eomise of six lectures to wombing-men wery altemate vear. Some of then howe leren polilinhen. In is.at le publisher cmatrilmtime to the anatomy of the lirethopmete, in whieh some hitherto unsusperted peculiatites of their stucture were tesrribed: and in this and tho precenting vear he wote several ensus on lintulnginal sulijects. In stati le areompanied hiv frimal In J'yndal! in his first visit to the gheiers of the Alpos, aml his name aprears as joint-anthor of a julury, (haserations on (iburiose (Ihil. Trums. 1s.7). la lsin his large

 his vosare, wa- pablisherl the liay sumety with illuntrative plates. Jitar lif apmintoment to tha lioval rehom of Mines, lluxles: attontion was







 mophoblygy the mont imputant bitures are the



Inain in man mal apes, and wn the relittion of man



 the rmanial ame dertat structure of the ('antime


 other fosid laverteloratat, memoirs om l'tratyotos







 and Eublonees of Atlinity hetwren lieptiles aml
 (1ssi). In physiology, a shont treatise, Ifesomes
 Hithenphimal"and gentral charater are collected in



 (1s:4). His mollerted essays, with ath antobio-


 "मot口 his Lifir mut Letlers (2 wols. l:000).
lluxter stomgly iufocated and wreatly furthered I arwins views thal evolutionist doetrines in semetal, and was a keen and inctise aritio of what he ratmed an ohscumantist thenlogical projulices. He befly the ofliens of examinal in the maversity of Lombon, of Futherian professor at thr Koyal Invtitntion, of llanterian profesmo of Comparative
 preailent of the Ethologital suotety and of the British Assuiation. He was rearetity and presi-
 presilent of the liosial Somety. [10 was elected


 on teat-fidterin (lsit-tif), and served on several

 lastom medal, the fopley medial, imm a siwedish






IIIV, a town of Palgimm, is romantionlly situ. ated ainid Jofty roeks on lould hamk of the Xemer, I! miles SW゙. uf Lieme by mil. Its citalel ( 1 sog),


 was lamen in 1:317. lathe virinity in's ironWorks and real-mines, :mme the mannfartures in-













is an example of that buwdial aromotrieal tatent Which lat at the fommation of all his serentifie




 Ihis work rontans expositions of many of the -ans of romstrained motion. asperially thive apliahte (athe ronstrmetion of timekeppers. Has:


 that to the reannos of hive femonstratiom his

 form, wan largely imbelted. Ningom was astment


 "ipos. By mans of an imporeal telesenge of hisumn chnstruetion, Huygens in lañ diveovered the rins of satum amd the fometh satellite of that plamet.
 in a work intitled signtrum sirtemminto. In thro

 ablmitted a member of thar loyal Sooboty. He dis"owered the latw of collision of mastie bmine about the same thme as Wallis and Wren, and also mate a material improwemant in the nir-pmmp. fint hin mont important disoberies are in the depart. mont of oprics: he it was "how lirst poprombert and dompoped what is now known an the malalat.
 of lobaristion (r.v.). 'The "principle of Juysens" is a part of the wave-theory In IGin IInyrens worivel an imitation to setter in Francer with the promise uf a peanion from ('ollert, then all-jwnerfal in that ponatry. At liarishoremaine till lich,

 tha l'rotostants, le deemmed to hic man comator, amb died at the Hasue, stly duly logn. llis


 fre soll of at lateh father al latis sth firmonay
 ministry of the intorior. llix time movel, sere "r"








IInzinersh, the mon lranian elrmant in the



 Inlia, 1 ravelling loy way of the lowat uf findi,





 gribes of mattore whirh batme moder hiv abormation,








1o a remark inded to the title in tha inmerial ('himens melition, the work womlel reern to lave bern
 can only mein, as Stablan Jnlien abervos, that the fmblamental part of the work rebatines to history, legembs, de. wa taken from llimlo sommes. liendes this homk, there axists a lios. -raphy of 11 wen-Theang writtes hy two of his diseabse lath works wore transated into Framb

 in the lith volume of the fonment of the Romet
 ner"s Oriental Lilmary (1sss).

Iyacintli (Hymeinthas), a remus of piante of
 with corolla-likr, herl-hapeal, feloft perianth, six stamens lixed in the tube of the feriamith, and dry (apmalar frnit. 'Tlie flower was falimed to have -prone from tha bowe of the latiotiful Sbatan Ilvacinthas, lueloved of Apollo ium Zaphyms. Zephyrus, jualams becanse Ilyarintha- faronred Apello, c:usent Apullow ruait to strikp amil slay the leanterots youth while the two wres at plate'The Griental llvacinth (H. oriontulis), oma of the most fasombite of llorints flowers, is a mative of $\boldsymbol{A}$-ia Minor, Siyria, and lemsia. It is now matumatised in some parts of the south of Emione. It has lumat
 with a raedme of many flowers printing in all direetinns. The thowers in cultivation exhiluit great variety al monar, chietly har, pmple, and white. 'Thes are very hamtiful aml very fragrant. The frasmance is strongest :lumit or after elaben arloels at mizht. Amomer motisated hasumflis are


Hyacintl
(Ifureinthos neicutulis). matly with dombla dowars.
 porionl. It was intronlacet intu Emoner, pohathly
 contury smon after the resisal of commeres. when the traters of Jhollam eation their morehamber to the ratern formen of the Morliter. ramean and tha Archipeliter. It was very litale Kmown in livitain till towamb the leximnine of the 17ht rentary. hat somen attor its ablitation hat





 -

 whirl is and always hav luroll the erntro of the
 wibh the view of berothes the alomand of the
 finsiful walthy fow. llyaninh halls, planterl in








 of hatumblas are matione of the somth nif Enoone
 lyanduth, freguratly endivated am samben flowers,

 Inemtifal blae flowera very like thase of the oriental
 scriphes, aloo known as siallur "utums, Énel!"mion
 the Wilal Ilyacinth, innd sametimes the blue-hell






 at Ivigunn and Xantes. submemently entoringe the ofler of the lammeliten. he became kinnwn as
 Onthuniantic andienwes of all ranke of acioty to the Naterleine and Notre Itane in lonis. Nhant as
 Whiol he denomened existins ahnees in the charels: athe Arehbishop Dithoy defemed hime atainat the areanations af the dennit till in lsog the Comeral of him offer innmen silence an hime. Ilyamintle replied hy at letter in which lee called for a thomong reform of the elunch, amb was ex-

 ntme of the Abhe Lasinn. Iho proteoted vieror-

 amd on vinitw to the [nital states and Ensland fraterni-e with l'moteotats, he alwas deedared hiv intention to rematin in the Catholie Chareh.

 American lask. In Fi-: he wate chomen rare of a moneromation of Liberal ratholies at creneva, lomt sunn left thome. J. hav puhbished sermons and




Iyadex. in trenk My tholory, the manex and
 Fons convertal them intor stam and transpanterl them th the hearem, whom they form the heat wf
 -nn wian hold in (ireece to mark the hegimangr at the rainy season.


 the (amivorat, of whinls, hownore, it is a somewhat

 and two "anime teeth in and jaw, tive boblar on sach side in the unger jow, and fome in the nomber.
 the * Aralm, ther are proverlhal for andithers. The
 in whl hyandan. 'The himblynaters ate lower atma watier than tha fore-quartero of the homb, wo that
 cowered with rathel lonse coman hatr, forming a





 well as newly killeal Prey, ad ate of much u-e, like

 poilute the atis. They abuetimes attack "attle. eanecially if thes How lat rarely matn, thand they nometimen mife rhihlren. lbuiner the diby they

 in puat of pros. They powl abmat towns and villages, and witen dige ublurnes that latse mot

 ally remarled with homor, amd very exalogemated acconnts of thoir licremoss have heen promalent.
 lat lndief, they are catphble of being very eond letely tablent, and show an attachment ta mabl similar tor that of the hor : they have eren heen had an wated-
 - omth of Isit, mot extembing to the farkerat cast of the latter comiment. - 'lie strijed Hyanit ( $/$. struatu) is foumal betd in Asia inm dfrica, atmed



 than the latment variotien of the stripled havenat, lat
 woli lyy the colminto of the Cape of Counl llupe.

stotted Iytena (Hyrmu (romque).
boxides its odimary howlins, which it emito very
 indnlares in an expreabon of gratiliation on of some




 -mallag smok Ifricion suecios.





## 










 $\therefore$ manch sumer by Latin foreto, wan githered on the hills hear the lirat two ritites.


 'I'lux, itwording to the degre of divergenee











 mithed Como.










 and not a few otherinore of los nearly related fomm





 turn out to have herel mothong mend thath hamios








 wa witl ther suerms of wher sure ites has at leas ranleot in the doveropmant of hythid taipolen : in








 llu avit of allother.

Mylmodisetion in flemts. Fiverriment in bure
















 i- mantial la sumomind holirilisalion. When






 thas stima of the latter were fatile. The remattont

 wiblamt sexal homg porlmom, ar seeds maty be





 Tha leaven and the shater of the homer, hat in plasion





Hybrid Leares:





















 alomur of fartilits.








 the hlarh mann, the dail mathe the molatta.





 mo botall witrathted in satsinor mome than that

know thrm，sum that it munt lan femmmbernd i－ for the mont fritt in cemplitions of damostieatims． where the bealtimes aterility maty hate lion due to
 than（1）the lay bridisatimentweli．Nor do the fitrom
 babety－hylail－are alwatse fertile Nut muly arm there casen of the reverse，but，an Wiallane yosty frints ont，the eqnelusion Wis again lawal on domesticated fomm，in recrame to whime it mont be
 dhamesticated was that they shand eontinue fertile umber chansed conditions of life．

Hybrids in Réfetion to Evolulion．－Thu fasts of
 conneeted with evolutim．Is anly a few general stimements can be noter］here，the reater is cofermet to the eited work of Alired linsoel Wiallace．（1） Fertility of monfertility of crosere mant not hes ＂ximatrated into the test hetween variety amt －pueder for all speciex hybids are mot sterile，nom all variety－hylarials fertile．（2）Fertility alepmads． on some ilelioate mutual arlontmont of cample－ mentarineo of the male and female elementr，and is realily distomed ly extemal or mostitutional
 with their like anmore exinting variotien，and in this． way it is lelievel that the swamping elfects of intererominge hare heen usually mbviated，though mutnal infertily and gemsaphibal separation may
 lats bial－tress mann the fant that hoth varioty amil species Jobrins are lishly variable．In his theory of＂uhysiohngeal melection，＂lomanms hias tomphasised the improtance of matnal sterility in mplitting n，ond memes into sereral．Whenever any variation in the high］y variable remmbutive sritem vecurs，temding to sterility with the parent fom withont imparime lertility with the variotal form，\＆physingotical batier monat interquse，divid． ing the jecies int＂s two parts，frese to ievelop
 ly independent variation．＇（5）Dawwin coneluded that＂the sterility or infertility of amecjes with each other，whether manifesterl in the hitlienlty of obtaining tirat erom－hetween them，on in the sterility of the hybids thms whambel，was mot a eonstant or nuressims re－nlt of aperitie ditleronce， lont is ineilental on unknown frembianties of the
 further in hin embaronar to－how that＂if we areept the anomiation of anne herree of infertility，low－ evel shinht，as a not unfregment avenngrabinent of the external ditterences whele abwas arime in a state of natmre letwoen varisties ami inelpient －pecier，natural selection has the porer to increase that infertility junt as it has the gower to inerease other favourable variations．
 Heprontcrans，SEx，spectes：I＂．Brora，Jum．d．i． Phevsol．，vols，i．ii．iii．；W：K．bromks．Meralit！！
 Domesticuten（Lomd 1stiol．and Lffects of C＇ross unt





 his references to Kolreater．Herbert biarner，Nioseli，





## 



 to that of Tomin rehimororews，fouml Mpecially in


 sise uf al $]^{n+2}$ tu that of at elihla＇s heand，weighing in same caract l？to 301lı，imbl motialbe atornim blather－ worms for ith par litic asexnal hul－ tiplieations．Frmon the immer sumface，
 amedial hroenl－cats－ sillas of the size of millet－seed，some－ times lmadreds of＂Jeatls＇are hanteled otr：while vamonter handiers Hay alan het pro－ －liven externally． Tlise whalt tape－ womm is shall， aml liven surialls in the intertines


A，brood－capsule of Eehinorocens reterinorum．with fully－formed and rudimentary heads； 1 ，allalt Trenin edhuoroceus． uf elog，jatkal，ur wolf．It is from the shog heing kept ton much abmit the home ar fremon that the egirs which give rive to the dreanfal Eohinomoros limitheir way to mann．Thae disease is known in most comntries of Enompe，but is commonest in lcelaml．＇Tho term livalatial is mometimes extended to other hlanker－ W＇oma－e．g．the＇stagerr－worm＂（T．cumurts）of the shepe，or in medicime to semas ersts which lave nothing at all to do with parasites．bee TAPEWORA：and for a very full disenosum of Eehinomens，see Lenckatt＇s I＇arasites of Mon （trans．ly M＇，E．Hoyle，vol．i．Elin．Iss6）．

IIyde．in important mannfacturins town of
 of Stmekort．standing in a eonlfieh，amb enjos ins ample facilities of communicution hey mat，
 to a comsinlerable town，which in lssl was in rorjusated ats at monipibal bromgh．Cotton is of conme the staple mandfatme；then wome the felt－ hat indnatry，engineering，buikr－mahing，de．＇The （twathatl is a handsome builling．Pol．（Isll） 1smi：（1861）13， 222 ：（ 1891 ） 30,620 ．

Hyderabidd（Haitemellad），or the Nizames bomidionss a great native or fembatory state uf lamlia，ocenjies the greater gart of the becem phoper on exatral platean of sumbinn ladia，be－ tween the provinces of Manlris inml Jombay．Area，

 （1s91）11，537．（140．Alont a tenth only are Alohmmotans，fomm mainly in the citpital，thommh the Vibam and state are Nohammontan．Telnem，


 reloml－motrly doblbed，and the prapils imereameal

 Cimbarai，with its tributaries the Dushat，Jamjiat，








 numerons．＇J＇loe dimate is goonl ont the whold．

The mean temperathe ai the capital，Haderaban，



 ralway from Mablat to limhay interomet the



 the military forme
In lisi the temitury lome kown an the Nizam＂：


 Il．Matl：（＇regalator of the state＇），male himelf imperment．After his leath，in 176 ，two clam－ ante anteared for the throne，hi－son Xanir dans．
 the former wan ermanel hy the Eat holat Com－ bime，and that of the lattion ha hayly of Fremels
 a perint of arife and anarehy．In $1 / 61$ Nizan Ali oltained the mpeme phere and after ompe vacilat timsiened a tyeaty of alliance with the Enelish in 176if．He aided then in the war with Thym， －matan of Mrare，and at the tomimation of that war，in 1 Tom，a new treaty wan fomed，by which， in retmon for certan teritorial conceriom，tha
 －nhadiary form of buon men for the detence of the Xizams Jominioms．Another treaty was enmeluled in 1sa3．The Nizam，who in pmint of rank is the firt Mohammetan raler in India，remained faith－ find to the lititi－h dmine the mutiny of 1 s． $\mathbf{i}$－- is


 －nplu－reveme being returnel to the Nizam．

Hyderabad（Haitumbun），the atpital af In wieraban state，stants on the rioht lamk of the＂


 Hanked lay hations．In 1 s： 1 tha lophation，in－
 comsinta of wery varied elememote and is full wi war－ like phit，maty ary ome earsing worns．The
 the Nizan，thongh arehiterturally of noweat import


 Bongre was farhonet after the hemel of the tivat
 lithic manite columm，：um outside the lmikting is
 able entione of the Cliar Minar or Colleare，with four minatere mating on fun romberted arelnes，at which

 almanitiont pile，with the timet hambay in













 rathat，teminating at limbather，in m the wher
side of the lmbu－It iv fimmo for the mann－ facture of silks，whl－whe，pithery，hachnered ware， and amb of varions limh．There is now a plemti－ fal water－mply from the ludus．A．aganet a native fore it is toldably strong，oremping at sumewhat sterob height，and hating a rampart Hlaked los rombl tuwers．
 Whe of the greatest Mobammedan pime of lumba， wan lum in 172s．Ilis grandfather was at wander． ing fakir；his father a comstathe of a distriet in Wrane llyder spent his rontly in idemes， thong oecasimally dong military nervice：bint in 1749 his hravery at it siege attrated the notice of the matarajah of Mrames ministor．He nom lecame in all lomt mane ruber of the king－ donn；and in loind he dionomemed his mater． allowing hinn to retain lis title，while he himelf twok that of then，or regent．He then comperd rialient．Bednor，Kianamis，and other neighloming
 than 84,006 sef．In．He withaelal the customaty trilmte from the Mahrattas（ $4 . v$ ．），and carriel yin an ultimately sucterofal way aramet then．He wated two ware syanst the Britiol，in the firs of
 sinned a treaty under the wallo of Mabras，Which provided for a kind of alliane：When Hyber was Infeated ly the Xabratas in 1 ore le claimen Enelinh amport ；and on the refnsal of the Matras ：－Mermumentu fulfil what he leelieved to lie the freaty chligations，he lecame the bitter enemy of the Enelinh．Tuking advantage of the war lu－ tween tho Enslimh and Fruch（ $17-8$ ），he and his
 at thmandult into the Camatic，totally ronted two Engli－l commanlers，and ravawel the cometry to within forty miles of lladras：hat he was ulti－
 IIn dien mudenly，still in alliance with the Promh，
 （1mel Tiput sultan（1898）．
If ydnorar a genme of paratic plant－belomsing th the orler tymane which consist momery
 Sfrican speries pamatic on the pont－of thenge Euphoriat and other sheoulent plants：it ham a putril smed，lom is rosated and waten hy the hatives，and is alon usel for tamine．
IIydnom，at genns of fungi lielonging to the
 anil his ing the under side of the pilous cowered with wft yines whol hear the spores．The
 abong thase is IS．reutultur，pare common in shan part of the confiment of Buropre and much used ：an aronlent in litanoo，Italy，and（iemamy．


Hydrat，a dreek islam，las a miter from the


 Ahome ate rocky and sterp，amb the intorion is dostate of rectation ame of water．on the




 andiont times．lroxion to the wat of larok





 attise and womplume part ；hat on the rextoration
of peace the istand hos much of it. former fur perity, leeing outrivalled hysya.

Hydra. a falmons momoter of the ancient worli, said to have inhalited the mar-lum of lemata, in Argolis, not far from the vermat.
 ance. Some make it the inne of sty aml the Titan l'allas, and others, of Echilna and Tyblan. It in represented as laving sereral beats, which imme diately grew up wain as oiten as they were con ant The number senerally rangeil from seven to nint. thomern simonites gives it fifty, and rome hivmians a lumatren, and even more. Its montho, which wene as numerons as its heads, discharged it shithe and deadly senom. The destruction of this reptile waone of the twelve latroms of Hercule.

Hyallat. a fren-water polsp, the simplest and most familiar reprenentative of the clan- Ilyuroma
 mal comsinte of a tule, varying fom $\frac{1}{\text { a }}$ to Emoh in lensth, elsed at the proximal ene lex an allesion phate (foedal liec), wherethy it is commionly attached tor whe water weal: at the othar (di-tal) axtremity is the month, at the arex of a hant mome (hyb-tome), romal whom hase arine fom sia to


Fig. 1.

 dianmeterm (After Marshall anm Hust.)
eight tentades. Thues are semder tolue clowed at tha emo hat wontimom internally with the man cavity of the animal ; they have a warty aplear

 to several time the length of the landy. The pres. Which i- lumabed hy the threal- cell- the he pirsently dempiled. i- drawn ly the temtandon into the month. The lonly-wall even-int- of there diatimet laver: 1. The Ectomerm. or ontor comina, com-
 cell- in a simale layer, -uheminal, with the lamar


 thas lanes of the larger cell. (thr nidmbanta, su


 at the rutur ram of whill the wall i- incamated
 a atring: the conmencement of the imasimated
purtion contans emme printed hatho, the ent is tilifinm and puintal. 'The' 3 anus cmilublath in which the development of the thrallombla jow
 stitial ceils: when mature they aue platal wh the
 the cowing-ell-: the cuiduhant remains as a -haphy-hetinerl saprale romil the theat-edl, and near the apmorne of ins aximatim it sives - nut it little phoceno (midacil), which seemes tio serve the promoe of a triguer, fin num tomelang it the thlie contained in the threatcell in-mblempererted, amb then prevent- the apmanane of a lomse printed filammen, witit hatron, di-pmed in rivelta or three rateh, at it. lave. It in, homrame anly vertatinform of imitation which podhace this etlect; it seem- to lie nomer the control of the newnan -rathm. (o)Nersecell. with maneroms procents, stme of whilh ate con-
 whirhare rentricted to the pelad diac. H. The Embedrim, of intermal layer, emonsto of there linds of riliated collo: (1) a laver of latge cello whela often contain wanule of greeni h matter remmbing that of leave (chlomphyll). Thes have the funder of
 tim, an! ahnot always have emyty armen "r vacholes in then ; they may forthermore gis, rive
 dinal. (2) small mambar eell in the hyluntome. (3) (ilandular cello with varbob- - baces at the late
 stheturders lamella, selarating the ectolemand enhomerm.

The hydra reporluces ly twa distinct mome: (1) anexatily bemmation. When the wather is wam and ford ahmolant, a hollow nitgowt take phare from the sile ol the bouly of the parent at month and tentacle are foman al it dival +atremity, and wentnatly it aquater ly motrir
以istence. Severat londs may fom at mare. and
 sepation from the parent, lat han fomation of
 Anction taken plase when the emoditions of lite






 tipdiation of the interatial moll of the mandom,











 poproductise organ it meme mot pormble that

 is mot primition int alue realt of hememationi

 its themendio: affer the mutritive partion of the


 -npernded haw the surfare of the water: it creep loy lomeling the loms, attarhine it tratialte the the - whace upon which it reas, amb then moving the font ne to the rentande and relising it.
Various speries of the semos Hyilat have leeen

 Mondingll pramen in the collo of the emonderm. It haw heen mantained that these were allak livines within the cells in a state ni symbiosis (I. . .) hat the fatets that the grean hyiria shee not lase its molna in the dark, that the colomred haties late neither nueltor nom end-membrane, amb that they are fomb in the own where they originate form connarlem lmidon tend th prove that they are intergat patho of the amimal.
If a bydra here ont in tho it appears hat within rertain limit- each pertion will flevelop into a amplete animat; lat the stamment often mo proited, as the re-nalt of 'Trembiny is experiments. that when a hadatis thamed inside ont the embelem and potoderm will mathatly take on rach whers functions, and lam animal contimat to lis. is erroneons: the amimal will. on the rontras.

 to loe taken inta the month, it arents the andolerm an an the hring the digentive rello in contart with the food. hat it suedily regains ita miomal stater: thin epplaine the pater it has of rapidly rewter
 promently fand with cach other either hy pin. ning them together with bistles or by intrang nee insille the other.
Liat of mare momortant references in addition to that




 iss. Zuol, xlax. (15:10).

## 












 memat phant. It wan intromem into litatial on













Peal and bom ore are sati! to la bowhetive of blat



for its very latge evote of thwn- II nired and
 frequently to he seen in ilower-cialman in North Ameria.
 ments or with ather ammumbla Tha terms
 Shonsmi of hyforte, and indeed it may he satid that we hawe ho eertain means of disthminhine the one from the onther. The timinetion butwen the two is that in the liyatrate tha wather i- suppert to he preant as water. and withont any bentagemont of the molerntos, while in thi hatroxike tho water in comidmed to have lont ite idmaty, its comstituent abons laving entom into new -Imbinations. A a typiral examble of at hydrate "1s may instane erystallised sulphate of "onder, "ust intan, which eontains the water on lomely combined that it is driven oll hapromed hating. and the white anlasdrom sulphate. (andre is pro harol. Here the water is aldarenty preme as
 is themefore called wator of crsitallisation. When






 (imper) in dillicent sense?

## 

IIydratile Engines or Holors ame ofton





















 rytinter : darime the womking of the ragime the ablinder oneillater, and at the risht time fints one ar ather of the fwo elambere in emmambicition with the interior of the evlimber lowe mas of thin
 other to sumply 10 a threethrow erank. 'The serat alvantage of the singre action is that shocks are amided at the dead exntres: the laree vrank emare it very miform thrnimg fore on the armk shath, and atho emable the ensine to start in any lusitum.

Ilydranlie Maill. see dids.
Hydranlic Hortar. She 'moxts.
Hydranlia Press, veturn valleel bramahis prose from the inventor, domplo Bramah (4.v.) depernts for jts action in ther mineiple that is prosare exerted on athy part of the surface of liguid is tramomitted mimiminithed and equally


Hydrantic lices.
in all directions thromsh the milns (see Hinko stapes). The amedel tipure reprents the eremtial parts of the mathome, minor details of amstruction being umitted. F in a strmse cact ion
 a plunger or ran which fit, watertight into the cylinder: to prome hakan a bather ring 1 alaped in section is plitered in the cavity $r$ ? any water tryins what mat fores the two sibes of this ring hame arainst the pistom and the side wit the wavity, and the proater tho presure tha tishter it kern. 'Thic form of parkiner is num uften replaced by an molinaty stalling fion fillal with hemp backin.. A bian li, leals from tha exlinder to a foreepmop. II. Dis means of thin

















 ther is catromely lithe wath of lawer in hiotion.




 has leal to its must extonsim use : fom erample, com



 fown ate now shermaling the how stom ham mers in large ateetwors, ollwiatige the mpleasant vilnations and ensurings somber metal.

Hydrantia Rilli, a simple and enmenimenty apliod merlimism, la whel the energy if water fatling from it heinht, $h$, wan le mate anail alate to force a partion of italf to is sreater beight. ti. There is a supply-resembir, fed, say by at aping, from which at strong pipe. R, cmindect the water to the ram at a lower bevet. The bam hat twe valves, me, $A$, opening downwams ami in Wards, the other, b, openine mowaris and wat warls: the weight of thene valuen in and hat when the water is at rea its nomal peosmee is mable to berpe them from falling, so that in this emelition A
 I keep it from oprening hare than a certain ansum, fand this can lie aljustom: the valve $D$ "pens into an air-remel. © from the battom of whelt the ledivery $\mathrm{l}^{\text {in }}$, D, leals atway. The antion is an follows: the water flows fom the renerwir

 an it acomires comsiderable velocity, and its presonte therefone on the mader side of the vale A inereases. aml limally hecomes great emmen to chose it. The flow of the water boine thes smblenly ehecker, protures at ereat reaction, and by its momentmon Open- the valu: 1 ; and forces a jontion of the water

 mone, conalins the water to molo out to the wastepipe, and so the whole opration is repeated. The two valves thusaltemately ymand ane and water is ielinered each time into the air chathber, $r$, the
 keeping up a constant delinesy throngh the pipe I.





 and fia ralsing smidl quatition of wate siol its

yathe de－where water it the buner lowel in
 mechaniom．It can eren le mate to wonk at paty，
 motive water i－mull木 or implat．

Ilydrides．This term in ：phlied buth to com









 ＂onthatly pesed to be ilentimet．wo that the wrom hatime，in this semee，is now obembets．





 Cos bailiner motil Il lir sinhe 10 to per cent，then －li－tih mothangh．Se limomane．

Hydroc：abons lembis to the depatmunt of wesuife chemistry，and mat he shomly delined as
 －We．I Pepite their ：yparently simple nature，they ate frepurlaty very whyles，and wist in such mombers ats to bewidar the la inmer in elnemical － 4 mly．Fortmately，they ean la wathered into
 member of which aw dowe related to eath wher．
 the Acetrlemes，the limzente（q．v．）series，and the

 well an in the promet－of the dectmetise distithat

 alrealy sithrated（ s ）to－peah）wih hydugen，and
 molaves．limiquicalls，witan maty be repretented
a－t－i．e．with four armes，eath ome of which is

 11
 11

 －2



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\begin{aligned}
& \text { - } 1 I_{4} \text { Mr|h:ure, }
\end{aligned}
$$

 that when whe ban in a hixher momher that mon















 repreants the man wor of amo in the formalat．



 eal，and that ach member dithos imm the lower



 reatineso with whith they mate with other buties．

Hullowele（fir．hembor，＇water，＇and hala，＇a



 The quantity of thind in the sice may ：mmant to
 ante inlammation，lat if mont commonly ames
 freguenty met witle ：lynit or bevond the milille

 however，it orpurs in yomag chidiren，either in the sitibe form in in alulto．or ats what is lemed come
 or comatios．The palliatise treatment combish in the ne of su－peneors haticks，athel taping from

 frnmer halk in thee on fonf monthe．The curative tratment rasiot in setting＂intammation in the ennice vaginalis，hy the ingertien of tineture of inhine，－a a to whitemate the cat ity，or lay eximan of the whele ar part of the sac．

Hydrocephalis．Imer this term，whill






 gitis．i－rarntialls an inllammathon of the meln－





 ariathe ：anl perphane．or that only the hame whtime of ble mos freplutht ：mal impertant ran


 then is altered either in the dirertion of limblamen






 －hatratminio．
In hai－lisa stime of hathomphathe，which mont

 －



 imparmet or loat，and antinting in ahmost atway
to he ohserval. The litto pationt buw lian on hia lank in a drow-y fombition: and at hin
 paralys is may appar. The expretione are paran


 regainime the und of it - omot for at lay or two. lint then relapoing into at depper tume than before Tha smptent in the third br lat -tage whim may lint only a few home meay patemb tha fremisht, are very -imilar to these in the wermed,

 le emment, and gralually grt bum and more weak till the pationt expine The chamemp istio aprearane after leath are the pumpme of

 of the central part of the lraim, with the enlinim of erems thit intor tho vantricles.
 alase ean he nament in wery case. There i-. in fact, hardy any li-case whane emure is -o variable
 earlier stage it- remprition is ametimes almont imposiblé: yet it is only then that any treatment
 the head, leechinge athl prosation sometimes apmar (t) do geot : lont in the vat majority of eaves the divease prove rapilly datal. hencory ha bern proved ta take para umly in some few exceptional instaner.
chrouir Hylumpherlus is a perfectly distimet diveave from that jut dmeribed: white the later is an inflammatim. the fomer is a drops. In elumic hydrosploalus a watery thand pollomes within the ball. bufore the lones have unitod to form the sulid hrain-ave, and ly presure outwarls eansers them to separate, anl innerases the size of the had -ometimes to an enomome petent. Tha- lin lavil Momore reates the cane of at wirl six year oll whom heal meanmed of fopt 4 inches in rivemuference. White thre skull is rapilty enlacine, tho hones of the face mow no fater thim nabal. and the great di-propution of size betwern the limal amd the face is at ones
 tina- momenem beforp lioth. and almot alway in varly chiliflown, hofore the fontandles and -utures of the skall hate chased. In sme rare


 Whall the -uthore will not siold, death from

 cower or dia in infouce ; hat it fow survive, bear
 ag. Blimhow. lewimen. pals. and indine-


 of sumial life.



 mont in facour fom-its in the shlmintiation of
 nuty lue givan in the form of caltand in mimate







in adsanem! life, after matarenment of her heal has hoomue impurihls. Stulur, paralysio, amb an


 that durine the lat there reare of hi- life he romained in a tato of silonee, with fow and shinht cacepitions.


 an inflammatory diease it in a divene of diditits. and is due 10 a doficient supply of howe to the lrain. The followins are, aroding to Watwon, the dintinetive characters of thin spmome hydre rephalus: the pals, cool check: the halfolut,
 riphed. sifhing repiration : and the state of the mielowe fontimelle. If the semptome are thome of a mone hedrocephalus the surfoer of the fontanello will lie convex and prominent; while if they are due to purions hadrocehahes, and miginate inf emptinu- and wait of omplort, the fintanelle will ha concave anl depremsil. 'The remedies in thix divearn, whel readily rielde to treatment, are nomrishing diet, shatil dosed of wine or even of lumby in armowot, decuction of lark. ammonia, de.
IIydrocharidear. See Ivimbitis, Vhams xeris, Witele-chlilef.
Hydrochloric Acid (xm. HCl: equis. $36 \%$ in bur of the wet impertant compmonal in inorgatic chemitry. If the two gase which enter into it (anym-ition (hatrogen and charine) be mixed in armal valume ther will remain without artion mon meth other it kity in the dark:


 eharacter of thic am that it in colturles. intenedy aed, irreypimble, and whom when larsely diluted is very irmitatimg to the lumse and eves, and very injutimes to vegetation; that it is heavier
 taken at tow : that it ran low womed into it colmorleco liguinl: that it is very soluble in water, and that it is arither comburthle mor a supporer uf combmation. When allowed to corape into the air it proluces. white fomes ly candonsing the atmonderid moisture. If the air lie provimoly


Ther solntions of this ca- in water fom the arid which wan lirt known as symet of sult. then an













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rattion hejner engement as follows: $31+1101=$


 Gatrie juice of mann atnl amimalo, and flases an conential !art in the digentive promers.
('ommervial mmemtio weid-to use the namm employed bs mantacturime chemist is mark hy hotinge in inom erlinters eommon salt (chloride of vombinn) an! nil of vitriol (Jedrated sulphuric andil, amb enoleming the esobved gas in water
 (1.v.), the reaction lxing explained hy the erfaition:

This commereial abd may contain yarions immari tios-an, for example, fron (which qives it a hight (depp yellow colon' , the chomiles of sominm and arsenic-the latter heing derived from the oil of ritrob-snl huric and shlphurons acids, chorine, de., from which it can le purilied to a great extent ly dilution and redistillation. "If phre, says lifler, 'the acinl shomld leave no residue when saporatel: un saturating it with ammonia it shonlal wive no precipitate of oxide of irm:
 in it, whid would he the case if arsenic, free -hbrine, of subhurons acil were present : and un dilution with there of four timex ita hatk of water no white elomal of shlphate of hay ta sloulil bep porlnced he the idhlition of chloride of harimu." The promence if hivionhlorie arid, or of the solnhle chlorishos in solistion, may he detected by the oulition of a few droph of a solution of mitate of -ilver, which oceasions the formation of a white endy precipitate of ehborde of silver, which is insoluble in nitrio acbul, hat diswolves in a solntion of ammomia.

Lignid hedrochlaric acil (moder the name of suinit of salt) wise known to the alchemists.
 in $17-2$ : and lowy in 1 sio ascertained that it
 resbert - hyodrobrmaic, halrollumic, and hydrioble awibl-romembe hadrumhorice acid.

Iydrocele. a Thmour ( $1 \cdot x$. ) will watey content in the than a ranimalis of the tostes.

IIydroryania Ideid. $1 f^{\prime} \mathrm{N}$ or lley, known also as lru-je Sedu, from its having heon first ohtamed hy sumple in $17 x 2$ from the substano. known at lanowitn on berlin blan is of almont engal interest th the dermist, the physician, and the tovimbogist.
(1) ("hemistry- - Pners andydrous hydracyanic abil is a colomemen, hishly volatile lighisl, with a



 hums with a whiti*h litue, reditmo litmon pajer shandy (its and fropertion boiner foteble), and is


 the formation of a herman shblathe known ab para-
 dintillation from the limpots af hittor almomd and many kimb of fome fonit, from the leaters amb







moremo) by divilling fermeganish of protasomu
 a shemorlh "f 9 , fer mont. When kept for ans longh of time it is extremmy apt toderompure

The minary tests for hidrowanie andit are (l)
 there leing fomod a white propipitate of eyande of silver, which is sohblile in lnalimer nitrie acid: (3) the formation of !russian has, he ahling to the Huid under axamination a solntion of some frotor and persalt of imm, hy thon satmating with cauntic potash, and linally abliny an pacess of
 mennat, we have a chatacteristid har presipilate: (4) the mblum test, which is the lust and mont acemater hat has ret lien dimoweratl. To the suspected lipuid add ammonia and sellow sulply Srate of ammonimm ; evaposate the liphid in a wateh-glases to dryuess, measimmally ahlinus ammomia till the excess of sulphydrate of ammominm is slecompured. Nid water, and aciolify with hydrochorir acid. If hatrocyanie arid be proment the sulphocyanate of ammoniman whel hate heren fommed riva a hlonderd solntion on the adilition uf a femic xalı.
(2) Madivimel I sos. Whinted hevilocyanic acisl is nsed rextemally as an ingredient of lotions to diminsh itching in sin liseates. ln otus minim dosex it is quem intemally to diminish irritahility of the stomach, to relieve gastro-intminal pain, romiting, aml fmotional palputation of the heat. Given fy the month or loy inhalation it is also nseful in allay ing onderh in phating, lompinareongh, Iromehitis, No. Ali these applicatioms depend unon its atiom in deadening nomory nurves.
(ia) As "Insum. Ilyolreyanie and is me of omr most phequetio pasmas, amb is frequmbly mplayed looth for murder ambemicile. When a simall pricionons duse (abum half a hawlm wi the - per pent.
 and pain in the head, with crinfusimen of thoneht, nidlimos, mansea (and somptimes vomiting), a quick pulse, amd los of muscular power. If death result this is pecedarl ly emondoinos and invol. montary evamations. Whon a lorye dose has been laken (as from half an onnere to an anmee of the $\because$ ger cent. acid) the symptoms may commence in at few meombs, and it is shdom that their ablyensance is delayed leyond num on two minntes. "When," abse Dr A. S. 'Taylor, "the patient has lerom seen at this prient lie has heen burforty insensible, the ryes dixed and ofintonims, the papil: diated and unallented log lisht, the limbs dacerih, the skin abld and aroverd with at anmay per-
 monvals, amb the patient appars deal in the intermenliate time ; the pmbs is imperepotible, and
 times hationg or shbhing.' 'Tha patient survives fur a honer or shorter perind, andrener to the doms.
 raty as the soronel and as late as the fouty-yifh minnte: the frison acto as a paralysint to ble whone

 Whe respiration in thase which weme mome shan!
 of "omparatively litho atha. Ihlorime, fanmonia,







Hydrodynantide. in ite complete sommality




 statio's. 'The historir usace of the torn has, bow ever, so tival itsolf that we gelorally resaral hidro-






 nisal that they lata morh in wommon from it dynamic buint of viow, and the trims liceame extemded in their appliation ats herined almw.
 same hedromatio bine iple a the thatime of a ship on water. The simplar and sume of the mane practical pablem- of havbotatio will be fommd treated umder that lomdiner In its fractival emrineriner asperta hydroblamates is known as
 the constrotion of ranals. lre aliwaters, docks, funlons waterpiges, water-whecls, and so wh, mont "ff whinh have seprate artielps to themstros.
 primojples of the shlogert, wange familiar ranem as illnstrationn.

The stady of hydrodynamics has lad to the concepotion of what in called the perfert dhall. It may lue llefined as a sulmtance burapable of rewistinot the
 of sheh a hlude can posiot, wen for a moment, a fonoritulinal pre-ure if manblumad ly a lateral previne. The loniend com-eqneme of this delinition Is: that, if the thinl is at rimet, the pressure at a juint is tho same in all direction-: fur if it were not an there womld he a deforming stress, and therefore a Violding of the thaid, amf eguililimon ambla not exint. By similar reasming wo may show that, if
 rest, there mant he an motomal fore arthor on the Anid in the direction in which the preanare is inderasing. Thas. in virtme of ratity, atmonplerie pres.
 the neenn or any other beniy of water increases as wo doment. So home a we are dealing with equilibrium of fuidu we moet with nothiner ineonsistent with the dotinition of tha infeal perfect tharl. Acron every interfar mabratine two contiguons porthon of the lhat the montial strese is of the nature of a breanre wholly momal th the interface.

When, howerar, we pere to rance of that motion wh fime that the propertime of the profect thatilare very far from hoinurealiond in matmer Thesmallect ralatise metion imonest the blitlionemt parts of a thuid hrime into. jlay motnal streans whirla are not normal to dat interfare latwern two motignoms
 the relative mostim, exi-time only on homer as the relation motion rxints. Thay are thas datly





 it las mos sisutioname in statio prondems. It is
 watera. the rabloniner of the wind. 1 the - landeminer in


 frimion.





 quantity of the whimal owern water. The e elliots-


 Howing in thal of that same kimh. In lika manner, the pililies formod in the walde of at colid bomy
 could bot he prolared if it wor mot for the exint.
 the fimal remult is a dis-ipation uf oneros (xpe Exemay): lat in the majority of (elses of practionl impertanoe the rate of dixabution is so slow-in nther words, the tamsential slresere atre al small in romparionn with throther eflective furces autinerthat the propertios of the perfect Hmil son far to Bobain many hydrokinetio jhenomena. Some of these wa hatll mow emsiler.

It has leen abreuly pointed out that the erpailibuman of a thin mber the actum of gravity or other fume dejeme mon the manner in which the preswne varie in the ditection of tha foree. Now a forer lats alwass a definite herettum: and monsequently in all dirpctions peppombindar to the direction of the rosiltant form actine at at point in the fluid there fon be mo variation of preshnre. Thns. from any onm point wo can pase to an intimity of memhlumbinguints at which the prossure is the same: from earli of these again to an intinity of nthers: amb som imbetinitely. We than arrive at the conception of at sufare in the thin, at every print of whieh the jueswor is the same. Nuch a
 me of itcesential propertips is that it is perpondicmar at every juint of it to the resultant fores there. In the ciase of fhids at rest muler the action of sravity these surfaces are thon called level smrfaces, and are for all brartical purpomes ensentially horizontal planes. A consideration of these prin. eiphe leadx fasily to tha condu-ion that aphilibrian in a fluill mass cannot exist if the presomres at two prints at the stme luvel dither, wr if the pressures are the same at two griants at miflerent levals. 'These two crmolitions are cosentially one and the -ame: and when they are fnltilled, thind motion most takn flace (we such artielos as A TMosplabla,
 familiar illu-trations of those princijloses).

Thes diseharge of ande thomorl oribers inchades a momber of very important phenomenta, some of whicla we thall diwerse in detail. The vescel ll Al; (lig. 1) is phosided at I), C. E, a with apertmes


1"嵒 1.



 will mond very heraty to the hambl M. If it wer"


smficer there lueing pxpond simply to the pressure of the atmo-plowe is mator the sathe proseme as
 place amb will comtinur to take place matil the surtome of the water $I I .1$ las smate the bevel of the water ifto 'The experiment shows that the jet is






 with sperde whene strates will las formel to tre very apmoximately poppotimat to the titleremers of

 los emstractime the miberes that the dizehare i : initially borizantal, amb than monsurine the
 aswming the law just !iven, commonly catled the thomem of Throberll, wo maty sow that the square of thas mara lik is armal to fome times the pronlant of the dithorences in leved of the aritice If bulow


 semarinele will ho half the horizontal ranges comer smanimis to the pespertive ardices.
'the lieifht af the fre water surface alove the witien from which the water is iswing is tachateally called the hemb. The erreater the heal the erveater is the pressure at the lewe of the wifiere, and tha






 that for stang edged oritioes in a wall the dischange is ilistinetly less than the simple theory womilat inulieates. İn sum eases ther serotion of than jat is mballe than the section of the aribers in the ratin
 ther comeremene of thr atrembets in the fland which altimately form tha jot : ame this anmernencerm



 of the jet: this sperid multiplind hey the mumber of





 tur wrifur with a shat menthpare of the fomm of the comtrintol vein, wo maty feramel thas smallant

 ther - ithle:




 $p$ is 1 lux den- ity of the wither, sus that per in the wought

 -



prossure $p$. lint if the water is in motion with a speal $r$ its merry fer hat-mas is on this accomat

 chomen level, cefined as the level of zero pontential enemy, then its phtential morgy is ar. The whole onergy fosessed ly the moving that is built up of these ther phats dine respetivaly lop pessme, sped, and wravitation, ind is aven tharefore by the
expresiom $f^{\prime}+\frac{1}{2} r^{2}+q r^{\prime}$. Sinw, in the case of a stealy frictionless thow abong a dotemmate clannel, tha whole energy possessed liy any mut-mass of the thal mast lu- the sume : fur at sume time or other
 at uther times hy other elements in the samm streamline, and passes thomorh them umber the same dynamir rombitions. Hence, norberting the etfects of friotion, we arrive at the combla-ion that the apression for enmory just given is eonstant atomg any given tream-line. Take, for example, a pije of miform lare. If the thow is stemty the invarialileness of the cross section rerinires the sleerl at wery pmint to he the same. Hence as diminishes $I^{\prime}$ must increase, so that $\left(\begin{array}{l}\left.l^{\prime}+g r\right) \text { may remain con- } \\ p\end{array}\right.$ stant. For a homizontal lijpe $x$ mast be constant, aml so of mensity is $\mu$. Nuw sulphose the thlee to the horizontal hat of variable sortion: then, since $e$ is constant, the expression $\binom{p^{\prime}+\frac{1}{p} r^{2}}{p}$ must atso he fonstant. lant the sped - varies inversely as the arition ; hence $p$ muxt latereatest where the lare is wilest amd least where the bare is matowest. In ather words, the eross-seretion and presware incrase therther and diminish tomether: A faniliar illus tration of this is shom in dig. o. in which water is escaping from a shont eylimbrabl mozato $A$. The

contacterd vein oeches at $x$, so that, the velocity bring wroter there than at the oben emt of the tula, the pressure is loss. lint the prosure at $A$ is ther atmaspherie pressume: :mm, comsemumatly, if in


 - $11 \mathrm{~m}^{2}$ it c .

When the affeets due to frietion are taken into
 insleful of remabinge rombtat ats wis base alomer at
 unifum piper this lose of entros will show itself in $\therefore$ Inore fabid falling awity in the pressure. Por




 the piperaganst the thom matil wo comm tod where the preanme falls a little blout of that due to the hesad of water in the vesele. This may lus shown


 In the construstion oif water works these and many
 fratical solation．In the mbotion and thow wi
 with themems similar th thon junt thentmed for lignids．The treatment，lowerar，is momandily



 motion of salids thmag Haids have their mosi
 the artildervinat and the shobmihtar．In the
 projectiles in air lias hom very folly workal ont． At very hish sutets the lowistame i－bery great intum！：and it may how shown that an ominary
 （say fo miles）fonlal never，momb the artion of

 thomest al limtind is ther fomation of edilios and vortion in is wake．＇The－e are the direet result of
 tions of the fand moving with ditionent suents．In

 suel transintations，taken the form of heat．

The hest Encrish treatioce on hyolrulymamice are Lambis





 ＂water，aml yr mim＂，＇t＂prombee＂）is an eloment． ary gis amd the lightest mbtance lowno．It is eolomrlas，mborbe－s，and mom－poisonoms，althombly as orminarily prepurd it fromoutle contains traces of dixagreathly sabliner of of poixinoms impurities．
 an extremely low tumpmature can he redneed to the lipuid state．lumalmation with raseren it forms one－ninth part be woisht of water，mand it is a most impmotant cminditurnt of the timues of animals amd plants．It puters inta the combori． tion of a latere mamber of mamfactured sulastances and produrts used in the atth，mailome，do．as， for instamere，stam，shatr，vincert，whtiaperela，
 dic．It in nost fomm larents in nature in the free or anemmbined statere bat it does vecur in some gaveors amonation from thas rath，ats in the sol－ fataras uf leoland amb in the potmemm regions of Pennsyrania．beiner the lingome was known，its dem－ity is uften atoplomet as the stambari of comb－ pieri－nim for the shonitios of uther pases．The density of atmonploric air combined with that of hytromen as moty is nemaly latio．As hyingoren posenses the Jowest atomic：worisht of all the ele monts，the atomie weight of lonhorest is almost noniversally andopted by entemaice is maty，and thone wi the：other elements roformen to it ；but at presint there is a drofideri momoment in favonr of

 than that of hedromen coun．






 whinh is，homerier，athiciently hot for hatet to



 lion takiner phere for an indedinito puriond if knpt in
 combination begine，and its progrose depende ubon tha bightume wif the light and the deration of ther
 canses emmbinations for tahe plater with explonine

 as a rule rombines with thome thinges witil whith
 which are amifugomes to thone of the metals．tom
 are eommom deobmpositim fordarts of decating veretable amd animial mattrrs：is．for instamere，
 which eontain lydrosen emonhomed with earbon， nitrusin，amd sulphar respetivels．
llymoren gas，under the nanie of combastihle
 los treatino motain motals with dilute aches，amd was more ne lexs known to boyle and others ；bat

 for lati，was the first to deceribe acenvately the



The ordintry methads for prebarime and pmify－ ing bydrogen will he tomnt in any dementuy treatise on ehemistis．semedses．

 lareer prometin of oxyen than water，the ofher eongumbul of thece elements．It was divenverel in 181s ly＇Themed．amd was hy him regampat as osidiseil water as it very readily focompures，when heatel，into uxyren and water．The sulstance， when frem fomm water as completely as possible， is a thich tramberme lienit，of pereito eravity 1．4．，withont enlour on smell，hot jossessing a bitter taster．It heables mony varetable eolomss， and when appliad to the tomene or skin produers a white eimst amd aives rise to comsideralile fain．Its Wotehmar artion amd most wi its chemical char－ acters lepund nom its poworfally oxidiaine por perties．It is emploged，in tlilaros solutim，for the ratoration of mil－paintinge，fors action mom these leing an widicins one．

Myorocreaplyy as a branch of physinal geo．
 it they ate avalable for mavigation．The ligetro．

 fiomsation of river－beds，liake－hasins，and the seat frittom aljucent to easts，anertains the position and ovent of shmals and rosdicant indamb，as well as of hemons ant lighthmoses，investigates tho naturs and velocity of rarents，the lonal tialal phememema，the dhamas takimer phate in rivere momblas and in harlomas，and the altomatims





 as（i）conver what in this worls is dealt with at

 whirl deals with the aphlioflion of liynits in

 the where hame，lyedraties is sommelimes mate to





Wydrometer, an intrmment which imblater. has the depth to whirh it sink in at liguin in which it hoats, the smalic whity or surilic ghaty of





 indabin the bank of looth freds and valt water, and swine whe with the help of partially woblen hime
 common rat. Cone-fures has the bully whita, the other yallow.
 thangerfuss. meath the use of water in the theat mate of divathe, of in the prevertion of the

 of wher treathent that it with lie hase hate in that semee ahow: while hutrothoron, will refer to the lean retricted and more atentife naw of water an
 exprome to the amonary of the pationore or

 agent, and its bithes are extoliad by may or the







 tor haw in arpery. liy mont of thene mon water
 atall chady ats accold dimk in foram: and it wan
 and whets diopatime hatly aband the formery of
 a Liserpend physician, hather the ardit of intro.









 his wathont fat and wid, manther with mand
























the howal of errtain and humour which hat to be
 the ematue of the premberd an emption which mathen the abis. ; hat :o it is known that water aphliad comthmonsly will proture such an remption fol went the hathanst win, and as all the hown fictu bi patholow ate opposed to his shotrines. we are dillead to meget his thermes wen white his




 suretath rejected or adoptent: $\sim$ it mast mot be

 Hhe mant miontilia paritim to take ap is Hat in which water in med as a remedial agent in event
 ond wrines its use, on rading its result. in the



 the tom might lo impored, as hat in many anes
 the whele. Thematheragenties and Thermo-
 tifically compert. Watm ham niten heen almod, like crery other and thing in thin world: even ant ice-
 Mrinking water (hat weredaly abog with


Water mas he emphyed me in inally both inter. nadly and extemally in its three foms-ablin, figuid, and samqus. For the evtemal uses, see 1; Tra: for is internal ne with dras- in solution,



 it-ahantanons une. 'lomberge a pantily impairs

 dinioults is 10 las down detimite mien for the




 a"。
Sa anderal mule it is hetter todrinh water almut

 What mant rapurad. biven whe with a wata
 himk e litthe hot water with fond, as the momath




 af the wat material. which mas hatw aceman-





 int matly or whernalls is sem and fal in chanding


 atwat the manth, thrat, ar lunes, and oforn in


 Bontanl. lificern in matlamb, amb only one in

Prolami. Wose of theor oriwinally stated with at fill equipment for treatment, inchatine a wesident phavian, bath attembants, amd a comphote at of hatha: him man of the estalifhmonts now are
 a faw. howerer, the hydropathint aun still thal all
 momit. Jmmet the leet known of the chit

 Sombort in fingland Chan libl mear forres.

 Amoner the maruiticent modern ectahlishments we mave name those at Bath, bumemomath, limxton, Hameate, Clmotan. Wialemmer, The latl at


 Forient,
 Sme ley (1-9.9) Bram (Ens. trans. 1s70), and in
 with other works cited in the thirty pages of bibliograthe anperdoit to br Winternitz's article on. 1Hytrotherpeutios" in lon Ziemson's Acudhowh of bicheral


## Mydrophis. Sn sex-wate.

Mydrophobia (Gir. byfor. 'water, and phebos, (foar") is a -ymptom of a dixean kown as liahies. which may weur in man and in varimes animals: but the woral hationdubiai is also frequently uved to denote the divare isoli. It las long been known that rabice i- commmiated from one anmal to another if the saliva of the one is introdated into the oreanim at the serond; whether it be the rave that the liot hat hat the secoml, on has oulv lickef it on an open sore. The saliva of a rahion animal prohor no ingurions efier if hought in rontart with the monoken $x$ kin of an aminal, or evon with a macom onface. prowided it to mot exworiated. 'Thedog is the mimal mont frementy affored by rahis.

When a raliol dor litpe anothre animal the later show mo immoliate - motoms of diseave. The wome dansed by the teath of the dow le have like an ordindy womd and lwomos ricatrixod in the sume manior. . Witer the lape of a certain period. whill may vary from nime or tell dise to sonal month (case are know where the time
 montha, but is armerally fimm fom to six weelio, the anima! wat was hiten axhint operal amp

 the: furtom of inculatiom. When the afferted animal i* a man, tha firet -ymutom i- manally a chanze of watator: he herome melameloly and di-vo-tul. Novt, generally at the haming of




 "pions of the pharens. Whan thin symptom aperar the doath of the suffere is at hathe ant
 the enterval hotwen the apparather of the hadwo. 1t biv sumpemm and luath the pationt has

 - in the lower limhe.



 lia de: whe athected hy rabies are vory mamemo,
and comprise ahmot abl the mammatio-mon, doss,


The greetion uif the atwher af rathon has re-

 lastme in isob set himelf to sudy hiv malaly. Ili lalwats ju-tity the follon ine nation-nts.
 one amimal to another he the innolation into the
 aflected :mamal in which the vime durlls. This

 of mionseppic apmatiac, him its rextence can nevertherso mot be denied. This-atoment, takn in comatiom with the resnlts of X. linteme's

 a-artions of thoe who pretani to hate alwerved rahipe in amimats which have never come into contact with rahil amimals. Such aseortions are ahars bavd on inomplete observations. It ralioe combld arine spmamenn-ly in duse how can we axplain the fart hat vat remions like . Davalal may be wholly expmpt from this seomerg in pite of the great nmmer of doge there? The mam is that in these combtries they mont eneredically prent the intrenhetion of any doge that wan herepected of ralies. If there were comstithomsule which ratios might spontanemoly appear in hase, then in terri-tarie- on vat a the Awtralian rolnow the con-dition- womblatainly be realiwal from time to time. But them in no rabie- in turmalia.
II. Pa-teur has-stutied the distribution of the vims in the imdividuals affered. Hw has wherved that the vime was fomd in the newom eystem and in the saliva, lint not in the bookl, the limph, de. Heace, if we inocolate abonlar amimal with the home of a mahid beat, the live will remain wholy free of any rahid infectom. Similaty, rahid
 of an animal will mot produce mathos. linn there is a shre mana of commonicating rahies from one animal to another-viz. ley the intruluction umber the dura mater, on the surface of the hatin, of a lipuit which has lirat beren sterilised and in whin thereafter there ha- beed somedel a portion of the remtral neprons Grem of the rahin animal. By thin orration one is aloolntely cortain to crmmminate rabin umbes the animal is reftactory to rabis and emmot take the diamae. In the comse of his smbion M.
 Wheh had lwou inochlated hempall tha skin with
 not tak rabis. hat lwame ingatho of laking it-i.e. they micht wish impmity he inowated on the surfine of the brain with rahic sims. This कhas ration was the origin of the dixemery of prowntive inmoulation - of innolation which

The primpide ai unh inewolation in as follows: The -pinal rand of a mahit which has died of manes. when ievtracted from the henly of the erpathere and proweral in dry air at a combant tomprathe of
 vimanore. With a -pmal cood which hat Wene wo


 immmity from thr diveree- the inwonation of an animal with a suthicient quantity ai it will rombor it
 wherpad that the frabert pinal matrows that in
 confar immonty from infertion. Ton rember an animal refratury winfertion the thatment ant
 hay- ohl, then with that of thintern days, atm so
on till spimal matter there daysold is reachent, two
 ody. The liat may be introlusel into the suljert
 reftimetary.

What sives this dienorery an momoms balae is that hawe provembe incenations made on an
 hat leen hitton purent maie from declarins itwolf. This is expleable on the followine grombs:
 licial wombl there it mets with little neryefilamento in which it is further cultisated. and ha mean of whill it abomls, momedat shats. to the nemonse centres. These morerentres are the fuichor athedet the metrer to them the hite has heren inthetal: homee hiten ath the hat prodne rabine after a shorter perini of ineubation than hite on the extmatios of the londy. If there in
 the premotive insulations before the neme centre are aftacted the riction is sabed: the nerverentro once atherton and dectroxad, it is evident that no power of man can hing ahont a ane.

What ourht to be the when amy one is litten by a mat diys is this. 'The wamd made lay the
 anil incply tom, so that if powible the vime may be destrosed hefore it has hosm the entavate itmed in the nervome sytom. Then, if it is certain that the animal which intlieted the lite is mad, or if

 'Anti-valige lastitite.' It is abrions that his safety depmis on the quibhere with which this is done. It is also absions that hites on the heal are more sorims than hites on the limh, inammeth as there is a shorter dintance to the travesed we the nerve-centres are rached.

Haw can one mak sure that the biting dog is mad: If posibite the dors shombl he kept mater observation without being killed: for it is mach easia to remgive ralies in a living animad than by the eationt pest-mortem examination. The animal will change its chameter, will often teane to eat, will bite perythins within its reach ame will sometime show signe of paralsis, its hime. guatere and its lower jaw beine first ittacked. In such caves the animal will ine italdy die in from there to foler days, or at most in cisht dass. A post-morten examination will show the stomath empty of fomb, and emtaining on 1 on contrary foreion sulstinces such as hits of wom, shater, straw, | 0 |
| :---: | . The mont certilin way of diseovering if a dor was really mad is to intondace by way of inombation a portion of ite medulta under the ihura mater of a rathit. The rabit will inevitally be. come raliol if the dor was rabind, lom thio will mot take phane till after liftem or cighteen dass: so that it would be impredent for at pow who late bem hither to awat the remit of the experiment before hamang to anderge prevention inuenlation.

stathic of the propertion of deathe hey hatraphabia hat meser luen promery hopt aj as the time of 31 . lantenrs wark in this department. Fow dortors actually knew has temilhe malidy:

 pilohial This ligun is pmotably doo low. The

 fallan when than lement.







Watigatoms has not set been momometatod. In
 that hoth the pravier and the theng of haie

 ation tu be empinally jumilien, are dimatintan with the watrant for the amtitalia How lanat.
 The twa methots, and riticion the phatiphe "in whinh Pastar worho (ial is for hap warmat



 luen dute to prominary equteringe ami to bators aport from the antirathir inowhtions and for
 in drawing inferenere from statiotion the womers
 chition is that wheh dmphames what in often the of prosmive medical inset gathon-namely, that there have been ailures in Batmas hait.
 fromedly futile, that there have lown shibing chames of methent and an on. (a) Mhre serimes is the allegration that mane dathe hase wemmed as she realt of the buenlations rather than of the infection fom the ratial amal. Of shly mot

 the Engli-l: luvertigation Committer (1s-), while !if Amand lather, who spak with mad inthority, denie (lma) with all deliberatenes that thare

 treatment. (b) The antivivimotimisus have
 procedue vatious com-darations whatherit arefind discusion, thond withont aperial latime on the present perblem. (7) Ko, tom, the thammming anti-sambationists are of comme abung The critice of l':etenr, hat their aramanote ram hast be dealt with in comection with mactin inacolation. alsut which we how at leat a little more than we do in regarl to thantimbic fombire
 In said on lath siles, thowe whe are wiling ole leve the mollem to the experts will helieve mantime that sir dames Paget, T Lamber fommon, tionge Flomine, Sir doseph Lister. Richad gham, Sir

 which thes presented to pralianm in wa: It


 infertinn trom smallpox.
 Lombon to enalile poor lingli-h sutberera to he tahen th the Institude: lint like arery mher menomition



 in New limk.











 I'. 13 - U. .h.

made to matheathons of the Anti. Vivisectinn societies




 Ans, [haduchlla, lwei].




 laty hathmat -

Hydronalitics treats of the eumililnium of


 of that many fursiod propertien of liquids. Thene

 shapen - ob that ii a distorting forre aters on it it



 - 0 homer as thror is a force actug on it which is mot



 perpuondionlan the the surface on which they ate ; and a!milionmm remuines equality of presoure in all dirertion- at amy juint.

The furdaramitid property may be thus stated Whon it jremare is exeren on any part of the fmmmary uf a ligmin at rent, that pres-me is transwittod maliminished to all parte of the man and in all ilinections. Most of the other
 form- or threet consentencen of this trath, which may be frowed waperimentally. sumpone a clowe bax If to be filler with water, and to have insertan into tha nulur cover a tulve of with domery fitting blug or pioton, 1 remare inch in area. If the liston of in now presed
duwn mpon we water


Fion 1. with a fore equal to a fonnl weight, the water. heiner mathle to eveape, will react umo the pi-tom with the same forme: bat it obvinnaly will not preas more
 any onther part of the hax, therefore every spmare inds of the interion surfare of the box in puenal ant wabl with the
 insertenl in an? part of the box with a phat of the















 matke the frownire on or one lont, that me will


 Than what taken plate in the leserr, w lien onn promel
 the short ilm.
 "abiae fiom a jomble of water frumed intor the tulne atose it. it will fontinare the simm thoush the piston her womsand. The ponnd of water in the tube is then presalng with its whole weight on every stomare inely of the inner mirfier of the bos-downwards, silewise, and mpwards. The ap.fratates called the hendonstertibollows acts on this principle (sue fig. 2). It consints of twor -tollt circular hoards connected towether hy leather in the manner of a bellows, Th. The tulne 1 is commected with the interiar: amb a person stand-


Fig. . 2. in! on the marer lasard, and furing water into the tuhe may lift himenli np. lit the area of the upler boand is low time that of ilye tuhn, an oumce of water in the thbe will -npfort 10100 onnces at IV . It is on the same principle

(1) Ervildurium of Liquids.- After this explanation of the fumbanental properties of liguile it mat le enomghtostate the two comitions of thad enhilibrinm which directly How fom it. (1) Every particle of the liguid mant le onlicited he equal sund contrary pressures in every lireetion: otherwise there would be a tembersey to notion, and therefore motion becanse of the liquid praperty of umbility (2) The upper particles at the free liguial surfiae mant form a surface promenticular to the impresed force. The truth of this is experinumtally demonstrated ly the homizontility of the surtace of a lipuid at rest under gravity. It can he shown to be a consembunce of the brimary boperty of preain: eifually in all rivections, for lo't th and at he vertieal lines. ar lines in the direction of ?avity ; and ab, a pane at risht insles to that direction. of horizontal. A particle of the lipuid at "in pressed ley the enlumm oi particles aloove it from " to ${ }^{\prime}$ : and the like is the cane at $b$. Now, since the liquid is at rest, there pressures nomet he equal ; for if the prewire at $b$, for
 instance were wrinter than at $\quad$. flere wond le a lhan of the water from $a$ towarrls $b$. It follows that the lime al is ential to tar, and hemee thit de is parallel to wh, ame therefore homismata. The rame miflat he proved of any two forint- in the - Hifane ; therefore the whole is















to the weight of the divhlawh hiquid-i.e. to the weigh of tur arpal link of lipuit. Thus, if :t entice font of the liquitl weighs ther same is at cublir. fome of the shla, the shiod will :1plewe to hate lont all it-weight, atml will remain in the liquid wherever it i- fat: if a colige font of the biquil weigh- lo. than at abie font of the sultit, the colid will sugnat to lowe part of it- welyt. and will sink: lant if a rubic tont of the lignit weighs nome than a collin forn of the solid. the immersen solid will mat ouly lone all fis weigh. hat will aplear to loe imminated loy at orgetion weight, heing uged npwath the thene of the liynin by a force equal to the dithomace of the weights of the dis. phacen ligmin and the andi. In thio hat cave the onlif will rive matil it a wime or thate on the sufface of the higuid, the amment of athil immersed in this final state of equibibimm heing hetemmed by the binions minciple


Is. 4. that is thatime hols mast lee homyed up hy a fore eqnal to its Awn weight. Here arain, then, he sulif seems to lame all its wioht. which lom mut be imply the weingt of the di-phacel water. Thus in lig. 4 , where $A B$ repmesents a hoatine salid, the water diandaced by the immerad part E in enmal in weight in the whole mulis.
As the hogancy of a buly thas dopents on the relation between it weisht and the weight of an equal bulk of the lingili, the sime hody will he more on les- lomsatat. acmaling to the ilenity of the liguid in which it is immorsed. A pisce of wool that simke a foot in water may sink harely an inch in intones. Bercury buns in even lead. Alon a boly which wombl smbof itate is hused up be attaching to it a lighter lonly: the loble is
 the weight. This is the prindple of life-presemers of all kimm. The heavient mhatances may be male to lhat hy shaping them sh an to make them dioplace io ohnine of witer stater than the bulk of their own sulid sulatance immersed. A that phate of iom simb: the stane plate, mate concave like a cap or hont. Ihats. It may be nomed that the buryant pronoty of limuils i- indepentent of their depth ur expane, if there be mly emmath to sarromal the abjew. I fow pounts of water might
 dhate an high in a simath dork it ill the owem.
(t) Stalulity of Fontiong Botios.-Cimerive abat
(lig. i) th be a pention of a liguin turnes soliol,

lmi muhamed in lalk: it will poldonty reman








 of the salue size atul -hape we sulpure alotitutiol
for the mass of solill water ald. the smpent her
 he the ratme ; hence we condmhe that whell at it a is immerad in a lifuicl the limyant prosum in a
 and acting in the vertial line thamgh the comb of Lravity of the equce from whide the lituin in dis. Phacel. This pobiat may be cathed the etntic of bити!"! !
 las the mimesed part of a llatimg lunls on in
3). The smproting force, w, is sith the same it in the furmer rate. amblath throsh $c$, the centre of gravity of ha nifnacel water: the weipho of the lunls must alsu lee the sinne: bat it puint if application in sum $\epsilon^{\prime}$, the whte of and oi the whole lunly. When the buly is floating at reat on in at sate of eqniti. laima, this pront mus embenty he in
 the same vertacal line with $r$ : for it the two forces were in the position of is, ras (lin. (i), they womld tend to make the lanly whe wer. The lime paring thomg the centre of graby of a fluating ludy anm the eentre of waraty of the dis. plared wator is ratled the acis of flotuthom.

A floatime luyly is said to he in shite cmilihrimm when, wh sultering a shimh di-phat wow, it tende to resain its wisinal position. The combitimns of statility will be muteratom form the


 Hanity 13 in centre of hamany, and Nill the axim of flotation, whicli in of combon wimat. In
 drawn thehtly from the perpmbinaliu. Tha shate of the inmerod portion hang nas allemi. an

 evilent, that if the line of disectime of the ip and
 axis athan the centre of gatsits, ato all it the thatery of the two fore in to hime the asi for


 turther aut further fum ine wernal. nutil be houly



 Fomaths in any grestion in whith it it pat a the





 its funition may ler raldalatal for a hads of :1 a 11
 bather of shipe it is an mbert to have the rey the

 hoary matheriak. in the shape of hathat, am phat
in the lanthom, and the harien furtion of then
 (ifividy
My dronhlpharid leid. Sin staplat
















 a) tix... simple (it rolomial, anel Hane varistiomsin halit. alonse with the evi-tene uf !wokinh-of ambl. juat reforion 10 . ramter their ran
 bux that it will lige mivantaceman to deveribe midefy
 foms lefore give ing the sotematic :rtingement of the promb.

It the (:ance un Sulit the was 1 mo Alumet ly that jellyfira levelope hixi into an wate oili-


 it al. (A) ar Alman
 reprated.

In eretain manes the Monlusa or sexalal perim,




 has tha form of a alosed sat owine fo the adho-ion
 phome of l!lman), or (2) it may be wemety at hat contaming cexal groducts ("qum-an").
 of onm const, may he selected as an camphe of at


 long pinted preeses with fonged maryins, and Trom the - hmach and from it- four simpolar (x) pandion there proced eight matranchad ounde, and eight whind lifurate several times, mat an mited hy a mavinal ringeanal. Four ring or mor.
 hase of the stomaelt, hat hang down om the lase er

 hanchet canal- i- a a chetlod maminal compurn,



 ments of the animal: there is no elosed mere rins.
 of shont tentandes. The exsenvers rise to a mibated blamba, whith, after swimmins fredy for some
 (scyphistumat which has at lime fome, then cisht,


Fig. -. - Aurelia aurita (reflued).
and then many tentacho. Fome intemal septa, veching from the lase to the margin of the monlt, disine the eavity of the polsp into a ecentral pate and four hateral reemses. tsablly the polyp
 which produre as serim of Medusir. Whieh are sat frow after the temamo of the polyp have beon






 deorepument in tha frem -tate.

Ther Ilsumatar are wielely diatilinted. and all




 bro henizem of heep water (Protis, Nuphemta, Whamalial. They are camiveronc, and reme arr
 fow are fomat e.r. the patameic frapolitina and
 Jumate perime sum sume from the thalk．Fhoma








 all marmo．



 f．弓ina．

 Ly


































 Charylnla．







In aldition to text－hooks of Zulnsy in genemal，the following works may be comsulted liurbes，Mounto，if









 meimere（18vis）and wher fiajers．

BIybers．：town of l＇momere in the livemb lepabmant of Vir，on a montlern hitlotopo．








 worls，hmbevanls，Ne．Namillon was it Hative．

the wombed fle illlbive or dior（ame．Sterehomios）． Here the latat of the chanta is tempered lag the



Hyetomranply，see lisis．

 was wornipged at dhems，Corinth，droms，and other impuntant dities，and in works of att is
 stumbl of heath，which drinks from acmp lich in lier lanal．

Eysiene is the name wiven to that ilepartment of inguiry whieh deals with tha vatues and prevention of divease in thrir relatime tor the preservation of health．As tham debimel，leysieme， while it is fammed on mediad experionere，and while it is alvanced by modiad researeh，stames ont chear amd detined from the orlinary fom of the seinene ami art of medioine which deal with the come of disease．＇The aim of hymitne is to prevent
 intace a dopatame from the momal type of healily life．In this renme it has woll been mamed l＇e－
 work of the pharibian ly is embenome to remme the catases mat which the dine：ase that atlext man－
 two chief phases．The tima botion of leramol Herfieme belates to the imlisimad as at nuit and to his dutio in the maintemsmee of health，and in diverse prevention，＇The secomad sedion deals with l＇ahlie Bralth，and concerms the relations which exist botwern matan＇o of men amil the ecomelitims of
 such subperts as foul，rlothing，hathis，berodity， and the like，whieh rediate to the permath history

 inventigate the laws moldr which dinean is liable
 life．The departmients of harieme whinl deal with dramand ，bealing lomses，the remonal of waste， and the grevention of infertions dinerace illa－tate the shlijerets with whiel the pmblie sanitation or

 of liy⿱丷天心． and an limited as the fomm of their olefitition mínht sean to imply．lour phblir labilh，as may
 endeavoms of individuals．it is the indivinlual
 precede，but which alan fonms the fommation uf phllia－santation．



 lative adoane Jeng far hark in the lavtary






 ins，with the f－ulation of the sick，and with thas


 patid her their formathor to prastions of samitation




that bis dan minht lie lons in the fomb, and that


 Trom diantor is semper and long ity enombiged. Sor that eandy emoneh in the phates of hmman devenpmont and cisilisation anitary arionce becen

 max aker he groted ato at mation given to make
 the in their eane the culture of at high mandat of physigne pookaly indmed mont, if mat all, the mints to whela this ancent pople fail attention.
 and attamed this ideal mbmbetly thromph the pratime of mach that partow of the paracter of
 havener, the freck was not a santarian in the trus some of the torm. He wat visited hy
 signs of di-phanare on the part oi his deities. The mate mo athempto dientor the samses of these
 tiphe of old wa ther fome more a thing of chance then of robentitic mathe; and of anciont lome the same olmion maty he exprosed. (ireat pulde workw athl mot notaly thase comerted with wateronphy rut dranace, were certanly natertaken and maried ont on a seale of manis.cence: ami un far thrse measmes must have aded in the manamane of the poldic health: lant plaques were frophent and low of life excmave as in
 tader mandatad that 1 erm the clanie nations
 findi wat ot mw in ion intany: and for this
 disease-the health of :one arecents wia itargely a matter of elance.

The mond of progten in health science nammally follons the coume fold trak of ondinary histors, and in this remect fums a mont interesting comment whe the rial adrance of the people. The mindle asm with ourselves, for example, Jeheli fermal health neglected and public health unkmon. Cleanline wah emspicume by it: absence: the 'sometity of dirt' was rexpected by priest and ampla alike: the hames wern hait closely the ther; their domentionphinam were of the indent deceription: amd dratilue was manexistent. The conditions of ordinary caistence were those of rapine and war, and under such circmotanes it is not womernl that the seience which levotes itself ta savins lifo shond scareely have made its inthemee felt at all. The clearest profs of the utter noolect of santation were to be fomm in the fevers and platus with the reconds of whome frightiml mortality the story of the
 study af tin history of the "pifithite of tha midile
 than bitesen "pidmacs athe many baminos were






 at lang it was extimatod somb 2.8 millims af


 the banma of our oun land lif the fittly and

 usually diel within twenty for homa. It atiokind
 and :1puar to hiose bean more fatal in the

 Dind, atud has since that date luren extimet. I century or so later (in lebits) came the (ivat fine of Lombon, a catantrophe which was hen an mumixil evil, since it eleamel away the ohd Lamon with its fond and clow homses, and indued the eremton of a new and more sumarily holl rity. The mat fire apmarenty ave the reing de ghace to the bimat ['apur, which pion to 1606 hath swopt from time to time acros the enimoty, lout dinappeared in that Fatr, happely to return mane. 'lle ceration of the epidemic phagues thas emonemad was doubtlens ane to the abolition or monlifation of the combitions under which they hand perinusly flomished. Lese crowding logether of perple anit of their dwellings, a freer atmoshure, and at arater measure of clembiness donhtions antorl then as now in abolinhins epidemies ; but wen in the isth
 arge, and other discanes eontinume to he maly tor well repremoted as leqacis of the fonomint ami careless living which characterised the preceling ma.
It : S , howner, in the 18 th rentury that hagiene bend to appear on the social horizon with shmet' H is of elear ontline and delined aims, ats a ustinct lameh of mence, purnins a bery practical belation to the lives of mem. The blate wath and other phane hat then disalpeared as whave moted, ant thus the chances of promonged life had hecome materially inerased in Britain and in uther European chantries ats woll. The sanitars historian of thi 1 sth century has to take acomit of at leant thae serat mames as ham of form.
 lf, wail (If.), the philanimpint, larady I:act Lis wark of jail refom on impmoment in the termble state of thee frams of datemtion. Whey
 degree, and, as a masemence of then montitims, typhas fover (which is a dionace of over(rowding) reigned rampant under the mame of "jail mer.' LIoward hy his undounted edmats oneceeder in clearing the jails of this pest : and tomay our chiminals reap the froit of llowatis phitmthropy in the fact that the jail now ranks in reality as the healthient of dwellimg plicees. It is mo exargeration to say that if our homes eond be IMmand sanitary to the sime extent as :ln the j ails of our lant, the deathrate would le weredily redneed to a miniman compared with its preant amomit. Chatain Cork, the navisator, stambe out as the secomy of the samitars pionows of list century. Ite it was who lirst shownd that semes, which is exatially athood dimather and from 'wheh whole ships' 'arws meal to ramen protrate in long watres, was due to imporer feoding. In one of hís susages inson las dat
 vare vogage hot moly fomm hathlo ont of 118 , and not wine of thas fom deathe was dhe to the arman's jest. He showed that in the almene of

 taptain Comas dimovery is duly adod mun

 parallol in impartane to the parmotion of
 monesmes amid the deating buentation of which


The thial diemsery of impromate in santation



eiple in phestion has atopired in omr own days. Thin feathre mas be called that af the mentifiontion
 livtory of eastern nations. if we are tucembit Himhu




 prisime severity, [Jree smal]mex matter, taken from the pustutus of at peran sutferine from that ailmant, was intoulated into the bulies of heathy
 at mild ettack of the diserase and the attark was frand tor prewn a funtare invanion of smallows.
 of amallaw - imded, ate can hersen, it facomsel its -prad-lut it mombedly tomed to montify that loathame alment, and to prevent the draded scous and deformities whinh resulten from the


 of cow-pas was bed to 'raminate' he hmatn heing, the remolt legne that a mild attach of enw-
 this was fommi, amb still ic fomm, in the vast

 here: reference may he mate to the article on
 vaccimation begen to be mate the subpere of lemal
 Yitcomation was porided for the pan ly law, smathme has derreased looth as ragals frequency and sererity. In istit varcination was male comi puleory for infonts, and at the present time even if it has mot eflected a mivisal eacalpe fomm smallux attick, we may compratatate omseloco unen a tremombons sating of hite from this disease by its aid.


 the apretel of eltuettion, and of at comsempent intel limant interent in health ariance ammer the jwople, his tembed powerfally to awaken national bmbea-




 Each town or diatriet in panded with it- maidical oflicer of health, and with its sumitary incuretors, whone dution romprapme the sthitition of
 are am other satmater dotaik. Theday it may
 statl of health "xpros in every large town, athl.


 rales. Ghe of the thos impertant chactments, for
 towns maker fommalsory the motifation for the
 fall- mader the mition the homelnhler or madical attembant or luoti. In this wis it is mondat ta limit the apreal of thene infertions athents whin

 of athe cates of then dianate, can take prompt mestares for their joblation and their remowal, if
 typhas fover, or of sendel fover may radils hereme, ley nowlect, the parme of thomsands of
 contemplate: wheras ly pompt indation of the
find care or cans minery pain, lows of momey, and chamen of death inaty beamed to thomsamds. The reaports, the are mow marowly wateleed ley the health altars of thene perts. and shapicious case of ilhese on verots atrine in harbmer are at anere lealt with. Chebera, it mas lue mentimed, which has fon molderied an the eme thent of Euron on weral mranion within late yots, has thas ben warded off from the bitish
 antherition at ther parts.

Within the - phate of the home health wemene has made of hate years satisfactors preress. The minciple uf sate and sanitary dranate, whereby a


 hamining to he everwhere protinal. Mambers

 Lomdon. athe to arpuire thereh extilic:an of rexistration showing their knowlede of the pinaphes on whelh honse-dramage shonth he fomstructel. 'The wile "eramplus wonk in the matter
 fraught will damer to the immates of hemose it is to lice hoped will le etfertmally hatishod from mur midat. Here, andawhere, in santary sciathe, the


 of his homs in the thans of izmatit meditecto or almally iommat fhmbers. His interest in lix heattlo allaims ami his demand for smond samitary
 sumply is furtheming in the shatpe of the inemporit attontion maw being pait to the anstraction of chasets, bathe, hatims, bavanios, de. and th the entionent protetion of the hernse from the invores
 of mur homes is rereiving the care it drombers.
 shatiod andw, and the waming of hanms is mo
 rampes in its "stent from guetions of formis and drimke to hhese of cleanliness and rlothen, is mot

 is an the whole of the most hoprefol himh. Haplily the people at latere are leaming at lenala to furedie and to ant on the grate trath that maly thair promal erluation in lasempe and lay ther
 sernur the fensth of days whill of old it was


Axa linal puint Jenering of mation in relation to the argmernent of hyomir kow ledter we may refor the thent of knindenderarding the exact
 which referone has alreshly hern math. Thesp

 herpingerome diphtheria, seater fower, and like
 larese amomet of onf ammal mortality is at ablata





 10 the diverase in question. Eath werm in derived

 to sab, if we som smally we we rap shallow, amb

 of disease hats thus come to asshme a paramomit





 germ of relaping ferer is alon kmona, amb hat of





 of the


 is thereme at functut weaful in the hatai- of the











 itali. How far it may he exambed topmone man
 the futhre alone can toll. Whanwhic. it in in tercoting to reflect mon the fort that the $i$ at loont a jowilility of the atodition of many of the

 frammion of a hith stemitarl of pissinal develaps-



lo may he athend that the an-o and atwane af
 a-iand he varim Hoald, Exhbition Tpeld in




 riths, and Ambinit with the arime phan of palatio


 erimitio in-traction in hysinn, and the Sinitary
 Kiowh. i- in it way a monlel of whatt anels ant





























 1-1:








 ing as the ait i- mane on low hatiot. Wia mate th mona inntas: a cimilar instrument was the

 they alfow no acemate imthations. Tha bunt



 and sapan of othor, the air has bur batal expelayl. The hollo $b$ is comend with mon-lin. amt "f is - ather hlackenal or matiol with metal. The wha. verishand is plated for a Shat time on bo tor drine the "ther into ". leaving 1) and the the filled witi vapum of "ther. 1 littl.
 : Ilatak, ui the fumbr. an The whatin-w wered binto: "salumation intantly take phate amb brabuer



 prowno is rejuated till the thmperature of of in
 Tros) that dew lastins to be formed om tho omtide

 ately moted, he ame riving the dew pent tumpert thre, and the wher the temprathon of the air. The antal quantity of mai-fome comainen in a
 followingermprical formatar: weight of manture in Hin\%
 the air at the time of wharations athe $p$ fomm



 thatmonetor to come to the same tamprather and













maslin, wheh is kept wet ley a cottom whediphing into watw. 'llew wapration tron the mulin, and con-
 rather of the 1 wo thermometers in serent whan the air in hent, amb zoro when it in completely
 baken, the dathe fore of valemer the dew point

the firat fommata to the nex when the wet themo. moler is abme, and the seemel when it is below
 the elantic fone of valume at the dew paint, which han low dotermined ion didierent temperatures by
 the elatio hore at the temperature uf exapmation (or watug of wet hath) : ${ }^{\text {a }}$, the differene between the dry and wet bulb: : and $h$, the lutitht of the barometer. Jrom this the pmantity of monsure in
 di-pense with thane trablasome rabulatims the
 "secph in very dres siater of the atmopilares, such
 climates, when br Apoln's formmatant he ined.

Myorosconde is a mane somethess given to an instrument furimbicating the promence of motione in the atmof, hore, withont mearming its ammont. Hygronghe shbmaces are those which imbine miniture and hetome coated with a momet blat.

## 


Dymentor Hymexits in Greak Myhology, the god of buatiage: lont aimally the wod acems tor have bemod only the bindal-amg, which was -rmathe the rompmions ui the bale as she went trom her father" home to that of the binherom. The gom tlymen in timt montand by suppho. The buphs 'conceming his binth and desent ate varion: lan he is ginprally wail (o la a sem of Apollorand sme one of the Ma-s die is repe stinted as a yound with wingo, a himer and graver




 hamiat, in which the ahboma of the femate beats a boring oxipsitur. 'The menth prote atre


 ahout : iln seromit jair is always maller than the


 animah. Their chatacteristice will be-t he grathomb


 max (eillow Trelos Vomi, sithated to the sentheat
 homery and ite hainh mathe. The haney is still in "риі".

 hanw what is huma i-? It is inging with ilu.

 Gim, your biter ho hyma, "If yon prater any thing


 exinting at the time lase worls wole witton
(r. 41.5) were mamy of the chamant thas delimed. With the spreal of chaistianity, hemener.
 and boader manins to the laym. The expanion





 time t" time into pallie use in divine wordip. The lamsang and dialdet- ropermed themin ambler more than two hambral.

1. Xien Tostament Hynns. -Tha binls histery of Chnmanity is in our Sacenl Bmhe: and to

 anthem (ath boxathiy), : the the Num binittis.

 read of hymo heins song: hat of their stracture and contonts we have ne example. On thring
 wa hase some indications of the natme of the hymms which were then sume. l'ratment-of what, to every alpamence, were familiar hyma in the early charch are fomm therein, somu af which are known as the 'faithful savings of Holy Writ.
 Eph. v. 1t: If we die with llim, weshall alon live with Him, \&e., 豆Tim. ii. 11, 12: • Manifen in the

 dames, i. 17. The mome which st Johan hard in visim, althomg trie lymex, camot be chaned as ealy Chritian hyms.

If. Grots-(1) ha freek, the mother then of Christanty, it is natural for ns, whon we have clomed the Siacred Reword, to seach for the turliont
 we have ia fow unly, vome of which wat witten in the clasical metres, and whom which are 'more miental in rharacter, and have an allinity to the Helnew modes.'
Of the former the best-known instime is that of (llement of Neammin (died $20 \% \%$ otrambated liy In Dexter as "xhephert of tender youth." Wthomgh Clement's authorship is not leymit doubt. yet it is crsentially a hym of his dias, am is absumtely comtined, in its sulyeet-natter, to the facidmes and doctrmes 1.a Holy Writ. The hyme amplynis of teregery of








 ant in a trandated form in A. W. Thathedros smos und
 Amother writur in the clanical moltes wats fyesins
 in the philosoply of his ownam of wher diys. His ten hymis ara also printed in the Authenemin remeno subd


 momern hymals. Phomgh of great ybit, owhty, and
 tha harderland of christianity and Nenflathomen, and uft in it is tha Platemic rather than the spumilly chistrum



 of these hams in the elasional meanmes mone wede
 in the services of the Finstes: 1 hareh.
(2) The bink of commetion hetween the Jewish
and the charian hymumy is fomm mot waly in the wow whith wan mindo from the wery tiret of the
 the endoption of ther anchont. Mathelujah amb

 tive dreok hymmas as listime from hymm of the New Te-tament on the one haml, ami the sacmed
 derived from If ly seripture.

 Hewen amd earth are fuil uif lle ghry, Ellevel art Than for ever. Amen.' The er rm of the 'iformen Excelas is the Anglic sme at Rephlehm. The direck
 seems on late had its arigin in thr Lords commisinn. 'Go ye therefore. . . Daftisin' them in the name of the Father, and of the som, whe of the Holy (host.'




 Worlily cares, that we may receive the King of Ghmy inxi-ity attenled hy the angelic orders. Allelua,

 in tho T. Im,n are all laved upori seprate or accommlatel pasates of Holy scripture.

Thete are als, the hym at lamplighting, widely known thrimeh Keble's transhation. 'Hail: Zladening Lieht." whech was old in st Basil's time (3iu): 'The Virsins sung of Metholins died co : All, transhated he Mr thatfind as 'The l'ridegrom cometh!' bat not in litargical uen in ancient or mundern times: and a few others. Eanly Givek hyms are few in number but of fine quality, and deal ahnost exclusively with scriptural subjects.
(3) Tha lituread and of hym in the chareh: infancr doen not -mem to have been exten-ive. Buth Iliny an Jutin Martyr hera teotimony in their we in malic worlip, and we know that sonne were in the in the charel of Antioch in 269. Get as late as the thand oth centuries there wa- a somplo asaint the use of anythins but Joatmo in the moten montanteries, and in Span the Comacil ui brasa ( 560 ) forbate the
 mately, howerer, the jwmbarity and fower of lymmi lueame no marhed thomgh their we ly the heretice, and their mmporment as a commercheck lev the faithinh, thit ihnir exrlu-inn from
 chame wa- on a limited seate at firt, lint after the fompleto efluration of the Katern from the Western 'hureh the hymm in its varions forms gradnally a-mbor at frominent and permanent porition in the fire k litures.
(t) It has liven pointmint that the frincipal link lat ween the warly and later ham-is fomal in a










 fir-t with laruathem and other part of the: Hols




 realler he is luat known thermoh the cernto, mathe hey

cobremprary woth hime was St ramas, a monk of St
 Mamba, mar liaza. who deely ro The Jio wan the

 1s hom! tell thet! lis fanms. it it rahas with
 of strempth in limets lymmody. lion at Hanacons. lie




 accorlanice with the Lizht Tomes, and surphan it wath

work. that for Easter (huegmain: in ler Xealus translat
 in fast at loant, to the Limblin reabr. Within the mext fifty seats, it ' henthanes, a mative of J. Fit-al ha, also of At cibns, ahl atterwark inchbober of Hida, was writhes ateminely on the martson and confesms of the Gimak (athadar, whech tok the fom of canoms and idmanda. Althong largely represut it in the shenea, In is almont unknown to the English tader.
t, 'lhe sromal (moni) of hymu-writers were asonciated with Constantincile. The first of the is Josepld the IHmmographer (died es: ), a native of kicily, lut after warde fommor of a momastery at ('onstantimple. He was one of the mot volmminuls of the fireck finets, asal is largely repreanted anmos.t the canns in the Mruru. His canon fur Ascension Hay is rely fina. Of it. howeser, lut a suall protion is familiar to Engli-h readers.
 nal, heing the luat knows. 'Let und chow w wathens raise, and "stars of the moming so pherimesty bright, are also translations by Lr Neale from it Joseph. St Joneph of the studim, sonnctime Jinhep of Thessalonica, wrute seberal fieces; lont nome of them have hen translated into English. His bher lowther, st 'Theoblore of the studium (dicel soli), wrote several canons. motably that on the Jumment, tramsate by Ir Nerale as "Mat fearful day, that day of spechless dread,' and regarded by Neale as 'umdombtelly the arandest judrment-hym of the church previous to the
 which is a jait of his triamy hal eamon on the victory of
 group, of focts. of the few pieces which he wrut. IIr Seale las translatel one onty, 'Are thy toils and whes
 error. Thenctiotas of the studiuni ( 8 , sh), said ly lor Netale to have been a friend of st Joscolis, is mot largely repreconted in racek hymoty. We is known to Endish readers throngh Dr Ceales translation of a contof rom his -Suphlant Camon to lesus, as "Jusns, Name all Sames alure' and the liev. li, Al. Monrsume remerngo of the same, 'Swet saviour, in Thy ditying grater.'
(6) From this lite to the lioh combury, when





 of Com-tantinuple (olied l:Bis): hat omly one ur
 into linㅍlins.

 atind westorn lersia. Its hastory extemels from the 2ll the lith centmy.

The +aliest known hymareriter in this lamgate is
 Harmonime was ildo hymm-writer. Huth father and and
 SHocen biar Fibhate, lishop of Ethucis, who sulh real



 Sybac hymms and hymmists are prathally mamom to

 varions dubsens of the syriac churches to the present
day. Their linflah new is vere limital. The but known example is 'Glail sight, the holy 'hureh,' by the leev. I'. rost.
IV. Latin.-(1) No manme is accoretatod Bith








 a combmporary writer with the abose thene Want lat hyman atre attilmom to hime latt oi
 erliturn of his works imedulime • Etomat Clarinti


 an Smbonitn hymms. Now of the latter and all


 shinh puntion were taken amb incorpuratod : hymm in the arvices of the ehardi. fore this

 Witi tilleth from hiv pern " Dit, puer, peetrum, in his Giotlemermon, is a cromb example of alin mome af treatment. The bial edition of lmo






 "Crabelic llequle leman, in thes mosern lioman



 or twelre hymmi hear his nomos, but his fight




























 - न -






 litertur and sobolatic. In eombertion with divine







 (1) the nomber of 16 ane hnown as Notherian
 Nothar Wif thone who followed Nohkr in this
 at l'arial was the most prominmot. "The -rmise bonks of the mithle ardes allomot with hlawe amm-

 brot linown to the Englinh reabler is ihat tur the
 upraine of jos amd prave. Nlleluial.
(4) Whath the work of romboninge hyman and






 smat, tor haw the matume ame whatere nt the work which was dome. Side lla: Mi.E.
 to atheve, to lhe number of sebread thomsamala, are thome whith dater from hefore the litherntiry







 of priate devorion: and that heaty one fomoth hawn hecol transubd into linglish.
I. Linglah-English hammonly in a fory wide








 dimet instithant of hanne in the smanolation ons
 amd indmion in the lrimers which were iswnel
 tamalitions were followni ber mhers, reme of

















 of devinim, and ate pinas utteranos in quaint and rusend werse. Later attempte in the same




 thane was mate in public worhig. werent in ther
 my hatpor home, and othern of inste than u-atal excelletace are of thin priml.

 The kines rianted him a patent to himi ne the lawk with the Metrical l'salan: hat the whole matter resulted in a failure. In bial Witier repmbinhed


 The writher af Iterick In


 the fire? ham-lowk withemen tape (in whels

 W:a mali-hed lig John Wealoy for me in the Charela af Eughant.
(1) Chemen ot Eivathm, - The title of Weshers

 broims of pahme, the tranhatims from Greek and forman, and the original combuitions were sworty in all. Wioloy and his honher 'harles



 work for the 'Intreh of Enotand remained a dembent matil lim. whon Martin Madan
 sathered bo him manly fom the Wender and lsak Witi-. altered withoms formionom to wit hi- Cal ini-tic siew- and gmblifled withont Itave.
 were issum. Taken as a whote they wete 'alvinistic in

 contonts. There white whe the ont durng thes


 uee in the 'hurch of Colani, anl th. phaces, of pmblica-
 Samally the... \{unks burwi in ther centents: hat

 of the order of the Bionk of Common l'riyer than
 of hym-luoke, anment them backent the 'hristman





 in tance, were mainly he tho sum wher. Wring this perion alon this shere wols richly incrensed lay the




 nest tol yous the ontenne wan the mbitatan of




 from the latin and hernan, twe the with monal con-
positions of proat murt. ceraten a lomentrer formothing


 Man ham it ranal a anm of 'mpoition: on the other,
 manertant works on hymumge, rarons collowtions of



 the nowds of the meretaed acturty of the church have hech ment. In the pant whe handren and fifty yars the
 hymu-knks, and marly two hmmen athl fity authers

 origimal hymser ant trankatinn will nombi the thansamb.

 Chardh of Fandand is laree and important, oud
 conntrice. I few facts only ean be set hoth in enth instance.
(a) The Bipetiots from the first quarter of the lith contury to the perent hate bern divind into two sections, the larticnar ur Culvinistic, amb the licsural or Armiaion liaptite. The singing of hanme with the former hegan with 1: Kealh, alnut luas. it had a strmy moth and chihbmod, for oppusition thento wats great, luat at the present timp hym shmer is a diatimetive feature in then worship. The Genmen lidithets also have the er efficial hym-louks, and sngeng is an essential part of their worship. Englinh Bartist woters number atont one humbel, and then hymis two thansamp.
 in pulic worshan thirty sars hefne the bapitists. Their hym-hnth have he in wany, and their writers manerne. The latter mombura a handred, and the ir hymas three thmand or moric Althongh I. Watts, P . budtritge and J. Comber are their pride and thwers of strensth, there are iethers who have written lyries of great force and bauty.
(a) The Mithentste are hooken up into sevecol wetions,
 (1910), the Initud Dethedine Tree Churdee (an




 I mally Methomit hymmely is sad to have hat a we at inthere ulun Gnghoh hemmen werywher This, buwert, is only true of the hams of John and Chates Wealey.
(th) The Enturiots, although numerically a wak land. hase promand sutal ham-writers of what mat.





 whtors and homs. however, do mot cell for suceal motic:

When the lingth hym wrim are commen up


VI. Lrieh. 'The lioman 'atholios the Protutant







 has, howner, an abthorimed lemmal. The thath
 lai-moner it in whaty in andane of the Chureh (i) Emilmul.

Vir. Holv- Theme are wemmers in Weh-h





 va-ion of the formo in 162t. Nime then hym-
 sime the Dethotiot menoment varly in the lat remary: and at the prosat time the Eathbithed Chard and the nonems Xonemfomin balies


 hymanly of of hat comertios.
lll!. suthish. - Whe of the most interestines
 Sonti-h balter, a work which is interwowen with sootbin! hitory, athl has harl a powerfol inthence upon the Soottinh miml. The first eflecthal stel taken to provide hymas, as distinet from pathe servions, for paldic woship in soot. lanu, was the appintment of a committee of
 presentel a draft collection. which was anthorised for private we in bis. The same year a rommittee was amminted to revise amb entarge the Araft for pmabic use. The reant was pmbinhed in
 of sererelt l'essengs of Sersed irriptuer. \&o. of the total eontents (sixty-seven in all, not comting the five hymm adieil at the end) twentr-five are ly Watts, five ly bolitrilge, athl two ly Tate, the rent heing he. M. Bruce, T, Blacklock, II. Bair, WV. I'amorm, J. Lugan, J. Dorism, and other Scottisl writers.

Althong the aldition of the live lymos the baraphaces imbleated a desire for a larere choiee of hymus in public worship, mothiner Gefinite and oflicial wat dome hey the pripal seetions of Presuyterianion matil the prablication of the Hymm-heok bf
 Unitel Prestyfrime (\%uth (1sion), The Siottiont Mymmel of the E-talsished Clurch (is50), and the I'sislut rosions, I'acephresos, ened Hymnsof the Fred Chuth (1933). These hase been misad, adder





 or Simbenanams. Goman batholies, fom oheres.
 literature, of whinh a guol proprorion is of Seoti-h wigin and of high merit. . Dmonest the minety
 whine hymu have takron at high flame in the homands of the clareh the mest eminent are I. Noriom, Li. Mair, S. Martin, W. liohertsom, II.

 and li. Wrarllaw. The prince of there homwritere and the charles Werley of seotland is 1 or Homatin-Bmar (1sos sat).



 the 21 mition of lat: wan the lime deportare from the whe man of palm-reminns in that commtres. This omall beginning hat at the lirst a wey





the Conerematimatiots had their Ilertfurd sethe


 I nivaraline, two collections in 1 Ten: : the 1 nita
 Watt at time and then an odficiat whertion in lises. In thene luoks Smerican hymu-writem lat a very limitell reprembation, mat of the hymas lowing ly English :unthom; lont year by yar the Americin ploment lecanr more pmonimeal as hamal followed lymmal in the vallus religions commumions. la live an urimal hym ly an Smeriean was a movelty in iny collection: now no A Americen lamm-hasi, of the highent elase can do with lees than two hundred and lifty authors and trambators, and of these mot low than lifty Shomb he Americans: This jereentage, as the onturowth of stme eighty rears, is remarkable. Eaela religions commanion has done its part in bringing athout his great result. Uf the two lumired and fifty anthors and translators, the Baptists and the I'nitariaus mumber orer fortye each the Conyreqationalists alont forty: the Protestant Episcopalians amb the Ireblyterians abont thisty ath, the Dethowlist lese than twenty, ant the C'niversalists alonit tem. The remaining thirty inclute guakers, Ficformed (remanc, hefomed Dutch, de. Several of these writers have an Enopean reputation, as biobop Coxe, Bi:hop Woane, C. W. Everest, and W. A. Mibhenhery (Episcthatians): T. llastings and J.
 Dwight, and Lay P'almer (Conmregatimalists); $P$.
 Famy Uan Alstyne and W. Innter (Nethowhos); A. (i. linffach, W. (: Bryant, W. II. Burkigh, Enerom, Inolmex Lomefellow, $\therefore$ Longellow, Lowell, and E. II. Sears (l'nitarians): and the Quaker jumt Whittier.
The number of hym-book- jubli-hen in Amenca during the pat himdred years accounts to a great extent for this ereat activity in liymoniting. At the present tine erch denomination, and there are many, has its ollicial hym-bums, or ita quariollicial beok or hooks. Forgurl work opmoturities for publication thas abound, and the fine prothetionsare armad acertain ciralation amt a puosible immortality.
X. Formeh. - The lirench metrical palters have a hixtory distinet from fremeh hathes and hymbooks. The complete pailter of Marot and lana (1002-62) was the fatmboh of the hefurmed (hurel until its plate was to some
 79). and the revision of the sthe le lietet and ithers in 169. Sn in of ar commitios, the
 the versions of privite inditidual we manly of public value in pryurtion as they yimbed suitahlo pione for the same: The witin! of hambs in the vemarnar bum in the loth combry as in
 Latin. The lioman 'atholies, the hngumets (in thate day), the limemed chareh, the lemelt



 proprtion are trantation from Pastinh and tierman hymos. The liverl has prokluced the wreatest Fimeli Protestant homm-writars, at the heal of


 in the sume relimin- bumement were Ani bast, il.
 l.attornth, A. Vinet, A. Monm!, and others, men of

Whild willa befutation and indheners what hat piven a fonition lo Freneh ligmmon maknown to it Berines.
XI. Cirmmen. - ln the dierman lanomame thar.


 a thom-athi ate renarmed by fermatn atition a clas-ival. The lirst were cointemporas with tho
 the last ate the froulactions of living met.
(1) The Firat Period logins with Othent of Weissen. burg ( $c$, sios), and was emmmed liy othera until the timu. of Lather. The areater part of the hymas of this periond wera translations from the Latin, and all were in strict doctrmal aceond wath the " Murch of Lione
 hymms and patm-bersinns bis Luther, and embraces that lieformation prerrod to the peace of Westphatia. "lhw" proncibal writers were lather, Insta- Jonas, Nher. soneler Hama Such. Speratus, N. Dechas and others. The writusa it these anthors reached to about liñ. and hatw is distinct eharchly character of then wwn. From lian to l6l: hymm-writing and hymo-book making contimuel very much on th: hal lases, and monhered amonast the writers belnecker, lingwalit. Herberges, an! I'. Nicolat. The miseries of the Thirty Vears llar changen the whole a-pect of hymm-writing for a than. hy the introndactom of a strong ${ }^{2}$ wromal element uf faith and conrag", and hope berotten of sufferin:. The mames of it fow of these writers will recall sume of the
 Jfermann, Il 1. von Lowenstern, Altemburg, Fmkant, both, and lint.
(i). Then Thired Period was in transitional one and lest up to the Poetistic ami Moraman writers of the nest erat. It had amomgst its hymm-wherers $P$, lecrhandt,
 liranduhbur. Of these the greatert wele trothardt. who is second only to Luther in Serman hymovely, and seletiler, whose line for thast was first in everything. This urthom, myotice achosl. with its deep exprimental phety, ws som lint in the Pietism of the neat pretiol.
(i) The fourth lerioul, commonly known as the
 dy scholastucism and edde formalism of the Latheran Church,' and an matatic promomement in tawour ut
 Lutheran -idu the leadine writers were Sjeneer, Frathe",
 lianhach, liggatzky, schmolek, and Hiller: and on the Moravian, ('ount Znzembonf. Threc manes recall numer-
 puwer.


 book apmeared at Zurich in lito. This was followed by
 of Marot and law in lif: Another humbed and fiftr seara hromeht them ints closer hymmondial conformity wath their Latheran heothren, aud feratne lamongit


 J×17), and covars the time whend late oreat wase of Hations.
 changeal the whol anpect of their hamandy. Oll loman were altored of "Atirely rawritter, athl tuw hymus writen partaking of the nature of ityment ermons on the exintence of iond, the immortality of the sumb. the" dicmity of man, tha, whlgation of insal luthes. atal


 greatest being wellont and Klopmoek.
 almost with the I!th century, it entomi= tu the promint time and embraces the well-known namu , if. Won liar-

 dierok.

This Jigest of the lovamolumital work of mome

unly the shichtest inle:a of what was domer bittr. of nothing has leen said ahmit the moltitnofe uf

 the Comes, now of the motrical versome of the l'salms, which hate at histort of theil own. W:
 fats, athl retior to sureit! trations for datila.
 Ammican hymmely has leen very wreat. In fant, notil the menden revival af transiotine hamas
 abmont the only sonme fom wlume liyma whem than Enolish were takon for now in the lishm lomks of direat Britain and Americat and at the juracat
 fusition in the lymmats of almos every fatty and rreed. For the fintela. Italian, Liohemian, Jor-

 and dialects), see the present witur's Itertiomion? of $I I$ ! m momlogi! ( 1892 ).

 it le camo a necemity to pratel to the pernle in

 as we lave mexn, not omly in a



 whibe whers ate widely disurewnt thotedom, amd serem 10 have had little on an law of rontom heromb the fashinn of the promer ar tha fand of the


 bumts. It an varly stage of mhob history revoment -trophes in prome of the lloly lorinity, ame ryer cially in adoration and praine of the Etemal En+1. tomethel with a motrical homily on two athl it low





 uf 'larintian factrine and ritual, "ver "puch in tle"


 Mrshineal in sacted -rnar.
 sitmatul on the west shore of the talf uf Usaha,
 on tha west sinte, allal kulne on the ethe at an










 atol





## 




leanime and wiodom minlo har the most indhential toracher in Jle candria，athl the fame of hor lowture drew romind her stuments from all parts of the liast where the inthenow of timen thought and know．


 watelimism：but lar thoments were princijally




 Dexamdria wat（＂rril（y．s．），it lierce hater of hoathens athl horetios．With his rommivanee，if not at hiv imfigatiom，certain savare momh－from
 atackal llybatia in the atronts as she was return． ins from her lecture－rnm，dramerel her from lien harion，horried her to the caratrom（then ： －hureht，thementriphed hat mathed，and hacked low on death with orster hell－，after which she wa－ torn to fitare and her limbe carrien to a place called Cimanm，amd ther homed to anher（4lis）． Sone of her writines hate survivel．Kingseys．

 a samation＂，in the most wenemal some of the word，renotes an exromive 心ritability af the pall uf the nervorn appatatu＝which hase to do with andation，special orecommom．Dhmomal vensibility to pain in．howerer，more rumeretly called heffer ulgesior．In this comdition，as in Tie－tombommax

 an attick：while in hyprosthesial of the xuedial
 bay he hearl．and wan sumble aml taste experi． encerl in the absemor of amy olyeetive canse Of
 －lill the mant froblarat ；but it is sometimes influed by rhemmatiom，wout，sin dineaser，in
 while it oftem athin areatly tor the distres in the early stages of tamb fevers．The treatment of hypurasthersia is that of the morbid ehange on which it depends，hat the horil aphlieation of

 pationt sambernar for the tille
 apex to apex，athl with the linso joininor the apex and centre of hase in each，in a trachit line： then if a plathe wheh dows ant bian themorg the



 ＂hich the staisht lime l＂l，l＇le atiterimg ly a
 fosald F＂．Those erimen mints are malled the fors

 entres ：und the line lif the fransmerer enis ot tha

 a rirele deseribed from ratter $[$ ，with at radin． ＂qual to le（i，will cut the comjuraterat in in（ and l）．
 and Fif＇for the ates，the lis perthola in mpresend by


 （is，（is＇．It alma alueare that，if the anem of co ordinates be turned at right armer to theriv forment


 stme asymptotes as the origimal hardiolas．＇These asymptotex hatre the following remabhahbe poperty： lifstartime from（i）the astmptore he divided in comtimud prometion，and from the points of sortion lines le drawn baralled to the other anvinutote，the areas contantal he two adjament barallalo ame the
 equal：also，lines drawn from the amate to two
 areas．The equation to the hyperhala when refored to the asymptotes is $x y=$ wh：which shoms that as
 the abocisere incrathe in the same ratios．

Iyperbore＇ans（i．e．dwellers heyond boreas w the Surth Wimet，a name sivern loy the ancionts
 paseed to lio in the extume morthern parts iol the worlal．In the favourituo of Apollor they anjored an earthly paradise，a hright－hy，a forpuathal

 of anthrognhery the term llyperlmreata－is soma
 the Tehnhtrhis．Sino，Kiamelatalos，dr．．whan lwell in the motherast of Asia amd the morth－we－t and worth of North Amerira，and who camont be chassed either with the latialm or the proplen of the Asiatice platran．
 order of abent 300 known sperios，treses，shrules， amd herbacems plats，widely diatributed wor the world，and in very ditlerent ilimation，hat partien larly mumernms in Sorth dmerica，＇The puries of Vinnial vielat a subitanee remanhling wambere Many of the llywrictore helong to the genns


IIVperides（nuse corrontly llymenemes）the tireeh oratar whor on the whinde，ramhe next to

 ahout the same time as thomostherme．bis bith

 whell her－pent with a gemerons lamel alike an hi－


 hime on to the stine of fulition．Where lee wim

 ad？
 hime as a pelitician at thin timue in shown hy thas

 ha dicpute sm the wortiol of the lheli：n temple．
 Whilip up tathe fibtal find of（haromma，whan． ＂ith the Heforat of Athens，the pulitioal litmert of
 gromatey of Maredomia wan matahinhed，Hyperides










 Kmown al the latmian watr. The leatem at thi


 althomerh llsperialen win athaimel ant -tadiad in












 N1. 11arrio. atal to contain the remainder wi the












What mont impromen aro in berdine Hyper



 honimo. 11 i-


 a*lf. II. will wot tithe the fromble for piek allul





















 moth writor of the treotine an the sthblime

















 blemle. fo.. with whieh it wan fomberly rom-


 $\because 2$ of fermon-













 -thene, allul in of phomic arivin.






























 the |chии!.

## Hyphasix. $\quad$ mer illam.














 morain that it will ramber arrat aid an athert



 natial as at methenl of treatment is demomstrated las man:











 In the (immtanent it in funme that alont so firy


Inymon min lar wet in two was- in relation (1) ilintane. In the lirat place, simple sleep is imblome imal shop when prodimed withont the


 lies matle to him whin will abmlinh piat, anil













































prople are often slithentt tur lixpotime and there

 Wrlinary individuals, exterially home whe have lommed to bhey, are the sthboets whom a hepmotiot wonll prefer io dreat. Thildren at relmal, saldiom-
 from whirla the most brilliant surceesas hatse been altadined hithatto in tratimer diveras. In many conses of insanity hypatiom maty be mend with
 emplosment in them eaners in mot los athy momat mat. lersmas sulforing from hallorinations, it is
 the painfal result of some suterons tomble latre bran retured low havin! the incitlent hatted ont from their memos.

 dangerms weapon in the hamds of tha umshilfal of
 shombl le prohihited hy law, ats persoris experi mented "pon have heen ramiderd lmantices on hat their mavons sytems beverely damamod. (rimes have heen combinitud ly gevans whombe





 that her is ta commit some ate after he hats a wat.
 achiniz al lar lime as antomatom. It is:


 bulles about the eomalition. Only params whan




 allerderd.

 1s! ! : aml uther hak on hypmotion hy lijumstum




IIy pillim. :





 lation in Haluer-al.














 af the damblions, lat smatlor. ('althe mat llais
 imbinus (on parture or forlder.

 untained an a dibate sulutiom, as in the monem





























 in the injectim off at whtun of the shlstander to le


 lay the protipnt if the monlle le lathic:otend with

 fored with hy vomitimer ar onlori (omelitions of the
 "f the remedy into the - - -tem lay that chammel.




 is than whetly wi war for the womalile alkatoid. of which marphia i- far the mant oftell ramplosed.






 Trinity (a.い.)




 mport of hiv :













 ton of the lirst lawh of Eindinl $E \%$ wome



 see lluliv.




 miny. thoir meat' wt allin- in the
 (1) in tha 11\%n! later porme. In -ize they are lihu rithlit- : latit the Hatile "ohly. "hiold really hi. lonies to the rato hit, is mot lem


 marmont- 'Thers


altr bative al











 biattom aliatimety like thane of thas finomero abl - = antrom limha, thate on tha hime. all with -hant











 1:arminorro




























 A-torabral.



 fibuars for the Syrans. hat ow the leath of
























 hi- "allur. Sfor -












 the :







 latol hiv intanination lo the writure ui hiv low










 (1) 11114 in lis!



- Hatuht divargimg stamenc, athe it calls with liftern ribs. 'ller known man Ilyosop (//. uflicimelis) in a matise of ila somth
 is formod ont the $\ 1 l_{10}$ of Anstria. It is a haltolimblos Hant, alnat 1! ford high, the
 rangular. the leators evmorern
 one-silded whomed racomes. 'The howare are armemally of at sers bantifa! lime. It hat an
 has lame hern in anlivation for theresthe of its lenver and
 times used fur culatary pur
 generally in ar lrixd matr as a
 -ymur mitale with them is :" papmatr ramery for ralds. 'Tlo. जiftum of hamen delowd the: salotila oil. 'lhes hyserep of the

 (4.9.), ats I' mitmare, at mative of the Himatas: lat ont th. antlonity of lor liosle it

 115n-n is fisutiole efficimetio.










 two thing mant la: kept in mind- the temener (1) म-10|"



 the formbla, while in mery comatry thin formate sed.









 Theil laill: :and ill Ise! :1 valman of mo:rly foll


 Ahi l'molan malats.















 fritumle and ittombints.




 and. on the ather hatril. How fakly of at fin, or






 and thare is nu dombthat mirambons ratro ate





 af the farp atio alan of frequent acoumence.
 -bmptoms thene are the modanomal paroxymom on tio whinh in the popmolia mind are rlifetly asobilited with the name of hyteriat. There
 stral sererits. In the mililent borm there is mos





 with a wrothm. her foathres twitehillo. her bank


 serime ingurien: fat we rarely hate herself in




 to the ante of the comblition which gives tion to
 the semond mone rituls. The treatment mat bo. both monal and phasionl. and the formor is ther more important at the iwo. In the mote arwore













 daily.









 chre
 drogs atr valerimate of zitu, iom, morphis, and tmpentime. Klight attack mat low watded afl ly an antismasmolic like ether, or low inhalines mitritio wi amyl. 'Te cut short ath attiobl after it hat
 ix an ulal athal alporoved plan. I still mote - fleetual proweding is to close thes montlo and mase with at town for fifteran or twenty arombls. A litte cold Water promed into the montlo often atets at ance.
 of apmomphar, injerted mader the shim, will end tha lit (Coswres).

 work for the aimless life of alwomete eacitement and lanatme whinl so many of the women of the



## 

Hythe. a parliamemans and manieijat homoth and morkettown of Kent. S milo WSW, of Folke.
 E. of Lambon by rail. is ont of the (imene Port:
 Lxmm (the atm-ient Purtus Leimemis of tha
 ably the crigimal harbour. "The town, which is fleituantly sithobed rome slistance form the sea,
 "hish an evensibe viow mor the lommer marsh



 hmmatr thall- anal luma-matms of the skull-
 which are altugether muertain. Near to IIsthe

 the pictumbue ruine of saltwoml rimtle, with mennoriow of laeket; and the lassal Militat (:ant,
 vosance of military storen to lize. Imt nevor of




 Ilyther. Which ince k:















1he minth letter in the alpababets of wostron Emmore, was aralled intur hy the limedo, from its somitic name ymb. lomere. wwing to ble rhararter heins thes waillest in the llobery atplathet. We wet the word jot. $\because:$ tiftle (st Matt. v. Is), amil jothimess or "matll motes." "l'her
 in the liguptian IVienate. from which the Iharni
 hlane to at hamb. with the thmmb helil apmet form
 inaryiptions the form of the lethor wam ancolate, atmething like war $\%$ : it then cama formemblas.


 minasente ifist came into tar in the llth centum

 i in the eombinations ai allul im. In the loth cent

 maversal after the imontion of pilutima, when it

 for the aterent, the oddest \S. in which the dot is

 deters of modieval MSS.
 anmal of the latter iv that of the hatin hame thes


 fien' 'Thir manmenmond af mar is whinh is really a




 forlowed lis a wntamal whirh has muw fallen mit.








 ing of two - llalilion, of whish the lirst is shant, and











decasyllahis, with live acetats, whishwhen thyming
 . Dexambrines, or twelvesthable mette with -is


Iantilifelins. a Naphatonist philosopher, a matiow of clableis, in (ablesyia, who died abont
 of lolotims: but in his hamle the Nemplatomist



 mathematios abd philosiphys the anthantioity of


 Eataroporlo, in the same divininn ats the river

 endene. Wh the wamer seas tho aminal llants in



 Shill, anmal, and rafl.

It in mont rematkahla for an atiry mat whinh it
 rapmale, likn those of the whelt. 'I'lue animalo

 Ha! of war $!?$





 :














oif the head, and ommotime weth thank, aro deatitute of feathers, at loant in adult hirde. The phmere in mainly white. with hotek primary
 The low ane mathe lomer maked almo the tarod pint. With them patially mital tow in trant, amil



 athongh lue bomy is litte latuer than that of a






The sacrell Ihs (Iber whimpiat).















 10- - ymblan the lightand hande oif the man. It








 It was celaloatod for it - purity and only drath








 :aty - -






 Wak lum at Tamem in 1304. and onent thirty
 Fow in Mumem, in 185t, hewtot the hivan of

 Mexomomia, Mathat, the cant cobat of Ifrima,

 th Chimb by way of smatra, amel tinally same

 travelled ats far an Timbulta on the Nigur. Himatative in extremely intoroting. lmoner and ammerote altemating with graphic ipeription. ath thombin it alt rume the whlen theat of the writem





Ihn dialbirol. see IVarkitas.



lbrail. See Fenthat.








 apminted ilirew of of Bull- theatro at largen.


 -inilar antion for the Satiomal Theatre in Chom tiania. Iti- nent hramas wore The Iformens in





 Xoway asam-t him. Thom in Nat the Xatimal

























 of the sativiat social dramate which lave mate hiv mame fimmon. Thia hia horn fothowed in
 Gihosts ( (sisl), In Enemy of the l'ophe (1swe), The Wild Mme (1sel). Remomosholm (Assi), The Jotely



Thase plays amond a stom of fontrown in
 in Fiemmany and in the swadina ian comatries. Howen is a pasionate alweato of imbivilual liberts. He maintains that mans: firet and chisefest duty is to be wholly man, comsistent with himelf in all things. An intealist of the lifgest type in the
 of mankiml. lo in at seeptic in hiv extimation of pristing mon and experially of existims instithtions, social and politiond. His misiom. like Socrates of ohl. is to awaken unen to a real emm-
 promising moral rejomet. He is inspireal by at stern Semitic earnostamo and drives risht though
 The interest and mothor of his playe arm almont Palmsively purholosial. He makes the emsequential inomphent of charactor the sureme law of Iramatic asolution. Ilis plias reprement the renelusion from the permoderical premises of nome problpu in chameter on somial cirmmstance. Bach play homin who an manary pay would br just on the puint of ambines the situation is completely formed bafore the antam riars. By his
 netailoul pisturm of immer somblife without resant

 rivid realinm. He ent- anm of hin wifets le the


 present- a consixami indididatily thenghont. There is at thmes tow much myandina and amber
 chatarter and ownimeden the action with motion.


 see bugraphes hy Vastmun (swednh, 18*3), lassiarge






 Brand has hath thanlated both in prose and wese.
 in laty, doarishat atomt ith ita'. : and lived som fime at the eont of lohyrater, tyant of sathon.





 tarily, "pohnd the awown of lavelos." This lat

 thy






 and indige. In whe of then valley- lion the catpital,
lat so miles SE. of rican, it- brt, with which it is comected by railway. l'ol 7000.

## leabos. soe lembates.

 lishter than water whirlo is just alwon ta fecor. athl therefore swims in it. Witter, in hroomitg semid, expands : whout it th in whane in lulk, and thus achuires a density equal to 0 0.016 (6) water at $00(.=140)$. The formation of ine takes pare generally at the surface of water. Thix is owing on the pereuliarity that, when water has (at the ordinary atmopherie pressme) cooled down to within
 lefore with increase of cold, and begins to expand
 protion of the water to be Hatime alwas. on thas surface. ln some dirumstamen bot wry well explained, ine forms at the lottom oi rimers, and is athed groundiee or Am-hor-iee (f.र.).
 temperature maked or ou the Centinrafo and
 lont if it is kept furfiedts still it may tw ewoled on nearly $\therefore$ (C. lelow freming ( $=0$ F.) ame still remain liquil. Thee hasi hathe however, ur theminge in of a solid horls. maker a pertion of it freper instantly, ind its tembratare rime immendi-
 frepgo at a herer temprature than pme water : in dong this part of the salt selbates, and the ice, When melterl, gives water that is fresher than that on which tho ice was formed. The colour of pure ien in deep Gue, whiel is only diecemible, however. when it is in large masses: it is best sem in that clefts of a macies or of an iedures. In orter to molt a prom of iow it is nerosialy (1) rommanicato
 $1^{\circ} 6$. This measures the batent lacat if iow the (wmperatme dens now rise until the ine hat bern malterl.
 tains of a certan leight in all latithdes, there exist
 -ome flistrith of siburiat, where: himd of rulture is particalhe in manmer, there are fommen at a rertain drath helom the surface of the carth, satat of ice mingled witl sath. In sinkins a will at Yakutsk, the soil wa imand permanentive from hard to the heph of ase feet, and comsting in some parts phtrely uf ice lathe lower remimen the forvil \%, no icre, innl in thu trmunerat. zamen it is at bassime pheror menom. From the pular ier. ficlils :and ghando which trealways par trmatis : where intor the -riv, Elwat flowt ing matmo la.
 :anl form 1.
 and alrift in.
 'There berge ir monntain. oi


Anl letberg.
 ice rive sotto


 at :









 in artio renjunm.

 hemat wat hatt of the fee of the Xevalat hemer lmas. on feet lomg. 16 wide, and $\because(1)$ hish, and the
 without the te:at injury. Dictere it -tome twoine nurtare and oi ice catmon, math on the bumin. lather. with mangen and wherk alan of iet. Thu cannom woue of the caliber of ti-pumen : the think. new of the is was ouly four ind los, and sel it rexintal ther "Momion.


 into one matas arat tamish the tamperature of the surrounding air la comsidurad wher the freminn.
 assuming that $a$ :math quatits of water, survomital
 lopome ies: ant the fat that iwn hocks of ine

 Gave a totally dillerent axplamation of this phenomonnen. Ha :laned that the apillary foree in the film of water twetwent the pates is sulliciont on accome for a wery eminmato prome hetween them: xo that frim his peint of view the phemomenom wont be intentinal with the making of som. labls by presoure or with the fomation, by : hydranlie preses. of elear homekx frome a mase of
 Which in tolve fond in the propry of iow mentioned below. latanlay, taking yp the qupation again.
 is arter at ratily in in sir. at fiet ghite incom si-ant with har antion of vapilary formes. To this 1. Thomson ropliced. -lawiny. rery ingenionst, that the eapilary fores he at livel anmued are now mecesaly to it complole aplamation of the ohaceral
 15ill til.

 which iere wis rominimerel an wandially coller than



 the true edution of the question is, a- I. 'lhanman painted ont, to lac Fontid in the anallesy of tha crysalliation of walt from that apmonnomions.

 by .I. Thanson from the exprimental fate of its
 liy me:as of the l'iezonerter ly'sir W: Thomson



 this to the "xplation of the motion of mixumer


 of the followine natmor: In the immonor mato of



stres than others. The promere to whish they
 ""int considerath bure the temperature of the Ha:- and themefor, at well fuinto, if the ine la* men altuenther tow cotel it malte. the strine in relievesh : and tha who man is fine for an instant

 the tomperatur ant presonus oi the wator :are asain moniston "ith freming the thin lasen of watre quichls ablitilies, and then mattors purewh
 difliownt parte of the mane melt it at those faren
 arlinaty jhemmmen of a mase which mioht in

 tan in trathe. This rextanation womld mot mont




 hate alway hurn eotemed as a lovery in warm wather : and thic varly led to the stome uf it in wither and provering it for shamer ase. The


 laman: in lame, imitar to thome in ma in most Eutnuan rombtries up to the prent thane. lint

 then athatly mablisheal a trade in sum, which Was brount to kone from tha summito of distant momatins. Ther trate in ice in Chat lititan was, matil a rewent perioul, atey limited ont latwing burn chictly emtined to the: suppremined by a

 bins furnithed with iefomse (ememally sold hailt cellate. wholly or partalty matergmind) in whiol a sulligemy is kot for pivate ure. But

 Chambers and onlaerwine. It in alow beat hy

 -and the montla and whe the intemal tempera


 Aherist during the lat wethlate for prearving dead hadio between ileath amel hamial.
tee was impred into lingland fom Nowaty on
























Ilhity rean previoncly Ammica had sont to (imat britain on an arerare 20,000 tum ammally.





 raline mann it, is thom mane to ant deal parallal
 other grow at bight angles, of that the whol. of the surace ic derply maked ant into -mall

 hambaw, the remamber are eathly froken with crowbatr, and llated away th tha ice-atorehmete.
 the lake of rime some of there ate of van limen. siom- and vantain radt- of .weat depth: the wall
 being altogether as meth as fom foret in thioknew. and having hollow - paces lutwe.n to render than




 staton mat lne erianol from the fay that Plailat Anphia rember an anmal -






 Fhoughont the staton equrwhere. wexph in the extrone moth, the mannfuther al :mithisel ion is
 with :
The haldin!- of iereodilies in till a viater
 \hantroal ate the "sample of an ammal iow -amasal. whe of the tratum of which i- the huldine of at













 home, in! - -




##  <br> Trobery.

loclatud in an waml in the Vimh blathise














 latsely in the milulle, and the math emant lat- in












 lat mbills -bath when: the Lunt haman of thene














 fiod abmuly from the water, anding in -tere pre-





 -


 ai lavalt. Tho whalo af the interion i- orrapient





































 1)













leteland is not rioll in minalal- at loant not in




 if it workla paty ta wowl them.
 like that of the numth of seotland-i, mather wot




 tran!

 thre -imm !ownth. the lithomber vametimes levin!









































remarkable hirel of per is the ferlandit faldon,






 in thi finhing. litibe attentions wits gaill tut tha

 toedander themodnos. Finhacked whates, of latu

 मिए
 ivand - -to eit" tha whole of the mesmorathe
 from llomplow - Virtaral Mistrig of Irelamal ( 1 (9)
leelami wis di九coserad abont the begimning of the ! the emthry loy livhmen of Scotsmen, hut thes blet nom male any womanemt settlement. Alumt - evonty year lathr it wan redinowereal and colon. beal lis Nomexima, who profereal to leave their natiwe lam rather than shbut to the rule of Harohl llationer. Many of then hat pravioundy
 when thas "ere mot safe there fiom the attacks of

 lnoulf was the liret mettler. la ahome sixty yame
 robubli vas fommed. the central print of which was the Ahhiner which mot erery year at 'Thingrolir.
 reignty of the king of Nomas : and in lase, when Snvas wat whited with Jembark. leelathe shared












 ?


























pheneation is imparted at home. There are twa

 aho two ather eollese for miniters and medical student- Datur farmere are :coplainted with two

 inhabitunt-. There are two ather willage. Dafford in the north-we and Aknerri in the math, cult with ano inh: hatants. For the wet the pombation is neattered all whal the intal un bolatel farms.
 are the rearine of live-tork athe thenes. The











 lines and reper
 imported. The value of tha fucign trald in
 are now imput inake on pinits ant wimb
 wan contine to comenhaten for wemal centhrien. and on is the later pate of it still. Sine the your siat the trade lais heen free toall natume and now
 The 'ully native indu-try collo in working the


 vathmal. and thin is the pincipal chatiang material of the inhathtimts, hat is wot experol. Wh mot
 vallamal is nowno.




 Suthend 1sin; J. C. I'vestion, Ishent lhes Latud met



 to the 13th ewtury -pwlen all wer samlinat ia i.e. in Norway, Swedon, an! momark, an well an in the Fiane bla. shethand the Wranes: the Humides and on the ant-ut lingland, satiand. amb lrelaml. It was at ai-m lamgare for the




 in Enelan till the arival of Villian the fom-


 yoken bat in licland, it is called forlomete. Tha pramt bani-h amb swodi-h tand in the -atme








 blary, the inthexoms, ime the grammation cons thation have been preserved almom mattered.


 intineps sereral natuen of the haly, a lealandie homet. Shand: fineter. dinger: fite fown: Inti. - thely Lat if this a How wath bingli-h. it

 worl it is ilenticol with that of laclandic. In aomes
 where has romamen hatel in leelandie: then the letter $h$ in combertion with \& is asfenel fome of

 might lue matiphed infinitely. The leeliantic is

 adjective. smas of the momerals, and the promons. With marat the phometion of the hamage, it may lue romarked that vowel (hamge (ombut) has Leren carried further than in :uy other of the



 on midne bine of the vat. To every stmbent of
 andiont whene hate hath premed int lecland, and but a- well in what other pate of the north whicla

 I ture in it, and always tomk seat interen in that
 hasial intmex. hat even more histurical interest. ato it rantain- a full acomat of the been who loft their math in wemy armor of bineles. "how were, in tove matoro in bumpe during the eth and loth
 monemt impurtant fommont of the lanige and

 life of ome comman incestors.

The entient mumburnt- of thin tume are


 bandic literature: theore in. lowswor, -nliticient -malarily th- how that the hamata thre em. phened i- vally the same. The limio monmentrane fome the sth the the leth eentury. The
 arre the mothical sumg amtained in the sheratled

 the lamed. who diad in 11:33. It in inposible to


 mant of the indand. The only thing we know tor artall is, hat lhes exteed in ferland in the later part of the 10th emturs. The iblentitiontion of sman or all of them wilh either Norwaly the







 Eituts, and the warld, wht of the ruins of which a














 mmerstom la the intiatiol mals. I- the therme al









 without lar now ut letters.


 wione in runter. hat, an thore is non at angle titthe

 fuleit. Whan diad in loang. intrmburd tha latin
 the prowty anlia. for the lanembing ot the loth "onthry anmother hiving hatl ar atond where latim









































 lice sf Hakon tho thl, who blenl at kixhwall in





 smallar ones.





 -nplital contronplation oil life. with ralco for









 mingleat with ramion obserations an matmal








 of wher Toumatio watoms.


 Fhe phinciaal literats activity of the lith centary






 middle ai tha lith autury a now tom was givern






























 rimomatamer bif the i-laml. it rammot be lenieal

That the Iowlamber at the preatot day emmpare
 other peopile in similar rimennatamere.
The best gride to the ald literatore of Icedand is tor be



 illustrated ly V"jpitison and fowell. Chashy and Vig. fusson's eneat Tedandic-Eurdish dietionary (1sit) i- the
 ly Fiske (1s: 1 ) ).

ICeland Woss (Citmoin ishmmion), a lidien foume in all the borthern fate of the worde, athl
 probretien. It is colleremp an an article of eome
 regions it grows men med the level of the sea ; in
 It is mot ancomamom in the mommatames parts of liritain, althonh mot tomeal to any remomiac tevomat. In cambinla it is wed for filtoming batte amp pis. It wrow in extrome almmlanor in
 partien migrate from grat distamers with horsers. tents and frowisions, in the sumbary months. for the sold prome of gathering it an an artion of commorers amb for form. In many plates this liohen thiekly enoms the whole surface of the
 "omasts of :m almost arent 'luballus (y.v.). It

 of form its littermen is lirst partially remosed by
 northern monnhies, it is sombe times lumbliol and mathe into lamad: ar it is promed hy boid. ing. the lims wator bejos te jerotel. It is oftombuledwith milk, makin" it himel of eflly rithar withmill 111 water. It is an ingmation an li.|f al formi, allul




 sesoces similay brapertion.




















in romntries whare it almmals. The flamt is valuable for extranting somba, potash, abl other alkaline salts fron wnormberive soils, remdering them lit for culomes. It im so uned in ther sonth of france.





 neetem with the nationtion of the river, the arompertion of the (hinmer. amb the jorthosy of the ' 'hiness othorials it alvancerl hat slowly. Nevertheless, tha net valur of the trate motilied


 ingots, sumb the exports rilli, white Win. droge,

 tostalimpurts. Ithans is commeded with Ilankow

 (1535).
 blarl lribue, whose hator was at single ostribls feathere atferwats there ontriol feathers. The
 Johne the hliml king of linhmina after the battle


 Amployed as tha rominalle of tha levines of




 -peries, whiol atre pretty monemons: whe matives























at phatue in deotming pmitry and hatman animak.

 inchated in the onder Itympopterat. and mathe

 represplat in all put- of the sord. induding mans minnte forms and alou some of the latges meet The lomsantentio have mans joint-; the abdomen i- umally juine to the ihmax loy a marrow waint the ipmalew atrended with ori-woitor- Which are in some who sery pominent. With the e they lay their res- in the wa, lavar
 -piders. The ichamang Mularos haplop in the sate and comfortahe hidimg plaw tha atforden, and utilise their homp at Pont fur at while. hat
 leave thon leat of lying sumetimen urions.
 a timilat trick played num them be members of the same of nearly matel families. A- ablalt,



 onstigitur are bamaitic on the catergillare of the

 Fix-lLs.

Idtore the ethereal thaid that -mplime the
 mothong. 'The mane is appled in mondine to the that watery diachater foma a wom

 in the -tratilied 1 onla.




## 

 ahle senu: of reptiles which inlathited the ara during the deperition of the Mreamen stratil. Liko the momen 'etane their stmeture was mation to -nit their annatic bife. The lunls was -hatued bike
 athl the tall, lone and lizawh lihe, was fuminhed, it i- lefliesel. with a therly fin, ar in the molphin. -aret that it- junitinn was vertimal. The hatat wat barer, and powned into a lomgat pointed romut, ratmbing that of the cracmile, excrpt that the on hit was much larmer, and hat the matril flaced Flone to it, is in the whale, and nom near the com of
 seriex of powerfil onnal teeth. Inged elore tore the in a continums erome. in whirla the divisinn ion surkts, which exist in the erocolile. were ind cated ley the wertimal ridges on the maxiliary home. The teeth wre hollow at the ront, heathing the

wone teeth, which wiethatly atmoned the hase of the older mone amil, an ther grew, presell then forwad, until they finally di-phared them. The
 any sulten shok ly ineins fomed of man thin lamy plates, which jumbered liwh and elatie in
 in the heal wat the " y ". whioh wat mot outy wer

 itself for vision in alir or water, an well as for





 athl, awisten he the extrumditials ehnome of light admitted in the later propil, wablal the
 distance in the olvenrity of the night, sull in the
 lants wat problably nat in the leat mustricted hathe the heal. The lazklonge wa- ti-h like: reach gint hat luth it-arfareo hathew, makimer the










had eallised it or fall when the ammat hatel lee un to decompane. The fi=h-like lands. the tome pathlen,
 iththenamiaction in their tamememt- and camequently, with their probatems batits, ven daturwo renemies to the other animals that inhahitend with then the Mesozoie seme. That their primeipal fond monsind of fishes is exidnt fom the mane of horken lontes imil reale of comtemprans fioly.... that hate lecen fomm umber their rike in the mane "Sere the stomath of the animal wa sithatent. Som infrequents entire sheletom of -mall inti-
 ahmominal cavity of langer mor. As theme mall

 sereley thimh that ame of the ichasorami wom visipitrom.

 of the reries fomm the hater Lias to the (hath, lant has ing their greate development in the l.ian and Golite. Sure than thinty -perin hatw laren ali-












Which may be moment, but are furelily repro Anced. Perspration is ahwas ahnent ar vers lpticient in the afferod areat. Thar diveram maty


 timal himuthme, and the wemeral heath in diten
 ohstimate, and whon oomgental may he commenteral as incurahle. Treathent comsists in the frequent ase of wam or vapunt or alkatime hathe wh at at

 on pumiee tome may fue conjomed with the hath. The appliation uf sulphar or rearein to the skin hita : ulan the oflect of promoting despuanation. The emplosment of sulphomens hathas, such ac thone at llangate, has ucationally wem fombly of trmparary ase : and the internal almanistration of tur, conl-liver oil, sc. sometimes gives relief.
ICkniald Ntreet (Lat. I'ie Irenieme), an meient lionan wad of Britain, which ran from Xorfolk sonth-wotward to the vicinity of Laml": Foul.

## Icolmkill. Nep lown. <br> 

Ironitull. an ancient town of Mia Mimm, Gitmated on the westem entre of the plateam that

 limmans of lycaonia, it wan three times risited ha St lam, who fombled thore a thristian chureli.
 It- properity calminated in the ent of the lith century, when it was mande the capitat of the Seljuk empine. In 1190 Frederick Barhatomat defeated tha' Turks in the neiphborhomb, and captured Iconimm. Some fifty gear later its ultans were
 in $13: 12$ ther shmitited to the suzeranty of the Otoman Thrk, thomg the state was not incorwrated in the Ottman elupire nutil 1486 . heing the meeting print of some of the principal high. wase of Asia Simur, and a place of consibemale trate, it failed mot to lignoremmently in the wat- of the Turks. In Ts:02 Itralsim Pra-hat de foitem the Turk there. - Clu modern town, called Kovielf or Rovirs, the eapital of the Turkish
 inhahtants, who live by rommerce he mation -torkings and ghase, and on the contributions of
 athd wher hols flate of the thwn. Here in the
 dorvine in the dothan emple. Numerons ruinof monger, madraste (cullowen). We attent the deated -phendome of the phace.


 buph 川品med th the we of sarred imase (i.e.




 a- to the wricin anl antiguity of the practime of










exm rommaminer the remmal from the charenex of all imbige that of wir Lom alone reepted. This was followed hy and hor hereme in 7at, which powithited, under jain of doath, an-inful and



 armsed great olfmition, we wially in the liowk
 Gregory 1ll. protental whementy againat it. repuniated the inputation of idolatra : ambexplamed the mature of the homme to imager for whel they

 Comstantine, sumamed copmomis. I noter thin
 Fint. in whin the ioworlat decrese wew athmed in their fullest extent : and comstantines sob. Leo N., renewed, on his. acrosion in $7-5$, the enactments of his parlecesoms. I'nder the widow of 1,ow, the Emprere hent, it combil was heht at
 conlemmed and revoked: hat other suceeding emperars. Nicephoms (sing sil). Leen Y.. tha

 Heater or lons sempity. fo the forlioy of the
 the controversy may he sall to have heen linally betted mater the Empres Thenlona in a commeil Hollo at comstantiongle in sto, ar at least ing at -nlsempent me of 8.0 . The momern usalge of the Gresk 'lomelt permit- pictures, lint rejects grawen or seaputared representations of satere whimet. Fixent in Italy the iomorbant contromey matem lont litthe arnation in the Wetern 'lanely until thas movent in the time of "harlemagne and his sucressors, to be moticell under the lead lamitswolsilli.
letinus. Uf letimus, whon hare with ('iallierates the ghery of having denghed the ome perfer hathing whels the world has erm meen, bera bithe ean In stated with ereriainty. In ablition to his mastrpiece, the liatherom, the tomple of Apmbla
 religef from which are now in the Dritiol Musem, may be aseribed to lime. Ile is aton linuwn to
 to hase writton an exhanstion bratise mum the l'athemon, with which lix hatue i- intionduby

 from Phevia through Mysin into the Treat. The
 of mans ancent fired lawemb. The somhern bart of the range wam rallad damans, the himhet
 there was at bmald of Cheles, whe therefore wal

 Samamber There is almothe hat (sing feret) in

 mblatiod






 milus at the pan-hamer which fomother mon then prort. (1) 300 miles ahome the sobthem beandiry.




 In the enthen fata tha sange i- at futtom on the

 ithated in the dramare hatin of the collantiat


 the entire - hriac iv rused and mombatmos.

 a lirection renerally eat am: wet. Wi then
 noteworthy, as the reparate what in puphaty known as Xorthom htala imm the phath mand
 are high, thatir -ummit rathing elowations of

 is the valley wisuake liaver, which at lome ('jits



 font hange. de. I part of the flatean regho iforbled in the oreat lava howl which rexumed in connaratively recen geohngal times, aml which is sill moticethle in the clitts and mena that diversify the -mince
suaki liver-ator known as Ghowne, and in
 turritor: It comme (about son milen in lengeth) lien in a valley remarkahk fur remin heanty. In varion- jlana the valley witens ont ino how stramaha anseptible of a high legree of eutian tiom. The anoll valloy- altemate with mamow eamons through which the river lhow in dalle atm eatarats. Thin river in navigabe from the mombla of Powder lijear to sahmal Falls, a distanee of
 tributaries of suth laiser, drains the ventmal patt. Tha eharandor of it- valleg is momblike hat of the latter. Clemwater, l'ayette. Boine. Weiner,
 inumetan maink for the fortile lathds which liank




 thone of Niarata in Eramedor.
There are two lahor"ion-: ome in the ban handle the other in the vallatat. Tha formet



 athond in cano and ave prothen tho linat ham


Smone the wild thimat an the erikaly hara,









Vonetation is abmolat in the tanthern and






 dreat on heremtinom. Fir, tambink, athel latrla

 Ghan with sage mand and rollime land consered




The mineral waith of the state rom-i-t. chestly in it- minn or silver, leat, whld, and raper, por durtive in the wher named. The what of thense



 phur, and minerals common to hamatrime depments ahmod. Xineral pringe ate amarons.
The rimate is exceedimety healthe. The ax tron- of temperature maply mase hyond 0 and
 rainiall, abmulant in the north, is deticient in the -outh, w that imgation is nemanary to ensure fill cops. The atacoltural prometo, suek and fatm,
 of netesity combinel to the marnw river-valleys,




Thata, womstuted at iemitury in lsias. remived
 ther rank of state. Goll was tirst fomm in lase and raved in paying guatities in Isto. Thu
 vallo $\%$ of the sunth and we-t, was retmen at 14.949
 ahmat one fifth comisting of pempe of the Mormin
 mon incluted in the foresons. monder. The pullie
 wall -1plumind.
buive ("ity, the capital and larges city, hat in
 come next insize.

Idesteigh, Eufl uf, (omernative - batemath. hotter hown as sir Stationd Northentr. was han
 Ins, and was eflucated at Ehon and labliol

 (1) Dt Giadotone, who was then lresident of the Lhand of Trate. In Ist? he wan called to the har,
 iohth haronet. He was metretary to the …ln-

 parliamon an Comervative member for butles.

 matil 心a. Ile wan Finatial sumpary for the

 l'woulent of $\mathrm{l}_{10}$ linard of 'rathe. Ho hat ahtals
















 his tank wan rery arduons in combertime with the




 Whon land sali-bury ratue into power in kxis



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 Jurine him temure of aliop delivered an rexellomt




Idara. 'Thin word hav bume' rers distmet mean in:- in the hiving of philnophy. Down to Ha*

 etermal fumberi-ting in the bivine mind, acemed inger whind the worlt and all sensinte thing were


 Miltmi.

In - wathing of the mental representation of




 examble. Lacher, whos tater that lee hav alopitem

 mental impromion that we are supponed to have whon thinking of the -un withont sereing the artasal


 or immadiataly abor the thinge itmelt. But the woml hat been very varionsly med, ia lis burkeloy


 Hhw. ldealinn may be a theory comerming ow knowlonere of raterial existeme, rentrictinar mind





















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 at all; bles remainud armed rhildren. "The


 mever developerl. Them are meat satiodien of idiney amb imberility. Some of the lowert have an



 thimes. In buly sueh ioliots ame dwatiols. mis.
 f:ura oftor of the lowent of the lower amimals. with no power of walkinge 'Tlis lwing the comblitum ot the lawtel variteties. they rize gratually in the arale.

 wanting in shate serntial mentat fandly, in inted
 'The mental doficioney i- in ley fal the majorits of
 ing landily wraborane of where sort.
 for furlar development moler even favomable rif*11 1 -









 ated monments and simple emplosmants, smeln an

 thomeht the senses. some of thom hatronme fathlts.














 athal is mexdeal hethern them atm the ordinats


 and on the prowers of the whimars whater













 intwont atml hish indportame.



 (Jon ley deprivation uif the sermes. Fromethic it is
















 - Hall dropertion of time blions uf the worlid. Lint









 'rat Imbreiloty 157






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 the burtratit her banem maly the the motion of


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 the epirit lon! wad within it-interimp. and lemer : thy

 Xiantally the fetid of stome on wonl is tlar onte mant pa-ily tramformed into and ind and earls it

 the like. I neq stel is Laken when on the summit of the -tome or collaman there is shated al lommath leemb, like the homes of the Greeks: and
 follows maturally. ldals atre most oftean mote or le-s atiatice hatations of the laman forma. often
 power or disnity ; athl it iv it montwhat -thikiner fevelopment of ewnmereial 'haintanity that thete in an atotive bathafiathe of there is and own vily of Birminerman athe elatwhere, ta las sent ont in In!lia, it mety lee in tha same -ling wist the
 the equal of mans, and it is quito matmand that it

 atmanal tomas. lihe the manstrons ractions of the






















 ather Wath the ghit eratimners toreride in the lants. in in weme pation of it, as at hate or the knill, +xplains the phatompley of placine it statno of the deal man lwide hiv erave. The Mami
 wantrm imane throngli the insantation of a prient.
 hawn of that the nirgelli, thase repremotations if manter so common matide the (hathean palarer, had for their abln the ofter altermation Awelling parse to matisnant pitits. roperially houre of diamases.

I- triking feature of dolaters is it tembeney to
 deas. The promenes of the ane iont lewe to laps into the idfatyry of the neighombing races, despite the lofty romeption uf monothei-m: which wat
 still maintained within the white ramge of lalam, i- paralteled ly the modem Bralinim return to a biaction aldoment to the ancient Vender religiom, an well ats the miveral Baddhist alopatime of

 aren withon the rame of christianty itwelf sur fantanth :lmurlitien an winking and werping statest and the wriombeal lignefaction of a samt: hom -ixtem centmion dil are empeptions in
 presthon in Polyme ia or Central Difica




 and trablet draviclla's admimble stuly, 'Les origines de
 (ii. 1smi).
 land of Cumak relebrated for its gucksimen minn- (disonered in 149 ), is sithated 1093 fort above seathel in a deep, eadmon-wimed valley, on




 chutoren in lar makins.

Idris. at mathal ligare in Warl tradition,





 or mathese with whathatal purtic illaparation




Idring. Tere Finlal.














 mede of the worel la Temanm in his Idylla of the Kimy, which ate eque in thair syle and theamem, ami monatic amt tagice in their ineilents, it heromes very difthalt to sals what may mot le alleal an idill.


 usen in a state prism. Whe wore combinot anom-at others, Mirabean and the Doke of Drame ( Ohilif Egalite), not tomention ' Some ('ri-1o.

 lihnent of a dame in the ereaty sighed but wem the two comatrien an far lack an isko.

 of Homaria, in sitmated 1703 feet alme seat level on the river lalawa, close to the bohemina
 It has some old charthe (mur foumter in 7901 , 1to saphe induatrie. hate abwas heen the mam facture of cloth and wowlen goonls: slass amb thhary are alon manufatured. It hat a laug trade in com, las, wom, cloth, and timber. Pop.

 after whoh he was accelted an king ly the bohemiams In the 'Thirty Sears' War it was taken hy the swoden and recaptured low the Inprialist.

Igloolik, an intand math the ratat and of the Fins and lorla strait in the Aretie orem, is the phat when lamy pased the winter of 1 sed os.
 diplonation Was the son of (ieneral l'inl Imatioff. a bavourite ofticer of Mexamder II. He was harn at st leteramy on enth damary $18: 32$, and alluated in the conper af pages. In ls..f; hap

 t, linosia the fame powince: and in lstir.
 -romed for his comatry from thimat the subthern portion of the Maritime l'mome lyine wat of the dmar. Between the two treation has wheh
 tiedl comelated with Khiva and bohlata fom
 In ishit he wan matre ambinator at Conotain timple, at which rown he hat reprentan linwia


 In havine intrimed with the shat stato of the
 mation poreding lofore and atter the linome








 anguty hr endeanmed ta stang out Xihitian los









are wrapped in obapurity, hat from the lettor it may be infermal that he wat mot bom of eloris tian farenta. hat was comberted in maturn like, and that hic eralimg lite hat lemen maty as to lill



 (1) thes sailt. It wan oftell intorpretal ats - the



 distinctly that lematita hatal not weyt the Larit
 hishaps. and in lamomes revi-imm of the chememen of Ellwhils. he iv -tated to have been. with

 marturlom $10^{-}$. $\operatorname{lmt}$ all that ram he eatid with certaimty in that hin madtuatorn tall atomt 110 The letters shom that he wase combemmed to the widd beants at Antioch, and that he was earried to liome lis a maniple of soldies merely for the exemtion of hi-sentence. On the jommey he wafomed at summa bs remsentatives fown the churcher of Tralles, Hasuesia, and Ephems. Here he wrote four letters which are extant: three to the charches whos delosates hand met himb-the Ephesian- tha Masmeinns, and the 'lvallians: the fourth. to the ehnmelt of the liomans, whither he was homevinse The first thee arr mainly an cranel in enforeing lesans of dertrinal truth ant
 entires with tha thonefit of his apmonding hat
 the tiret and sembul to the ehorches of lohiladiol phia and smymat. which he had just visitorl the thind to Polycapr bishop of the latter. The enerall that treatorl are the same as int the lime
 to whont the hrethen at Antioch. Whe next heat of him at l'hilipyi, an we learn from P'ilyearp


 tions. lasomal thi- puint we know nothing mome of















 matrtrolont, whiol























 stant both in the fimpli inm in a latin trans latam. These thore it is now hanat tor ath the shont. Dielilte, and Lemty recemsioms. As will ho
 that of Jiary to lemation three oreome in tham dithrent fombs, four in two forms, and the reman ing fise in nom form onla. The Lrmer recension in now maversally condemmed as -gmioms. Shore - rion- $i$ - the dispute between the remainimg two which are often -poken of. from their editors, a the ('uretonian (shome amd the Vomian (Mudell) woinns. The foretmian lome held the field, but the gemminmes of the Vimand letters is now the prevailing helief. and is esery hay gaming eroumd. livan lightfont beyan ly lielieving in the ('me tonian form, hut aratually fomm that the gosition lemanded too much ineromity fomm the lymatim forger. and at lometh, induenced ereatly ly Zalm, fanm lamstit emmpelled to helieve in the seven Vowian epistles a- representing the gemuine lematins. Indeed the primity and andotimtial
 lie proved, in sof far as any question if the himd can he proved, by Lightfort's work: and with this conclusion une of the mailin lonttressen of lithe: - cheme of the formation of the (laristian ramon :and of eatly ('lristian history emmerally falls to fla eranate.
 wan first published by the lier. WI. Cureton in lsis, from sas. recently bruanh to the Britiola Blusima from the Nitrian desert. Not only are the epintlen tewer in number', but horter and more abrupt. 'Ileon upholiters lefteve the dreek form and expansion and eorruption of the lust firek uromials of these syriac letters: while their olpunent- thinh the syriae an ibridgenent of the ireek.
The Midtle Form was first molinhed in the Lath

 the urienal (ireek, by lnac boss (Amstertam, Jetho


 ople in 17s.3. These may now lee acecpited with anme confindence an the seven epistlen of lanatius mentumel in Eundmas. Whach were tramalated uto surace men after
 an extract.



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Sain. the Kimian bettom are fomed th be

 ont is the acermathath of the twofali nathere of
 ai the epiompal ather apme delinitely in the
 ahridgant mot hatwe heen mate rather for

 worth maintaines, or for any other dowtrinad pmoner. In -hort the abribument theory in math bume mional and easy han the expamion theory. and if we atre toropt the later we mast
 wa- a promioy of minnte whervation. of sulte imisht, of imitative kill, of halworme rare, which is probably without a parallel in the history of literary fomprise and which ambedly was an utar impowilitity among the ('hristians of the 20 and 3 l centuries.
The prominence and antlonity of the apiseopal othere in the lanatian epistles hat proved at matu -thmbliter hork to mans selohers. It is certainly anllicientiy alar throughont, vet it is meraly in the anherliment of the idea of order am the enatant... of maity within the clumell. It is mot mplelif
 of sacerdotaliom is absint, as well as sud an argmont is that in Irenaros, who lays strese on the atometolie sheresion as a seemity for its fathint famomision. Noris it autoratic ly any means, while it -pread is not rot uniform themelomit

 is :amont, and nowhere is there any trate of the motion of a divtine diocese. while there is no referene to any developed ritnal of pulhic semice. Sis of the elpistles are fall of the meresity of wholience to hishops, which is alone wanting in the seventh, that imbersed to the Romans, whe it may lexitimately be inferred hail not yet adonted the fonn of gavement which lanatin- elsewhere commended with uch warmoth.

 fint!): the works in his suplurt hy Bumen, A. litechl. Li. A. Lipmus, and those wainat he theory
 any recocion. I fatal how to chretme themy wa-
 ofu futiochion (1573), which wom wer Tipnins, and now






 - halar-hup.

Ignatias Beans. Nuxt, tha -ande of the








 thome of ater remzion.

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 hoinge that whinh is lawil om the mature of the





 rexh- ind Mheine and Scremtine rocks.

 eontain little ar mone. They are dans divided into 150.


 ronk-aw hoherataline-i.e. connmed entirely of w-malline indredients. in wanite and wente: atere, yella a liparite and trachere, are onla semi-ry-alline-1hoy contain in adfition to crstalline





 impritant.






 is seldoun met with in this division: it neeurs, lowever. in dionite and gablro. The ather precios
 lifferentiated minemal matter. Vitremt variobes athon werar in this dividim. See livisut.
 - Inded mader this head closely ramblar the hatait



 -rmerally rather hasid rock- "lone olivine wek
 alithe an theig pincipal amstituent. Thes often
 pared in whole of in fat harerntine some
 into -























 (extruded, but ate buw expmel wine to the de modation of rok-hanots ratermath which thas








 -ist of rox-tallint (lasa thome) and fatomental mek


 axpent furiod. Smmetines they indiate the fommer
 fobm which it may he only a smede eruption towk phere : at wher timen thes ame ubiomsty the pros
 solvanic ation. Wamy bf the hill ranoen of central











 wif wr labisomite. This hasalt flate:the of the


 and in many of the wratom i-lably uf sontland





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 Smoreme ami the Eifel. Nom amd actain. homeror,












 miofil thath thone of the mock juat mefored to.


 Sr. Damon namally cover a comablerably wiler adeat than medko. and it has buan compentmed that they ate merely the mont hands statiol
 which molten matter was pumperl mp to the



Whe :








 thas latak :

 promed from them. /byhan atre veltatal wall lik.




 intu the sumomblines tratit. 'Ther fork mont ber













 hidehly motamoplusad.





 man that there in me satiofertory explation. Tha linlat menally : -hately after sumat : it i- common in the matho of Cimmany. in Italy. in the onth aml morth-west of
 then motised in many other conntrie.
berrigtinns of innes fatni vary so moll that everal diftrent phemomena have avilently luan induled umier the natue. The light mathy pe. -rmblan a thame aml in oftem mistaken at hirt for tho lisht of a lantern. lont aren more clowly the
 yellowidh, merging into parpe, hat never a elpar White sume ohomers doserihe the flame as lixed in position. shining smalily aither clowe to the Eround or a few feet alnow it, and illminating the -hrombling reed and sras. Gthers haveren it in motion loumbing ratilly orer the country, and -nuetimp rising hiofl in the air. The light hat furn een to divide rematiedly into several smaller hamer, whind deserime complinated moments. atvancing, witing, and combining. The moving light is satill tur reede from an ohserver who anmandes it, hut to follow him if he retirn imon it.

 seen through tress: other are alhos certainly dme ta) luminoms insects, such as the glow womm on ta the phomphomence of decaring regetalle matton. St Elmo- Fige (q.v.) hat alsib hema comfonmed with it. Bint setting all these posible caves a-inle, both fixpd aml moving ignes fatui have leen paved to wiot. The spertmon of the liaht hat never heen whatal, of far an the writer tath timertath. It in sial that patur lat. leen ignited by the flame and if thi ha. at thate mint ler at leat two similan phonomena of dillierent nathre. List in montlo
 atpmathee athl felt mo warnth; near the satme lomality at a later late krom heh the metal tip of a walkins-atiok in the limu of a tixal ignis fatmo (which he comld not himerli fund win arome of the mamplan a fuarter of an home hot the metal
 ait "xtimgunhed the hame and a very light "xpham wat hard whon it reapurarel ; in the batter at stroms waft of ail raly made it fichay
 Surntan wa perepptible.
Iltw ammen hyputhois that imni- fatme is the


 Tha

 matrow where hore is deatyme aminal matter.











 anmatmer in mans lomation may be directly araed to the draning of tern and mar-hes.

 aro comected with many storios of thatednes mis. tahing the mation list for a motare window, and bine leconal into dangerms hares, oftem with fatal reando. A (iemman legent indontime the will-n-the-wiop with the wol of an maptisal infant: an lrish, with a somb broke ont of lurga 1ory. Fur the folklone of the suliject, see fotes "mil theres. piscim.

Iemoramos (Lat, 'we do not how '), that word formerly writton ha a srame jary on the hack of an indictiment, moming that they rejented it. The word is mow natel most commonly as at sin onyou for a liwkilieat.
Ienor:ande (Ifmentution juris) is held in law to be bu "xame for any brach of contract or maty, nor for erime or ablier othence. It is ahmolutily necesan to start with this maxim, otherwise it would he guite imponible to alminister the law for if once a motrary maxim were allowed it would not only he a prenimm to ignorance, hat wombld leal tor endes and abortive ingline into the interion of a man's minul. lymoraner of a fart howeror, ; a ditlerent thing. Anotleer kindred maxim of the lan is that cerey man intemes the

 lue intendend to kill mela peram. Ro, if he leane a frap dom oren in a strect on thommatiate it iheld that lar intended people to fall into it ane lae ingured. There is, howewer, a doctrine called bom fites, which, in the case of petty alfences pmishathe ing jutieen witen tompers the strict :and rigin al bilication of the maxin, ignormulim jurcis nemint", fornatl: and pen in crimes a judge always take into combideration, when pasing judgment, whether the minomer or defondant was an finmont or in tolligent persm. - In Citholie therhoge a man inever exased iom sin, whether of minanion or ut crmminsion, on the plea of ignomate which he can

 which : man muld not lielf or akite, illugetloct "x.anes from suilt.
 in the lionam (ithonlir Charela denoten to the

 く1tur.















 all chatarterised lay a mamialal head, at penth of - Kin moler the limeat, and an urrisht rombla







 If the water, where it -will h mathe of it tatil.


Common Iguana (Iyneme tubervhens).
1t. flow i- white and temder, and is moch estemed
 somptimes tracked to it hamow ha dor traned for the purprese The egre are about the sike of there of a pixem. lut haw nur hatd deill, and are latid in the saml. Thaty aho atre ned an foml. Wther -quere of ignama and their ege- are eaten
 athore all prejulico. Othor imprant genera are

 chat, the marine lizard: Phemboma, the "homed

 Lonul. 1いの- -





F!e. 1. Fionit atml side view of at "Timoth of tho lowel" jats iof the

 ex. and the Lat. of Wi,hit Hatas ans uther serma af iturnciaterl - antians. Thair -imonlar -thar.
 hathy imjontant pationtat- frasm
 tilo. lone camond areat diverats

 tim. ln Man 14.ll. Thatir oninj.






















 ort ul at Draseth from then material tha hoight is 1t beet ol inchor: the harizntal leneth of the lundy in a half tamding attimber e! feet.

 wew without teethand angent a hollow, hak like


 anithonel bimmarians (of which the l-wame
 hral coltume lat juinte - lightly coneare on luth -wfares set hal lofty nemral arches: and the -actum was combreal of tive amolofored foints, at -trncture fomal in mother reptile. The two fore leys were suall: the himer limbs were lons ami thon, rainis the looly some distance from the Ewnmal. The ley terminated in a threa tued font
 on the amillicem. Wealien hed that were for onne time con-sidered to lee the footprint- of hase hirl. The teeth of the bunanolon. While herrine









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 for onne varar for the throme of Fratace：ond of
 lyaty Ge fituret De－le－Frane wa for moty the mane of tamitins（q．e．t．
Iletak，：fown in the linsian govemmat of Grenthry near the emthene of the llek with the Iral．Pope ater．Close by is the richest salt－
 ailt immally．It was diecoverol ly Pallan in 1769，and sinited hy Marehiom in 15．00．
Hentil．Se hmestons．



 of Eumperal of the morth of Sfram，oftem atain－
 planted in Britain．It armws in andral cinaly on In－mall gromp，and love the virinity of the wat

 tran the－izo of a shemeleaf to that of a beerl，amd


 i－imbligumb．It－wond is very have and hats．




 of the llally（q．v．）．




 if smath levom with the luating frehumes of the

 immally attrat large mombere of viturs（In the












Ili．Sm Kil．．．





 Hat ilh man．It j－till hot monhomen in soot
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 that ibs i－howere contantly hat ：lowils and







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 ware．with coal and itom minte in the simity． In 12．5 atharter for holding a mashat and fair hate wa－erantod to llugh Fity－Ralpla：and in lase



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 （ 15.21 ） 11 ：（ 1899 ） .567.
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 till it tall－into the bhine 9 milen bubw Stanhus． It i narizahla wer nearly one－half of it combe．
Ille－et－Vilainc，a maritime Fremely depat－


 It is wated whelly he the Viam and it－tribu－

 Eranite platan travered by ramon of low hills．


 i－celchated：the homes of the elpartmont atre

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 morals, it should be remonthered that a high promcentare of illergitmate? maty mom that thete is mo prontitution.


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 matinn of rhilhren home wht of wallork: amb the









la lredand we dind at bay diferent -tato of atlatia.


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 tenth. Lambomery camity with abmat amothes temth. abl Antrim with abmat one-difth of the


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 rata was so pra cent. Were betwern lifteen amil

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'T'" tman now to lintish eolonies, wo shall lims
 beat in mind that hirftrates, like marniage rater.

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In the followins table we show the comparative poralome of illegitimaty in the prinemat fom citipe：


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| 31 Prermbiaz | $\cdots$ | Chantainmat． |
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Nome of the athere figher are preanden at athen
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 romine of that fart，nim of the imporencht re－ baded in the aluna tahle．In Emon weratly， althomeh unt minomally，there arems a temhency fo derrease in the rate of illegitimate：but haw

 impnaible tosay．
lat the perionical relurt：of the mespective regintram－ general will te foum fletails referrime to linglinat，suat． land．and trelaml．The liotomea fien homb hy II．II． Hister，gevermment statistician，may low walteil for the
 have hem compiled from ofticial and wher sumpers two bumernas to mentim．Informathon alnat illo atimacs in given in the ．Sramal th le Socite de statestique de P＇uris （24th and 3th years）；in Procediminutos dot Dh porter


 （xisf）．la the dommal of the Jonal statistical somedy
 on the sulject．Aree alsu A．Lettingwell：s Illyitimacy


Illimani，one of the primejpal momntains of the



Illimois，the seventernth in area of the lyined Stites．but the third in purnlation，wimbls from
 the N．：anl XE．tu the jumetion of ms．b．Lument
 the extreme sild．a mistane of mearly 400 miles． It is hmmed on the E ．he the state of haliana， foon which it is partly separated he the Wibisoli liver：on the $s$ ．it is sepramed from Kentmek． ly the Ohin：and on the WI．The Mississippi thas： lietween it and the stiten of lowa aml Misomuri．
 ami Water．
＇The onfater of lllinuis is the most level of any state in the Ithiom，except Delaware ond Lominamat and its wide grawy plains．thongh hroken hy nmmerons streans frimgel with belt of tine timber， lave sained for it the name of the lowirie Ntate． The Trainage is towarls the woth－wes，thenelo streman which llow inte the Misoissipi．The Illiman liver，the largest in the state to whicll it ：ives mane，is fomed ly the union of two areams in the morthenot of the stater，about to miles mothe
 of about $5(4)$ milen in all，joining the Mimio sipfis milo alove the momth of the Misami． The fertile ail a heary lobech lam with a
 coltural sate in the lonam：and llimain rank
 famas．

The ammal value of the primeral mop maise， nats，hay，wheat，potatues ry，harleg，hollwhat，
 －xtensive rine varal in the state，and word wine is

 the lamb．Homey and wax an ohtamed on a lange



 P＇mandrania in thin report．Nearly a lifth of the

 mand in the delien rexim in the moth rat，there are some ton collicrion in about lifty reparate

 perame．Thereate briwe apings in the vinth of the

 tho last fomml near lanediape
 for cemmeres．It har formiter of mavisable viver：










 for four beats．the indern of the supreme conrs


 th provide for the penresentation of miturities． Ifwenty repronmatiow ates－rat to the formeral
 The－tate mamtame twor mornal－chomb，an angi
 brexifes these there are mans other roblemen amb aniversilios．I compulamy ehoational law i－in foree．which ratuine chililren letwarn the abe ai eermand fombeen to attrmi for at leand six twall weks in the rear some pulatio day achool． or－whe private sthool tatelning the hanne hem come monly tamelt in the pmblic－rhond．The mont




 papil．The state chartable institntions ineluth． fome lownatas for the mante．al Elyin，Kankakew．
 and dumb，and anotlee for the hlind at Ifackom
 athome for the orphem－of－hliters at Nomal ：and


 the statr hate an andhbohop ame three bishops．

Formory a prart of the Xemplewent Torlomy

 the fomatal law at that late mate at pandation


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 Whe of the few means of rosbmatimer ynatntitatively














## 





 are amplased to ane entain the mondur of illiterate－ （2）ther mint complett reanta are aflamed la the enameration of tha men and women what wh the actasion wif their mamiage，are mable to－ign their namme in the regioters．On this hasis we hats－ibe


| 1 cantry． | पeth． | W．enem． | 31．${ }^{\text {a }}$ |
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| Soutlatht． | $4+5$ | －亿 | 10.46 |
| 10－latar | －33 40 |  | $\because 3$ |
| letartat． | $\cdots$ | 1 ：－ | $1 \times$ |
| Newsmath W．ar－ | $5 \%$ | ＋ | $3{ }^{1+}$ |
|  | ＋ | 1.71 | $\therefore \square^{2}$ |
| Sultl－lantralai | 34 |  | $\because \cdot$ |
| N－w Lotaut． | 1－43 | － 1 | $\cdots$ |
| lrunsla（1004） | $\because \% 1$ | 511 | $4 \cdots 1$ |
| Framee（150゙\％） | 14．0！ |  | 1－50 |
| 14als（1885） | 4： 3 it | Mi－2，${ }^{\text {a }}$ | ぶった |

It maty lye stated that while in Englamd amb Wrales，in ls $63,23 \times$ per rent．mon and $3: 1$ per exnt． women signed their marritue pryinter bex mark．its
 40 ger vent．women．In sentlamin in！the pro．
 wommon，while in several comaties all signed thair namess．In trelaml，in the sinne vear．ilne fon
 women．（B）The shbogomet table wives the manamer

 emseriptime in infore：

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－axing（1こと）
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（1）Humath a lo－d



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| u：， | 1taly（100． |
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 mation in belwimm. in the later half of the
 -ivers to the order of the Illmminati, fommed at
 abame all the fatholice bart of fermany. It
 af amon law at lugulatalt, at tirst ralled it tha Wrleg ai the Porimothilints. Filled with dratentit tion of donitions. amd impatient of the teatraint




 for the fromation of ratiomal amb religion- en
 wor hip were rejecten ; his religion- systell was
 prolitionl amos as well. in that the members of the lideresen of the melors into which it wias diviled wore phengeed to the turtherance of liepobliean "pinimas. Implicit oherdience tor the ehief-ui the a-sulation was mo of the liret law- of its rom stithtion. That aceesion of Barm ron linigen (1) flar mew orrew. inm the support which it



 Niwhlai. Vmest 11. af (iotha, and Karl August of
 174. The ambar hesan to be openty demommed
 La the Elector of bavaria fom its smpresoions amb





 riew

Ilnmination of Hannseripts, the art of painting manmseripts with miniatorss and umat mento ath art of the mont remote antignity: 'Tle Earsptian pappri containing portions of the laitnal or lamk of the bead are ornamented with , aritable drawias abd coloumal piatures. Except
 were -rintly -


 pertail painted on their works, ame ratir- to a

 of :

 and matheratod with virnettos or piothren in the



















 ated of themated intial hatma mommented to the distimsuinhal from the illmmimated or painterd broce placed at the heal ai lisazatiar manu -ripts. Originally they were not hamel than the text, or more colomed : but the Sitriac mama -ripita ai the 7 th enentury have then with it
 -ize and shemenur from the sth to the |lthernturs, when harere intial letters, sometimes dewntated with lithe bictame or miniatmon, came into fandion in
 of the tianmes mixed ul with the amheoghe orma ment: aften referred ta thr test : warimes and warlikn gromps of tigntes lejag intondaced when the toxt referred ta war, sumblimal reprondia rions of hell where the ehaters following treatod

 thes wore mast med in the Sth amd :he centuries
 :atmin the lith to the last deramene of ant-the
 was used as a hacligroumd bon letters amd miniatures and su finely wem these harhemmato "xemoterl that they aptuar like plates of molid gedrl. The art which thorished in the eastern and weatern empare pasod wed to lrelamb, and
 illmaniation. This stale, which emmsists in a
 terminatins in the head of arphoms and other anmank, secma to have luen derived from the later pattern- of liogatine art, seen on mosilico, hatial pantinges and other ohjocts. This (eltie otrle in finely exhibiteri in the remarkahle Js. at Prinity ('ollere, Inhblin, kown as the 'Book of Kells. which is believed to be of the !etrentur: The minnte size amb momber of the interlacerine nit $i$ quite wormerful.
 Dmbam limo in the liritish Mnsemm (cott. Ds. Aerull. IV.), which is only aedome to the liowh oi Kells in laeanty. It was written hy Eadirith, Bishop of Limbisfame (died $\overline{2} 21$ ). in homont of st ('uthlert. The varinns selome of art in ther mindile aree fomme their homes in the ditlerent
 exhibited in the Iberedictional now in the person
 This was probneed at the Ohd Dinstar at Win "henter. amd was everuted by dimbemam lafter
 oi Wimehester (96:3-95t).

In the toth rentury a men s? le arowe whide wat listinenished have the polnsion of its mothernta lons. int rieate moda of illamination, amb almolant
 at still mare deforionated in wrotern Fintore. hat





 Brambal IIS.
 danghtel Bumy in l:a?



with the famom- liediond Mi-sit int the lBriti-ls




 of ('hni-tnas Eive l.430. In thin anm rentmy were prombed the emebrated choir hoolon in the
 Liberale dat Vernal, whatere paid for thoir worls
 -pecturn ont the work of the ment ratatry i= the Fook of Homso of Ame of lirittanys wife of Lamio
 Groblul. The arti-t to wham we are indebted for this pricele. momment of Fitench art at the
 (14ラ-1.52l).

The watal monde of froblotion aloptom in tha seriptorime wats for the seribe to rula a space for his text in acembame with the wheral denion, sumb to write within thes linits. We was followed la the illuminatur of intial-. fomlers. and ormameltal ancessuries. Then amm the miniatmrist. St Darinl. the patron aint of $W^{2}$ aldo. is sad to have herth an assidnami illmminator, amd amomis the most celebrated miniatmrint mas ba mentioned dionta


 century. Raplaman and Jan rati Exak mindit les athleal' to the li-t. 'llbat splendisl eximple of Flemioh ilhmmation, the Franeiscan Imeviary of
 attrilute to Mamlina, hat hatm inymirien have proved that he hal arthinge to lo with it.

In the reign ui lami XIV. the art hecame extimet. endiner with a syle of paintiner called - momecte gris. it kime of monoshmome in which the
 emmate haverelied. Amsmer ariontitl mations the I'ersians. Hinlus. ind (himene lave ilhminated manuceript- of ereat heanty. none of whi"h. how. ever, cian combreter with thoze of the wentern nations in ambinlity. Fing leanty of design some of the Arab mamariph ate Mamones hat their antiguity doe not teall heyond the lath remtary. The Chinesp buhlhion- liano alsn illuminated

 Ioritish Musemm, hav a text sphemdidly printed in silver and andel letter on a hlote gromad, and
 macerated lawie of the foives Iminot.








## 


 which are furmy -athoctive halluabations, with no







Hllastration of IBooks. Sine., man tirat









 illustrations. lutlo piatomes and text heing printed


 tiftern New 'Tutament pietmer, ficeri by the same
 Dacarin lible (ltin), the time lowh rompletals printed from movalile typer, many of the engien of Which were beantifully embedinhed by hand, wamold as a manuscript. till the momber of rumis


 havine the secrel of printiner.

The lirst edition of the shmentmm htmmmen sal.
 14t\%. is sulplosenl to be the lirst lionk in whieh twor liflerant rohomed ink- were w-ad on the samb pases: ami tho mammental capitals in the loaltem
 mens of printins in two colomes. Probably the
 tions hasd thronghout the tist wats the Fiablen of [Clich lonhner, isumed ly Jllurt l'lister, pintar of limberw. in $1+6 i$, which had fol engravinge on wool. In lialy the tiret known example is the
 main, in linme, $146^{-}$, of which thete copites are still known to exist. The most artiotic lumek ut this perind was eprtainly $n$ volume un military art
 Matton l'anti, at Verona, in ltiv. The dexigns are in ontline aml very cleverly drawn, thongl poorly engraved.

The invention of the methmi of printimes fom ensraved (intamio) plater introdnced a new factor into lookl illastratim. It Memter sionfo di Jin (Florences, H5:) was the tirst loow, fonned witla illustrations eneramed on metal.

In the heniminer of the lith century many busk were heantifully ilh-trated hes pictures in chiar:
 on wool, printing ditlerent shates of the same colomr, :-4nerally whe, brown, gray, or rest, man of the ontrinal (lrawings heing ly 'f'ition, haphati. lambigiano. and other masters. . Joont the midulle

 stme hask: : and from thi jurioul atrogele for
 finally rexultmin favone of metal at the mal of the irnturs. Wons-engraing detined till revived ly liowiek, and motad-chorraving and etel-




















alvantage of. liemg mbith deater that atore
 pocess for lusk furpon- its spowal adalatality for colomed work withe it ereat atrantage on or it. rival. In Fugland lump ilhatation may he

 of the 19 th entars. In the series of ammako ket ${ }^{-}$ ahos and the higher-daw lwohe illontrated be
 vival of wom-engrating ly bewiok and his puphe Gradmatly le⿻ to the restomation of that art as an illustrating medimm. In hin was areatly aidnd los the farifity with whid wool marames can he printed alons with the text, twether with the ashane made in tyograndic printins. The serico
 Sir lobm) (iblhert and lisket Fower had no small *hate in that alvancement. Among the artixts who have helper to mase the art to it onesent high bosition may be mentimed Cruikinank. HI. K. Browne (Mhiz) Doyle, Lecell, Temiol, Millai-, F Wablor, W. I. Lintom, Horkomer, \&e. The derelphent of what has heen called the Ameriean andool of wool-engraving has still father inereased the inlluence of that branch of art for illustrative purposes.

While Photongavure ('. 5 . ) threatens the limal in finction of stemengring. rery many processan have heen inventid to promber relief limiks with a view to shersente womberbraving in lowk illostration. The olject amod at is to reponluce Irawing in line or wash, in facsimile, on a relief block capable of heing pintorl from the surface at the type press. That is, the linex or parts which imprens the paper are to be left in relief, white the white parts are cut wot wo an to leane the paper umprinter.
What are called "process relief Hocke may he Wiviled into two kind-- thas repromeen from bhel and white, or line drawins beren and ink, and thome from half-tme photugraphe on wanh Arawinge. The former, as lusing the simpler, wis thath tereribe first.

The -implea fome of it is when a dravine is made in transer ink on lithengraphe tamster pipar
 Hraving on tond on line engraving con In pot in transer ink. This trander drawine or proof is trasimed to the pali-hed surface of a zime pate in the orlinary lithouraphe manner, Kine is semerally uset, heranos it is cheat, and is reably goluble in etching acil: hat woper is sometime used for very fite wark. Dfor the tramfer the plate is wetted, and the lime are inked repeatedly till a thiek coating of ink eovers the limes of tho drawing lowileral axphatt, or other similar bhetance, is then dusted ower the phate, whirls is renthy lpated till the asplalt is incorporatel with the ink. The lack of the plite athe the othor purt- not rupuring to ta ethen are covered loy varnish, : mill the pate is pat into a lath of arrid for the waroveral part- to la. Whed away, learine the line in relief. A- the
 mine the limes and tinally eat thenin afl altomether, the plate is remoned from the hath after al wery light melhime. It is then wathed and wently hamateal, whinh ramos the aphalt and ink to min



 rumath aml now num. The phate io retumed to the

 yu-
for the find patts bumb the ething of robling motion is !iven to the hath to make the arid ate fore equilly and allow the homber of gise to treape. Tho larger white parts are gemorally "ut deepre afterwarlo with madme drilh,
When other than tranders are th he modured,
 other drawing in line the sulipete in photomphat to the required aze. Here this prome has a docided ablvantage wer that jurt dereribeh, imasmach as the traving to he caper maty ba mate of any convenimt -iza, while at drawing on tramafer paper mant he of the exart size requirel. The flamo graph heing obtainel, it is trated a- for a phot
 thane, and a re-transfer haken to fat on the zine which is then treated as alseady demeriben. By this procese a litthe of the shampens of the drawing i- Lost hy the repeatel thanfers, wery one temil fing to thicken and har the lime a little: a more direct methen of putting the drawing on the zime in as follows. The plate in himly amb evenly comerl with hitmmen, hichrmatised allhamm, or other mblatance semsitive to the ation of light. A very strong photoryaphe negative, tahen in pevere from the draning, in which the lines are Hear orlass and the lights ats dense as pumble. is gut on the plate and ixponed to the hight. The light acting thomsth the line on the negative rintor the cormponing parta of the woting on the riuc. to it sutbient extent. insoluthe, while the lisht parts, being proteral bey the negative. ean la Nisowsed out ha a raitable volvent in the case of lithmen, or wathed ofl if the athmen methen is used. The trawing is thm left on the zine in litnmen, amb, as that sumbure in a gome probetive against acid. the flate is etelued as altenty doweribed.
There are also sweral gelatitn, prowenc. now on two of which may le shorly deserilod. In the surfled grlutime poressa phate of glass, coatol with a blom of hichomatised selatime is expeed umber al negative, fom a lime drawine, and atherwads
 nom hey the light will swoll up sultirimuly to ahbw of a cast lome taken which wiol wise the lines in reliet, or if the phate be pout in het water. will be removed altogether. lencong the line in relief. Wr, if a photo-pavitor be pat an the tilm, the lines will he left solulde ath mat lee dimensed
 relatine processes, howerer, the roliof is wry has. heated white parts have to ln mante "y "illa heaterd was by haml, whel is at wer demath


 There ase an andimity aid.


 tion.
The provation of relief hando fom medinars
 and white is a mach mope indicat mather. In





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 tween ther lons and tho －गーitibe jlat＂in the
 ：umb when the expmoner in hialf emmpletorl the ap is put on the lens，the limel plate is taken mit amd put in with thr lines in the revree limertiom，thas
samb the expsine i completerl．The reandatit

 lines，thas whiliner the meorsobty of ehanging the forition lurimerempare．Thes are erame fillo．


 to ，oire the ram－ofledt．The line may vary in


 －recial printime i－betbiberl．


 the line procesc．
In ablition to theve plotrecheminat proceres．





 with athan or dererated wax．on which the lines are
 away the wix thwn to the metal．Letters and worils are stampend thomely the was with typere of varying size an maty lee reynimen．＇Ihe was．which is of contre fory thin．i－whom tor belting other was wer the－brfare with of hatted printer］metal tonl．This stream of moltal was is kilfully pe－ vented from rmmino inta the limen or letters，inm when thark enough to give sulticiont alepth to the timinhed block，an elemontroue in taken from thas flate，in which the cleamal sumber of the braw form the ramed lines and the hailt－up was the －unk or white part＊．Thiverectorypo i－the print． ing block．Namy of the text hatio in the present wom are execoted hi thi－pmoen：thon in Val．VI．

 enoravine amb etubines．lat wompally they are tom teremieal to low hetailal fore atol we hater
 $14 \cdot 4$ •






 repidity with whinh they rath lue ponluced hav


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 pigment－have heen mad for the pimpors．Tlar
 frablatim，as the reduction tomb tar refine the






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 －tipple if comere，whliterates mmels of the detail．

 who muler－tand it reprimements，it in eapalope of
 with a litelity relelom reell in an eneravin！．The drawing may le executed in lamplatek amb （hine whe whe on aty pare momochome．
 that it has hermme almon the miveral menlimm fur ardinary lumk illa－tation．


 the reant is sommetimes that inn spinitlas，wilh it
 no＂htir：even the himhent light－ate conerem with
 hand ensravine on the blows，in arder to restom the vigom of the ，lrawin！ more or las likn a gam womd empravime．

The latest hevelophent of the proces is the There
 colomed whints，ajte by thi－methal reprohbced and pinted ha means of three hlocer，pintel with mil，vellow，ami blae inks raportioply It is

 have lofled in it development By meatm on





 －imile of the orioninal uharot w atrawing．Mans wor lise devimplas of the proces hate ineors pro disem，in which exiry tombly al the hash in at




 divappmintinc．


















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ther were the lant oi the perphen of the bathant

 ar Fighlamun. in the wall, wa- the mbly pint "henete the ray- of timek enlimhemment comb

 Phamian in their manmo as taltoming their

 hiph sumose them. For many yats they rem
 the early hing of Ilamedonia ; they levied tribnte.

 ander. who anneved their country to Macolonia. In the abl contura, after the heaking mo of the

 -inas. It lensth the patience of home wan ex

 dian. Fity sear later the powohed a thiad war with liome, which revilten in thir defeat and the incorpration of their territomien in the all-widerions repmblic. Siverthelo.. the llyaians onls romrented to be civilived at the swond- point, thes
 the in as tas. Illyria wat mate a homan provine.

 -buerons to the state, as lamilus Il. Aurelian, bimetian, lrohns, and sume others. Inder the bule of the emperors the polition inportane of Hlly rit, of Hlymom, at the liomame ealleni it.
 -atembed as far nomth as the Damber, and even horomel it, aml imeladed Nomiom, lamomia, Maxia, Thate and bacia. Comatutime still find er endarand its bombares. and made it one of the four chiof divisions ai hiv ampire. lint when the empire wat livided hetween Bat amd Hfat, Illy ria wav alom divided. Soriemm, Jian
 barthat, and inerpotated with the empre of the




 Hibu. ath ntarly all tratere of civiliation di-










 In istti. Whan they were reatomed to Anatria. this

 the kingomy of Illy ria. lant the dowisnation wion



 matern staten or powine will whids it momt Heath coinchlori.

The matue lly bian is alon mad in thear other


 the Semann or bazan- In the lath extury the
 bertion with the idea of the mion of the sumblem Shas the Servians, Cratians, and shomian into a maved hlyrian hinadon, an inhat whim seobr- lo hase bern firs mate rement la laj alome ixas. Illyrion literature is sometime wed when sendian literature is ment : and servian literatme in thin -rne indmede falmatian on
 The mente of shakepreare: Turffit Jight in laid in Illaria.


 rivers Shlom, Lavat, Ji-ta, amb several othere thon into the lahe. which diacharge it water through the riom Volkbof into lake laulugat The lake ahmumb in (ish.

Ilminster, an ancient marlot-toman of somer aratim, is simated on the las, It miles SE. of

 roper brimo and tile are cartied on. l'op, of (1:4ish (1931) 2967: (1891) 3183.

## Il Obeid. ser MeEm.

Ilori, or hlunsis. rapital of a Combar vate

 NNE. from Latas (on the eost). The prople.
 Foulah, and others, and make rloth, imme, ami heather. 'Fhe state is now practically at prosinco of the mpire of sukon (4. o ) : : ant i- within the arritory of the Britinh layal Niser Compans. The religion in Dohammedimism, with strming traces of leathemina.




 de lomini wate rector of Went thas. 2 mile


Imater-worship ( ir . whemelutiot), the wee in phlilie of private waship of aracom on panted


 in the Sew Tintanent ner in an!
 - lincoveret of the nes of stather or pioturn in the "omalig of chritians, whether puldi. ar priate.
 fomd in Tertullian, who appably the imame




 a man standing in the attitnde of pala, with omt

 "on-hip Gad. hat luen rewotls athoged hy




Juman catamomb, many of which ate of at late

 of the - womblical Fi-h. of ther Shap, of . Watu thel

 ami alowe all, of the tranl shephowt: and than

 rapmontation, the ase of whell. hawerer, it is mot rasy to iletomine with ammaty. It is


 (eptimala : mor was it matil atter the wabli-hnmat
 ater the contennation of the \othram heres in fing that -tathe amb picture of om Lowd of the linum lays, and the samta, were rommonly
 in Itals. Ant yet esen in the sth wntury the praction had alrealy reached of areat heisho a


 prantion presaided whels alled forth the rom-

 happ light- and ham incener hefore the ination for kio them reverently. aml to kinell down and pas herme them, Imt - mo went on far an to mahe

 ing matter -crapeal irma the imates with that - molari-tic elempat in the Ilaly Commonion: Thic no of imace hy thritian= wa- alleged as an Hotache to the enmer-inh of the Jews, and as one If the ranseo of the prose- of Mohammedinista in the Eat: and the exerson deveribed alano prowherl the reaction of lamereta-11 (y.v.). In the -romel Council of Nien ( - - ) the lonetrine an the the worhip of imate was carefnlly laid down. I di-tinetion wa-ilrawn letwern the xumpme worhip ui aboration. which is vallod leteceit, and the

 that the womp to lm pain to image is nut tho


 Ghbow i.e conly adrewel throngh them, or has wetam of theme to the wiminal which they popecent. I trange error in the trambation of thi dimek acte of the (bumeil of Sioes. les which it at, waren that the ame athration wa deemed ly that
 lrinity itapla. lad to a relpment anitation in France and tormany under (harlaname and to at combomation lis a suok at latakint of the

 "hiol it was loxed, was immeliatedy aftelwarls Lison low thll": ant premtally the Nisem



St the lien'mation the remmine parts anderally
 nombly, and -ticmation the 'athuli pration an
 and - \&











 aitur the Reformation. Thas, we fiml that Willian



 the mentom Aneliean 'lbureh the practiee is -till

 was protented abane an idmathons lay eno of the

 are entirely manown. althungh figute ai patiom Gimt- aml eninent churchumen haw orsamballs
 in timblurgh.


 wim-lije of mages. as thmoh a divinity iluelt in them, or a thoush ane [latholio] ashed ans ining of than, of trusten in them, as the beathen- dil in their inhas. It renews the Nieme lixtinction letweren rhatute and foletion womblip: the latter of which alome wheren we worship ('luri-1 amb the vainte, who are the prowtyon of thater imase
-it sanctions or perthit-: and it enntom- for the great ahmatage erpecially in the can of mole and unleane peotle, to he irawn tran the are of

 instructive records of the sirthe of the saints, amb exhortations to the imitation of their "xamples. and an incentive to the lowe of Ciow and on tha pratice of piety (Sose Nar an the Incontation of
 Italy, in somtherin femany, and in Frane, ate to be jombl inatio which ate proularls remtend an e-vevially -actend, and to wheli. Ir frame wherel hefore whill. miraculom- etliets are ancribed. bint in-tnected catholice dew late that the loge nets

 comtan emtions actint attributin: surh oflewtth any - perial vintue of the imazes thomselver. rather then the therial faith, rusulne-s and
 ly the recorven example if the merey of finl with which they are asmiated. Fon the monern


Imago. S世 NAET
Inâlug, or Imaru, the ollicer who in Whhan-
 devotions of the fatlifnl. In linters the intion alan perform the artmonion rometel with cir-




 is bume be the sultan of Turhey bar the













af lablans. It is lhe seat of at metroperlition of the Armet (harah

Imitatio Chriadi, a fanmon- hooh hishls














 mome of the oflar bitit- on roicen and it may los ather ariot or ime. When thr imitated prasing is repeated bote tor motre and wery interval is the









## 

Immandale Conceptions. The Frate of
 Hary is celehrated on the sth ef lhe comber in the Latim, and on the oth in the (irepe Clumeh, in which latter clomreh it is herld moler the manm of -The Conception of St Ane, the muther af the Virgin Ditrs. The feotival of the Comepetion it alf is traceathe in the (iveed (howeh fram tha "nd of the sth e+nting and in the latin dato from
 long time in the Wiat an to whether and in what some the conceptorn of the Bitwend Virgin Mars wos to be hed inmatulate, and in what semee the Dhomed Viacin heredi wat th be held conctiven

 neremary part of the homme the the thearat time that He bleseed Jother shombly heme to hate lowen at all thue- fore from the atall uf sim This might haw heren either hor having hew

 i.e. purified in her mother' womb from the satin of urininal sin: or lay the - till hishar sanctiteation
 sin. Wither before tha femmation of the rmbirso in the wambof hat mether, in an beat hefore it antuation han mion with the abol. Tha acthat




 Sixqia: han













 flumgh, it is trues at the time wher it wat on



 an the dambers of buth onimon in lita the andi Gation of mathal thamation and Marits, athl to

 that thag womla defomb the domes of the inmas chate compation. The (inmeil of Treat mends

 Mar. and renewed the consitution of Sival-If
 firther wowal of the diapute, wheln wached neh a pitah towaral-the clowe of the lith mentury that lime V. mot onls prohilited either sine form stig-mati-ine the apmate with the name of hemetalal



 on the Spani-la crawn to ohtain at detinite dedarat tion in fasome of the deetrine of the immatentate. annepulan: bint the pare agin refinent, rontenting himenti with repating the eometitution of Sixtu11. Il, inded, howerer, certan mew provisions: (1) That dioputants, in :werting the doctrine of the immandate ranception, homblab abin from awailing the "中mente doctrine. (2) That no me axept the member of the Hmanican order, and others orelatly privileme shmbly preme to do. fomb. ernin in piante dioputation, the dactrine that
 sin. (3) That, nevortheden, in the publie minn on whise of the chareh, no the shonlt intionlure into

 insolving either dotrint. At the same time Opinime wan arting atarlily in fatome of tha dentrine of the immatenate romerption. Aevanule

 that it shand he wherved as at holidias of whisa
 the epithet immacmate slombl he intrulneed into




 :anl an the romigt of roplies all but abolutels











## 






 Wamblamer and buarldof, died at the baed




literas watel at ath adturemt of the lammanta whom，and in the－－pint of that selome what the




 show mote oriximality and iewer hate of lamantic






 Work and one of the bat of ferman mondo．
 primed atpatataly when tha thite the thathet








Immisrationt．I mine the hait of Emigratim （IS．）the eanow whifl how bed tommigration and the conditions undes which mombento of pepmat





 immigration of llasment fonilion from liane th Breat Britain ather the wemation of the bisiet of

 a comsiderable bathe of the semitie inhalitants of
 manian，athe femman tow，has serionsly aflected the indn－tiad prition of latith－born womers in certain tralda．labla，attention was drawn the the

 of hark on the iwating－ Home of Comanom on the faction of foreix．

 the exidence aben it apmar that the athi－hematio


 sam－almot explanely of the follew fath，ta seek in England a rofle，imm rivil and relisions









 wation fon thi－work verim fron form iof fontern






 the nathonal resame．mion the brialaw withome
 hold－jratom－ly an the tradition of homatalits





 in Citat litata is an forth in the lienert of the
 and is to the etfer that althomeh mo immentiate


 in tha fintur．

Fian otherwine hat the ghation of immigration tran leath with in the luitod states．Dis an ant



 pu－m mable to take care of himself or horalif

 It is is， 322 en promens were sent hatek to their punt
 and 41：unden the Contrat Latome Sets memiomal
 The liability to bpatriation apts an at Aeterront （14 the embakian on prams likely to ammo under thar int．＇The impontation of forrixners and allons in prohithted in rertain cases．liy the
 1s91）prepayment for transpration of or ansist－ ing foncisn immisment mader contract for latwor
 to be malawiul．Any contract som mate is roid and of mo ellet．Foreighme tomphath miding in the luited states are nevertheless permitted in engase other torignern an private sectambs．sem yants，or dhmentions Nor are persman prewnod
 any mex imblastry mon entablined in the lemited Atates．The provinoms af this act lo wot alplys． to profesiomal artom artiots，lecthere or singers
 homeste servant ner do the perent any in． lisidnal assintine his friembe of matives to ani
 － t tran

The reatrietion of tha immigration of the Chineme into the I nitel staten dotes from the empletion of the weat tram－mbtimental railwas．Thrift，
 theraterned to hawer the wase of the Irivin and the

 thes arrive in the montry finter than any wher kinit of immigrant ：（2）that the mmaner of（hinme is greater tham that of ally other mare：（3）that they are intionsent to he werned he white menc
 （worpation to the Romblanaling rame（o）that




 （！）that tue lats anvening the whiter are fomble （1）he inatplimhle To the（Thimene：（ 10 that thes
 ani well lume ai the commmaty：（ 11 ）that thas


 ＇linka in lav！，which was proclaimed the bellow



 the intront of that rombtr．or to mallase the


Withm the termons themen, the gemmanent of Chinat agrees that the ghermment of the I nited Stitu may regulate, himit, or susiond such comina: or resindure that maty not abmbaty probitit it. In phramace of tha stipulations in the ahme
 this that, "in the aginion of the parmment of the lonitul stata the coming of thinese latmomes (1) this rammes andaners the gami maler of certain lacalitis within the tervitary therent. and it is emacted that the immixation of Chinese
 that time it shall mot he lawfind for at thimes hathurer to come, ur, hiving come, to remain in the




 ratithen tu unter the Conter states is Enily al a
 "xecoding som, and imprimen for wot experlin:une satur. Masters of ressels aming at lonited States ports must suply to the eollector of entoms


 dided for rofucal to deliver a manifest of carge.
Poblice pinim in the l'nited stater is lay mos means manimus on the Chinse question. The fressare. howerer. of the lacitio states has heon tow streng for mastame ly the Athatie states.
With tegard to the laws and requlations prevailing in the lareer British colonien, spare will unt memit their heing set forth in fletail. Ther fellow the pricis of facts and wiomems will he fombly neine for farther investigation of the sulyinet
Laws or regulations, if any, in the large colonies prohiliting or restricting the immingation of paper or infirm persms:
chumett. Siop chas lis of revisel statutes of Canadia. 1swe, sectimas 17 to 24.

 Das"ration , tatute, 1w
 lmmigration bet to make rules for repatriating paupe and infirmenersans.

Sinemakerl. Selstatute.


''rf"' - No statute.
Vililel. Sinstatute
'l'be laws of furwign comatrite respecthes the whmision
 in : Ietorn pusented tor parbatmotion september 1ssis ( E . blfis, byre \& Suttiswombe).

The law of the Instialaian endonion relating (or the Chinese are mbinimially the same as thase prevaline in the l'nitadstates. See 'mast, Vol.




 a deal, giving th a woman some ammity, with a


 rember : whereat, if it wate merely a lomen, in at



 - 1 In :

Immortality is the ambmed sioname of


ham nathatly asitaned the luart and shmmated the

 rine his intelleet at all. Thareligion of all eivilisent
 athanation of the grextion, althomeh oftom umber sery vane and matrobiliati forms. Some of the

 Hinduism the gend somplat in abomplom into the


 the helliof in a mome lite ovists in the bum of


 is a rlat rechenition of at duelling play of the

 thein heat in the sedhe of justire, he sembe the
 -rnt to duell with the gul of li.hht." Thi later,
 great dion : they dwell in wher, where thes liwe a Geasents life : the hadies they hase guitted will for ever repune in their tombs, whilat thes rejoner in the life of the supreme conl." hommeralit? is plainty


 timued life: and hace they built vast, tombs, and ambahed their lmolies, an a to hast for ever. In

 Ormasal and Ahriman there are ratured resular hierarelime of spirits ompaged in a propethat rom
 or ut dathes, wer which these spirits remputively prode, aceording as it has lived on the earth weil or ill. Whander has lival in puity, imil hate nom
 oner him, pismes after leath into the reatue of light. In the early beek pagamism Hatra, wr the realane of the deat, is the emblon of eloma
 herw, derlapes that he 'would mether till the women than live in pate- Elysimm. This melanelohs sew of the fature everywhere pervile tha hameric religion. With the prodrene of Hollomis thonthin a higher inder of the futher is fomblathatatime loth the poetry and phitosophy of dimere, till, in the l'latonic Kambers, the conception of immental.

 disemuses of the dartriue of the saml:- immonality in lingrage at once rich in fath thed in lavats. "The somb, the immatemal part. Incine of at mathon


 wherwise. Rather will hais he the montt. If it take its departare in a state of pmity mot semping with it :ay climging impritien of the lead, im!יmitios whin dhme life it never willingly shed

 and staly that is, desuting itedf to trins philos. soplos, atid stadyine how to die caltals: for this s

 of its own nature, ther raion of thr dis ins, the Emmental, the wise and the it low in tor her herp in a that in which it is tow trom biate and will


It is moly in 'hrimianity, hamerer, that hai-






 ible and modedidal. amd that fundeth mot awas,
 - 'hriotianity that the doetrine of the athl's ins.



 ollo 'lestanment vew ree the antiol. IIELA: tor other







IInolat. atown of Jtaly wn inler in the ism




 was born liere in 1494 , and din mont of his lifn: work in Foblogna, wheve he dion abmat 1550 .
 trehnieal wom formed on the anthury of incarnation, employm in plehari-the contmonsien a- eaty
 laxly of chrin with the consectitord hreal in the Encharist: limt latar suecially need of Luther's



 for any malawin ato and wherially for bigh rerimes and mishlempansur - committed ber frev and miniotoms of the ornom. When the liouse has reablumi on an impeachment rertain of its members ar*






 Warren Havings. 1 paton bev the erown mas







 the: Initme stato impeachanoth is a writem chaten







 -













 V'THAC


















 vate. In that cronse we find impletiali-hn in the panlitionat puliey of the eras- of liu-i:t a juliox which is supperasi tu imply romtimous expansion
 hamw in commetion with tionamas. dose not
 whitas In liommany the julicy - prame form the Franco Cierman wat, or ather fonn tho pemts peroding it. and it meant simply the mainn, on rennim, of the several (irmman states and people

 - Lapllied in the alfairs of the fnited kinglom
 It has later in we for a eomparativels fow yeat since abmot 15 -s or 14.9 and is Habally trated (1) Low Pamemontield (y.v.) That statemath wat


 commation with the leritinh empire, the word imperialism maty, however, her med as- combinim: the



 Britioh intuerialing are exproned mont ar lom


 bow applited to the berinlitume at Wratmimeter. is another rexpros-ion of the simbe vertimant sins










































 Ship of the "ompralls = roml in allition to hi- own futios. lıl: for hiv comblat in the rave of Nimemmat. He
 Tharlow all romenter in appowing the whole of


 : far Ftombl : mpture nt the lutare at Jmiens. Ilo died in his






 Stephen (12sil: and Mall: hroitish India.






## Implaviam. Sere I Iman y

 :




 1 mitrtro.
finporetides.






 firat :





 Lamban: while a writa al work lis Nomet wote













 devolopment uf the mighty att of the prat : atml thongh they hatse hore kimblip with these thes are alow tu he dintimgished from the plem-tio

 atme strioty semotilic atecurary in theis relatise tomes of whoms: In that menetion of tratition and
 mathar the imporsomints are at une with the fre

 mathes. the formor fank on her in her latar relations. and furtrat ouly such of ler salient
 inn these thes reniler har haswork of the
 the fre-limblatite lar impmosmints ate still mors hefinitely Geparated les thou want of able for


 itandifum monnos. -rimer only that whiela it lonhHenot. and that an for the lise than : athe the hathe

 lather work of mond of the imperesomists litter



 ence, wealine with the life of the jor hers ant the
 mombern costume. hat frequently lalhen intu dire

 impresionists are lo be fommi in the work of







 "Shilition in the (impil lallore. Lamen : alme at


 af ther athol.













 -ane for allowing hatil: imat thometh in mian

 mone -rimas erimos it is in the diacretion of the"













 -ndent of an aplifeation for hail. "ampiombent may he with or withont haval bilume. on it may luy

 and it is in the power of pi=n wornome to onta



 - hamter term. Jont in the ceane loth of imprimmomint

 Home forovetry in Enomathl. and to the soottish secretary in andlaml. for comanatation or leminomon.




 matter of comre where tha , ornviot hate eomplied

 at variets ui statntes: implimmbent is usually a wataleal witl the motion of at lime dilinceretionatry

 -endons in Enclaml amb the herit ant jorvin scotlamp are Vi-ited with imprimment. althomy


 ron-titutes it prersmal injurs. innl may be preated

 (wen immorent, compernsation maty be awardel to them, abong with a formal pardon.
 at llenal. Vil. 111. 1. 717.

## 



 fle forformane of the surithal laties attiaduchl to




















 lomether woth what are vallal the -matl tithors







 rato in which the intanination is mone than 11-11


 lentrall, in the 12th centura, intombued the prace
 down to the fuement ay the profammanm ut ins




 thon is ley no meam linited to bripl pmema uif at len sares anf of very simple stometno but is often carrest on with erbat iort. and in the form! and tor
 lant such pronluctimm when printad late mever
 Worthy of moties that the equator mamber of tha












 fint in foint of talent), ant more batel! the Sirilian LíNammina Milli.
fmplitationl in ume at the mast rommon technual


 whirl fombatre that all mankime are matres in
 Bmoneme : abl the momatise lantrinw of lan







## 


Inalliliolt.

## 

In Artianio Hortia i.e. at ther moment ont

 Sien Wit.









 uramer，sellonish－white，white hot，and lastls， whon then is at very high trmperature a pre polumane of the mome refrabible raw it heromen
 would ：apmar were it mit fur onrathophore（hang－
 in liguid，it is not hnown liy sibht in gate we have examples in the havergen flame anl in the condition of the air bavernd ly lightning or the
 see Ehecricic Liciot ；and for the incandescent gas

 forgently shang for pupas of aldantment．The mo of ando is prosistent foature in simery from the parlips times，and we still find them used
 ＂homs for the healine of simpes and the avertinger daner．as well as for binging on ratu or invokine any other howing that in mand desired．Solow mimmon are malinnont－lull－her means of whith ail deities are indured to spml sichness or data ulum pmomien，the lierker amb malignant side of mand wing ever a pront to the binitive mini a－the hemetieent．Such trulitional formulas show a marellomsly comersative lixity of fom－－a prof．

 time heell other than a dark and himbapmal to mo known fores．without the slightest elimmering of
 ment．Fon the same reanm ancient on foreign ＂pithets，and terms not merely minamkerand but not malerstood at all，are often fomen to haw hem particulary ellinacom－and we tima moderal
 and antiliedal words，the tralitional lawih manos． of demone ats Ammodai and the like，and a a a iblerioh of mixal Hoprew and biteli worls more or lows comscinusly confused．Eien so late an 1830 in
 lans of navization in the proceso of their fortume relling．The history of sum womd as the
 whon（o．．．．）thow great lixht on the methons of nowician－from the earlien ages down to the than when their abmatite disappared hefore the
 merely anome the low cisilised proples that whe

 and ritnal，and many fomman of surl relision

 they prephitiated or experfer the inalignant hemon－

 10）the metomemily of the liaklimes amit thin homblice of the llamis． $\ln$ ther（hitaserg the
 the womid given him her the herars task．In the
 wombs：ant mothing i－mom rommon in oms
 －tathore mirasto wromght by the remetithon of


 Handern and mon lewitimate mothols of healine



 han rewined a yrath it is antomary to alply to


on which are eat nine knote，and tied bumd a
 is putting tha（heal romm the atheted limb，he says，but in such a tome of wiote an mot to he heard hy the hastamers，ner even liy the ！emon operated 11＂～и：

$$
\begin{aligned}
& \text { Dul sollw lasinow. }
\end{aligned}
$$

Inc：armation，the wital hamhenal term for the mion of the divine nature with the laman in the divine lefort of＂lotivt．The worl incormeter first necors in the lation versing of lremane，and in the Greek father－we him ite equivalent sork－ mis and romenthripes．s．See lomat，dents，and Dtleys frectrine of the lacernctiom（1896）．

## lucias．Kioe l＇ERT．


Herense，a perfume，the oblom of which is exolved hy hmans，erperial！y in religinn wothip． The incence at present in use fomsists of sme resin． bus latere，such in sum wibanm，mingled with odor－
 fommata for at，abe every maker hating his
 Mibamm，Wusin，styax，and pewdered cascar． illat hark．These materials．well mingled，are so fiacen in the censer or thmible as to be sumbled ly falling on a hot pate，which immediately vola－ tilises them，and dillimen their obar thraigh the edilice．

In the Catholic Charch，both of the West and of the Eial．innome is meal in phblic worship， mons baticulaty in comaction with the entha


 estallinhed itself till the fith or at lean the ith
 is neat in the shmm（or ligh）mase，in the con－ －eeration of churchen，in solemm cometrations of
 lhe horial of the deal．There ate alow minor in－ Cemations of the celubating li－lop or priest and

 seneral incemsation of the whole＂ongrenation．
In the lieformed chureloes the ne of ineme was thandomen at the same hime with other prations which hatw heen haid asild by then an withomt ＂wamalll of somptare＂It hav laon merved by



 1－the marritg of at permon within the lervitieal


 fordered by statute patesed in the reign of thems


 chme within thear mater and is wid．and it mako


 Where then marriage ate Wgat，if the prome wore

 Findand that the sther man whin ：uply between
 1 a man and the fangher in an illogithate sion of



 to the momat reme of mathimb, and the remedy in

 gromak, not ouls make at marriage void. lomt the

 Whatrati










 only "ighteen left her lame to seek a theatrixal
 andentures - he hotonh heredif to lere relations in

 1-:-9. She then went to lirism, where she made
 and for some rearshe phayd in prowimed theatres.


 remained tor nige ware hat bever row hevond medinerity, an imperliment in bow fecelh, which
 a bat to hel promes. But hefne sto left Cowent
 litprature, and to it she dewom herelf till har


 plas, ber beet heing the comentie- of surh Thimgs



 (179s). She editerd the woll known Inoblatds Bertish Therfore (e-2 val.) a Mindorn Thentre ( 110 wol-.), and it Collection of Fiares ( 7 w whe.). biat her fame resta but mun leo dramatie work se









 Memoir hy Willian ball sent pretivel to a new


## 










 Sinchall Gardens, and in the winter at bath. In






 Wan lubld amb mandy, at time fall of ferlinu: his

 as a sailor.

## 


 a plane a ham may raise a weight which ber romht
 lot it- lometh, A1:
it-heioflt, 1:0, :and it-hate, 1'S, ber - leetivol $1: 3$, and 1프유: : and let rulline. haul of iso
 it and -nlatimeel in ponition lay ar ur 1013 arting the phame. W: hase mow thee inmor in equilithima: (1) the weinht, 11 , of the inals: (2) the resistance $\mathrm{I}_{\mathrm{i}}$. of the plane to bending of lreaking; and (3) $1 l_{1}$
 rabectively ponntimal to the length. Als. the lane, C', amb the heipht, IBC: and are thos, in the core shppand. peapedively 750 , 200 , amb 300 1h. 1 furce which womh, if aplied wriealls

 the gruchent of which jo - (height) in is (Sopin:
 mass upt the slope ln every prational ne. howewor there is a cortain force expended in wemomin? Friction (!.v.), even on a dead level : in milwal trin- this in equival-nt to vertically lifting ahomt .a) lb. for ferer tom of deal wright ; and what :
 in so, the emaine hies then, fur every the of wioht, 10 do work empalent to vertially lifting ai ib.
$\frac{1}{2}$ toll $=$ is $[1$, instem of the former 50 . The - toper the wraliont, themefore, the hemvier the pall: and fonimets. in roadmakins. avoll as fat as


 two are gempally redkmen in distimet medianimal proprs, and will la freated each under it - ma heal.

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In Coual Domini. a relebrated papal hull


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of headings will frefuently be foumd alvisable. The value of an imlex is greatly enhanced by the proper setting ont of the entries with judicions use of dillerent types. When a book is a eomplete treatise on a suecial subjeet, a well-made index will torm an almirable key to the subject and he in itseli intrinsically uneful. Indexes may alvo be made with rerard to a particular subject dealt with in a number of bouks.

The Intex Gociety, toform a libnary of indexes, and t, make indexes to imp,rtant hooks, rare sorials, sc.. w on founded in lsïn, and subsequently incorpmated with the British liecords Society; the ir puhlicatoms appear quarterly in the Index Library. The American Lhbrary Assoctation Index (1593) indexed 3010 miscellathens volames. seo books mentioned in the article bibliography, and H. B. Wheatley's How to Cataloghe a Lebrary ( 1890 ).

Indial. an extensive region of sonthern Asia, and next after China the most pophons area in the worl. It was celebrated during many ages for its riches and natural productions, its heautiful manufaetures and eotly merchandise, the magnitience of its sovereigns, and the early civilisation of its people. It posserses especial interest to British people from the imperial eemnection of its history with that of theirown nation. It aflords, too, the greatest market in the world for British textile manufaetures, and a great lield for the employment of Britisli capital.

Nomencluture.-The name India eomes to us, through the Romans, from the (ireeks, who hore rowed it from the persians. The latter applied the name Hind to the dwellers in the basin of the Sindha River, a Sanskrit name for the Indus. Sindhu, hy the regular change of $s$ into $h$, beeomes Hind. The river is still ealled Sind; while the land is Himl. Officially, then, the country is llimd in the vernacular, and India in Euglish. The natiomal name IIndu is derived from IFind. Then from Hindu came the name Hintnstan, which is only a province-siz. the region of the Juma and the Ganges. This name has sometimes been applied to India as a whole, but this is quite erroneous.

Geographers write of Further India and Mither India. The former, lying eastward beyond the Malay Peninsula, is mostly in native hamls, and partly under French protection. The latter is under British dominion, and is in legal phrae Intia. It was in $1 \times 75$, moclaimed as the ludian empire. This article wilf refer only to the official India thus indicated. It will for method and comdensation be divided into five parts-l. The hand: 11. The leople; 1II. The Guvermment and the Military Jefence; IV. The Civil Administration: V. The History.

## I. The Land.

India is the central peninsula of somtherm Asia, and lies in $84^{\circ}-39^{-1}$. lat. amd $60^{-}-92$ E. lomes. Acemrling to these limits, its length may be stated appoximately at 1900 milas, and it. breadth, rechomel aling the parallel of 25 N. lat., at 160 mile. With atn area of at least $1,3: 0,000$ so m . lint in round mombers the square miles romatimed in this arm may he reckoned at one million and a half-indu-iwo of limma. The mathral homalarins of tha rant megion are, on the N., the range of the Himalaya homatan. which separates it from Thatary, China, and Tibet; on the 11 . the Suliman Somotams, dividing it from Afghamistan aml
 and the hatian Geran: on the E. the hill-ranges which horter upon limrma, and the Bay of langal. From the montlos of the Brahmapuita on the eatem side, and of the bohs on the western side, the two coasts, east and wort, incline towards the
same point, and meet at ('ape Comorin, thus por ducing the form of an inverted triangle. The two siles of the triangle have together a coastline of about 2000 miles. Thas somblern and central. or as it may be called peninsular India, is from its extent of sealmard a maritime cometry. It is nothern India only that has at continential eharacter.

Geaprophy.-For the gengraphy of Intia there exist excellent materials from the Gram Trigomometricel surery-a wark of the highest arientifie value-which has determined the hoight of the mountains and the sitnation of all the principal places: from the topographieal smrver, which has displayed the contour and contiguration of the whole conntry from the revenne and endastral snmeys, which have delineated the lommaries mot only of villages lint of fields also for all provinecs except liengal and behar. The recion 1 resents a diversified surface and scenery. It has indeed been callet 'an epitome of the whole earth.' cominting as it does of mountains far ahove the level of perpetual snow, liroad and fertile plains, bathed in intense smohine, arid wastes, and impenetralle forests. Its natural divisions are the Himalaya, the anl.-Himalayan ranges. the plains of the Ganges and the Brahmaputra, the basin of the indus, the hishlands of Hindustan. the Vindhya and satpura rances, and the peninala south of those ranges.

The Himalaya (meaning 'the abode of snow') consists of a chain some 1500 miles in length, in which the links are formed hy monntain knots covered with perpetual smow, some of which rise from 20,000 to near 30,000 feet above sea-level, and are the highest yet diveovered in the world. It is the dominating factor in the geograply of northem India, being the source of the Indus the (ianges, the Brahmaputra, and of their principal atlluents. See Himalaya.
The sub-Himalayan ranges ron hetween the chain of the Alimalaya and the plimins of the (ianges and Indus. They ocenpy Cashmere, the Simba hill-states, Gurlwal, Kuman. Nepal, Silikim, and Bhatan, which, owing to their elevation above the sea (5000 to 900 feet), have a climate like central Europe in summer and cold as Switartand in winter, with the regetation of the temperate zones. These regions are separated from the plain of the Ganges ly the sulmontare tract called Terai, which extends in a long leet, 5 to 2.5 miles in width, from Hurdwar (where the tianges issues from the sul Himalayan ranges) to the Bralmabutra. It is covered with forest, and is the haunt of wild heasts. The suil is very fertile, mot malaria has rendered it unimhathitatio hy mau and the hunestie animats, at lanat from innil to Octoler. This wilderness is heing cradually marrowed or invated by the progress of Irainare and cultivation.
The plains of the damese amd the liahmaputra, which include lemal. liehar, the Joah (meaning the - Mesopotamia of the (ianges and Jumara rivers), Godh, and Rohilom, fimm an allos ial flat, terminating in a delta. amd exteming from the lay of Bengal to the slight uplauls on the l'majab horder that form the water-parting hetween the fianges and the Imhen. Throarhont its entire length the Canges :und its mmerons, tributaries - pread ont like the veins of a haf, carrsing everywhere their fertilising influence. The jupmation of these fertile and well-mitivated plaine is very lense.
The hasin of the indno, in the mortli-west, is towards the somth serarated from that of the Gianges by the Aravalli ltills. The l'ungat ow apies the northern portion. South of the lumjat, and parallel with the river, the great sandy dowert of the Intus extends for ueaty on milew. The valley of the ladus is contimad thrmag simel to the


Arabian sea lietween the Indus recion and the Aravalli llills lies the Thur desert, in expane covered with sandhills, 400 miles lang and low brand. It is only in the neighburhone of the Indus and sme of its tributaries that the surface can be cultivated by means of diver irrigationalthongh crops of grain haty he grown in lothows and narrow valless atter the rains. The home and camel alone can cross this desert, which in described in Hindu geograply as the region of death.

The highlanls of Hindustan extend from the Vindhya and satpura monntains as a hase to the border of the Thur desert. They include the tahleland of Malwa and Kajmena or Rajasthan, which has an clevation of abont 2000 feet atove the level of the sea.

The "imdhya and Satpura ranes are two hill. chains. with an elevation from 2.00 to 4000 feet, partly though not entirely parallel from east to west. and divided irom each other by the valley of the Nerbudda River. They form what may he called the backhone of midilio Imilia, or, by another metaphor, a howad wall dividing northern from southern India.

The peninsula south of the Satpura range is in two livision. The firt is the Becean (q.s.), which mame means the sonth. This area is a entral talleland extending from $1 w^{\prime}$ to 21 N . lat., rising from 1.00 to 2000 feet alove the sea, amd phelosed on all sides by mountain-ranges. These ranges are the Satpuras above mentioned, the East pon Chats, somewhat low, facing the Bay of Bengal, and the Western Ghats, hipher and more important, facing the Indian Ucean. Hetween the Eastern (ihits and the sea are fertile littoral tracts known to history as the Northem Cirears and the Carnatic. letween the Western Ghats and sea is a similar tract known qeographically as the Konkan. As a morthern continuation of this tract is Gujarat, with its offishoots the reninsulas of Kathiawar and 'utch. From the low land of the konkan to the beccan platean the mountains rise in a succession of geological formations looking like gigantie terraces. The rivens of the bectan rise in the Westem Gháts, and, after traversing the tableland, descend to the sea by passurges throngh the Eastern Ghats. The slope of the comontry cmerponds with the conrse of the rivers: it has a grablial inclina. tion towards the east. The second division begins technically from the Tungabhatra River, lut geaeraphically from the hills sonth of Culdapal. It extends right down to Cap Comorin, the apex of the inverted trianole, and inclade- Nadras, Tanjore. Trichinopoli, Tinnevelli, and wher fanous places.

To this summary of natural divivons a brief notice of the mountans and rivers may he added.

The mountrin-system forms a connected whole. It is reparate from the llimalaya and from the suliman range. which furms is wall between India and Afghanistan. It may ixnt he followed from the sonthem point, Cape Comorin, northwards, tha: From that point there min upwards two long lines of hills and montains, one northmatcrly, the other nomth-wenterly. The north. casterly line compris心 ile Eatorn (ilaits already mentioned, which beromu mereed in the hilly region on the west of lengal, and rame ip to the neighteurhood of Allahabat, at the junction of the Junna and the Ganges. Tlhis line nowhere uxceeds an altitude of 3 nom feet alowe sealevel. The morth-weoterly line emprises the Travanome and Palni hills, the Nilgiri, the Wimern Ghate, the Aravallix, and the liajowthan hill, "pre to the neighlomothonl of Welhi. This line hat at severat pharion considerahle altithete, for example in the Nitani ('Bhe Prak'), wens fert and upward ; and Mahabalenawar (near loonat) and

two lines are as the sides of a triangle, and are joined at the top by the two trannerne and jarallos range of the linilhya and satpmatrealy men tioned. Thus the mimntainsystem, like the ex ternal contiguration of the conntry, is in the shape of an inverted triande.

The river-system may be thins epitomised. 'like Indus in the north-west, with a comre of gow miles after issumy from the ITimalaras, drains with its four fanons athuents, the sutlej, the liavi, the Chenal, and the Jhehm, alonit $300,000 \mathrm{sq}$. wh., and empties itself into the Irahian Sea. In the morth-eart the Ganges, with the Jumar and other aftluents, and the lirahmaputra and Heghna-all which join in the lengal delta drain ahmen mon,000 sq. m. Owine to their virtual amalgamation in Bengal, it is dillicult to anign a length to the comrse of these rivers, which empty themselves in the liay of lengal. The central region-iiz. that of the Vindhyas and the Satpura-akme t 10,000 sq. m.-is draned ly the Nerbudda and the Tapti, the former haviny a course of 800 miles. the latter of 400 miles, ant hoth flowing west into the Cinlf of Cambay a hranch of the Arahian sea. The remaining area (viz. 600,000 sq. m. out of a total of $1,500,000$ ) consists of the Deccan and the peninsula. It is drained by the following rivers: Malanadi, with a comse of 520 miles: Godavari, 808 ; Kistna, $80 \%$; Tungahadra, 400 ; Pennar, 350 : and Kaveri, 40. There are many other rivers which cannot le particularived here. Among them may he mentioned the Hooghly and the Gumti, Calcutta leing situated on the former and Lucknow on the latter: both belong to the Gangretic system.

Geology.-In 1856 a stafl of geolonists commenced a geological survey of India, which has since then heen steadily continued. They have examined an area several times as large as that of Great britain, and supplied for the districts with which they have dealt an accurate knowledge of the minemal resonrces.

Professor Medlicott summarises the general result thus. Geologically India is divicled into three distinct areas: (1) peninsular and ( 2 ) extrapeninsular, separated ly (3) the lndo- cangetic plains, iomed of the deposits of those great rivers and their tributaries. (1) is a land surface of immense antipuity, all the fossiliferons rocks within it heing of derial or floviatile formation, and the newest of them of Lower Tertiary age. It is principally a messif of gneissic rocks, with bands and lasins of transition strata of various ages. culminating in the Vindlyan formation, of maltered and undistmhed strata, yet of undetermined are, being unfossiliferoms. Totally separate from the Vindhyans comes the fondwana formation: near its base the indian coal-measures on loper labatozac, while the tip gronp, where near the coasts, contains L'ller Juransic marine forsils. A great volcanic fomation, known as the Decran Trap, covers an ímonene area in lombay and Central hulia; the dejusts locally found in it contain only funtwater fomits; in Gujarat it orours between bowne and lretaceons marine strata. Along the outer margin of the plains (2)
 of immense thickness, and more or less intensely dixturhed. On tha wort, associated with Cretacernistrata, they extend to form the mpamls of Afyhanistan and Dorsia. on the eat, arain assulated with l pher seconlary hedx, they alme against the crestalline rock- of the Malayan axis. (In the north they form the sub-Mimalayan chain at the hase of ihe central Aian masiff, the somehern ringes of which form the Ilimalavas; in this ["sition the Tertiary meries. except at bery ham, is indmeively of ilnviatile formation, likio

 of restalline amol other rocks of uncrotain aser : but on the math site of the range there is at inll sucowion of loalarowil amd Stromblary marine fommations. At the nowtheat amedron the phans


 nutlier of the penimanar memoti. It the nontliwet angle of the platas in thre Salt hamge of the





 motanmes of alont thr same are ; in hoth these recioma, abo, pottolemm is more or less almmant. Inre iron wres are abmant thomonont the penin. -nlat and in the onter llimalisyat other ores are whmbatively scaner, exeppt along the Malasan axi-. Ther dianomel- of India and the alomisous

In anciont timme there were woldemines in thas manntain of the sonth-western resions, which
 then alnont nniveral in the comotry. 'The mont accesiblde prats of the ambermes strata have been worked ont iges and, amb the remmant forms what in known an the Slvare mines. There are other amporon- dopont in part of tho Ibecam. Silver hin never heen disumbred in any aproceiable duantity within the comntry : lut fin the midulle iges it was introndered largely fom anoros the
 penhencis of limma, however, it is extrimeted from leard mes. ('mal is whtamed laroely in western



 sorked in many parts of tha country. Them
 ance. libummm atre still fomme in the central hills, fond buly mines are worked nrat the lrawali. 'The minnral resomrara on the whale are inferion in



Clinvele. It follows fran the foregning summary of geampuph in a ramatry extmoling wer 26 of

 monntam riang far above the lime of pergetnal
 plateans, and alpine reopions, that the chmate mast

 ratuy. 'This rhatatorintic:aplica withont dintine fimm tus all parts of the comatry ; evin ta the llimafas:a* whirl hawn othervise a clamate like that wf Switatimit. 'lherool monthe are Nivember, be-
 hot weather prierolem, and the moint hot weather


 sptemhar". lint in linmat it lasts lomerer: : iml in the perninsular there in a secomil rainy seatorn,
 winter is the pleamant prome ; the spring is eromerally lout imi lutalthy: the smmmer ilopende an the deration of the ration the thtumn is close,

 lho athtration by the sun of monture from the

 "omuption of the lersith word for staxon isco Moscomet. It is the merasional failure of the momsoms that ratuses the burionlical famines to Whish the conntry is liable. 'Tha central tablehaml is cond compatatively, hat the alternations of
 north-west thare is buming hat with lat winds in -nmmer, and frost at night in winter. In the vornth the lieat is more tempered, lint the winter
 the Nil口iris, Forof fort ahose the level of the arit. the mean ammal temprerature is is $F \cdot$ : at Jathrin.

 the heat of smmmer is tremembos. the werage in roducell ly the coll in winter. The fall of rain sarion ereatly in diferent barts of the commory. In the north-astem and wher ontlyimg partm it
 "ast limpal. Cherra Punji, there is a phomomenal
 the ulyer lasins of the (ionges and the lnolus. it is 30 , and in the lower reatins of the ladus lemo than 15 inches. The remanuler of ludia is placesl brotwern the extremes represented lis these dannp and loy helto, hot is, as compared with Eunome. an arid] comotry Hence the meremoity of tank and irrisation canals to sumply monsture to the aril, aind to obviate the dangel of dromght and fimine. I metemongieal leppartment has beten entalindeal, with 161 observituries, the ehisef of which are at Gialentataml Bumbay. Soe Henry
 II "uther of Imetio (1ss: ).

Fommer. The domesticated amimals arrs. lirut, the cattle -rows. hatlidoms, oxen : the lave two do the work of asriculture 'The limll amb com are
 killed tior foml. 'Tloe indigenoma limeds of hames in India atre lwing impored by the importation of freigen sires. 'rloy hatre never harn emplayen in agricultare. The juny, the donkes, and the male

 and mindle rlasses of the beophe. 'Fhe manke?s

 hisom, elephant, and rhinocerom. The ramomble and alligitor infent most wf the rivers. leer of

 the hy:rnat, the lyox, and the wolf ane unimpert
 War or af stite. luth ly the goxamonemt ablat by the natiwe mobility. The ihes and the wex-anmon (the wild geat and the wild show) ame fomed only in the hinheot patts of the Ilinitivats. Poisunoms
 (the bliwk-hooled): many thomsimels of the mativedir from snake-hite in the var. 'l'he wovernment


 comblary from the merth of erndtivation, am! is still
 "coisiontilly. 'The hires are of comere, infinitoly valumbs bint several of the mast betantitul in
 fomme moly in the llimalavas, on is tha phatasant.

 In the marshy lams: waterfowl swarm in somme lomalitios. amb lights off will merses swor through the air. Volturm amb othor hirels serve as
 nint the raven.

It the seapert fown the suply b of lish tom

Enropean eon-unption in excellent, amd tiverurin: is largely practined by the natives. Inlamb tho fi-limg in the mantain atreans in erond. hat in the rivers of the "hampaisn the fish, thongh athment in quantity, are not estemed for ynality. Sine
 ser.

Flome-Nearly half an the emmatry in trapieat. thaytione of it i- cmatomial ame al part i- mon
 tion varise ereatly. A. compared with mpaturial


 immomorial heren a staple. Watize and millet ano articlen of form for the stronser rater. (Hikeeds ante bagely exproter The multivation of what hav greatly developed for expurtation ince the "ra of cheap prices. Tea is mown latgels umber Eum pean -upervion in tha. Eatem himalayan, and
 in the onth, hut with ehequered surces. Amons the dyes. indica and lar (red) are noteworthes. Europan thwers of all som- are cultivated nowadays. The imligenoms flowers are not rich. the water-filies lating the lwat: the thowering shom are sery fine. lowever. bi tree in the flans noar the coant the malm oriler with its everal arieties strike the observer. Inlaml the mango frinit-tree and the rampe, the momberen- hanyan. the vacred jerpul. and the banlwor are features in the lambeape. In the hill- the teak and other neful timber tree are oltamed. In tho limatavaare the calar. the pine the fir. the juniper.
The primeval fure-t which awered the comotry have long been reatrieted th the hill and mountain - $\because$ in this eomntry, in in man ether comutries, the hills hase been inforentmi liy reckion destruction Chring many generations. to the imbry of the
 much depemis. Conservation of forsta was mot attempted under mative mate. nom moler lintivh rule until the minhle of the lath century Simu that time. howorer, a fore-try leparthent has heen oet upas a hramol of the alminiotration in *very province, with Eurnean oflict- trained in Enrope For the whal enmaty, the forests under
 twothirds are moler cumplote comorvanes. Beside ammenting thenambatmoner, the forestry i- putitable, and yifll a net resme yaty of mow than half a million -trorime.
The arricultural sati-tios show that harely: ane-thiral of the whale emontrs is coltivatem in arazed. Of the romaintor at jution is avalable for entatation: the ret is monltivabie, comsint


## 11. The Prompat.


 becential relnon- of hal howed 2.8 millions of
 territurien ath the native atates and an increate
 total wis exchasion of the permbation of the criols merestate, which watly helongat to the ammus.
 ('ankmere and all burma the paphation at the
 creave of $: 3,424,017$ (hedneting the armas mot

 Freneln, bortugher. and lhuth territuries. In

 comery is mit an a where hemely poopleal : the
 290 fion the litish provines, 111 for the nation stato, athl list for the whale cemmers. The bill
 pupalation: lint ilue plain of the fiansers ant then



 fatha, show an averare arthally thombe the abowe. and a domity which is quito "Merosise af tho
 lofing rimal. Than- the vat majority of the perghe lise in the comatra, and most of these are aurimi-


The pambation of the the persilemes cition


 thee again fory - wen with more than a, on earlo.
 the perent day an whil as thoe opken in fumer ages, ar far as these are kmown to ns. halome to

 of chrmological oulor the Kolatime apherar to have heern thr liot ettiers, and all indiotionpoint to their hating originally anteme halia from the north-pat, and having innore - blabl west. warle owe the mothem plains. As regarls the trihes sumbimg Tileth-buman dialects. they are combined to the kitt of the Himalayan rames: thu- fommins, in it were the smathem enlote of
 benetrated at ratom- times. from the platean if Tilnet, through the mumerm pases of the Himalayas, Eastwark, abain. there dialect-tretch. in a more or less contimans "hain, matil thes merge in the compact holy of Burmatu oprela. Bint Whist a sebate linguisti. devalophent make it necesary to treat the kulatian am Tibuth-lmman lammare at two di-tinet mann- it i- at highty prohatile that they were nitamately herited
 Linlatian settlem womb seem to have been diaturleat in their prsesesion of the northern platins he the intom of bravialian rilues. Ther, having saimel entraner intu India thomgh the nortiwentem parses. wean to have pmshed forwant, driving the koham into the momatam- dis. tricts which morder the liangetio plain in ther amth, and ultmately thave farcel therir way lamagh them. and ponkel thencelver in a mighty - tram into the amthern jeninsula. Whether in andoing they were atrealy med onwabl hy thin an another race followiner in Habir wathe we for not haw:


 Aryanstork must have entemed the lath of the live
 of the sulaman ratere, the command of whicl hat

 Hinda-Kisha, and bs was of the l'anir platoral and



 the lhard and the Sialt-lanh kidirs, Whane wa


 of the pinitive (Imal Iranic) Arsan- "haid hial



of these waifo and atrass of the Ayan stock is still very imperfect ：amb they may atior all thm ont to be mere detached diaiterets of cither the Imbic of the Tranic hanch of Aryin sueech．Between these two livisions no shary line of demareation can indeed he drawn：hat the langoliges of the comotries west of the lmbu－vi／．the Puslath（or l＇akhtu）of the Afghans，：nal the bahoclai，wne of the 1 wo prineipal langulares of Belnchistan－form intermediate links，bemg by most seholars induled in the Iranian gromp，whilat others would rather refer them to the Indian division．
 fomm of Aran spec⿻日禸 in India is the Fetie，esper－ rially the fanguge of the sicted hymns of the Kioveda which represent the Aryan tribes as settled in the l＇molah．Ewen at that early priond dialectic：varieties seem alrealy to have existed to some extent amoner diblerent tribes．In the comse of the later Vedie ages the Aryan language ex． tended its sway eastward wer nearly the whole of northern India．During this process foreign athmic elements were donhtless laruely absorbed loy the Aryan commmity，and the areater or less pro－ fortion of such admistnres，complend with innle－ pendent politieal formations，conh not fail ere long to prombee ditlerent dialects of marked indi－ viduality．Jeanwhile，the expgesis of the sacred hymms，already largely unintelligible at the time when they were first collected，and the consetnent elose cultivation of grammatical and phonetic stumlies，resnlted in the srammatical fisation of the literary language（hence called somshrit－i．e． ＂eompletely or correctly formed，polished＇），probs． ably atoont the 6th century B．$\therefore$ ．Hencefortli the divorce between the literary infom and the popular dialeets was complete．The existence of such dialects at that time is anmply attested ly the fact that vantama s＂akyammin（or Burlotha；＂the awakened，as he mbsequently called limself），in preaching his new erospel of salvation thongh indi－ sidual rightemoners，made une of the Magalhi， commonly calleal Pali，the local dialect of lise native Magrallat（beltar），which acomlingly beeame the sacred language of Buddhist literatire：but heing as such in grammatically lixed inliom，like the Sanskrit，it became gradnally estranged from the vermandiar with which it had orixinally been inentical．The eanonical books of the Buddhists were settled at a commeil heln in the reign of the Emperor As＇okin almint 250 B．t＇，but they were not committed to writing till abonit $\mathrm{So} \mathrm{B}, \mathrm{C}_{\mathrm{o}}$ ，so that the state of their lanonace is attested for that feriod at latest．The same Emperor Asoka has， however，left us anthentic dialectic dommonts of his own time－viz．the fammas rock inseriptions， comtaning religions exlicts，and seattered orer the arm of northern Inlia from the vicinity of ＇Ponawar on the north－west frontior，and（ismar in linjarat，to fontack on the eastern coast．Sinni lat in its origin to the l＇ali，another lowal dialed． the Alebomeshter，of language of the province of Nababiantrat（the prexme Malmatta comotry） became tha religions dialeet of another large mat， tha dians，which sems to ge hamek to ahout the salme the as the orisin of Bublhism．Jomeover， wral popmar lialects were early emploped for licemary jompose hy Indian dramatists．While the use of Sunskrit in dramatio literatme is conlimed to male charaters of the higher clasees，women and inferior male charactors are invariahly marle tor verak varions local dialewts．These dialeets．
 （fomm the Simskrit）＇may lee looked npon as the formmoners of the molern vernacmars of northern
 be plawed marlior than the ath＂ontury of our ema，

dialerels，maty mo back sombe renturies berfore that
 Imlia are（1）lingult：（2）lriyn（of Orisas）； （3）Himh（of the Vpure Provinces），with the clonely allied lomjubr and Sipula（the lanmuage of
 simulhi（on the lower Imlac）：（．⿹）Kioshmive：（6） Morruthi；（7）Gajomotr－which banmes（Compuror－ twe Gremmar of the Wudirn Arym＂Lemgumges of India），however，takes to be a mare clialect of llindi．To these may be added（s）dswomese， formerly comsidered a dinlect of bengali；（9） Wrihat，ons of the two langmages moken in behuchistan，which at ome timu was thonght to be Dravidian，whilst some scholars would even now refer it to the k＂ularian cromp：ind（10） Simbulest，the langatge of the mouthem half（per－ haps at one time of the whole）of the ishan of feyon，dombtles imported from northern lmbia， in the early centuries rot＇．，by Buddhist immi－ grants：with its literary dialect called Elu，and the dialeet of the Aryanised aloriginal Veddalis．

Hany of these langnages show a consinhrable momber of dialectic varieties，especially the llindi， hy far the mont important of all，of which as many as fifty－nine lialects are enmmerated by Cust （Andern Limgumiges of the Emst Indies）．Not a few of these dialects are，however，of a very mined charactur．owing to their haing boken by Aryan－ ised tribes of one of the three other gromps，and eonserpuently showing a more or less strong non－ Aryan mement．A peculiar aml important form （for it can scarcely be called a distinct lialect）of Hindi is Urdé or Hindustomi，whieh，lwing IIndi， with a more or less comsiderahle aulmisture of Persian（and Arabie）words，and written in the Persian character，originated，after the Moham－ merlan comquest，through the oflicial intercourse of the Persian－speaking rulers anel their Ilindu subjects－much as in English the oriminal Tentonie grommhwor has been overlatid by a thick layey of Romance and Latin voeables and formative elements －and has developed into a kime of limgme fromen for the whole of lmdia；a somthem viride of it beines called Ihakhomi or Dokhmi．In jwint of the anti－ fuity of its literary docuntents，Sinhalese stands pre－eminent among Neo－Aryan lanomages：its de－ velopment from，or by the side of，P＇ili heing well authenticated hy Eli works going hack to the 5th century of ony era，and by inseriptons of very early date．Next to it comes llindi，commeneiner，abont 1000 A．D．，with the lrithirij liamat，a heroic poem hy fand bardaid，composed in an archaic form of IVma which Trmupproposes to call＇Ohl IIndni；＇ whilst the term＇Ilindni＇is applied by him to a somewhat nore modern fomm，represented by the writings of the redixions wimmer Kabir（c， 1450 A．b．），the saced looke of the Niklon（the（sranth）， and Thlsi Dás＇s trandation ai the Sanskrit epie Kimmáya．In Marithi the oldest existing worlk， a paraphase of thas Sanskit philosomical poem Hhagaviloritá，elaims to have heen written in 1890 1．D．；whilst Bemgali literature commences with the religions writings of the Vitishmava reformer Chatanya，a contemporary of luther．None of
 two or thee centurios oll．
（2）Irmidian（rount－The extension of the Bramanical civilisation and literature has intro－ dued into these languages，an into those of the other stocks，a very consiolerablo element of Sans－ liritie worls；whilet their grammatical struetmre has，on the whole，remamed intact．As regards the ultimate allinities of this sterk，Ior（＇aldwell， in his Compuratiof Cromomen of the Iravidiem L，$\quad$ motuges，has shown that Dravilitu speech，in its formative features，hetrays a＂family likeness＇ to the scothie（Vimnic．Thatid）stock；whilst he
also detect- in it certain analogies, though if at rather indetinite and remute character, to Aryan speech. The people spaking Dravida languges owepp a emmate aroa exteming wer the whole of the southern part of the friminsla, with one or two enchetes in the Aryan temitory. Dravidian scholars recognise twelve distinct langugen, only four of which, alon the nu-t importint in resaril to population, have develoged anything worthy of the name of a literature - $1 \%$ ( (1) Tamil, oremping the south-eastern: (2) Telugu, the nurth-western; (3) K'enuese (or Kenmedr, i.e. Kamataka), the north-eastern: and (t) Mrhomhem, the sonth western protion of the 1 brabilian area. The remainins members of the fimuly are (5) Tutu. between the two preceding mes, on the Malahas "oast: (6) Koderg", the langhage of Coorg, adjoining the last named, inland: (7) Tuderand (8) hote, hoth spoken hy triber of the Nilgiri hills: (9) Gond, in C'entral ludia; (110 Khond anl (11) Uriome west and north-we of Ori-wa: and (12) Rojmehol. or Deter, the languace of a tribe of the Rajumanal hills in lengal. Tamil, which has also extenden its sway over the northern half of Ceylon, may boast of a rich and raviel literature: its oldest works-the C'lintimani, an epic pow of 15,000 lines, and the Kiual, a collectim of ethical stanzas hath of them ly Jain poet--prohably dating loack to the loth century, if mot earlire. In the sister buguapes. Nannayas Telng translation of the epic Mahahharata and Kieśava's Kanarese grammar probably belong to the lath eentury ; whilst Malayalam, orisinatly a mere dialect of Tamil, commences with the beroic poem laimacharita, of uncertain late, himt probably a century or two later than those works.
(3) Kolution (iromp.-The term, derived from the tribal name of the kols, was first introdnced by sir G. Camphell. The people preaking these languages, settled ehietly in the jungly and mountain ous tracts of the "entral provinces, are computed to number about two million, thond many tribes, such as the Bhils, who have adopted other languages, expecially Hindi, ethologieally doubthes helong to this gromp. Kolarian speeeh possesses a very complete sutlixal system of inflection, its eonjngational system beinir especially developed. some of the clief pints in which it diflers from Dravidian speech are that it has a dual num leer for nouns, and that it lacks a negative form of the verl. Our knowled.er of most of these lan guages is, however, still sally defective. Brand reth proposes to include nine diflerent languase under this gromp, to which C'ust adde a tentlo; but this seheme is so far moly povisional. The best known member of thin fanily is the santali-spoken ly a vigmons tribe inhabiting the socalled santal Pargana ( and aljoininglistrict-) along the westen frontier of Lower lsenalal of which we have a gowl Erammar hy skreforme (1583). 'The only othes language of this group the grammar of whieh habeen at all adeguately treatm! is the yumbion. -poken ly Munlas, Bhamij, and Larka Kols: whilst of others, which are probalbly destinel to die out lofare long, we have as yet only seants vocalularie.
(4) Tibefo-Bumen rian", -This tield has ako as yet been very inmerfectly surveyal, most of its langazes lyint cither wholly heyond the halian irontier, or only just projectins intn the liritish territory. They share the general amonamative character of the only two literary linguas. of thifamily, the Tibetan and larmese, whils in then the tone of the voice alon plays ernerally an inportant part in the meaning of worle, thominh mot to the sane extent an in momeylahic lampatore. Branlreth proposon to arrane these hariler danguage in mineteen dillerent claner, which Cust re-
 sikkim, Asoun, Maniphr- 'hittasomg, and TransIlimalivan groups- the last named group consisting of the sonthem oflowot of the Tiletan branch of Tibeto-liurman spereh.

A 'uriome chaster of diatects, which seme por le imbernalent of any of the fon grompo of Indian speel hitherto mentioned. is fonme in the khasi hills, in the province of Assam. There is at enod Whas prammar hy Prye. This language, in which five or six dialects are distinsuished, is of the monosylahie order: lut its exaet relation-hip has mot yet heen determined.

The word llindu has been used in varion onnes. In truth it means all those who profens the llimbin or Prahmanie faith, whel, how cever, comsists of manysects. This vast commmity of neaty 20 m millions of smals is divided into arveral Castes (ๆ.v.), high and low. The high castes are mainly Aryan ; the lower castes bartly Aryan and partly Dravilian or aboriginal. A person must he hom into the hish eastes, and camut enter them hw eonversion. If a person, as for instance an aloriginal, lie converted, he ean enter the lower eastes only. The sections of Hinuln commmity thus summarised ditfer not only in mationality aml langnage in diflerent prosinces, lint in enstons and dress. Their languages are to be connted by seores.

The Mohammedan (or, strictly, Mnhammedan) population, on the other ham (about 58 millions), in all parts of India alleet the same customs, and generally speak one language-Hindustaini or I'rlú. It is the one chiefly known to Enropeans. It is the vernacular in the towns alone, and those, too, of the north-west omly. In these provinces, also, it is the ofticial lamuage. It is, however, hardly hnown to the Mohammedans of eastern Bengal, whospeak Bengali. Persian and Aralic are more or less known as elassical languages to the Mohammedans of India, lut are not spoken. The lan gange of the courts of justice is everywhere the lansuage of the province.

The aboriginal hill-tribes have cansed tromble on the Assam frontier at varims times, er pecially those on the northeast frontier near Assam. The hill tribes of the Dravidian race also are in a primitive state socially. Of these the most important are the Bhils and Gonds, who are fond in thrSindhya and Satpura regions, the Khonds anl Kols, who inhabit the Eastern Ghats, and the Sontals on the bill-country west of Bengal. The Bhils were wont to live ly plunder, and used to burst ont of their jundex, committing many outrages; hut in 182., after varions methods of sulmbing them haul heen unsuccessfully tried in the British govermment, it was resolved to tempt them into military service, with gool result. The Khomis and Kols, driven into the jungles and montains of central bidia lys the ander of the Aryan ace from the north-west, have pre server the grim religion that prevailed in the eomatry lufore llindnim was heard of. That religion may be bumy chatacterised as bevil. worship, with ethorts di propitiate the malimant deities hy human satiters, primipally of chiblem. Snccessful efliorts have bed made lis the Briti-h government to supmon these pratices. In at tribe the dionds are the strongest: they adopted parts of hoth Ilimdu and Mohammedan culture. fommed a rode donaty, and igmalived their rule lis works of material improvement. For more than at comby past they lave relapond into their brintine combition. It is from amone thase athriginal triben, numbring in all prophas lifteen millionthat prosely to to Himbinism are ohtationd.
 who, although generatly a mixed race of Dravidian
and Aryan origin, now form many distimet nations. no general statement ean ablly: 'lowe acute bint nowarlik" inhabitatme of the fangetice dolat are



 and chivalrous rare of liabiathan or latjontanat, and the handy thomert hamble . batratiat of the Western fohaix. Sill further varietite are fommal in the hatfowalike atmb patly relimed races of thes

 Who in thi moneration atre helieved to has matitioal :apirathons ato the sikho of the l'miah-the Sikla fath being really an odthont of llimbism-tho Gourkhats of Nepail, and the Datarattas of the Wentern lilats: aml perhajp ame rections of Mohammerkans, who might le adided by drats im. migrating from Iraliat. The Drahmanseverwhere. fo whatever nationality they may belong if what. -ver lanemase they mas speak, hator a homosenoma "haracter, imbord with a lofty pride thamituled through lome generations.

The Molammodan of eentral . Isiatic desent :ure strict allherents of their faith, and sometimes fanatical. But those who, like the inhabitants of "astern bengal and of parts of the l'majab, are merely llindas or aboridimemale Wohammedans liy conversion, are of comase less orthodos. Their relinion is a misture of the floctrine of the koman with the local idolatry. The l'itseres, a marantile and edncated ditss, seated at Bombay and aloner the west ramst of luliat, are the descendints of the fugitive fire-worshiphers of lemsia. See PAHCEES.

The mational character anmot he partrayed foom this eongeries of nationalities, yet some : hamateristice can be sef forth as gemerally prestent ; for the ngper and mithlle dassos, domestie atleertion,
 tion with awe leading to surerotion, lose of exformal nature an inclination for abstract meditat fon, mental acuteness and sublety, litigonsucos, -hrewhess of olsservation ; for the lambler elimses,
 indirent, emdnrance, fortitude moder disitster, imal intustry. The parlifies termed principle amb puhlie spint in wortern phane camot he modicated of amy elas. De De attandament to the aborom
 to the Vimha, and lon to the Xhhammerlati, matim
 Whe women, it mont le sail that, wopite theil -nbjectim ani wollaiom, they have fown comrapa ons fortithto in timme of dangey and ehatitablo munilicerter when molowed with means. Tlos -attee "widow bmaing" mincol suptome remoln-
 tary in sollo chasas, are patitly shlultad by tho
 ing fittor is thin that the ronmarias of hational ities, rhopiter rommonnity of faith, hatre now ille: of
 then emaparatively easy of govermment he a forrign


Ihelsimel (funlatios.-These vary tomelder with



 lan: both are strenge is a rule, strebeth with
 surnth. but least perhatpe in the (xamertie diltat.




in whme platern it in extrabolinary, and rarely to be mualleal in atuy combtry. . In a print of compari mon, a native lat latilly half the strongth of nervous force of a lingoman, promajn mot more
 in tha same propurtion. In consequme of this and of the chatinose of living, his wates ate mot mome than one sixth af the lirisish rate. 1 pro.
 of delinitely, lat somm und 1 rath : the tios it the hatis of the political wommory of the comatry.
 ligion of the wrat majority of the peode, and
 inhabitantsot India, laritinh and fembatory, in is! 9 , $20,700,000$ wera linalas. $57,000,000$ Hohamamedans,


 bemsal theme itre nearly $24,000.000$ Mohammmatans

 fexad, incording to the conans for the Imajath, ly I, !00, 1 mo of its indabitants. The Christians mam. her $-200,100 \%$ bindilhism att one period prevailat rery generally thronchont lndia; it is now ron-



Mimblism.- 'lolue liret to he consibered is that valiety of creeds which is derived from Bralmanio
 Hindulsm. The followings summary of the origin amd levalopment of Himhnimb is from foldstükers
 for the dirst adition of this work.

Ilimhaim maty be diviled into there perions, the Yedic. Epic. and loranic, as onr linowlenger of the figsi is derived fom that sarmed books ealled the
 greme and the Ahabobhumeta, of the thime from the mythological works known maler the name of I'soremes and Tonetos. Writers on this subject hetw marked the hegimuman of certain disivions of
 B.c. '1her question of Jinda chronolagy will be morr promicmbaly consilered in the artich Vebs. Probahly the hatiot writhes of the Vodie class atre
 tainty hangs wer the periond at whind the two
 is reatoh tesmemise that the lower limite of that prrion :are wot far from the lemimning of the C'brimian era. The laranie perion, on lar oblea


 Valas, and probahor the bldent literary dromment


 reveal the oricinal ared mot maly of this mation.





 many vies whiol omly mont in :an alvanom on




 might of the eromentw. Iha gavers whish turn has


 sunf I shers. the than: and nature in memeral. H.
innowe them, not as representation of a samer
 homility, but hetme he wants their anditane
 that rain, foms, cattle. health, ind other wordly Emok. Harah- them, mot for hi- -pinitnat, but fior lis material welfare. Simanderil, inderel, ate often adreved to, and the gonlare patived heothas thea lestrey simers and exilhoms. lint theor word are not to be awnerated with our notions of wrmer. A simatr, in theer hymb, in at man who tath to
 Eratify them with the ohation thes rember at the thands of the heliever. He is the ine, the robter. the demon-in short, the lumdere inforing the territory of the "pions man, who, in his tmon. injure and killo the other. (H) the whole then hymme, of far from retbecting minatomralily on the
 +h the contrary to beapeak the nim and hrother lom which existed amonas in-member.

The worshap of the elementary heing was originally simple amb harmless. Moit of the liog Vedia livinn mention hat one sort of offering mate (1) these gans. ft comsist of the juice of the soma ( $0, v$, ) or moon-plant, which, expronad and fernomed, was an exhilarating and inelniatine beverage. There is a elith of hymme, however. to for form in the lig- Veda in wheh the intinetive atterance of feedins maker rom for the langape of specolation : and the m! steries of nature beins mate kemply felt, the eivele of heings which owerawe the pophar minj berome- enlargen. Thas, the object- by wheh inda. Ieni, and the other teities are propitiated, berome gox themselsor: coma is invoked as the he tower of all worldy
 rites: and the howe of the sacrilice esperially is invoked ly the wombipler.
Mration lamage then bows that religion was endeacomane to penptrate into the mysterion uf creation. Thi homeme is rapessel in other lymme, which matk the heriminte of the philo simhatal rowel af the fodia purion? The following wtract will illuntrate the mature of this thind rase of hymus, as they orent in the oblome Vieda: Then there wa-no entity or nomentity : no world. or sky, in andht alume it : wor water
 immortality, mod ditinetion of day or night. lint 'Thut breathed without atlation, single with lum who is within lim. Uther than him. nothing: exintol which sure has hern. . . Who know: exactly, and whollall in thi- word leollare, whene and why thi- "reation tank plane? 'The erods atre -ubsemuent to the prodaction of thio world; then Who can know whene it promedid, or whence thin varied world arose. or whether it moloh it well on not? lie who in the highest heaven in the mer of this miserse, does imfeed know: but mot anothor one with prowe.. thi knowleike.

A- nom an the problem implied ha paration
 (1) be the pare wowhip of the fomentary pwers. Henceforwat, therefre, we su it rmanting to


 In the writing termed / permonhen. In the birnh
 -atematio form. Epithet piven by the liog.


 requires a clane of priote. Iloweror bumb this
 -titation of rates chaknow be the hymus of the liforeda, there atre -till twa fothmon in thent
whiol mark a prowe of the migions mind of the anciont llimhor. While the perte of the liter
 manifentatims of tha Mellomaty :rols, in the

 and wrong- in the matal -rote whirla then work ingly-are nitan emplat-and in the daraption of



 wheren in the ohd Vendie puetry, thongh there may

 aise any of them to a sumeme rank. Whas. in wome biahmanas Indru, the and of the timai

 of enperionity:
 regaming the dminhty in attompted lay the -montorms doctrime' as lad down in the writ. ing kinown moler the name of Cpmashoms. Thomir object is to explain, not only the prowe of entat
 it: Jelation tu the hman sonl. In the I primishath
 anost the mind in an atempto mandand the tha hathe of one alooble entity, and the maner in whill it manifests itelf in its worlly form. Tlue laman som itoelf is of the same miture an this supreme or ereat com: ite ultimate dotina tion is that of hecoming remitel with the -apreme arom, and the means of attainine that end in not the perfomance of adribiobl rites. lint the rom-
 Thus the reaniohals herame the lasis if at combaratively enlightened faith. Ther romain the germs whence the three errat -ratome of bindn philoopliy aroe. They advance sutliciontly far th
 the inalility of the laman minal tw compernmol it eronce see Vebal
 of Itiminiom is marked hy a develngment of the
 now lewn thaced in the Vedic writhes. The parpular ermed trive to find a rentre bom whint th
 ared timd it- exprenom in the sermalwort of the

 thenlar whotereng to the highot ranh, Vi-hou and Sitat for an to brahnai (the masenlinc fonm of brabuim). thomghe was lowked nom now and then an sumerior to both. he gradnally dimapuars, and brome merged into the philowhlinal latahna (the menter form of the sallue woth, whith is at finther ewhintion of the gatat wonl of the l pani-
 Vislmu i- admitted willont di-pute: in the great



 Aready there is a pardidertion damer this bign








 ahle for therin existrmer. It is, on the comtras. the

secures to himselt long life and mamomatits after wards. And the same motion prevails throushout the mbent Bralmanas. It is onfly in the latent work of this elaxs, ant mone expecially in the Epic prems. that we lind the interion arols ats mortal in the begimnines, :thl is lneomming immortal throngh
 The juien of the suma plant, othered be the worshiguer, or at anothor time claritied butter, or even animal -acrifices, impart to then this immortality.
 ohtain the smeitw, or hevarase of immortality, withont which they would gotorestrmetion.
'l'he' philasouhical erned of this perionl develops the notion that the mion of the individual soul with the sumane shint may lum airled hy penanees, such ax pectular momes of lareathinge particular postures, postracted tasting, and the like: in short, by those practive which are systematised by the Soga doctrine. The mond remarkable Epie work which inenlatites this doetrine is the celelorated poem libugtomedytio, which s'ankara, the great philosomber. deelared to be fommded on the Yogr helies. The doctrine of the remion of the indivilnal soul with the sujreme sonl was necessarily fumbed on the assmmption that the former mmst have heeome free from all foilt atfeeting its pmrity lefore it can be remerged into the somree whence it procreded. And, since one human life is apparently too short for enabling the soml to attain thereto. the Hindn mind eoneluded that the soul. after the death of its temporary owner, had to be horn asain, in order to eomplete the work it had left mabone in its previon- existence. This is the IJindn loctrine of metompsychosis. The beginning of this doetrine may be discovered in some of the allest [ p minishads, but its fantastical development belongs to the Ejie time.

The Prorencs and the Tantras.-The Purannie period of Hindnism is that of its deeline, so far as the popular ereed is eoncemed. Its prantheon is anminally the same as that of the Epic period. Brahma, Vishnu, and Siva remain still at the head of it imaginary gods. But whereas the Epic time is generally eliaracterised ly a triendly harmony hetween the hicher oceupants of the divine spleres, the l'uranie period shows diseord and destruction of the oririnal ifleas whenee the Epie gods arose. Bralmá is withlrawn from the f"pular atoration, leaving Vishmu and Siva to firlit their battles in the mimds of their worshipuers for the hishest rank. The divine element which atill distinguishes these gots in the Lamayana and Mahabharata is now nore and more mixed nj with worldy concerns and interseeted with historical events, disfigured in their tum to suit inlivilnal interests. Of the ideas implied by the V'ulic ritos soarcely a trace is visible in the luranas and 'Tantras, whieh are the textbooks of this ered. Some lomanas, it is trat -e.g. the Phrifucuta-make in sump semso an ex. "nption 10 this aberation from orierinal Hindnism ; but they arr at compmomine letween the prpular creed ant the V"manta creel, whim lathor ramains the fath of the elncated and intelligent. They do
 the varions seets, whether harmess, as with the wormipuer of Vislm, or othemive, as with the achorers of Siva and lis wifn Inirea. It is thix popular creed whidl, with further deterinmations cansed by the lapse of centmries, is still the main
 SAXGKRIT, Vol. 1... 153.

The philomphical "reat of this period, which is
 from the Vadintia philowahy. It is haserd on the hedief of onte supmeme trimg, who is invested with all the perfection condervahle ly the loman mind. bat the matme of that boiner is verclared to be
leyond the reach of thought, as not possessing any of the qualities ly which the luman mind is able to comprehemd intellectial or material entity. See VEDANMA.

The seets which arose during the thind periond of llinduism suppose that their worshi] is comnten anced hy the Yedas: but its real origin is derived from the $f^{\prime}$ urimas and Trontron. I'lioge are three chief divisions of these sects-the adorers of Vishma (Vaishmavas), of Siva (sabas), and of the wives or female energies of these gols (sititas). For the


The Popular Fath.-This munt low noted as it is seen imoner the lindus to-d:y. The triad of liahma the ereator, Vishm the preserver, and Siva the de-troyer is still remmoliered. One of them (Irahma) lias lapeed into an alstraetion. and practical aduration is divided letween the other two. The sivaites are elidetly, bit not rntirely, in the north; the Vishmites in the nouth. The Sivaite worship is chiedy attracted ln' the wife of siva, mmler various names-ľali, búrea, Parlati, and xo forth. Vishnu, again, is almost lost in the worshij jaid to his two incarnations (avatars), Rama and Krishma. lesser divinities, such as Hamman, the 'monkey-gom, and (iancsh, the 'elephant-god,' are almo honoured. The sanetity of the Gangres (Ganga) remains, and when the river is lost in the delta that sanctity is to some extent continued to the Inoghly, llowing past Calcutta. The Nelludda also is saered. The fing or phallus is still an emblem, and gives its nami to the Lingayet seet in the Decean. It is hard to gange the thonghts of llindus regarding a future state. They think of a heaven (swarga) and a leell : ako of giant demons (Rakshas). From their demeanour in the presence of certain death it may be infered that they expect alsorption into the divine essence or entity, thronerh the intervention of the god or gods they have worshipled. It is hard to measme the extent to which this faith may have heen weakened ly the western education of to-day in the minds of the rising gencration. The indermining is, however, exTuncive, Still, in the mper class there aro many who eling to brahmanie ortholoxy, and with the mass of the jeople the adoration at the temples, the floral and rotive oflorings, the ceremonies, the festivals, the pilgrimages, are all maintamed. 'The rule of life is still comprehended in the term Jham, whiel includes relighons fidelity and moral virtus.

The Ceste siystem, which is a potent factor in the mational life, does mot ajpear to have leen a part of the V'edie religion miginally. But it arose mbequently with a religimas sumetion which is still maintained. The brahman biste, incluling the priests, is hed to have monethiner divine in it. Most of the several millions of Brahmans follow conolar employment : but even late hmmbent of them is hedgeat round by a cortains sort of saered ness. This ante, togetler with the Kshatri on warion raste, aml the Valisa or traler caste (in"luding the shlulivision of Kisuasthar writers), are held to be twice-hom (rwija). This character Gues not attadito the súdra caste, whid, inelandos the maseen. The reatrictions in respect of food and drink (water) in the easte system are most severe and narrow. ('aste is lost from any of the infringemats that are inevilable in formisn inter comere lint pestoration to caste. though often expensive, is alliciontly fatile. Within each easte is a division of the leople. there are sululisisions infinitely numerous, whicd as a whole have been rechoned at several thonsand.

The Brahmos.-IBt a now religion is arising among the llinhlus alncated after the western manmer: this may he timmed brahmoism or
floman, exhewing a-ate and ahmo exemthan: lsahmanic. There are abrealy two divisonsBrahmos and Allhi Brahmon: perthapother divi sions may be formed. Their commmaty is termed the Brahmo Somaj (I. W.). Thee theistic reformerlook primarily tio the Yodas, the refer also to the christian Bihbe Thi intellectual, moral. and -piritual movement may have infinite development under the national edncition now established. and is to loe reckoned anons the phenomena of the comntry. It hat lifen moressary to pass a -frecial law for the marriase of thin sect and other seets.
The Sikhs,-Their fath, thomghot quite what it was in the prectin! enmeratim, is still at hiving power. In the lunjals and the protected Sikh state, it really war a sort of reformation, and a moral system engraftel on Brahmanism. Otherwise it recomi-es all, or nearly all, the Brahmanic tenets, cante inchuled. Its sacred look, the Granth, is well known. Its spiritual teaeher(thurns) have a status imespective of the lhahman prieathoch, and it has retigions orders endowed with firluting qualities. A man is not horn into its system, hut in initiated. Practieally the initiated ones ate all Hindus, who thas beeome Sikhs or discipen. There are two mones of initiatiom, somethins like haptism: the firs, that of the foot, practised loy the foumler. Baba Nimak: the second, that of the sworl, as praetised ing tovind sing, the warlike propacator. The former has more of a rellgions character, the second is more militant. The pmularity of the latter endminated in the palmy days of the Sikh kingtom, when the temple of initiation at Amritsar, near Lahore, was daily erowided.
Buddhism is now for the preple only a nominis mblora ; probally the words "huddh," as abstraet wisdom, and 'nirvana.' at: a haven of celestial quiescence, are rememhered. In the Eastern Himalayas, sikkim, and bhntan it is really Lamaism (q.w.) or the medieval commotion of Buddhism, of which the headquarters are at Lhasa, in Tibet, with the Dalai Lama and the incarnations. The representations of Budha or Ciautama have the aspect of inetfable repwe whieh buddhism has everswhere exhibited. The cate system does ant exist, but the monastic order is all-powerful. In Rurma the faitl in still mainly that which was settles at the last great council of Asoka, in northern Intia, before the Clnistian era. Here also easte is not acknowlolyed: lint the priestly and monastic orders, though they cannot arrogate a status like Brahmans, are very intuential.
Jtinism is believed to have originally sprons from the same school of speculative thought an Poddhiom. It has saeved lowk, and saints of it, own, in a long line or series, ant it promises a future quiescence hardly distimphoble from amililation. It has an excemion tenderness for animal life. It recomises ante. Its adherents are largely fond in the hamhimg and mercantile clawe.
Mohemmodemem.-This is, in man parto of the combtry, strict and exactiy preserved, and 'tin.' or ortholoxy, is atill a wom to comjure with. The two sects. Sumbis and shiaho, exist in this as in other conntries; the dyasties han lefen mostly Sunnt, and the people chiedty lolonge to that seet, but the Shala have abwi- bon momerons at Lurknow. In eantern Bengal, how wer, the faith in much modifed and dehased, and this remark alphlies to nearly half of the Monlan promation. The ramifieations of the fanaticht Whathi seet in Arahia have spreal to the hatian ampre, thereby ean-iner oreasionally political troubla.
The lorsees preserve the \%oreatrian dith aml practie - the fire-worship, and so forth. Their

- towers of silemw, inside of which the dead :ume deporital, are comspoumsolijeets. There are trates -till in India of the ohd worship of trees the bon, the tulbi, and others. and of the mernent ( N :uga) . The alonginal anlt comsints of veneration tor the great pirit and for malignant powers, including cmallpox, and eben the tiger, with wornip if stocks and stones.
Religions Endownent:. The sereal religions have from time immemorial receival endownent: from the native dynasties, whieh molowment are in part maintained under British rule. The value of these endowments consisted in the alienation of the land revenue in favour of relighininstitutions as srantees. The sovernment hat severed itself from any share in the management of these institutions, but it regards the landed embowents as pmperty, and bas maintained them after due investigation of temre, title, and the tike.

Christiomity. - The traditions of St Thomas (q.v.) the Apostle survive in the sonth, where aho a Syrian Church was planted in the early eenturies after Christ. In the 5th century Nestorianism came from batylon, and still survives. In the l6th eentury Koman Catholie mission- arrived from Portugit, and soon afterwards eame the fanoms St Francis Xavier ( (c.v.) with the Jesuits. The Jesuit missions had great success on hoth sides of the Peminsula in a certain way, but their mininters were somewhat orientalised. Just two centuries later-i.e. at the middle of the 1 sth century-the society of Jesus was broken up in Europe, and the south-Indian missions languished in eonsequence. Early in the 19 th century the soeiety was re established, and ere long its missions were resuseitated.
The Danish settlement on the south-east eoast at 'Iranquehar saw the first Protestant mission, whieh was Lutheran, under Zierenbalg, in 1795. He was followed ly Schwartz in the Peninsula. Towards the end of the eentury the baptist mision was set up at the then Danish settlement at Serampore. In the early years of the 19 th century Hemry Martyn, the Chirch of England ehaphain, began to work as a missionary. The lishopric of Caleutta was established in 18lit, and then followed the operations of the two great associations of the Chureh of England - the Chureh Missionary Society and the Society for the Propacation of the Gospel. The Chureh of Scotland began its missions in 1830, inereased hy the Free Chmeh after 1843. These were followed ly misions from the Wesleyan and Baptist conmonities (British and American), from the (ierman sueiety at bavel, from the London Missionary Society, and the I'nited I'respoterians in 1800 . In $1835-37$ the hishomion of Mindras and Bombay were established, the bishop of Caleutta beeming Metropolitan. Weeently hishop have been appointed for the lomal, and simb, and for lhoma, hewides two missimaty lishops for the l'eninsulat. The Chureh of England is the oflicial churela, and its chajabins ate stationed at the principal towns and military cantomuents. In many plactes also there are ministris of other denominations. loman batholie primots are ministering every where, and many of them are salaried hy the governnent as ministers to the Enropean sidiers of their fath. Dendes these there are the Farofean ordained miswionaries- many hundeds of all demominations and muldre these a fant growing native ministrs.
The following wan the distribution of the $t$ 'hris tain funnatam, hy race, in the empor in 1585 : Emropath, 142.610: Vurasian, 62, 15: ; Native, 893, bis: where (ineluling varion: I-atic races)

ing to alemomination at the remsus ol tsin: Claneth of Enerlame. 29.0.016; J'reshyterians. 40. 10 ; ; other

 2.2st, :30.
 worked with matomal derotion. literaty latmor.

 banslated the sorjuturs intor the principal lam


 -tituted a moral fome in the abintry, with benelicial effere sucially atol politically. The increase in the mamber of mative (laristians have been propartionally grost.

 described as beime batily at least commected with the permatar religion. I religioms santion in -nme degree attaches to infant marriage, ar child martiage. with all classes: also to the sechavion of women, and to the probibition anainst re-marriage of whlons, with the bly mantice the women of the masses are mot sechuled, bat, on the contrary, :4pear everywhere, and work ant of doors : thes remary, tho if in wilowhomel. 'The buming of widows (suttee or sati) on the fandral pres of thatir hashamis hats lons been suphressed his the ermimal law under latish rule Jobyandry is fomme anly amoner a few of the aborigimal tribes. lobyramy is manctioned, lut mot emoinow ; it is, of *ouree, ecmined to those who ean alford to maintan more than one wife. llere, arain, in patetioe the masese of the prophle are mumpramist. In all clases the mamiage expensex, arisint chietly from the otlen ings mate to the prienthool. ate so execessive in fivpuently to cance embarrasment to familios. Many of the sweial emoloms abowe indicatal ate begretted and deperated loy notive refommers as boing injurions 60 the mational prompese and hemevolent eflogts for reformation are mate. 'Ilae laws wf mheritanor, dower amb divorre, womens properys arloption, partition. abd other social mattors are hold to have a quand religinus sametion. They are wemerally ohnerved in the remets of justice maler Leritis map, both for llindos amd Johammedans. 'lhore aminal prowtoxs lave bren -evarely dealt with lay the lintish somemment: femabla infantiate, arising from the presmmal

 100n: and the Weriah or laman surifice by some ait thr lisll trilus.

 by the Mohammedams, I villaye dowe not marely



 hembitary fonctimaries. the primipal of whons in the" motril (home inhabitant), :s mall loneal m:ari-







 the watelomath bumblew thene almost every villand
 :and batrle atl af whom are rewarded omt of the

 the ronntry lats lival from time immemorial.

The bommaniss af the sillage have luren lout seldom altereal: and thomel the villages themselve lave lamen sametimes altered, and aven damatad ly war,
 limits, and even the samm families, have continmed

 Kingloms: whilu the villager romains entire they bare not to what power it is transferred, of to what atherem it devolves : its internal eronomy remains machanged: the potail is -till the hoal inhalbitant, atmentill acts as the petty matrintrate.

Costome - This is in the on mormo nationalitien Haractmised miversally hy the ease, limhtmess, atm loweness common in the East and suitabla to tho hot elimate. But it varies in the many prosinees. amb, imleod, with every matomality, 'The furlsan (patif) han wery xart of dinnomion, from mimute neatness to turgin masoiveness. The waisthand ( 1 hosti) extemals often below the knee, in whirla eate there is mu trouser. latkets in many styles are commom. The women's dress in miny reoprets resemblas that of the men. The pelticust is met miversal. The hatadress is aften oxtembed, ar as to han!er aracefully down the hate. "hat show is mot always worn ; indeed, the hmmbler classes ate somorally harefoned. With them the blanket is often a patial. The black colours of Enarire are sellom seen, bat indigo hhe is commmon. "therwise white, set off by eay mamins, amb rich wotis and shawlo, is the prevaling eolont. Is a Whole the national tress is phetmesque, aml a holiday coowd has the appearance of a flower-garilem.
derherdere.-Thas is not wemerally remarkalile in the homblar dwellines. lat the diangetio delta
 tages, heing covered with croperas are pieturespur. In the morth looth walls and roofs are of indorated warth, thee elliwt leing atterly plain. In the somath
 in the eition athe towns is divomiliad in a manmer
 not invented any atyle for their maldinge, exeept at l'alenta, where the private homses hase a sately architectore suited to the elimate. Otherwise for their ehmelnes they have alopterl the fiothis style, :om for their civil structurs the lealing slyes of
 Hert at (alenta :und Bombay. It Malras, in Rajputana, amb elsewhere, they have ureni alajtatoms of the ohd oriental styles.

The indienmous styles of atohitertare for many centuries have berof the rhiof mataments of the lamb. 'Their study lits been wreatic elucoldated by
 boldhiat erat for the preceding or Vedie ara there


 salipnt puints maly.




 makked ly gatewats oftom of arment heanty: acomills, the lat or pill:ar. wermally monmmental :


 ondinaty interest. (hue tower maly, that of limblla




 Fomatns of fracom immenmely valuabla to the - 1 minnt.
 the Eantern Fimalayas, in sikkim. There the
 cotta: anf the monasteries are proterem from the show by umbrella-shiped rowio. In Nipsil there

 inter the exquisitely-tiaprime pioulas. with rilded
 inge of the mast mathrate aleaription.

 ism heiner conate faths. lint simpliaty leosim to be lost in ornament. bistensjes rembins ate dincovered on hill-top fir removerl from one another-Paranath in Bompal, tha in Rajputana, Satranj in kiathimwar. 'lobere is a lioposition to congrerate small temples in great mombne on hill toln, so as to form, it it were cities of the gots. The seneral etfect of thase, lanwerer. is not fictar-
 ribhed, with a cimular addition ommething liks a rose on the apes, surmonaten ley a thinal, su that the general eflem in not unlike a fire. Arehes aml Tomes becone poniment featmes. Elabmate ornamentation $i$ - intronimed into the stone masomys. Fillars and leacer towers of great heanty are erected.

The styles which fallow are historically Ghahmanhe. In the Himalayas there are two styles: ont in Cashmere, with Himbu athotites. hat with greater simplitity of ontline and of metail in eray limentone; the other in Nepral. with C'linese anil Burmese aftinities, the mont strikingexamples being those of temples built in stories. with sloping rows. eoprer-gilt, and projectins eaves; the walls Ining often of enamelled brickwork, amd the wool-carving very rich.

The Dravilian style prevals in the sonthern penim-ula, where the Timil hamane is sponen. It is alled after the ohl Wrabilian race. which has atill a distinctive existence in this repion. Tlie towers of thr tomple lone the rommbed amb spiral forms, and beeone neaty lyramibal. The temple endosimes have vast grateways (guparas) of comparatively square shape, though marrowel towards the thly. The surfice ornamentation, thomesh very tine in sone respects, is on the whole erotespuely profuse At somm pmints, however, the ralstone senlpured figures ar* shlem. (imanite is largely employed in this style, also the exquisite stucen ohtainel from shell-lintr. The styles heretofore mentioned were devolen] almont entirely to reli.
 tu eivil uses, amb appritro in stately patares, public otlires, pavilions, elophant-stahlese, amb as Forth. This has been ascribel to the intluence of Mohturmedan example. The arel lexomos prominent; amb at Mablaria expeetially there is an arolual hatl of real mangitionnee.

The Chahkyan atyo is named after a linulu Annasty that reimated in the contral fomatn. It is fonmal orimimally in that remon, lont wemberl to Nyones, where its mothest work wate arrosted in their construetion ly the Dnhammaman inva-ion.

 batient elaberation of surfaceommanment exides womler; but in the enemeral ontline xillmes and soljelity prevail over eramofulares.

Thae Imen Aryan of linahmanase myly is mero
 as it alope throurhonat the monthern atm rentrit regions. Its examblen atye varmat many abe too small to he eflequre or simniliotut, lat somat, such as the group near, baynath, in ori-ma, ami that at
 Artistically the Oriona examples are perlap the
here in the whole emontry. 'The forms are inth


 northern Imbiat it is catlod the shiwatit. Thistyle is adiperd mot merely to templos. hat
 tion, to bialares atml shmmer honmos, to fortresse to the dams of attiticial lakts, to tatuellers rest homses, to wells, and to the shations resernim that are famoun amber the namos of bitoli. 'The chomes aml losere cupulas lecome fropuent. Tho batonips and windows are mum to lae almired. Whe palatial summer-homac at losen, in liaj. portana, is whe of the most beantifnl haldinge uf its Kime in the world. 'The monlern llinuly work chietly belonge to this style. :und is atill going int. In general ternas, blatervation of mature, anpirafion for beanty, and artistic foeling hate charace terived the Ilimbus-whether bumdhist or dain of Brahmanic and imparted to their arditectimal achieventent: an art-cnlture rarely surpassed by any mationality.
 into two parts, the Pathan amel the Mosul. It begins with the llth century, andends with the 15th. The early l'athan style, whether in mone, as at Ahmetlabah, near thei west enast, or in brick, as at Gamr, in Bemgal, far eastwambs eonsists, with one motalale exception, of the Himbarelitecture already described, lat adiated for at ample worship' and monlitied with a certain limadth of emoreption to Which the llimbs never attained. 'The exceptions is this, that senfpture of the haman fomm is es elnded, as leeing idolatrous. 'The later Jathan style was hased on nomblem monlels. I'laimners aml wramenr are its characteristies, hoth in tho nom them and the central rextons. The dome, the areh. the minaret are mobly developed: inmed, the dome at Bijitur. in the Weccan, is thr grandest olject of its kime in the worlh, and is equally remarkable for stourtural kill.

The Nernl sty beran with Nkbar the direat in the lith century. At first it appreared in a momewhat Hintained form. Beramet the Maslem princes marrited Hindu prasesese liat it somn herame phritied from a Moslem point of view. and remmed the severe simplicity amb eramdenr of the later l'athan style, superaddiner thereto a arace amb lignity never surpassed in lmman art. It timet the materials ware real sambatome and marlat intermised. Lant by derget marble wan heal mone

 this materiat. inlaibl with precions amb parti
 this the Featl monatue (atarble) at . Anrat and than palare fortremes at Apratall bethi, abl the famat mospres at Ibllii ami Lathore (Panjal) are tla. most remonnel] eximplas.
Tha Indosiamopma stype is aplined largely to tomate, it berase the pration of the sowereigin be erect his tombin lis uwn lifetime. Iesinles this clans and the other chase of stmoture, it wat


 emamel on arthon matorial, with huen of whirh the brilliame am! quality canmot le imitatord in molern times. After the break-up of the Soneat





 clatued Empress in $15 \%$, Imlis is an empire, indelat.
ing the Britioh territories and the hative states. or, in wher worls, the Indian allien, feudatories, and rassals of the said empire from the Tibetan and lartar waterohed of the llimalayas to Cape (omonin. It inchates, tom, every area within their geographical limits, without any exception, except the comparatively smatl settlements lelonging to France and lortugal. The empire is under one - 1 reme anthonity in India-viz. the Viceroy and finsernor reneral in Council. It may thins he divided into two cateroriea-the british temitories, comprising almont thee tifths of the total area, and four bifthe of the total pepulation ; and the native states. It will be convenicht to dispose of the latter first.

The Notive States. - The relations between these and the Britioh gevermment are regulated by treaties in full detail. These traties have been published in many rolumes, and form a reeord of the utmsist valne to the stulent of modern India. some state dos not ordinarily appear in the oflicial tables, though they form an integral part of the empire and are in communcation with British political agents. In their internal allairs they are meontrolled. These are the impront Himalaysm state of Nepal, and the lesser states of Sikkim and libutan. The native states which appear in the otfieial tables nceupy more than a thirit of the area ai the empire, and contain more than one-sixth of its entire formation. They are thas grouped in the census table of 1891 :

| Native states. | $\begin{aligned} & \text { Area in } \\ & \text { English } \\ & \text { Ci- miles } \end{aligned}$ | $\begin{aligned} & \text { Population, } \\ & 1 / \pi 31 . \end{aligned}$ |
| :---: | :---: | :---: |
| Hyrlerabal.. | S2,698 | 11,537,040 |
| Raroda. | 8,2eb | 2,415,396 |
| Mysore. | 27,936 | $4.943,604$ |
| Cashmere. | 30,900 | 2,543,952 |
| Rajputana | 150-68 | 12.016,102 |
| Central Lumiar | 75,508 | 10,318,812 |
| In Bencal | 35,834 | 3,296,379 |
| . Xorth-west lrovinces | 5,109 | 792,491 |
| - Pumjah. | 38,299 | 4,26300 |
| - Central Pruvincts .. | 29,435 | $\because .160,511$ |
| - Martras.. | 9,603 | 3,704,622 |
| , Bombary . | 69.045 | 8.050,298 |
| Tutal Aistive Staten | 595,167 | 66,047,457 |

Hyslemabad as given ahove is exclusive of Betar, which, however, thongh tempmarily atministered by Bitain. is a part of the Nizams dominons, with 17,514 as. m. and $0,597.491$ population. Further, the Shan dependencien of Vpler burma eontain an estimatell jepmation of $2,000,000$, which is not inchuled in the above total.

The relations of the native prineen to lition anthority liffer very wilely. Some are practically indepentent soverigns, except that the suzerain power floex not permit any of them to make war on one another, or to form alliances with foreign states: while some are under tolerahly strict control. Ia rule they envern their states under the alvice of an English resilent appointen by the Governor ; eneral. Thas at evary conciderable native court there is stationol a British agent, political or liphmatis. Thereare in all alont 30 states, allied or fendatory, great and small; they are diviled into allied ( with 20.000, 000 inhahitants), tributary (athout lifty, with $12,060,046$ ), and protected (aboit ninety, wih 18.0100 .010 ).
Another rlansificatim is acomeling to the religion amb rane of the native dyanty :
 a memme of $x: 3,3 n, 010$; and native armies of bit, ow men. The chinf states are: (1) tiwatior or

 Thue are llimeln in faith, bot may conveniontly ber distinguinhel from the other Hindu tates. Sie Mah:ittas.
11. Himbu, hearly tmin momher, with apomlation
 mative ammon of 188,500 men. Of these the chief ate: (1) Mysore \{r.v. : plot. $5,(60,060)$; (2) the Rajputana states, such as Claipur on Mewar (pop.

 the Madras states, such as Travancore, Cochin, Pulnkota; (4) the Bombay fembaries. over 30 in mumber: (5) the lesser states of Central India, including Hewa and Bmolelkhand: (6) Punjab, states, including the protected Sikh states, ten larger ant live smather, Patiala lueng the largest.
111. Dobammedan, with a poll of $14,0010,010$; a revenue of $£ 5,000,000$ : and armies of $7,0,0: 10$ The greatest are : (1) Hyderabat of the Decein, on the Nizam: Dominions (q.v.; pop 10,000,001, of whom three-fourths are Himbles, though the dymasty
 s(o, 600 , nine tenths Hindus by faith) ; (3) Bahawalpur (pol. 500,000$) ;(4)$ some nineteen others with a mollective pop, of $9,000,000$.
IV. Frontier, mainly Himalayan and eastern Bencal. - (1) Cashmere with Jamin (pop. 1,:00.000); (2) the Pathan (Afgan) trikes ; (3) Manipur (ןop. 200,000 ): (4) Bhatan (fop. 200,000 ) ; (5) Nepal

The fendatory states (excluding Xepail, and without comoting small states with an aspregate of abmit $1,0 \mu, 000$ inhabitants, which have no amis:) have tugether armed forces amonting to 350,000 men, ind 4300 guns. The flower of this army has on recent occasions heen placed at the dispisal of the British govermment as paramount, and is virtually a part of the imperial foress.

The sum total of these fonr categonies would bring the population up to 60 miltions, and the tutal revenue to 15 millions sterling ammally. These states are loyal to the brition crown is paramont and smzerain. Their loyalty was prowed during the imperial erisis of $1857-58$. In the ascreqate they furm a preservative and constitutimal force in the country. The British quwernment takes a paternal interest in the welfare and sool swomment of these states. Mixsowemment is effectually prevented. Colleges ant selows unter british anspices are estathishell for the ehucation of roung native princes.

As dexcentants are frequently wanting in these oh families, it was imprtant that the prineple of adopition should he recognised. otherwise the state might on the demise of the native prince withont issum lapse to the Bitioh government as paramoment. All fears on this accoment were set at rest by a tecree in 1 sis sanetioning the right of adop. tion accomding to Hindu or Mohammedan liw.
The British Territories. These, containing (with Agmere Coors, Britioh beluchistan, and the Anda-
 broken op into eight main divisions for civil government. They were orisinally in thee divisions, called presidencies, whim have herome historic-viz. Bengal, Madras, and limulay. Theold presidencius of Madrasad Bomhay still ourvectanits of government unter governors in cuncil is of yore; lout wery area that does not specititally belong to them is ansidered to belong to the Bengal Prenidenes. The last-named prenidney, being maeh the largent of the three, has been smbivided into several divisions. Of these subdivisions the three principal ive liengal, with hehar and urisat the Northwotem lrowincer, with Gudh; the lomjah, with Deflhi. Each of these i umber a bientename wermer. 'lhe three remaining subdivisions are the central Provinces, Assam, and bumat, cach under a chiof. eommissioner; of these the Govemor-general in Comail is techinimaty the gowemor, hat he delegates the freater part of hi pewers to the elief-commindumer in earh cisue.

The subjomed tahle thms shows thene math tornorial divinons, with their areas and popmbation :

| Fresturicter | Prowne |
| :---: | :---: |
|  | Bengal, Behar, and wrasa |
|  |  |
| Bexian. | Pumatrad letha. . |
|  | Cientral I'rowinces. |
|  | Burma |
| Malki= | Madra- |
| Bombay | Bumbay wath simi |



| Atenin mi, me. | Yoye 1 wet |
| :---: | :---: |
| 151.513 | 71,346.!m\% |
| 107, $51+3$ | $46,1005,1025$ |
| $110.18 \%$ | 20, 260,45 |
| 96,501 | 10.784, |
| $4^{4} 4,164$ | 5, 450, 38 |
| 171.430 | 7.605,560 |
| 141.18:1 | $35,6341,440$ |
| $1 \pm 9,1: 4$ | 18.801.123 |
| 94.8 981 | $217,537,164$ |

Besides these there are thene small detached tom tories-viz. Ajmere (in Kajpmana), Coms, and the Andaman lslams. All this is exelusise of the Berar province, which, thom under British ath ministration, is a part of the Nizam's domimions.

These figures, darge as they are fail to give a delinite impression of the enormons area and popalation under British athonity in this part of the globe. The districts underdirect British alministration have an area almost guite as large as that of the Enited Kingdom, Anstria-Hungary, Germany, France, and ltaly together, or more than seven times that of the l'nited Kingriom. The area of the native states is as laqge as Norway and sweden, Spain, Holland, and Belgiom pat together. In population British and fendatory lndia together have more than all Enopran states together. amitting Rassia only. The Rritish territories (withont the native states) contain more than one. seventh of the inhabitants of the entire globe.

Muchinery for governing.-In 1858 the govern. ment was transerred from the East India Company (IF.) to the crown. In $15 \pi /$ the Queen assmmed the title of Empress of India (Kaisar-i-Hind). The government of India is in the highest resort vested in a Secretary of State in London, who is a member of the cabinet, and has a parliamentary under-secretary and a comeil of ten to fifteen members. The exentive zovemment in lndia is andministered ly the Viceroy and (rovernor-general in Conncil, acting under the control of the Secretary of State for India. The Viceroy and Governor-qeneral, apminted by the erown, is assisted by an executive council. emsisting of six ordinary nembers (appointed by the crown), each of whom has eharge of a department of the executive: tngether with one extra-ortinary member, the commander-in-thief of the amy: This comeil virtually sits as a ealinet. The legislation for the empire is conducted lis a 'legislative conneil," composed of the memhers of the exerntive above mentioned, together with members from six to twelve in number apminted ly the Viceros and Governorgeneral. Suth is the "mechanism of the government of India.

In the seseral sublivisions of the bengal Presideney the lientenant-governors and the chief-commiswioners above deseribed, in their execntive capacities, rule individually. Fint two of them, the lientenant-governors of Bengal and of the Northwextern l'rowinces, have legiolatioe romath for provincial legrislation. The limtenant govemors and the ehief-commioxioners are natinly fhom from the civil service of Imdia. The memhers of the legistative conncils are all apmonter, the ene tive principle not having hepn as $y+t$ intrmbural. Mablias and Bombay are nnler sevornors alpmintoll ly the crown. Each of them has an exeentive coimeil, sitting as a rabinet, aloo apmintsal by the crown, and a legivative comeil. With the gownome general, the governors, the lientemant governors. and the members of council. tha temare of oflice is for a term of tive veare. There are promasale for enlarping the seberal leginative commit.

The comntry is dividod into terntorion techimeally designaton! regulation' and 'mon regulation.' In
the non-walation territory minnally more dine tion was allowed to the oflicials both in the eoller tion of revenne and in the administration of justice. But of late the distinction bractiadly amounts to little more than form, ant is technical chiedl: In the regulation distriets the judicial service is distinct: in some of the mon-regulation it is mot. The lieutenant-qovermorship of the Punjah and the seval chief emmisomernije are mon-regnation: so are solne few ontlying trats el-where. The reat of the emontry is regnlation.

The Couts of A/mimistratiom-The larger units are the districts (generally called collectorship in English and zilluhs in the vernatular), of which there are in all the provinces above mentioned abont 254 . Each distriet, if in regulation territory, is under a collector-magistrate; if in mom-regulation territury, a deputy-commisioner. The hean of the district has most multifarions and reponsible duties: he is tiscal-otlicer, charged with rollecting the revenue, as well as magistrate, and hesides superintends prolice, saols, education, sanitation, and roads. In parts of the non-regulation teritory he is also the civil judge. lmit not in regulation territory. The smbordinate oflieers are deputycollectors and assistant-magistrates. The distriet may be compared to an English comnty or a French department, and varies in size from an area tomtaininer $3,000,000$ inhahitants to one with only 50,000. Within the district the lowest unit is the village or parish (mouzeh), accoding to the village system alrealy described. There are abont 570,000 such villages or parishes in the British territmier. In all the divisions of the empire, except Madras, the districts are formed into groups, several to each group, under a commissioner. Of these there are more than lifty.

The Stote Serrites.-The administration in conducted by members of the Indian civil service (formerly called the comanted), the great majom ity of whom are Enropean, thomgh some ate natives. The service is recmited from the suc cesefnl candidates at competitive examiantions hehl in Lumbon: hat sone natives have lieen allowed to enter the service by momation, ami there are called statutory. To thic semviou most of the ligher administrative almwintmonts ano socured by act of parliament. The local civil arvire (formerly called aneovenanted), almomements to Which are mostly made hy the autloritios in India, is compased of Eurapean, Ehasians (the aflipring of mative mothers by Enouram fathers), :mad
 Englaml, especially those who ledong to seicutilic departments. The "reanivation of the nation branches of the civil service. with pay pronotion, and pension, is a fature in Initinily male, :und. tuget law with the state alneation, is henoticially athecting the national charatore. Thus, while thi directim is in Enropean hams, the great man of civil ollicials consixto of nation.

 -ints of the merchants, manfaturers, barioters. lawyers, and other profescional men. This mon oflicial bady, thather with the ollieial lualy,

## INDIA

 is al fitetor in the progress of the romotrs. It is
 are palidishond not maly at the porsidnaes rities. hat alko at all the jrowimeial waluals.
 'mmpany lowame the lablian military forese of the


 buropean trompo of the regnlat Briti-l antus. In the total of the native trons al limitend nominer of Litopeato othees: is included. The foress were divided into three amsers. nitmed after the 'presidencies of Jambay, Madras, and limerat. But in $15: 5$ these rommanali were abolished, and the eontrol

 and Nadtan-tard moter a hentenant-genemal. who is moler the digect command of the commander. in-chipr in ludia and moler the eontrol of the gowermatht. Wat of los haterien of artillew
 amal molility of the amm haw heen vastly ang mented by the milway sistem hereafer to lie menthonet, serecially in the direction of the fortition military justs on the morth-west formtier. 'The ohd forts, which are abo arsemals aml makezines, are maintained at Madras. Dumbay, Nhahibate, I elhi. Aeria, Sabone amd abewhere Fort William at Calentan wan arentilionlly eomsmeted early in tha century. The haracks for the Enroperabl trome have been ramatromed on modern primeiples, and are among the hest stractures of their kind to be fonm? in any romotry. The native troops are
 pecta of pris ami prision, form all natiomalition
 the requente are commamberl ly Enmpen others, there are mative eommmi-siomed as well as nom-commisximud oflions. Both elames are nomally drawn from the ranks. The drill and diseipline are European. Volmutering is larery in vogue among the Enmoran mammatien in tha montal cities, on the primetpal lines of malway, amb elsewhere several batalima hame bean formeal. which ranstitate an btleotive aldition of more than ls,000 men to the military strength of the combtry.

The Iowntime Form. - This wats for many vears furni-hod by the Indian now moner the Fant imdia
 hommarahle citerer, in Is 63 , and the command of Indion waters wats moletiaken by the fosal matry.

 atmiral commanmor-in-ehief: the lnolian treasmry
 arramgement. 'Jleqe is alsa a mabine bepartment


 fermibiliter ratus in the lime clase of hathmos in the

 uf river-matioration, whiolt ean be combleted onty by pitots of lifo-lomer taminer ; and it is therefore
 momth of the trawali, has at smilar atrantage,

 the impuntare of it sitnations. 'I'o these shombt
 tory of Arahia, commamaling the entrane to the



 brialipuartors in lamdon, but plying in eastern

Waters, thm inl andition to the maritime resources of the combtry for wat or wher emoranty. Their
 mannool rhiefly he Dohammedans from the cobast


## 

 of the Indian empire have lnem entablished las parlianment in as series of stathem. The regolations oi the biast ladial (omapiny provilen for civil fro. cedure boving the native bus to he observed in surial athairs, and british juntite to le followed in other attiairs. I'lie supreme comate entahlishord has the erown in the presideney towns of catentit. Madris, amd bombay, towarids the end of the isth renturs. anminintered the Enslish law. In lssis the Enghili qowernment set up at eommission to france a londy of smbatantive law, eivil :aml eriminal, for the liritish-ladian territories. This
 reorent time: and with their help a penal cole, a risil procednre code, and reveral other fomdamental baws hase beren jassed. The legishative work, both rinil and criminal, is hinhly riontitie as well an practical, amd is framed atfer the best models (o) be iomud anywhere $\ln$ Isias a legishative commil in Imtia was net $n$ b. la adilion to this several loeal heriblatures were estahlished in Jsbl, and these may hereafter be enlitreed. Ahmot the sime time the" mprome eomets were aloblinhed, and in their stad llien Conrts were entahlished to control the whole administration of justioe inside and ontside the presidency tomas. Great care has within the lant generation been tiken with the omanioa tion of the native jublial service mater the super'vision uf the Suromean eivil serviee. Comts of varions grames (ower 2000 altorethre) exist in all parts of the distriots already desoriber, wo as 1 b be accemsilile to the people $\ln$ such a sorioty as that of fulia there mast noeds lie defects amd shorteominges in the judieial system, lont on thon whole it commands firman contidence, as is proved lis ble $\times x$ tent to which it is monorlit into use. In lsisu s! the montre of rivil suits in the whole commery hats riaen from l! to a millions ammally, and the value from 14 to 20 millions of tens of ropetes. of these abont two-thirks are fore small smos of less
 million of crimes amb oflences are reported :manally:
 to dral, of whom wer half are emoviefol. 'The stlpresson of panderoblery and whar wimes of welt violence forms a marked foature of liritish administration-hesidex the extinetion of the rriminal protiexs mentioned mmber the leend of
 b Whilley Stokes (mol. i. INS.

 ls,000 is defrayed hy momiapipalities, atol of the remainder by the stato. Furbler. there ate fesides
 to the mmaner of villages. 'Tlite renstathandian a


 is moler an insuretomenemal in earla divinin of the
 ant 1300 inhahitants- which imbiraten the prater ful hatrits of the porple. Gratt rave ham been taken in the sefentifie constmetion amel sumproision of at
 of $2: 30$ Jrisoms, with inhont se.0013 prisumers. inchu-
 at the Andimann lsiamls.
liduration. Tho rexinting systan may be ditued from l854, though varionts eflorts had been mide
lome hefint that date. Commulary attondane ha-
 is com-iderable. thatsh nothing like what it mas

 mans attiliated callews: there are alow two new univerition in the Sorth-wetem I'rowimerand the
 nom reprect-that very many enter than wha do not take descer-: alnout 14.100 pan- the entrane examination annmalls, of whon leo than Buthe take deares. The ehacational intituthon are of apperal kimk. puldic, aded. priate and maded: all together they amount to $1: 84$. 60 m in momber, with is million of sctomars 'These mombers. thomen artmally large are mot so relatively the the powlation. (it thee stmbents mot mome than onetwelfith consint of sirl. The incone comp fomm
 revenues. lowal rate- and ceser, municipal fomb and jeen pall hy the parmo: the total amont- to $4 \frac{1}{2}$ million- of ten- of mues ammally and tho

 arts. and seirnce, is thant to the ulper stutentwerwhere. Hnch. however. remain- to le de-aren
 tion is -till in it-infancy : the mative mind reem-a- vet to lean thwal- literature rather than the exact - wemer. thwats the cultivation of the mommy and the imadiation rather than of the reamonis ficulties. lout intellerthal anduity in evinced in a eommemblate dengee There are
 leen oreanime in the apital citas: there is an imperial manema at Calenta, and masemmin all the chiof rition and tomo. The native lansuase, Inth cla-ical and wemacular, are ako cultivated edulouly. A rernacular literature of pimen and elementary wow-, abo of mome alvancel work. chicfly tran-lations, is orinsing uy umber the anophere of the litith anthoritieBiat numbers of such work apterang ammalls. In the whole conntry there are alomit 40 nem:baper in the varim- vernacular lamsuaces. Their totial cirenlation i- not very great, the larest cif
 enjos virtally a complete freehm.


 new-palera, parels. and paekete in in all 37. million anmally. Thi mander is fat incurang: thonsh lawe actually, it i- not wery comiderable in reation to the jumbation. There are open 32.104 mite uf inlant telegrap line- with nearly 3 million- of mo-ace ammally. Thi- mmber is exelnive uf the mhmarime cahdo.

Trute- -The following figure are takn from the Indian retuma, whidh, owing to differemes in valuation ami exchane fon mat aree exactly with


 topicure, total Fi: " the expunt at log millime
 An bsate he mpe wa- anmoximately arpal

 than four fifth- and ni the expmot-mone than balf,

 the expmit. white mote that one latlif wo. to the
 Wher combura of the import the primipal
 Bungtant i- that of metal-: wher impontant



 ingort: : hat the pimpal itwne of expert ate coblete raw cotam, "otum twist, yam, mamo factures, dyes, grath, incholine rice and what
 (ain chictly), tea, woul. Thp wowinu exprotation of
 paten any motion the the efloct that the inmorime population might le in want of sulliciont san temane Ui shipling. 10, and wemels, with a thm
 prits; of there almant the whole were liniti-h, it -matl fraction only loeins foreign. All thi is exchurive of chating tralle, valued at somillime amually. with smaller craft ahong a wot-linw of oono mile and more, with ?ow hatuma, motly shall. There are inthential chanhers of commerve at the pincipal wand towns, mixel Inulien of Eumpean and natives.

Commmiontioms. -The lensth of railway open

 40: : -tate lines, 14.145 : native -tate-, s.35--tutal, nealy labum. The total number of pasemuers on all the lines in 149t wa mowarl of 146 million-:
 million of tom- The srom receipts of all thame

 penser, wear 13 millions.
 hut lecame amewhat ableraben ly ithe intronction of ratwars. Sereral maniticent trmblines have been comotmetel. Oi the tutal lemath in the whole commery (60.000 mile-) alsmot me thind haw been hridged and macalamised. Similaty the railwas: combete with the old hoat trathic on the :reat river. Thim tratic, lowever, still exist- to a whulenforent in eatem bemeal, Where the brate of varien size and halld form a conn pienom- feature in the comntry.
Mrentincturs.-These, whether in metals or in filme, have ahwar leen very fine, ami ares all maintained. The lucal mantufatire of cuttm gombare very extensise. The luatiful falmien of all mots ate monly kept wh. The forejon tratle, howew, hav eluming the lyth century ehothad the develnmant of indicenom- mannfactures. On the other hand it has stimulated new manfantmer. equectally in jute and cotton. Tharentom-mill at Bmbay: whanied on the biti-h malel, with hati-h capital and direction, hut with mative labmor, have been commiderally developed, and theaten to enter into comperition fur the Inalian market. If factory law, on the Ensli-h binciple. lout mot exactly with Englinh prowions, wan paveel in lobl.

 Sative lunaties have all diatingished themelow in thi- direction : drumht amb fanime have alwar-

 westom -hill and cantal. Tlif damese canal with
 Mahanali, the tembario the Kinua, am! the Ka
 the woml. Geat canslo are drawn fom the fia.

 hut litele hard fir navigatiom. The total lometh





millim，of acres，of which wer a millions are wateren from eamats．The eapiad ontlay wh thi－ －mbrome sestem cammot le eximated．hat the Bitioh govemment hit in thin way latid mat
 suaty ont of eloment rembe．The embankine atones bre lower butu－and in the dimgetbe delta
 total lensth of atom 1.00 milos．
 tion of fanine by tate ail．Owing tu exten－ －ite fature of the momath rame at mondically remmar intervalo，dromethe and fanines have
 thoir misfortune with andmiathe fortitnde，and honolh out reveres of forn shoh as fow nation alitio－romb proluer ant thond the anthonti－

 Wan followid of levoling the entire renmres and
 trea or the caving di life．In vears of plenty at
 a－the wit wif emrent income to beet the ares af rotheme diftrew in time of fanine．buring the


 （enta and lombay clected be the ratepayers） have bern established in all the cities and large town－of the empire，their totat mombre beine neaty a thomand．The population moler their
 ammal income to ${ }^{2}$ milhons of tens of rupees ：and their delit to nearls $\overline{5}$ millime－－In many dis． tricth the extahli－lment of eliotriet hamis，bes
 comoty fomernment in England，his heell muler－ taken－incelswo．
 hato for man seav past resedol whatic atten－ thon．The water－work at Cakntat Bumbig，and other place rank high among work－oi thic chatr－ acter in any comatry of the wom ：and the garifica．









 antomp patient．．There are mate than twents
 millime are vacematel ammally．Sinntation is －werwhere a dopartmen of sthe ahmintration：

 and compibol．Tle death rate for the empline $\mathrm{l}_{\text {a }}$













 Hitins and low hill－if the central purime th the


 alone are lesal thater：tha shorlinate bur of the rupe being sistern ambis，and thene of the

 mhlinited ammon date from 183．There is aho
 ing to alnont if millions sterting in valus．The mupe is nominally eynal in value to two dhat linos：and in foriner lats ten roune wer held equad to a puomd sterling．While for Indian phrpmes the finames were genmalls exhibited in rupees，of whith the higher mamber were a hakh in 100,000 ，and a crore or 100 halkis．ret for Englinh parpes they were always exhibited in sterting moner：thos a laklı was rechomed as opual to tlo．0n0，and a crore ats erpal to a million
 were exhilited in Eapland in storling lay the pro－ cens of diviting the minee tutals lay ten．In the then rative value of whd and sitrey this phan annwed well．for semerally tom rapes were really apmivalent to one ！wind or thereatwat．buit haring recent bears，mine to the depreation of the ruper，which has fallan at times to lofow one shilhing aml tivepenee in the exchanere，this pham is
 for Enoland are shown in tens of mper（on R．x．） wherely the emplarimen hetween the ligmes of reme amb of fomber yatro is mantamed．The tinamee then，is shown thes in tens of ranees，for
 expentiture on pmblic wows．The expentiture is inmmed chacly in lndia，hut patly also in Endand for ladia．

| Yeat | Gilase Firweture 1．2． | Eaj*ithlature. |
| :---: | :---: | :---: |
| 10ッti－s | －7． 7 \％ 184 | 77.159 .50 |
| 1－8ら－s． | \％ 5 ， 9,514 |  |
| 10ヶ6 sil． | ol，（1）16，ins | －1，en？ 1 ，6to |
| 158！1－t0 |  | こ2，s－diondu |
| 15143－24． | ．90， 960.214 | ！ $4,112,110$ |

There ate atemations of suphes and haticit ：and after putions ane aspint the wher，there hat

 vean he the depreciation if the rupe．The pasment－ ammally to Enshand atammt to abont 16 milhom aterline－for interen wn deht，pan－ somary ahomances．amb other rhaters This sum adjusted in woh has to lue patil he the Imbian EMemment，whelh hats money sabe sher：and In the low state of the exclather the proments

 has tor romit 23 millions of then of muens：thas it







 ture hat bi late seat hern swollon he the buelu－ finn of the reseipto and thage pertaming the the railwars．

Fixchating the minum，which j－mally paid he the Thinese（eee thre patamap om mima menne hafow the tasation aluse smbarimed amome to mandy $4^{-}$millions，allad bills at the rate of fom thillinge［ur heal fur immm，which is liont．Uf
 millime for the atms arnions，whirh i－about








 Besidme thi there are meats $1: 1$ millioms for wher






 million of catital oulay by ralway ampanies, on whinh the interen was grarantern lis the govemment. But thi hat hern momition by the
 of thene whatateon lines. Han interent chargen ammally may le bown than: in ralways, state,
 tion camals, 1 : wher head, ing. The rate- of interest have been reducel in recent thane, and now ranse from 3 to $\frac{t^{\frac{1}{2}} \text { per cent. }}{}$

Lenk,-There is a atate or presidency bank
 and at Bombay. or three in all. The sotem of -mall savim-hanks has low ereatly extmbed hy the downment: there aro bish she intitutions.
 tens of rumes. The hative hankers, hetween
 ammmaty that ramilien all wer the comntry, with at well extibli-hed -romo of hilh of exchange - Hundir 1 plan of life insmane les government
 Wheh maty be comandath heratter.
 potice on somial and exomomic sromals an well as

 comsints of at prition taken hy the tate from the
 Apart fom this. the imeidnow of tax on the value of the grow produce in realland in rame from 4 to
 In all the promers, wopt hengal and bohar, for the isomment of the tas a surver of wary

 bowine the ownerhip, womather. riehts, and
 and walled the heremel of himht. Thin catantral

 therether contitute the lamen anotion of the Wind aver matertaken in and ase or chantes. Than the gemombent hat rither adomed ik


 existel mand presion- natise mate on mot, which is

 The lambtas is the firt whater in : hat it is renderal salnathe lix the matration in the aras. minent of the tax

 tav i- lixem. The lira is that of ien-ample atter

 and othera. The next in hat where the tas han


 -imilar, -an that there 1 lue tas i- fisenf for thenty



 as commmatien ar emparmaries: this is atslod
 except one is the ligotwari tembue af Matran amd Immba-the exeption being this, that tha liyent or patant proprotor is aremond imbindually for each lied he halds. Similar to this is the temme in Analu and in liantal The village manamation is alnont every here preserved.
bidow the land-ownem, grat and smatl, ate the caltivatora. They are divindel into two catemaries, the oretpancy tenants abl the tenants at will. The fumer inherits hin temmere lat as at me exmat sell it withont the ownersonsent. He is protected hy law agimet exaction and from interference or wiction. so han an hat par the customary of stiphated rent: amd pemerilly his reat camiot be increased asamet his will without a lerifion of a cont of law.

Guinm licerume. This is for the most part levien on the expmation of the drus the Chan: the wery small protion consumed in lmitia is tasal moter the heal of excies. The tax on the exputerd fruge from tadentan amome to 61 millims. The antivatom of the polly ate in brition territory : the $y$ hame their pandere the sememment factory, and thene it is armt the the seabor, where it is taking
 to secure ther revente and 10 present illicit romamptin. llye tax ox expration from bombay
 the nation tates of Malwa and [ajmanal.

The sult-tur is devived fom calt partly ohtained
 from the wilt lahe in hijputanal, jatery from the rock-alt in the lunjab, and patly importel fome Englam. It is the only tax minerally paid ly the jumer, and fallo at the rate of sixpence per heail ber amman on the pophatiom.
Errist:-The Gaming shom whide bed to prevail in the excle on dins and shite, for the manufature of which the matrials are to hamd everywhole in suptamminnce. has leen condemmed its likels to leal to the enowasement of drimheng with a popalation that is gemally temperate. This is being alperowled by it bether

 and firion have dient waler linitish mole. 'ilue lathumer of the hetter clans will eam fom ammas sixpence a diay, the lambler not more than 1 wo

 atair suthnamee. In a family the women and Mhiden enta some wases. (futhing is -ramty and chap: forl lint litte weded, and wan hat "ithout pirnume liont fur contanes is hat liftle hown. The thases of the raral !uyblation, haw-





 with a perpmation mily on lath a- latere lama,



## 

Iheses of Cimtention... With a comutry of $1 \frac{1}{2}$








strance amb complex eivilisation is perexived in the lamian empire, and the stment shomblinghite hy what strpis though the ages this has frem Inombht about. At the hasis of thin immenme somial fablice is the prehintoric statu- of almixinal riters. Of these races many an indietion is still beropptible, and of them some are atill muviving. This status wisa latuely alfected by imomb, bravidian aml other, from erontral Anib, many centuriex before the ('luristian tra. brom one of these in va-jom, whell was dryan, frumer the early Hindin or Verlie system. Whether any previnns
 Vealic system certamly was at rivilised ons. I'his berome overlaid with corraptions, sha, was reformed hy the buhblintic system some live or six centurje bec. Then eame the lireek invanion muler Alexamber the fireat and some of his shomosom, which alfected only the monthwestern pate of the eommate. It was followed ly other invasums from central dia, some styed Batetrian, othoms Sak on seythian, which extombed mach firthor than the north-western renims. Meanwhite limulhism hind strenethened and ex. temblol itself till it obtaned the soveredignty ofer the whole comatir. Thas estalbinled in at state religion, it liatiod for sume eenturise ifter the Chatian eras. 'Ithen it gave way to the ald llimbn -risom, revived mmber ath elabrated form whid shoulal be styled Jrahmanism, amd whirh represents the mosern Ilindming. Jhahmanion after
 till the llth eentury A.b., when the first Dlohammedan invarion tork place. This was followed by mecession invasions, till the ereator bart of
 varous Mobammedan kinghoms. Hany of these kingromas were sulalacd ly one Mohammedan dyatoty kuown as the Xogiol. Thas the Jown! empire was extablished, whloricines most parts if the conntry, in the loth eoutury. It lasted for leso than two centurios, and then leman to shrink. Itr fall wa precibitated loy the rise of the Jahast tian who bromght alosist a rovival of [limhn pewer on the ruinc of the Nomen dominion in the lith

 all romel the conats, lant not fire in the interion, This mate way to the liritish intlaence, which waestallinhed in the mindle of the lsth mentury, and ley the mildle of the 190 h han - mand wer the bength and hremith of the laml, betns coon afterwards formally promaimen as the Indian rmpite. Thos in the linliat of torday are to lo fomme traces
 dian civilisation, (h) a rivilisation ealy Jlimh or Vimio, (e) lindllias, (d) lireek, (f) Bactro. Seythian, (f) later lomethint, (g) Bralmanite or monlern Himln, (h) Mohammondian, (i) Mahbiattat, (i) continental Eurouran, :und ( $k$ ) Britiah. Ther following smmmary will hiolly imfare the pomse of arents as concoming the soveral sames in the natimatl life inn the Alowelophome of the miswi aivilisation whith is seron la-dity.
 withont writhon reand and aks withont roms on


 that intorman- of tribes from withont took plate


 chat rematas with primiliad impleaments bate

 highost antinatrian intorest. 'Ihay hardly indiate

 was sparse ; the face of the country was a primural forest, dotted about will enltivation atm habitabtions. The stather of the prople was small. the

 monewhat large 1 porn this propte, whatrer it maty have heen, two monda were mate, whe loy a
 Sonthals, the lbhils, and wther tribes: the other. from the northewent, called the bravidiand. Ther migin of the Wrasidians is still dombtinl. Thes most have had some eiviliation which spreal wre the whale emintry, and which, thongh ah-
 is still traceable in the somth. 'Iberir rate in its rater form is still represented hy hill-tilues, fionds. Khonds, amd others.
 years b.e.- probatily mmeh mom, purhaps tittem
 acrose the Western llmalayas into northern Imblia thomah the morth-west ennor, and graduallysireted wer the whole romatry. They were, ethnolonically, uf the ('ancasian or Imbofiermanic tsper, with fair 'complexion, thaght prolile, Jofty bross, come preseal munth, tall statmere bint their romplesion
 thair hadihamd was suftened, while their intelleet wis relimed hy the hot elimate. They received the name llimbu from lliml, that puater which thers liret wertan. 'Their langorage, the samsitit, is one of the mos lighly elaborated forms of haman spech. Ther bromite with then the Verlic urligion. 'l'hes frestucesl the satere reqse of the Veatas and the lenionds on which the two great raber, the Malmbhanata and the lanmayman, were fommed in a sulsengent eentury. 'They formed the rulde of
 as that of Nam, or the moral latio of the Mamana priests. 'They rame miginally withont any divisions of aste bent afterwards their surbety liectume

 was held to have a divine sumetion, and was kept - ${ }^{2}$ parate withont intemixture from ernematiom to Heneration. "The two swomber thates wore those of the soldiev (KiNhatri) imel the hamer (Viaisia), inclaling all eivil pursuits. 'l'hese the migumbly tomsinted of those wha immigrated. hat they mont have been largely recmited hey thase whom they




 and tomitmial arangements of this wat are bat slifhty komon, hat there were rigital eities on tha Gianes near the lombern l'ithat and on the site of Allahathat.

The Jimedhist.-As tha fatith smal civilisation

 Lbiddlan, a man of a molle family, in the renion

 lue was a real jueromality. Ite lived abome fon 1.4. "The simplitied amd purified finth at- lar lati

 timetse arved. l'je this time there are mo


 -nomended by a mondited form known as the lati,
 l'mbsit.



 ence on -imilar if mot the s:mme frimelpos, :unl shemd from the we-tern rexinns, whem it tirst thonrixhel, to ather gate of the comatry diter
 rematimol, imb -till contimes an ellectivo faith.
 India fom the moth-went momer, petatrated only as far as the sutlej, and subloed the ba-in of the
 provines of the Panjath athl vimi. lasomel this his inthanees was not felt in the matin jortion of
 arde entered into rolation with Chandra finpta, at linin king of the eastern regiont, whon hat mot

 thepo are historic materials fron (ireek sonfere.

The bertronsuthion. - The direek juvaiorn was -uceented haseral invasions of tribes from emo thok A-it. The buthtancwere orientalised (ireck-

 arresenty. "lohe sakaz of seythians were athe
 peromals, it is heme that mmmismation hegin to flaty :3n indurtant part. Com- have been dinemereil inlloriting line and live of kinse, and dynatios whinh world atherwive be unknown. 'These tribes
 ann? hrlal their forition for mone centuries after the Chriotion wrat.

The Sofior Donllist. - Meamwhilar limbllism
 line from the "hambra (inpta alrealy mentionem,

 thent fath. Wewathli-hed sommthing apmoneling
 donn bemis in the lowar valley wit the fangen.
 - Mratial rommoils, the lat of whinh witled tho rula of fath for nhervance durins sulserputht canturime. For this ara -thote incoriptions come

 malmaed lanlloi-m. Tha in a certain rense the




 ment Jinhaniotan. From the viats of ('limese
 com-inleralate intervale of times, mmel is learnerl bi the then comblion of the eomatry lint whito than


 mommment - in varime powimes, whinla -till atter





 $-140+\cdots 1 \cdots 1 \mathrm{it}$.











 [mamed by the reformer siankar. Anharga in the
 amb inventions. The time of Vikranamlity hav in western phrase heen terumal the lamatomane of
 krit literatmere. This lamuage, lons doad for all matters ave religion, wan jevicol for the tramatand fur mencriptive puetrs. Kalidasa, of this rofo, is anmong the suret singers of the whan time. 'There wers aratehings and ethurts aftor kmswledse in antmomys, medicine, and other memmos. 'Jhe taste system may have dost ite religiom domary for some renturies, but it reained its sombat vitality. Ther Drimman ca-te had helel its own. The nther
 contral Inia. Then for full four reaturite the brahmanie system was reentalilishon all ower the combtry. lit was mumal by Himdn states at


 wout eotst, at Vijayanasar in the somturn lherean, aml elsewhere It frominemd mans - phanlinl finma, the mins of which atelight the bumbern obmerver It was rharmeteried ly a fantantic mothologe and

 persubations muler the name of lajnavalkya. Dinnte coremonial ohservance varymor for erery elans, cramperl the soml. Thas lhe opirit of the pooble was enslaved. their sentimmats were crampurl, amb their thomshts awmotrols. Their
 rather than to the pratioal puentions of pmblie life. Their sondety was inther anfeebles hy the smbjection of women. Natemal and ronjusil
 way. Eath ome of the comatles. opetions of the

 Hatmo circle berame tenaciome of it w wn tratitions, Enaroling thrm athinst all the worlh, anm rather little for anythins extramoms. lomee aros thes spotem of villich formmanition, which was comablilated and hambened hy the reenrming trombles of the time. Eath combmanty wat at hatherhome within its villagro onls, with exheran like that of a simare of infantry. "Thi- institution
 11th and meceerling ventaries. Bat at motety thas "omotituted was maniferty a manly pey for nome Mon invalers. Wuring the lator jari uf thas mat


 the history of the comatry remains to lue writton, in the Finglivh lamentage at latat the nearest


















dans, hat in 13:9, the Tartar Timm on 'amerlame atwaned to Delli and prochaimed himali emprom
 his hescemant baber revised it, and herame the

 Bohammeltan states in the upper half of lublia, itnd bomane mume in reality: hat the states in the smathern hali prespred indenembence more or les. bahers mamden. Akhar the cireat, mate this empire ethetine with the aid of a liman minister. Tombr Mnl. Il, wa- prothin the greatest somerem that Inlia ha- rever sem. Ilis eonle of regulations. the Avin-idiberi, is atill thelied. His reisn amd
 their arehitectmal reman. pince an artiotic culture harlly suraned in any ase or chmotry. of thase three the last wa- Commgelve, a man of
 In lis time the empre heran to shake, and a new Hindu puswer was set up-1har Malaratas. After hi- death in 100, the derline and fall of the Mombl empire set in rapilly. In the wemeral rataclyan Whill followed fonr ired Mohommodan kingdome rone th the arface-ri\% that of the Notwat, Wiair of Ondla, that of the Nizam of Hydembat in the berean, that of the Natwat of the lamatie. that of llyder Mi and Tippoo at seringatatam in Mrome. All fons ate mach heard of in the lath echary. After the fall af the empire the titular Givat Marnl memaned at Welhi till 10.7. The Dohammedian sytam incolented simplicity of faith and momas. It was hitterly opmosed to ahthatres and was at fira icomondiatio. lant in the end it astemberl thation to Hindmiom. It fairly reperme the landen propery and rmbownents of that religion. It introngend nome freds intas, and
 improwe notion- of statmman-hip the uraniantion. Whowise it proluced but little aflert upon
 lamgher and it, own riminal law: lout it main. tained civil laws and enstmes for the most gart. It mulartonk buphlic instrmetiom same that which was Jowlem. It planted Mownomall ahout the combtry, hat did not consert the indigenons people in lage munhers anywhere exept in one pather. That exerptiom wat antarn hamal. where the
 this came almont is a fuestion mot seltom. It bas been comjowtured that budhtivan anvived hare withont cate, and that the inhaltitants were not mowilling 10 alopt Xhhammamism,
 antem bungal pormlation has mulaphed till it


 an lang as it wis rechited from trans. Mimatay racions and the hatre? math: it some lont it
 genmation t" gheration in the bet wantry luthe the momatian.
 agatue the Mohammodan homation was lewn in lian ley sibaii in the Wintern thats. That








 wherally well: :und th the meth of them it
 peramaly still, it hatl lome civilizittom than ally
power since the Vadic Aram insabom, and it thew many pats of the comatry into comfurion. Cuder

 as Pimbing: huring this haphas time oremred imptions under the lemsian Niadir shall and the Afghan Amed Shals: but thene insabore eame. slew, sachat, atevantat-and mond hatk agan withomt germanently athecting the comatry. ha the
 arose a frex aystem in the lomjab-vis. the sikla. A prophet arose named Bahad Nathak, whopeachad a reformation of llimhism. He waw followed le Gowind Singh, who entablished the syombere fore of amo in the lunjal, and ewen an for as the dumma. Thence arise a sikla dmanty, whim lasem till the midhle of the loht eentury. This csomtially 1 limbu power ant ofl the Indian Mohammedans fom what had heen their original have in Afolhanistan, and loft them ioolated anilat their fues.

Thr Cumtinontol Earmaran.--]n the time of the Monals ami the Mahratias several Eumpen natimalitioe appeared in fmatia as travellets. tralers, miswharies. The buteh had seseral sethements, of whidh the mumbery still remains. The loutuguen, after the dianombion of Vace da Giama, eontrolle virtually the whone west const, exepting bombay, then a small place. Their bealyanters were at dina, on the chast south of Bomblay. which hecame a town and a hatome of


 forition of the French rivaleol that of the Endivis: the wame hetween the twatatoms weqe earied into the Eaxt, amd the emten was waged on the waters as well a - on the lam of latia. The name of thas weat Fromban Dmpleix is respected he the liritish in India an of the worthiest of fomm. Thus the brition had to compal simblamonsly with Firenela


The Dritish.-This hergins in lie a dominatinu
 Clinemar the Mosul, which gat bogand the

 India Company had luen selthed in India since
 the emant at Collentha, Matrar. and Bumbay. There sere into exaldi-lunents for fighing and

 behar raiend the company tomaties into a Aominion of mathitude. Thas the emplany in the later hati of the einhementh emtary

 ware fom lowery, that is hy lis. when lowna, inder the last of the Perbuat fell whe briti-l, the

 nor in Simal. Within there limit- it had acyured
 diantret- on loth side of the permimala. 'The




 with all lomomr. It wan matathing many mation -tateo, llimin and dahratha, in the salle jusition.
 ing, Xopat, the me Ilimaliastu state which wan




had herh fompled hy Clive，preserved during a



 Whoughont India aiter emonais of intemal war amberohution．How far the Eat Imdia！＂mpany wa－the thgesem in any of thene transactions may be a eontruervial quertion．It was ofton inducel to participate in the eontest of hat hatire states amme themelves：in selfeletence it hal to fisht the combinations formed aqainst it very exist ence：amb heine the vietor，it hal to dend with the vampinhed．Thas hy varione means the falric of it－dmanion rove．It had raveel a later native army and some Enoprean forcer of its inno hat these had to Ite sustined hy royal tromps ivan Englam：comeqnently on each renewal of its elarter the combuy bimenl more and more umber the ematrol of the britioh arommatht．The mext imperial tep wa－in las，when the firat Bamene war accurrel moler Ambert：it ended in mone arquitiom of ternitors．Which was the hegimine oi a new lominion across the waters of the Bay of Binnsai．There was thon a levelopment of peareind aiviliation maler Lom William lentinek till 1 sas．

 mean－oi gharling the north－wetern frontier．This leil to bhe lith Stehan war．after wheh the Briti－h －vanated that comers．Thi waz the first chack in a victorions career of eidhty vears since lyames． There remainel the hatin of the hatus yet uncor－ quered－i．e．Sind and the P＇unjal：the former wan conguered mader Ellentmonash，the latter modar
 two wars，in which the sikli－were the asgentrs． Thux the sikh hinghan on aldy［wmmed ly lanjit singh aremmbed．Then at lepusth it was sabithat not a shot emhl ho lired in anger thrombout India withont leave of the briti－h mommont．luhar Ballom－ie alow a second war hoke mut with the Bumese：the realt bxtembed bitivh domimon over the delta of the Irawali．It this time all the work of peace．horal anil material．were pro． serutol．Shorty after J hallom－ie hal hambed wer his charge to Conning the mutiny in the Denqal native army lroke ont in 1－5．．

A crixi－aroe of wheh the dimmano ran ravily the ganged he the realer whol has followed the varime fiet alreatly oct furth in this article． Siter the necurence of some Volatel matinies in the bengal native ondiery，gembly mathers． durine the carly part of hat the native purtion of the gartion at Morput，mar Jothi，loroke ont on Woth Way：the Earpean sarion fatiol to pewent then，and the mutinem－marehen straintway to Dedhi．and were juned he the mative tronn there and by the city mol．The relablat up in raperon



 the whole nation army of the hencal l＇m－illenery

 at all．It that time thas natis．form manherid


 latter，howeser，wors matuy tronn calloll irrewhar． A laren part ai the imeqular trun－remained




 ever，tur，whe wer cathond wor mans－tations in
howd prasinces helat fort－arernals，trathame They were armen with Britixh watmon，haw burd
 of mad atrillery，of a great mumber of cataly homex ath wher trament．amb at wat sume if trea－ure．In Hindu－tim，in（ hadh，amel in parte ，io Balna，thromgout the sumber the lintia hawer was innalated at certain pinto．onch ac thre camb
 furtresses at Agra and Alhahalad，the weal，fortiti－ cations at Lueknow．Elat where the Linmpan manintarey with their families had hum dithes hilleni or honted away and the erourt homes with their recork hurnt．The dinatar axtembed wer at leant all area of 100,006 sp．m．with a pepulation of 41 millans．It ocearred，tom，at the wors spasom of the year．If not spedily stamped ont the fire must preal over the whate comatry．The yar wa－a centenary of historic erents．It was fint one landred years since flive fommen britioh Cominion at Plasees，ame two homelrel sime sivaji the Mahratta struck a deally how at the Monem power．Many an enemy thonght that the knell of the empire had onnded．find certaimly，nule－ the rabures of the biti－h leles could he hronght （1）hear ujw the rene hi rewht within a few monthe，the Britins anthonity womb harmed to it．three original seat－namely，the previlency towns reating on the sea－haral．

At that time there were＋11．0no Fineman tromp－ in the combry．Several thomamb men on that way from England to＇lina at Lool Elwins If－ posal were with his conferation，diverted lo lomia． Some 40，0，En Engiean soldiers were Ampated from England rond the cape of（iond Hope lis a sea－vorase of 12001 miles．Meanwhila the dis－ asters at Cuwnure nul elewhere in Ilindintan had heen partially retrieved by Hemy Havelock． At the ombet in force，larely chanting of
 －iese of four montho，the place was recapthed be a－ault．The communcation－hav bean maits tained fontinumaly with the l＇makh，malar dom Lawrence as a have whence reinforemont－were derival．Native traps were rained from the hatal Prujalo in place of the matineer－of limmotion． Lucknow，for a lone while after the hath ai hemy Lawrence herieged hy rebels，was firat relieved abid
 Cohin campell．The di－tricts were smedily rowelpied is briti－h authority．Thumg many inthential individuals，some chick and primen， and some clases．inchading the worst part of the mot，had joined tha releolion，or wather the militar： revalt，till the mass of the beophe in these divaide had remainel passive，and ranly retmand the the allegiance．The principal mativi prine and hair
 Within sis menthe of the omthrak the inanerial dancar was smmoment，thangh tronblas lated here and there，and the mants mombered ion mome han at yat，everoially in the hilly bart of
 relwollan is rechened at 40 millions aterting．I＇nlike





 imprrial dualition of their rame．







bility．Certain rhitk mear the arobe of the ont

 at britioh poliog with regatel tor the right of aloption．＂The ambextion of omils，lamerer
 comphimator to exite matiny，and to thon it to pulitical atemant．Thin homelat almat at very

 maver hy themmelven have homeht abont such a arisis ac that which has hren deseriluol．The prime，the fimmannatil canso was a large and simple fact，mamely this．The native finces were mon tow large matively th the Eurnpan．There Was unly one Forolean mblien to six hative solliers．whereas now there is mo to two．The －epoye then han tho phyniral foree in their houds， amb they knew it．The distrimtiom，tam，bli these
 repry were，as alrealy seoth，in ware of the statinn containins the state resmrees，civil as well as military．It was the semse of power which rave them the mind ta revolt．Their interest，inclant iny employment，pas，pension，and the like，were indeed homal un with the Jipitiols male．The Eovermment was wer－slow to leblove that the men would revolt to the dearmetion of their own pros． peets．liat thair condmet powes that there are moments when relionom－fanaticiom，national－enti ment，prites，and pasion will preval oner self interert．Tho bermence was omly a phertion of time．and many will wonder why it dil not haplen before but an analysio of historie cirembstances wonld show that never hefore had a eomplete
 of trosw had oftom wemmed ibeaty，and had heen owerome．Thas the lintish anthorities canes to le
 tembed the event－of 185\％．Biat after the storm hat
 amals of the mation，anm the listory of the time is ather with genins，vitonr，and eapacity

The crinis past，mo time wan low in rentifying the military fanlts whieh had rembered the revolt posilule．The native tronjs were realneed in
 The physisal prombmance at all stratesie points wan phaned in the handm of Emmpuan soldiev： ：um ：thont the whole of the artillery was manmed les Europran gmmera

 athar，were male．The Eint India（immbay，the Ereatest comenation ever known an himery，ceasen to evint，and the covernment was anmated hy the



 foree was dombleal，while the mative form was


 wi the staterge and lominant jusition，an that
 domimion wia comsalialiterl ber the worls of
 Natyo，Nonthmonk，with material impowerment
 sooml dighen wat was waterl，wheh leil whe





 dominjon imal the motire bexion of the lawimb
in India in eontact with Coma．The year－Is！le－9s，

 cesofnl wat on the borth－westem frontiay britioh evilination，hy lemination．by peace and order，bey ellumation，by worlin of material junpmement，by Weatern inteis，is monliliug the mini of nearly ath the nationalities in the empire．

Howk nf Jiffornof．－There is mat slace here for attempting a review of Anglo－lalian literature，which is very estensise．Fone few works only will now le mentioned，which are of a comparatisely popmar chanacter and are readily accessible．For histors，the licst－known works are thinge by M lill and Thumton，and the slonter one by Marshan．Retgarling speciad periond，Mometuart Elphinstnhe，for the Mosnl era； Keone，for the decline and fall of the thend empute； Grant－Iutr，for the Mahrattas；Mallesom，for the Fronch in India；Kaye，for the first Afghan war：Kaye and Dallesun，fer the war of the matinies in lang－in；＇1ronter and Maine，for the Victorian erah．Much light is derivalle from the hongraplies of＇live，Warren Mastings，Metcalfe， Macmlay，the Lawrences（Ienry and Toln），Mayo，and Ihalhoncie．There are also reent histories of halia from the carliest tines by Troter（ 1 sent），Talloys Wheeler （1591），and HI．（t．Ǩeene（1893）；uf Ancient India，by
 I Ontinion in India by sir A．Lyall（3d enl．1salt）：of the Iontugnee in India，by Iansers（1si4）；a serises of ＇Epoch of Indian History＂enlited by J．Ahlans；and valualde papers on the Indian Mitims，solecter ly


 Intio，by Campleti，Mantern Inline wnd the Indiuns，


 （1stiB）；The Protected Princos of Sindin，ly W．Lete Witner（ L＊：4）；The Latud Recenue of Inder，ly Paden－


 （Is＇to）．To these shoula be adiled thee reports ly the govermment on the moral and miterial prosteon of the chuntry，and the volume of statistiec phlidstand ammally hy the Imelian onfice in L＇smlon．＇Tlu＊，Jomentl eit the
 quite a mine of matcrals．Pome lygh i－thrwn on this great subject by＇Pond＇s Refusthen．Lajembalal Mitra＇s

 Rííurimutno，abstracted in Engholı；Miax Maller＇s athalysus of oriental rediginss；the tramations of the sacred lowoks of the least；larth＇s liflighons of Jubite



 Inden Adehifecture．ludian architecture iv ilhostrated
 de．Amb sed amongst others the followng articles in this work：

| Atohnuistan． | （1） | Y Mabics． |
| :---: | :---: | :---: |
| Alitat． | b，Mlionsie． | Manattas． |
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| bemenal． | Eiout lumat | －ハ1－ |
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| 1atamat． | Gillets． | －ir．t． |
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| Cusir． | Јぃぃя | Vialtors． |
| ［19） |  | W－1／－W？ |

（1）ylun．
J！3：
haliab． y

Inelianal，the thirty firat－tate ai tha American Inobi in areat，and the ejohth in prymbation，is




 Which it is－bianated hy the that liver，and on the

of livi－ima part of the was．It ereatert lemeth
 140 miler，and ite area 30.350 ar ．m．The comet


The surface of the comotry has a sisht shope fowark the west and anth－west，the hishest pint， near the enstem hamary，being losh iect athe seaterel．Jranase is in four main diremoms： throngh the it doseph liaver to Lak Michigan， the Mamme Liver lo Lake Erio．tha Kankake liver th the Mis－iwiply，and the Wahand and other streame to the dhios small－treathe interect the state in every direction，and in the mothem part there are momemesmall lake－．The morthem half of the state is gemally level，except fon
 tween freams．Hill：increme in fremeney from the centre of the state the thath am arotherant，
 almont contimans，with deep worgen and river． Imotums letween．Mnch of the north－westem resiom－is immdated with water the ereater bart of every year：lom this land in bins actively rectaned In a－ratem of aramare．The fertility of the suil， whether clay or samix bam，is ereaty ineremed

 we．

The mineral include conl，lus and hematite iron Gre－and－tratitiol lime－ones and sambther in ahmiance，onthre heds，kaolin，lirectays，aml sume gond．The actan workalde coalfied covers an area


 Whek coal，althurf theme is alon almmance of
 tiell．the centre of whelh is in I belawan emonty，to milo NE of Indianambli，haw bendereforl ince
 busines of sullling it for fuel，there being 395


 Ea－rexion and in the dinule within reach of it： pipes．it berame for a the ahmat the exelusive
 ly－and the the supplie－of ya－hosan to sive ont（sen
 theit old impmetance．In lat：the number of tom


 （tarlaniferon－are the ehiof sealamical fombations． The dimate is healthy．hat very sariabr the winter is－rope but shat：and－mmor in hot in the－Itmaids state，as indiant is miknament－





 it－what crode，and hy lowa for matr．Flas atol














 furniture than any other state of the 1 nion．lameny made frem the valuathe timbero of the Wathand and its tributaries In lash thene wege 11 ，心．matho factorime with a capital of sil．tintsiti．Thm salue of raw material nom durine the vear wan
 other expmen，s31．211．is．In j与m there woto

 date（the rembas yar）the manfactmon of the state had indraved tenfold in thaty year．The trate is almost wholly intenail，though Mirhigan cily has trahe with Canalat mavimble river and panal gheatly facilitate commerce．The remtral ［＂－ition of Inliana conatela all man thoublines flom the eint and west to corss the state．In
 tion：in wis，lo，0m．The Wabaris anm litie Camal，the latrent in the［＇uiten）States（tiomilen）． hat 3.4 milso in Indiana：and another canal 15 milest extends．from Lawmondurer to Ilaymonn． The Gho in mavigate throghar it lensth within the state，and on it wer fifty Imblian steamhents Ill：：the Wrabal is navigathe to lafayette，and it hanch，the White River．ion alumt（in miles．

The jewplation in lanis numbered tor：whites and 16.3 coloned． 13.5 of the lattay leener wawn







 The mumber of teacher was 14.204 ，of sehmol． house ！nes：the reveme for the sear wat S．2：35，032．There are a state miversity at lhom－ ington，the l＇urdue Cniverity and state institute of techmons at Lafayette，and the state momal aelool at Terre llante，a－well as a hambed hisula achomb：introction at all thoe in free．Not under －tate control are it univeritic and polleser，and
 of the collese an in the common relank，the exes are elncatwl thether．

The state i divided into minety two emantios． The wherno in acted for four years．The penemal ：amombly，componed of fifty senatore and mos lumbed rameentativen mests every two year． Indiana ha two matom and thisten reprementa



Masturn－Indiana was lisenceen hey ralle in ffisl，amil comstuted part of Xew France．In

 States，inder the general temin of the mothenest territers．wheh later was divided inte the temi－ turies of Ghis，Indiant，Wirhigho，Wimomin，and
 Cnion，ane the stan gevemment wat limally
 of 1 －a：Janery ual podibited in the temitory．


 resiments for the war with Nesions and hatime the

 at livalat．






fond main aremme ratiating fom a central park, crow the others dingomallys. The prineipal hald

 for womem, a lares state astum for tho insanc. and
 and the cily possesses an impoing monament on tho shbliers aml sailors who foll in the cisil war. It has alko two mealial rolleges, momeroms selande,

 fiferen main limes enmoryiner here. The trale in a gricultaral pomber in very eonsidprable. I'ork.
 farge flom and eoton and worllen mills, momeroms

 then coveral with lense forest, wa selentel for the futare rapital in lsol), and the eits wa- fommind in



Indiant Fire, a light white simat lisht, pro. Anced he buminer a mistme of 7 parts of solphom.


Indian Ink. See INに.
 on the $W^{\circ}$. he dricie, on the N. hy dxim. on the
 Anemding tormorn eromaphes it is limitad to



 into the lraty of Bemeral inn the mate amd the Arahan sea on the west, tle hatom somblime nod havard two amme, the fersian finti and the Imd sea. Within theme limite the Imilan Geexan is otimated to have an arem of 17.320 .001 eq. m.

It the diwn of histary the Indian Oewin was
 said to ham ham familian with this zontlem owith it a vory eatly lata. Necho, an Easptian
 lis Joromenta to have sent somm of his ressals.




 nowth of them. that these early nowientore frame
 From a vary emby bater hore was a romation
 the Vorater of Nemallm- ome of Alevatherers



 firu to whern the remblat altwration in the














Heean in completing the linst circmanavigution of the world.

The mean depth of the Imelian Werm in extimated at ahmat 2anm fathoms, or slimhtly weater than that of the Attantio (y.v.). The greatest reptho are in the easompart to the south of the eqnatom, where it is eximated that there are fully 50.1010 s. m .
 sf. mo of this neean's thonr lie between the depthe of 2000 and 3006 fathoms.

The area of land draining into the Intian Oeean

 water 'The rivers llowing from the Asiatic comthent are by far the mont important, amil they eamy an immense amomot of detrital matar jato
 ratensive depmsicof lime mul. Alons the dfriean coasts, in weptlo trom low to lano fathoms, there are weat deposits of er anmomitic samds and mults. and on these an well an othere cobats there are corad monds and simule, and lilue and green monla in tha shithower depths. In tife daerer parts of the ocean, fiar from lame. there are vast hepmits of red elay. lawlindarimu onze, ami lilohizerima ooza. In the Sonthem thean, iownals the Antartic, the bed of the ocean is cormod with a liatom anze.

The temperatme of the - Hefare water of the Indian bepan varion maela in differmat parte of the oeram. whe at the same phare at dithent times of the $\because$ and wres of the wind. In tropial rewions the temprevature usually vales from 70 to sol fo.
 C'ape of Ciend Itaje and wit iape (inamafni, buw. (9)
 rhanges of temberature are witen noticen oll ' 'ily Guamatini when the wind bows ofl shore, for in this way cold and deep water is drawn up along the Anicon roast to take the plate of the wam surface water which is driven eatwand by the wind.

The temperature of the water at the hentom of the larlian orean is very unform ant subjert 10 little, if ath, ammal variation. In the liay of

 these are not more than the fraction of a denare higher that those observed les the Eloullomori in of of amoth latitule $1 t$ is rertain, themere, that this deep eold water is slowly drawn into the Imbian Slean from the Intamia to sulply the plate of the warm surfere emremts blat are driven sonthwam lise the winks. The coments of the Imbian Geean are lese monstant than in tha other wrat oceans, and are labery controllod be the
 somse). Kome of the mont chamanomistic eoral atolls and iskimls ame to lue fomme towitres the






 typural eombinemtal i-latuls.













 lue su: Kıjisht Commambers (K.c.s.l.) of whom
 in mamber. 'Jha latere ai the order is a linht hater riblan with thin whitw stripes, and the motto
 nent waler of the ladian limpine insitutad in lass to commenorate the prodanation of the E!nem of

 matur (the viceros for that timo lurime , amit thee chanas of memberi- Kinighto (inand ('onnmanders
 Compranims (C...E. . 'The motho of tho onler is
 Empres ')

Indian IRed. a silia ate of iron, imported from the l'ervian Giali.

##  <br> Indian Shot (Cumm intion), a plant common

 in almont all tromabal conmbias: a horbacmas and a simple stmu, formod he the eobromg lases of the laree tomexta wate oldoning laver. It helomge (o) tho natmal wher Dasantarar. It Jorives the nombe halian slant form the seod, which js hamd.
 sepd timfle a beatithl red colmor. The rant-stocks
 in Thazil for enmblicent funlitere in thmons and aboresces. The rontatocks of some of ther olber speciex of (anma ate more valmable, yiellints the stared called Tonts-bernui-.

Indian Territory comprives a montion of the resion orisimally set ifmart hy lhe [nited States

 sas, form whinl it in -

 Jivir. amd iv". hy mlialoman Treritory. 'The lime
 lar. and wkhahoma lime loth W. and N. of Indian



 thi - thant the line is rontimand by the merntian
 to the nembian as W. Wand theme s. to the lien
 and E. of Tesan ath] the lablice faml strip, hnown

 djetion of Oldidhoma (q-s.), of which it will uli.











 Lomatory is well watmod, imblishamel hy the liol














 and Cherobros wert remmser to that now homme.
 nathe si severial oftur tribes followed shotly aftom.
 ins to maintain tho dithe of the emontry for the
 wand from the lom Itiver, ineloliner fortiom ut What arm mow Kinnas amd Nobrablia, amd we-twand
 the Judians. tha C'nited states acruired control of

 lutwern the homidians 100 W . and 103 W . Jatey
 nexation of Trexs, for a time erroneonsly reehoned as a prat of Indian 'lerridmy.
 portion of the varions armate to lor allotted to ather Indiantribe or to fredhmen. At the same time. the sominoles, who hal parted with their antion
 the Creelso. Trilues whese hommes were west of the
 these lames. liy cobmont of the Indionse pate at

 rednced lmian " lemitory to it- preant limits.
'The Chombecs, Choctaws, Croeks, Chickinaws. Semimoles. and some of the smaller tribes at on near the (!naraw - bandey in the bontheant hase mate conshlomalde provers in civilization. School and churehw hatr hom rotablished. Theme are excellent farma amb ratole randos and commere has enined some forthold. Ther Mi-momi. Kanaia,

 - lane and during the war somar of thr civili-ad thines ribur with the sumb, and for a thur wem.


 mater trilat jariolictim. The jumbial centoe it



 tilus (with Aosematath of former nesw storm) and the fomaindor and hations on bervations.
 CHEJOKIJA, de.
















 w・リ! К



Ne.) geld commercial quantion of mbliner in Malaya, Limmen, and Central Sirica. The name Chontchome is iron a Carib or tontal American word Cutheler.
some of the properties of indiatruble um-t have heen hnown in Dmerica at at wer early pertiod, hecalle halls mate hy the llaytian of the
 Gintile, are mentioned ly Herreta in hi- acomat of
 161:- luan de Torpmemala mentime the tree which vield it in Mexim, deariben the mule of collecting the sum, and-tathe that it i - made into shes : alkis that the spaniards nare it fur waxing their canvas chok- to make them reat water. More wact information was immished ly. XI. de la Comdanine in las. Indiar rubiber was at list known an F/hastic 'rum, anl received its 1 resent name from the
 bials-leat pencil matke, for whith parque it heran 10 h. imported into britain in small quantities ahont the enn] of the lath century, heing much valued liy artists, aml sold at $3<$. the culhir half ind. Even before this time its employment for the

 lout it was mot till 1 seo that it emploment began (1) extemt heyonl the rabhane on of peacil maks. It- aplication to the manufacture of waterpaof cloth tirst gave it commercial inamenter. Ahout the same time a methor was liscovered of falnicatins article of varin- limb hy casting india-rubler in mumbe. Ite chantiofy am he cilifity, its insol. ubility in water, and it- arrat impenerralility to

 the ervater mmber of its allications it is now chofored in the volcaniad state.

The india-mbiner of commerce is oltained most larpely from cumth America, but consilerahb. 'prantitime are alon prowtel fom leritioh Malia, the hulian Arehipelato, the wort cobl of Africa, amb the Mamitio. Inang the sear los the importof this material into Grat britain were an follows:

| From | Brazil |  |
| :---: | :---: | :---: |
| , | West crast of Atra'a | 43,443 |
|  | Atrica, uther parth | 7,35: |
| " |  | 1.43\% |
| " | Hatisul tman. | -1.98: |
|  | 10ntuzal | 11,246 |
| " | "then Comatrus | -0, $23 \times$ |
|  | 'intal. | -20,350 |




 H1世 *


 cut. (imbluling that from Sy:malam\} and (omen






 faw hom- the jum which tow - ont till rlay havin









Para india-rubler i- the leet, and cemmants the highest price in the mather (averagime athom 3s. per lb.). The ather somth Americion kinde are of fair quality. Past ledian rublur, thush maturally a the quality, i- ofton injured hy alinteration anil carelese collerting.
 -tane, buncesing elastic properties in the hindent degres. Leduced to the temperatmo of focering water ( 3210 ) it hambens, and in wrater part, if not entirely, lose- its clasicity, hout ches not hecome linitle. When heatern, in ing plating in hoiling water, it softens amd hoomes roy mach mope ela-tic than at ordinary temperatures, thongh it does not in any demere dixabla in the water. If -mhlenly stretched to reven or eipht times its urisinal lengtl it becomes wam: and if hept in this butstretched form for several werk- it apmars
 this equlition is realily ent imm thon thin the ats which are nese in the chestie lout in lnmets, A... and the elasticity of which $i$ realil, renewet hatherphication of sentle heat. (of late years, howerer, elastio thrat is unally preprabl with valeanised ruliner. Commercial india-rubler is inoblille in water and alcohol, is mut rated mon he atkalies or acids, acept when the later are concentrated amb lat is applied, hat is
 naphtha, getroleum, benzol, amb the enential wils of turputine, lavember, :um somits. Dany othre erential amd fixed oils. whon heated with rulhur, cance it to soften, amil prohne thick eln-timon- componmes, erectitly liweed-al, which, in
 in than trifs of tims, viche at solution which,
 cloth, we watempoof. What heaterel to ets F . ruliber forer : and at 600 it in whatiliond, at the

 ront funer wer india-mbler ami other solsstance.
Ton purify the raw material it in !nilen fors some time in late tanks, which suftern it and in sme meanor raleases the solid impmition with which it is oftem mised. It is then pat throngh pencrind machines whin masticate and rether it to shent. and while mulergoing thi- oprotion at bean of water is comstanty rmang oner it ath thomblys clemeing it from all imprities. It is then rolled
 heated ly artificial means. and tho invel fom all mathue. Ur, after chaming, the material muler-
 whers, whide cansen the allerem of the sations pinces of rubler to earblather, and ultinately vidfla a mase or lack of mblaner in whel the comChenation is ab perfect that all air hule and other


 maty be obtained. In the manfacture of almat

 it is stated that me fmum if mbine will sield



 "hich yudhe a ont matorial wembline in com-




 during the tramit of the thende arome whin the

leater the indiatmblur. When it iv whem to weave the ere thead- intor choth they are wommi


 "wem into the doth, a hot irom is pareed over the fahries sum immediatels the mble wome it = dinticity.
The mothed for making watepani clothing on


 In this mandarture the eanatehome ha to merges maty and yaried pocemen. It is tiret redued to it shlation with maphtha on ofler ondent, and it is then amalwanatel with other ingenliente acomting to the hatare of the material it has to low appled to. It is then - preas on the surace of the cloth, a proce- fombers dame hy hat, hat mow hemes of :preating mathinm, which apd? it in very thin enate, a thin that with pure patamonding atoms an twelw conts are speal to make the cloth airprome, hat an thin is each mat that the twolve onld meante one ninety-axth paty of an inch: for malinary waterom jarpoes, lowever, five or -ix are wherally suftiegent. Fion dombe textures the choth-a then preath tomether between heary moller- These cloth- are all walemiverl, and this

 heat. The farments are then ent whem from
 rubher cement. which make the eilses adthere.
The variety of eamento now mate mare almont endlon. and every rear the doman for then in fanhomathe dexime and elotho i- increating.
 rubler is mow ased only to a limited extent in the arts, but it in applied in the manamiond state to a rey large extent. The remarkithe change which camothone whlerge- when mixed with sulphor
 to 311 1゚, wa-diacmeted las Charle- dionly ear, in America. in lait 44 and imbembentry, almut the same thone. By Mr Thoma- Hancok, in England. In the procen of whaninge the rublor, as at peliminars atepe, is eithee tum imth slateds or cru-led into thin give ly mathers, and after. wark wiahed. "Jhere are" two primbal kinds of valeminal mblaer, one have and homs in ittexture the other woft and elatio. lot the eane of the fimmer the cantelane i- mixel with alumt one thind of its weight of sulphur, and heated for seremal homes, the temperature dinally rimer to fulty 3 (\%) For the soft kiml of valewneed ruliner, on the ather hand, a made smaller popor-
 frel rent., amb the heat to which it is subjectend in the valeni-ins chamber is comilerably leso. I'sually, Lom, with thi- latter kind, the articles ate made inefore the rublue i- heated. The sulphar is
 timm the mbler is treated with some whintion contabing thi element, sull an the bialphide of carlun.

Athongh andary is the only ewential ingredient




 leat, aram. is frequently mixal wits the mather







 Beltine for mathmery and smmo himh of tuhtime
 camised mblat.

 and resist many elacmiad reapent: ; lint it ham it- elasticity ley cold, woftems by beat, amb i- de.


 becone viecid at any temprature shat aif its
 uble in turpentine, naplotha, and the wher soburnt of pare cantchone: nor eloes nil realily pratmate or anfen it. Ver often, howner, the natumat ont

 mber-mannfactures a large anome of tomble.
lt womld be a holeless tak to attemp tos amedis the many neful pmones to whicli vanamistil eamtchone is ampliet, even if we hat the since to -pare. From the sear 1843, when it wan fin-t mate, to the froment time the vaime patental
 The mete alnalyments of the - pecitication annerted with thi material, i-mmd he the Engli-h
 head (inlanhes will be folmot a lrief deweription of the purens of making indit-mbiber lumes. Lbeth coats aml she of this material lase, lomover, tho objectionalde purerty of pewnting the exaje of mointme from the skin. Ledting, lomeno whed tive, washers, valves, pipes, firi-howe, and ithers engincering apmiances form a lipe hamel of the mibertrale. For medical and surdiend purimen mans aticles are made of this matelial. Gi such an alparenty tucial matter as condaniond mbluer
 fer day, and amother simgle small aticle viz. tolamedponde-is made in another factory at the rate of 340 per diem.
llam onlemisal rabler. temed sulanite, and - Anetimer elonite is mate intu, a what man and
 penhalder. parer-kniver, himife-hamles, hattom, Ne., alm a mbintute for materials like hom, lume, ivery, and jot. Like them sulstance thomedsu, it is fonned into sarions. wijects be monliner. cut
 nmmbers of then articles are now soll. The band colon of valeanite omaments has still a troulders tof twon way lint the hittlenes which wan a fant of comber mate of it a few vears ann smon to lie weremes. With re-pect to ingete of comsilectable si\%, whenite has leen mande into fanitms, amamental tile, and men raik for railromh and pas. iner for font paths, for which latter pmone it nits arfunally. I kind of voleante is mow wry



 it will dry and hamen if real leat is ind ind. A bely

 gralient in some speriat himlo of samioles, amb it



In freat Britalin -unge of the later indial moner







exten-iwely in the lated stater amblrance. In mo-t mblher factories a lare momber of the workbethe are females: and, as mereal will is reghine on the part of the oprative engaget in
 pratel : lum to many fermes who have never learned : trahl.
The limh mito of ma india-mbler has led to mamy attelonste to prohlure al sulatituta, hut nome of them equal in thralihity the pure cant hous.

India:ator-dialdratime a diaram drawn om
 -ngine at work. The ohjere in view is to ancertain the relations letween, and alst the product of the varying pesome and the comenmonine valation of iolume of, the workig suhatare-ateam, exGhave hat misture, low air, or other material. The latter, the vatiations of solume, athe in at - whimber, well reprecented hey the movement- of the piston: the finme, the virying premare, may lee followed hy making the stema, se. prese ont the pistom of a smath side cylimple acainst the bentance of armine if a pencil le attached to thin fistom it will mark on a plece of paper an card held in comtact with the joint as atraight line thacel and retracel with varying velocity. If the -team he shut off fom this sile ex limber the pencil
 the ather ham, the pintom of the main cyimber be mate to draw the paper on card past the pencil point in a diew inn at right andes th the fomer, the varying velocity with which a stalight line is traced and retraced om the peyme will remontne the earving relocitio of the main poton itself. If these two ations be now combine the pelecil will mome, say, up and down, While the paper will oril. late on he momed hackwand and aswarl. The
 an irrenalaty eurved figure which will, in mifurn
 anmamately wrepronce itwif wing cach sue-an-ive wale of the angine. Epon the valen onn whicla the linear trates of the pencil reprement, in


 rent the work hane by the engine dhane etth arle: and its firm emaldes the athal preanes and volmene of the working sulatane to be tated mat for "ath sumonive firtion of the cocle, and


 see artide dis Exide for diderams.
Indiotiont, at perind or exele of liftem rears. the misin of whel is incolven in ohemote, hat
 Hod in reckming time. Mindy hy ereloniastical hixtorians, durine the life of ithamans: it was aherwards adoptiol by the purce, who sill em-

 mithe aso that lat datio of charom and mbla, lecel- of this ratare exprowed in indition an well an in watu of the chatian ata. The lira indietion












of monetions which had claped sinme the first aboption of that methol of compotation.
Indietment. bee Chmivil, Law.
Imdios. See E.se Iantes, and Wext Nmes.
Imoligestion. or DMarmat, fropery inchates

 chance But it is rery common to aply the term lonecly to any digestive dimoler. whaterer its amse may be hu this rome dyangia is a smptom of a multitule of dixesoes, in the description of whel, when it is sulferienty ime portant, it will lar fomm notiond. Funtiomal
 geople, is what will be comsidered hore. Uf this there abr two chief variotien the ofomic and the
 Is deticient secrection of the satric juice and dimmished movement of the stomach walls, and it is uften assuciated with a want of vitality in the sytem. The latter is frepuently fomd in juroms of rigmons and monst frate and of active halits: and in many castes it is to he lunked mom an the revult of an exeess of digentive activity letuling to the achmulation of an almmal amount of acind promet- in the -tomaclo, epeceially toward the cmil of divertion. This fom is more common in men than in women, and is rarcly met with lefore alult lifn.
The somptoms of dyropia dither comsilerally in diflifent imbividualn. ? ? apertiti i often Gnol, and mometimes vallims, hat it may he delicient. For some time after catimes there may he no linemufort : hut moner on later pain comes on in the rewion of the stamad, at titst dull, afterwath more revere. A feclint of fulluse and thas tension follow- atompanied hy hatulent liechate
 fint maty shatimes derpell intonamsen and whiting. The pain oceamamilly shato mp towats the homblus, and mat fon lavn the laft am, like the bain of muina pretmio. From this, lowner, it

 anse of the somath, and pirtly for the irritatim of


 lurn, aut Prusis or water-hath :are common -mptoms which have ather leed dimifical with jurial names. The formo is satil to he camsed hy the irritation of the upper "om of the stmatach hes the funte of its arril comtents, while the latter is rasentially an alortive at of whiting acom-


In the treatment of indixation the diat shomald the strictly randated. Tha. exprime of the pationt is often a better whild as to details than all the diata of the farnles. 'Tla formb should be popherly emond and well maticateol, and the
 long nor tom slant. Where the alpetite is forthe
 at a the: and it in often alvatarrom- fore
 pameratic or peptir extraq. I míturo of amimal




 watal hat, han, tomene ant all granily comhal


 would prataldy do well to andil all ammatime drimks: bat in athur atom a littor rohd weak
hataly and water，or at alans of thl sherry，of a


It is uf artat impornane to attome ta the howels


 chandoe of some and werupation is oi more lenelit than anvining else．In the medicinat tranment ut



 increase the appoter and ainh ligetion．Pelsin is
 he chocked hy hadrominni aubl．ehlomionm，and
 IIybundphite of vorla，sulpharous ated．and carholie acil art well whon the vomition hetemlv on fer． mentation．Fom hatulenee himmath，cardamoms， chamod，sulphocarlmhate of sulimo，hot water，
 in the stomatel the subnitrato of himmuth in drazehn doses ham a wrildmerited reputation．Spirits of chloroform．followed ly lon water，maty also be unenl．The mbentaneonis injection of morphia sives efletual relief for the time，hat it olould not lee emplased withont allice．Jamorous dysepsia， hydrubhomate of cocaino in thes of a puater of a grain his lately locen used with suceess．

Indigirlia．a river in the Nibrian ：overmment
 Hombtains，aml，aftor a mothony comme of sot miles ilormall a dewhate ami frosen denert，fall． into the dretic Ocean in $71^{\circ} \mathrm{N}$ ．lat．ame $150^{\circ} \mathrm{E}$ ． lons．

Indigo（ Cir．Indelom．• Indian drug＇），a most
 blue and very humathe foe the hasinalao of the best hatck alse in womllen e．boths．It has heen used in India fiom a very folly furiml，ant was inpmoted themee ly the arneiont firesk and limmans，but
 anco－althongh lise rollivition of the plant and propation of the dye were deweriber by Maren Jula in the lath eantury－until re－introluceal ly the Duteh about the minder of the leth century．


Indinn I Ilant（Intionofrom thetorin）：


Thar bants that vinh！the lewt indien burlome to the





londien is，howeser．whaturel from flants of











 －tull was whtained from Woul（y．v．）．－I evarote kind of indign，callowl bisitand hadigo，wat alon at me time made in North Ameriat froma the
 （ouse（nathat onder Lecguminomar）．

In enltivatine the intige plant the sued is somy in drills abmat one foot apant at the leminnang of the rany seatma．Hocing amd werling rumire to
 from heing overpmered ly weent．The dirst crop
 The－toms are cut as the plants hexin to thower， and quich！y shont up again，and in this waty two amb somelimes thee cropis ars taken from the same plants in onte seasom．Dmmediately the crop，in ent it is tied in bumbles and carried to the stopling rats to maderes the process of extracting the imbinw；for an icemont of which see lortacis．
（immmereially werkinis，intizo may he said to he the pronnee of Imba and（＇entral Smerica，ats thate ate the only leatities whiel whyly the recosuinen fom of the articte．lingol is the chaf arat of indien produce；amd bumal indico is $1 l_{10}$ mant mitemand，From $17+0$ till the vivil will malign was moll gomma in（ivoreia and sontla （abolinis，hat thareafter tho laitud Stithen de－


 reatre of the both eenthry，whin the thath was




 synthen of an atilicial indien fonn phens lametic acin，a roaltar pumbut ：and Cemmann of Zunill




 the Grownon of natmal indige in bethar amd nder







 Mi－amari，which it ri－its in－mmoner，ant nf＇entral America，where it vernds the winter．It is about


 suncs．





 lin．．．







of the vanom－states wheh it embrates will be foum moter the herdimg Axsin，lithos（with

 sometine mad fir the Dudian Arehipatisn，the islaml to the ermeth－cilet of Aitio．

## Ihdo－Entopealls．Siep Amy

Indorer：at Malratta princijality of India，com－ mining the territmies of the Ilolkin denasty，amd consistine of seseral detached tracto，eovers an
 Sindhits Amminam on the north and bambay lre－ sileney on the comth，it－langth from north to somth lecins 100 mile，and its lreadth $s 2$ ．It is trawed from eat to wen ly the Nerbma， wheh almont liseets it：ley the Vimblua Momb tains，their loftien point within its linitw being 2－80．fent alowe the sea；and by the Satpma Domatains．Principal pronthets，poppe，cottom， tolacen，wheat，rice，millete，de．：principal in dnstriec，cutton and＂pinu mannficture．Fon．
 from time immemorial leen the home of the bhils （1．v．）the willest of the alomginal tribes in India． The llolkar state Railway ronneets the Rajpmana railway－y－ntem with that of Bmbay．The elimate is－ulter，the themometer ranging from 60 to ！o f．in the shade．＇The state was fommondomt the militle of the isth century by Dalhar kao，it soldier of forthne，who served the Pexwa．In 1815 the ruler of the Ifolkar dominions was reduceal to the prition of a fendatory prince of the Britinh lman empire．He keepor an any of stl00 men．

IHdorere the capital of the Maharaja Mollares
 E．long．，I－vi feet alose neathey．l＇op（ 1691 ） 92， 329 ，montly Himtus．Shang the peralt of $1 \times 57$ ， thomb the maharaj remaincel fathfind to the british govemment，lis tromp nantinied on lat
 patice，and butehering many burppeans in cold flowl．The town date mily from 1－70．（＇lowe to the town in the di－thet preedially set apart for the resilence of the Covernorgheral of India＊s agent for Central limlia．Within this district stants a celelrated Eurnman bowpital．

Indorsement，the tem wemally amed to Wemate the writing of the mane of the holler on the back of a lill of exchange of promiswory note． on tramerning or assume it to another．Signins the name－A．18．atome in a hank indonement： and if the tranferee is nancel it is an intorse－ ment＇in special or＇in fill．＇＇The nemal form is
 land it i －lity the montents tor（ $\because$ D）or onder． （Signed）A．D，When gersmat liability in to low aboded the words＂withont resomese are andent．
 indomer，who womat utherwive be liahbe．The wom imbormant is also frequently nom in Eng． linh law to bernoto ams matters writan on inhmed
 derlatitims．on writs of snmmons，心．

Indrat，the mane of one of thase llimha lestion that were wordhiped nome erperially in the Verlie


 tha．oldeet purtion of Vindio jumetry ladrat is a mizhty mate ut the lomat limament，and his prin－ cipal frat i－that uif rompuring the demon Jetem．
 olntinet the charmene of the shy and withatis the fructiving rain from the earth．All his
 the benetit of the eronl，whicla，it the latigutge of
the Seda，meme the gion－men who worship him in their song，and ins igurate him with the ofter inds of the juide of the thons platut．lle is theme－ fore the＂hom of the virtuons，and the＂disematiter of thase who nergect raligions rites，and at the same time he han all the attributa of at watike sod，amil is involeal as the destroner of eitio． During the Eque and lowinic perimis，where etheral conceptime of the divine powers prevail wer ineas liased on denfentary impresions，luma ceases to enjoy the wos：hip he hat aemuired at the Pedic time，and his existenee is chiefts mond hy the poets，who，in their tum，howorer，worls it ont in the most fantastie atetail．A remathalle trait in this legemdary life of Indra is the serien of hi－ contlicts with lirinha，an ineamation of Vislum， which emf，howner，in his becoming reemeiled With the nore important god．When representel in works of art ladra is generally seem riding on his elephant：and where he ix painted he in envered with eres．

Indre．a depurment of France，formen pindi－ pally ont of the westem protion of the ohd pmonine ai berri，lie immedistely antlo of the department of wiret－Cher．Area， 2023 sq ．m．，of which ahmt fomr－lifthe are in tillage aml lature．Pop．（ 18,2 ）
 Hit．and well watered ley the Inder（which llows， fom the department of crase，lion miles nowth Hestward to the loire）and the（reluse．It exom－ tains three well－marked distriets－at stony，womby rugion with sandy ail in the sonth，a fertile agri－ entomal region in the eret，and in the north－west a
 wifli firests．The more motalile producto are wheat，oats，potatoes，thmip，fruits，ami wine． The sheep are excellent as ford，and prodnee firat． rate wom．Dnch poultry is reared．The principal inlustries are ironwons and manafochres of coth， baper，leather，and porcelain．The semartment is divided into fomr arromdiserments－Chatemonas， Iat blane，I－andun，and La Chatre．Tho capital is Chateanmos．

Indre－rt－Loiler a departmat of France， formed ehiefly ont of the atherent poninee of Thurane je cromed ley the Lare irom NE tosti．
 $3+4,921$ ；（ 401 ） $337,294$. it is watered he the Loire and its tributaries，the Chor，Dhtres and Vieme， all of them navigitle．The valles of the Loire is sery fertike，sthded with orehards and matems and vinevards；it is ealled the＂garden of limmes． smath of this lies the manomons but greatactive glatean of Sit llare，numb of it the sterile rexion of datine．The prownets include grain，wine
 ally phans），and hemp．The induatry has never recosered from the how struck ly the Elict of Nimtes．The chaef mandicture are powder，tile rloth，paper，and leather．＇Tlu＇department is divines］into the the arrondiveloments of Tomes， Chinon，and burbes；splital，loms．

Induction，one of the great proceses of acinn－ tifice diewovery inn frome It is the oreration of distomping ind proring wencral propesitions： White dedinetion，on the other hamb，is the methend
 to particular caves embindeed to be indmand within their sonpe．lis induction we whthlish the law
 it to explain why a che kerestow in smane that in winter，ownie to the chathes of the lenath of the pendulum．It sombla herotione that what
 wif all the instancon athe a statement of the remble in one gemeral fromsition－is mot lifl or the mondern recornionl an propre induction at all．

Indaction b tha frimes of real inforence in

 we athirn what will hod in abs unlimited ranse. All thims that we dor mot how hat athal trial
 operation. Dedaption is mot real inference in this mone - ince the general fromition alreats
 deduction the fondanion is mase limited than the premino. Be the induction methon we obtain it comelnim nimeds latere than the premios: we arlsenture into the - 中here of the unknown, and fromonnce unn whit we hate mat yet reen. Sothome i- more commont than the making of han induetim-, and acombindy it i- now comsidered a part ul hexic to lay down the rules fon the right perimmane of thi- great operation. For the primiple and rule of induction, aee Nill': Lomit (look iii.). Fowlet: Iuthetion Iogic, atnd Tomi-
 and see the article Lantr.

Induction iv a tom uned in England to denote the incretins or wivine zowemon of a benefice to a clergman. This is mone by a mandate from the lahom, to the archaleacon (in -mme firce the lean and chanter to make the induction. The indurtor take the clergyman ha the hand. and las it on the ker of the churchedoor (or onne part of the ehurel itelf). then Mems the hom and canse- him to enter the chureh atone. and to toll one of the hells as a puthie notitication to the paribiomer. The in-
 by "rembing himelt in"-ie realing generally on the followings sumbas, the Thity-nine Trticles. and immediately theremter makinir a fomal declaration of a acent to their ductrine and criving a fledee of lis contormity to the rule of the charch.- In scotland the preingtery indnet the minister.

Induction. in Elentridy and Magurtiom, in a
 esor, thepe i- a rertain inlea present - the indea. namely. of our effect probaced at an apparent dintane from the probaring eanes. the efleet heing ewontially a reperation of the eanse Nore ammately -tatm. induction i- the man+ uf a methom ur bumle by ir in whicli a purtionat Electri" or mannetic cinditim i- mate to jaw from on material - - - tem to another withont the inturventiom of any obsiom-material comection. Tlonin -tatio alectricits a metallio home on other conhurtor hrought inte the neightomithom of an
 Hation. Similats, a piose of irm or ither magneti-able metal, when hromght nora a mathet,



 intoraction. Thes $t$ wo findanental rave of inturtion will be fonm trestal in ind muler


There i- homeror, at thim and bery immertant group of eloctrio and maznetio phemomema to Which the nathe imbluction bedong. Thene weras diompored by Faralay, and will loe trated in a


 or circhit- in "hich there with mo - mure of



 on withlrawal in a mannet : or it mats lo prombed


269




 existing with then. - that tha imbuced curmat

 Thicity), the stringth of a curtemt thoning thromgh a wiven circuit lepemls on the ele tamotive forme which exite-the eurrent, and on the reni-tanese of the riment throng whels the current is mate to How. In the ease of induction of currente the edectro. motive ince i- directly due to and is meanured in termo of, the rate of chanse of the mamber of limeof mangetic fores embatend bs the cirmit: and this rate of change delemds on the sennempablat mann of the ciroit and on it, space relations. to the mannetic field amromiting it. Thav the induced rument lepends on three thing-vil. the fom of the circuit, the varyine - bace relation of the circuit and the magnetic fiedd, and the ordinars ohnir recistance of the cimat.
(1) of the zearie-t way- of problucing induced arrent- is to have two coiln of wire one faced inside the other. and to pros thongh the inner or primery coil a current of rarying stremgets. At esery variation of the primary envern a mont is induced in the onter or afomeduy cirruit. The direction of the secomary current depend on the manner of change of the primary. If the frimary corrent is decreasing in strength, the indurel current in the seembary circuit flow- in the same direetion ar the primary in its cirenit f hat if the primary current is inevinins. the secondary chrrent flows in the reserse direction. The hes eflect are pomberd at the 'making amp the 'botaking of the mimary circnit: for biy the eqe oration the primaty current in made to hame it- greate-t varimiom- Thiv in the principle of action of the
 of whelit is Jown in the figure. Ther chils ate womb, the prinary insilde the semoldary, on the

parion marked $W$. The battens wime athandon
 nection with the tommats of the primary a ail las mean- of the commutator, The terminals of the enodndary roplare bixed to the hraw had of the whan pillar-, 1', whely ate fumishorl "ith puinted ral- ababla of mincral motion. The trat way of lowime at the atetion oi this in-trmment is on resat! the pimary morent an
 tha arils. To intmaif the matnetio tield it is unal to intronlow at witom core into the cemte ai the coils. 1 a sietue of masmetio induction thi-


 areaty incraterl. When the primats enrent is interrugen the itom cone lowe maty all it ma:-
 the atroneth of the magnatio tiod an intenme in

it i- only when the magnetic beld is varying that the indicerl plectromotive force exion : ando since in a given secombary cirenit the tomal anrem inducel is propertional to the total chame. in tha mannetic liehl, it follows that the mome atmopt thi--hange the nore concentrated will be thr how of the secombary eurrent.

In the induction coil mattere are sumangen that the imbuced abrent is mationently eonemitrated to pase across a consileralite aireprice, which mally forms bart of the secombary circuit. by taking the terminals of the secomtary einuit in onr hands we may make ourselves pat of this rireuit, and - Murbience the curions throbing sensation of a patranic shock. Or we may attach the teminals (1) the platimm wires of a lieissler tube and prodince the lwatifnl efferts of electrie discharge through gases in a state of great rarity. In most toms of imbution coil the primary current is hoken and male antomatieally, the varging mate neti- -trensth of the iron come heing used tor this prounc. When the primary current passes, the iron core becomes a powerfil magnet, and attracts a - mall iron dise set opmosite me enl. By means of a simple fom of lever attachment this dise when so movel intermpts the pimary circuit. The current then ceases to flow, the iron core loses most of its magnetion, imil the small iron fise thas freed retnme to its miginal position. With this return of the dise the primary circuit is asain completed, the current flows as lefore, and the same order of eflects is repeated, and wo on indefinitely. In the semonday mil there is, of compe, a jowible induced curent at make as well as at lreak. lint, as in such instrmments the eorrespoting magnetic change is not nearly on rapid at make as at hreak, the inducel cument is not so concentrated. Hence, pactically, in working with an induction eoil we have to ho only with the inducel current due to the interruption of the primary circoit.

The Telephone (9.v.) in an intruncot whene action depemh larely upon the law: of electromixa 0 tie inductim; ind in the same caterory we baty inchate the induction latance of l'rofesor
 - mitivenes of a variable current lowing in a cir-- Mit to the presence of a small piece of metal or wher routheting material.

Indulgence in lioman catholic thendes. means a remission, ly charela anthority, to a ron.utant sinner of the temperml, pmiishoment which, in the fatholic therry, romane due after the sin :und its etermal punishumt haw been remithed. By the dimejpine of the first centurise a

 a!u-tacy, murler, anil iulaltory, such simers luing excluded from churd commanion for vari on fromb, in some cave wen till the home of death. Thuse penitential observanes, which Iro-
 -igned, anoming to the thathore bew, an an "xpiation on the part of the penitent for the trup,met puminhment which, aftor in : inn the

 of the mon : wrimomion of the eary controwsiess, the Xhatanite and the Noratian, arome as to the bwer of the charela to rolas thene penitmatial obervathes aml to atmit grimome simars to commomion. Thers :anciont relixitions (of whiels they remat that reformel to in 1 for. v. Stal in



 "xtromes, of wranting unh mations on the
recommendation of martyrs or comfonas, is held ly Catholic theologians to be an illustration of that principle of vicarions atompment acorling to whirlt, in the theory of indularmess, the ehurel is supperd to suphly from the inexhanstible treasure of the morits of Claris, and of the "ondremgatory work- of the saint-. what may be wanting to the completenes of the atomemem of the less perfect but yet tmaly penitent simer to whom she grants the indulgence. That this practice of relasation, whatever may have been its real import, was to be used acombing to the julgment of the lishop as to the disposition of the penitent, i- expresily lail down be the tomot uf Aneyra in 30 ant ly that of Nice in 325. In all casos, however, the person franting the maxiation was to impese certain num works as a partial sumbitute for the penalty which had heen relaxal; and among these works, which hatel at first hent purely personal, came by degrees to be included monpy paments for wrtain religion- or charitable abjects, as the lmiding of a chureh or the foumble tion of a monastery or hospital.

The mane indulgence alpears to have orignated late, the first reconded instance of its nor lneing ly Alexander Il. in the llthematury font the institution itself is found in full development dmong the wars of the ('rusates, the serving, or the comtributing to service in which, 'providen it were for dewotion alome, and not from motives of greed or of romy, was accepted in the commeil of thermont as in equivalent substitute for all pename. Such an imhlusence was called -plenary ; where a portion onls of the penitential worl- was relased it was callod "partial:" ami in order to pint a har to their careosive multiplication and to otler abones hameent 1il. declared the power of ranting "plamy inlalgences to la reservel to the pope alom. hinhop beine mbly antioned to arant the "partial' or limited buthgenos doweribid alowe.


 charel laring the weatem arlain one of the mont
 gencer in the granting of which the contombing peres avalled each other in prodizality. The lant -xtreme, howemer, was not reachal hintil the lesgiming of the lith erntury, when, with at view to raving the funds neresary for the are tiom of the
 X.. publi-hed a phany indubence. the principal comblition for the gaining of whicla was a contribntion to this work. C'atholie historian- contron that in itself anch a comdition wat perfectly juntitialite, amb that if duly eymained to the popple it might le lawfully and even morimionsly complied with: hat they almit that Theral and many mone preachers the imbugence in extolling it natural edtere went to imblemible extmones, ath that, wen making the fullest allowame for
 almace looth of dowtrime and of patione wira committed in Gemany and in Switarland. Homer the deeree of the cominil of 'lient, while it athine that
 the thixtiam peple and apporm ly the anihor

 served, lest ly exresime farility diocipline may be

 of indularenes has bern fondedel: but as the dectere of the comecil dome net explicitly declate what is the precise efloet of an imblacime it is further "xplained by Dope lin- V'.. in his celelrated
 with due dioporition remits not ahom the camonal
 alon the temperal phai－hment which womblat at the｜＂＋nittom after death to he anthotal lọ him in bllowators．


 mit－in or at poni－a af formanme of futhre－int． Thet enmem，momomer，that，ime the bemolit




 the eronl worke which are regnisml as the oondition
 trivial．yet the onte imbi－gnomilhe preliminary－










 wat－lut the culminatine point of mumeral minio．

 1662 am ］ $166^{-2}$ ．Inth of whioh wort equally umpleas． inse the the denters alike in Englathamisuthand．
 Fiomatil Catholic fullow－nlijecto．
 rine in an moxplored reminn in Tibet，near the
 lones．The provi－e－bat is－itil tal 16.000 feet





 wable atal fulbow flat dimetiom．varied by
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 （ontw near I－kambly．in moth wor rinlomere，having












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 irrisation leal he that morthow．The total lempth
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Indnstrial sebools．＇lhin tomin in $\quad 1=1$



 imibutrial art is tanght to the boy duther whe


大＂Howns．

Inebriates．lievisedts form．＇Ther Itabitnal
 nent lis the Inebriater Act．Siss，male frovinom for the licen－ine of institution sor the lecrpion amol treatmant of habitual drumbarls．lis these act－
 of the prater for at perionl not extecting twollo

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Inelolia（lat．．＂ berty of mattor，milly alemphen in Nombars diat haw of motion．which anserte lhat＂He！t lomly


 Wat kamw to flat anciants，atal hy theme attrit．









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 all flat lowati tath and numats，which in



 menisial. The latter datan. lamerer. which doee



 artatal historical immonity form rowe lant aton
 af lionl as will at all times buth protert agathat the prosibility of emom and sumbe ame simect in ther taithfal teanhins of all nefersaty truth. The



 mattar las whon propmeal ; the seromal, in virtme al which she iv chamed with the fometion (Matt.
 promblmenty hombin! to the world the esombial
 Mram, :und of atothotatively doriding every eomtronory ly which the onempen of latiaf atmong the

 He :mothority in mattor of fath with whirl they herewe the chmeh to be inverted, and which, if not gninch in it- wereise hy sheh infallible assistance, wands be lint a false light and an attrative but dingeroms instrament of alela-ion.
such in the motion of infollihility as clamed ly the lionan chmoh. 'Fwo very important and buntical 'pnestions. lamever, arise remading it, hoth of which have heen the oce:axion of mach con-
 (1) thas sulyout-the seat or the organ of this in. fatlibiliw, amb (2) itn to the whiret-the matters (1) which jo extemb.

As to the tirat, all ('atholice have heen agreed llat the lamy of hinhop, marally meaking, thomghbut the choreh, acting in emmonon with the pope. "omstitate the most perfect organ of the infallihitity of the chame : and lience that when they umite in any was, whether asemblay in a general pommel on separatal in phace, their jumgment is infallihle. Than ii a doutrimal dervee was allhressed otheially lis the joper to the whele chareh, ami citheo ex-
 Hain horere wan land to lai infallible. In like man



 lat infallible. In at worl, wherever there is fommel



 hnown li-pute of the sablicem and I ltmomontane divinso: the lattor athoming, the former doming.






 "r ewhorloni that is, when he, wing his other an prator athl lowlan of all thixtians, in virtar of hiv


 Pardre prowatora that intallibility with whind ther
 in the dofinition of dowlrime on fath or morals, itnd that thermore surh drotintime of the lioman P'matil are irveformathe in the ir ann matme and
 linte.

Gn the matter on subjecte to whith the gitt of infollibilit! extomb fatholion are arereal in one principle, that it embraces all thome shbjects, and those only, which atre meromaty for the maintenamee of divine truth in the ehareh. Hence, premplos: ing divine revelation, rither written or oral, it -mabuco all qumtions of faith and morality, all
 prochale the intrometion, hy anthority of the whuch, of any disciphline whirli shonlal be injurions to faith or to moralits: (In the other hame, it dow. not embrace puestions of sejencer, or maters of fact, walnatract opinions uncomected with reliorion. On this point all fotholics have heen aureot. lint at very celebrated dispute arose in the 17 the exntury on oreasion of the A uyustinus of dansenins, is to the infallilility of the chmell in jutring of thals. ont of which originated the well-known Jansenist llistinetion of lefr ant of fiact (see dixsentsm). the this subject it will be enough to say that all Catholics are now agreed in recognising as neressary condition to thr eflective intallibilits that it should extemd to the julgments umon lmoksu fir is to decide whether the dactrine contained therein may or may not be opposed to somml faitla ol morality.
[The Vatican Council produced a large literature, in chnting Cecconi. Storion del Concilo, Vaticome (1siz): Fromd, Actos at Histoire du Concile CEvominique de liome (s vols. 1sio-73). Sahmon's Infullibilit!! of the Churoh (188!) discusses the doctrine controversially from the Protertant point of view.] See also lisel (Councit of), Pores, homas Catholic ('humb, \&e, and liev. D. Lyons,


Infally, in Law, was a stigmat attehing to the Character of a persem sh as to dixymalify hime forn luing al witness. It was distinguished into infoms of fact and infany of law. Infamy of fact resultfrom at depmated comese of life and abomdomed charater, of law from the sent+mo of a conart dimbing the perann suilty of any crime to whelt the character of intamy atheher. Sinere 1843 it has not haen forsible tis exdule a withess on the
 and ats to rimas rommitted lis a witness maty le asked with a vinw af athoreting lian evedibility

Infinnt, in English law, is a lern whirh int
 Smb persons are subject torerial mose of law, Whith maty le nummarintal atm fallows:
(I) Criate. A Chilil muler saven cannot be em vited of erime: a clihl hetween oren and foms thon dan le comveted if it is shown that he knew the mathe of hix act. A lay malay fourteen is premmed insipadile of rapre.
 monler f wehte rithant eomtrat matriane. As a
 consent of parents on entmalias to matry : hat the Hoseme of such ermsent dom mot afleet the walidits of a matriage actualls mhmoised. A peram pro raming the marrige of ath intant ly fand forteitany propety which neques 10 him on hav form the matritigt.
(3) I'remert! whet (Butront.- An infant nat! aropire and dispose of properts, emter inta ron
 to repmoliate liahility for life itets, exerot in rertain
 suitable to the infint's pratiom in lifo) are bimling on him: and settlemernts, N alpmoval of a julge, in tomas of certatu ate of parlimment, are alsu liminos. On roming of ame ant infat maty ratirm or womblay ate by whel her has acyuired or dioporal of property darins.
 lat maxt perform obligation comerteal with it: if


 lae is tathen to lave conthomed it，malen he readmb－
 ahbe time．A－for hin whomentrate，he might formerly have rontiment them hy ath arpotss ratili－

 wetion shath lat brombte on the ratitication of a promise made during minames．Vo will minte by a

 （a－ually his father．if lisime）．If an action i－
 apminted．I parent om anambian i－not liable for the dehts of an intam，males low hia expmesoly or ly implication enntraterl tor pay them．In infant
 this eave his acts are berablod as the acts of him prineipid．

In Footland the baw dilleqe in many respects from the law of Englame an thim ubject．The

 binil．till fomrteen．and if fambe till twelve ：amb from foniteen or twelan tor twentyone they are teolnically eallod momes．In wemeral．the contracts uf at panif are abmblatply sull and la is under the ＂ale ot tutor，who are eithoulif parents or others aprointed hy the comat．I minom on the other liano．may entar into contrade：lint if they are
 them aside any time within fong rears after majority．Moreower，if a minom minto trade，hi－
 Fourther，a minor can make it will or testament． ＂premating on his mosable e－tatu＇．thomgh he cammet alienate Chis heritable estate in like manner．The fomr vear which are allowed to himafter majority to coinsider whether lie will wo sulde contrat－are
 lesion he is in that priad entitlal torestitution．
 it howere a major．atml imfend．he is in general liv awn matera，on sui jomios，itt the age of fourteen （a female at twelve）．see ilow ardide lias．

Infant．FeEnsio 0 ．When the health and －treneth of the motler inlmit of it，there is no dombe that the fomb provided hy mature is far the leat－nited for infant nomrialmant．In this case the child shomble bee amtimely momeat milk for
 for the remainure of the tion year of life．laevond
 and child，lant is often wentinmoil lienalle of the
 ans wallee the mother is makhle th mare her jafant， a wet－nurse is the hest subatituta：flomath thes inanowement efferoted in the proparation oi artilicial







 thith row mith howe ；hat，at they ato almont
















 the tirot month．If the coms millh till form－tom

 －bonitul of plain water；ar at littas solutiont of






 shljly of milk fom one row．li molinat malk


 in any fomm．vane subintatr（prepared－infants Eomd，＂hicken loroth，baw meat juicr．No．）mothe he
 iulvice－hmill he andinht．

There is no mome fontial－umber of illame in
 attention to rleanline－a．whill lead－to－narine of the milk amb areme indigestion．Theme lomald
 and after a meal the apparatus shomblat more bes tahen to pieces．thomughly rleanmed yitlowhand water，and left serphis in fre－h lmiled watter till it is lequired．So cork，work．on whtar abombent snabtance shombl he uned in the comstmotion uf the fittings of the lottle an thi－rembers perfert cheandi ness ahbors inpusabille．

Till after the sistl montly at least the infant is mable to digent starelos form，mblon opeoditl！pre pared as in the＂infant－funl：：and the＂，wince of
 be tou strongly emalemmed．

It is mor less innomant to the intant than to the adnlt，hat rathor more．that the meat－shomble he takern revularls．lhange the firs－is week－What－
 given on the averame eve two hom from in an to 11 1．M．Firmin thimperind to the righth manth the introval shond grathally he increanod to three


 eontontedness and thriving of the intiont all tho
 a meal wery time it arion morely morloridn the


Ifter tho eichatl month tine moralo at dats－lamilal


 the tenth month the solk nt otn＂gion mat he arion






 Fontimas ant that liot．

Infante（fram the late infintes．ant intant ${ }^{\circ}$ ．





 at latail hom the mothar combtiy，bure far tate
ai lrinee of brazil. The peromat domain of an Infante ur lutintit is called the Lufientomo.

Infintiade. or the mumbering of infantwat common in anciant timess and still previls in smme batharome eommomities. 'flas protice
 Absembers in Plator and Vristotle. The lattor in his follitios sadul the law hambl forbill the morning of the mamed, amb, where at chech lo bupmation in
 quickeming of the infant. In Sparta, in in uther
 was lom the father homlal eaty it to :an alyminted finee. there to her insperted his the mers of the - "mommity. If it was a pamising elibel, they re. tanat it to its parent- folme mheated; otherwise it wia dhown into at varern at the font of Momat

 Aratrowal, amd ly the latriar Potestan the father
 fo life ant death; hat the rigome of the patemal liaw hoth as regaraln the killing athe the sale of
 p-perbally $\ln$ Numa, Among the Nome the ehind' life hame in the badame till the father hamed it to the norat to br rearel. If it was weak or mal commed. or if the father di-appomed of its living. tho child wan killed hey expmare to the weathel amil to widl luasts. Acomang tor 'iswar the Cranls. nore invented with the gower of life amd death wer their chillyen, ward so late as the li3th centiny
 Arat, it regumal an whanere to prevent the rimus of killing blablen lout the pratent shand be re Anced to want, :mat thin element of ansinty for the fither: imbepembence and romfort putered latwely futu the calculation- of mans -tates, harhatome and civilima. with resaml to their ponterity. The Aralon also lomied femble infants alice.

In monlern time infenticide prevats buly
 aren ammont these the incerand intercomme with civilised tides is Eradmally stamping out the frutiors. Lntil eomparatively recent time chiln. mamale prevaited thomathont the whole of the
 Lein. ar whe parts of it, the infanticide reached, ti!] the midella of the loth centurs, a hall atme in other twothime of the rhilid popalation. Amones the IVimbe the practice of destroping childem, eprerially fematem, prevaided to a feituril extent, matil it was eherehed mober the Margni-


 ins mamamied, fle practice previled ammast


 downin! in milk, smbintug ihre mothors hom-





















 heighloming strean, where in solas easer thet
 misht les saved from thentiotion ly and amber Gomate frosont who might frel di-gused. In eirly misciomary times it war at pat of the d!aty of miimmaries to frick up and rear, we emtmet to ather for the furpose of deatring, the waif whe had heren abamonert through the warime porerty, or callomnom of then parents.
In meirly all the ase mentioned infantiche wat pompted lay religions or exmonic latams, or in duberd in from caprice or indolonce ; and it wan permitted in deforemee to the power with whith in fimitior commomities as well as in atwancel states like (ireece amd lionse the father waendued. Dudem civilisation deal vary dilferentls with thr subject. In all En'opean states, alhomoh bhey diflin widely in their treatment of infontiofle and conate crimes homan life is from its liot to it hast homr held sacrod, and whever puts an end to it is a momerer. Almost the mly motive whieh insurl conntrion now leaks to infanticide is that of shane-the parents incurring the diak of can mittine child-mumber to exeppe social eliserace The eflonts therefore of legi-lators atmeriminal lawress on the ome ham hawe hem directed to the represion of abortion, comeathent of premanes, and madering the new-han infant, and of plit anthronists on the other to remove tampation to commit the graver elimes ly providing Fommbling
 limd a refoge see also labmatmany.

In Enghand and Sootland the inexenable killine.
 Conase for killing the fortus is the safety of this. mother: otherwise. Nortion (9.ソ.) is a eriminat

 destraction uf ebiblren may $\mathrm{h}_{\mathrm{w}}$ aftertal nematively hy not supllying food and abling, as well a- biy the proitise ate of womdinge of ill-t reatines a and if at prent or other perano who is lomad by law tor mbly food and chothing to the ehild rofares or neglects to do so, therels ransing it- death, such

 wre, the manfal ahamboning or (x) chald mader the ace of two brars, where the life and healtla of the ehild are embangered, is at min dromeanome panishable with three feats pemal
 mander of a very voman ehild it is memtial to jowe that the ehild was in lite. ['mbor at statnte of banes l. Here were preambition andinat the mosher, hat in $180:$ the trial for othenere of thin
 The pemblation whill bow ohtains that exery

 mfanticide. 'The tert of at ehilal hoins horm

 mosher: it in rmomy that the rhilat wit- fully homs. lleners, it a mat itrike a woman with chibi,


 "hether the rhild wa fully lum, and wo the -nh.
 promenere. In Enalamd atmd Vater the ammal



puminhed in at rimilat mannor in senthan！．＂hane． thongh the killime uf at canmuletely homo infant is

 chatree numer 49 （ien．III．（htap 17 ．





 consiburation of the ploseal comblition and moral elisturhaner of ther parent．



 children they take charge of．＂lowe mont alon give
 infant－doatlo，aml ate mmer ohlipation to keev sanitary homas．lis ath impurtant－tatute prased in tss any furan oxer sitem wha wilfally ill．

 causes or probores this to he dome，in a manmer
 winjur to its leath，in whilty of a mindememome


 where the dothenley in lumed to lie interesterl in the death of the child．See（Hambex（Corelory Tor），and litel If．Sor＇IETIL

## Infantry．sue Atan

Infant Sehools．The sulojert ham been
 still remain a few print－tulye inferterf to．l＇aston Oberlin（g．v．）mats he reganden at the fommer of infant－chonls．［le atpuinted women in his own barish to a－memble the littw rhiliten hestween the


 in（irsat lbitain wan in munnotion with Rohert
 education atml tranimg of smome children were mattro mi weat intront mal whly to lentalozai （！．v．）．Ji－ ments lis the llome abd rolmaisl linfant Kelome

 monlel infint and jubenile selomin．lint the mont



Infertions．The armami for helioving that
 depenta ranor The preserne within the hody of a










 to live anmb maltijl








 t？pham，smallpox，measles，matert ferev，hompithe
 is divectly amd immediately cmammaimabla from





 sentilation．lamallus the jufection can retain it vitality for vars on the wall－of at room，or it
 in serither ferer it max exist for many month－in atedeles of chothing．Deanles is mot heant infertions in the eats！stage，when it present－morely the
 not at its worst till the rash has fated imd the kin lergin to les shed．
（4）Thes last arouly emmists of thome dineases in which the prisum due not dithme itself thomish the＂ air，hut reprige to be disectly inombated to prat


This elimationtion rif divenses hedieved to he
 venitut，camot lie considered at striotly acemrato on＋：for many of the dineases in prompl 3，jerlatj－ all，can be jrojamated by inmolation，and tha infection of abome baty he able to develop outside the bualy and hehave like those in monp e．Enombly lia－leen－aial to show the complexits of the prot． Inmo，botl practical and seinotitic，prenented las the shbject．As to the Intertions Diamine Notiti－ eation det of lsse，amd other eqormatematters，wer
 artirles on the several liseases．

Infeffmenf．or Sisixe，a Sontch law tern， msed to denote the srmbolinal rivines possession of lame，whicl wan the completion of the title，the mere eonsevance not heiner thomgh．The instro ment of satane wan the motarial instmment emberts ing the fint of infeitment．＇］＂he ohl ceremons， which wam not almlished until lxat．was thas jer－ formed．The bailie of the subrion of the lands． the attorney of the varath，a notary，and two witmesson proceeded to the lands in which sasine was to lor granted．The attomey ativered to the hailie the superior precejt of sasine，and reguired lian tu priform live dutiss．The bailie delivered the wamant and relative deeds to the notary，wha wad amb pollinleal them to all prosent．＇The batia＊ therenjom helivered ther symbal of prosemiont． smotime a pent to the attomey，amd the attorme？ then tomk instrumente in the hands of the motary hy giving him a piere of monry．Jut mow thes

 werinter of sa－ines in seatlomd．In siontand iut infiflumbl in semerit！ i ：at tombraty infeftment tu


















$\mathrm{j}_{1}$ oo far an they have heen emphed for the folmon－deatruction of hman life，bust aloo be avemuted infernal machines．The mon notorion intanese have been the unseco－fal attempon
 ing of Alexamler 1t．of has－ia in Issl．See also Finfera，Asinchisto．
 who rejects（loristianity as a divine revelation，hut in mot used of heathen－（thomgh the are infictles，
 thas are ealled ha a correonmoning term（＇giamr， －hathr，de．）．See Atherm，Dema，Amponetcos，

Infinite．In philosophy，intinite is that which is without any linitation，and，like abolute and macomlitional，is und expecially of the Inlinte，of fionl．As to our kinowlenge of the intinite some （a－Ilamilton and Mansel）boh that the idea is forely neqative：lesearte－athrmes that the idea If the intimite wan not merely the ilea of an objec－ tive reality，hut is implied as a necessiny con－ dition of every onther．See Absoldta，Cunimtios． helativity uf Kiowlemif：Hamilton＇s $I_{\text {t }}$ ，ussimen，Mansel：Limits，Calderwoods I＇hilosophy of the Infmite，Spencer＂s Finat Priwhles．

In mathematies，the tem infinity and the phrases intinitely great and infintely small are of comant neenrence；and the smatni $x \mathrm{i}$－usually －aial 10 denote a masuitule infinitely greaf， the - ymbol 0 a manitmle intinitely small．Are thene magnitules intinitely great and infinitely Ghall to be reanome abom in the same way an ordinary finite macnitules？Are these symbols canl if to he treated in the same way as ordary
 （1）the smanol o there seem at first sight to be little diftienlty，for we are achotomed to regarl it at denoting the alsence of all grantity，or an the ponlt obtained ley subraction any timite quantity fionn a guantity egual toit．It in fomal comenicent lowerer，thomish it would he imposible to．explain in shat compa－the gromula of the eonvenienee，th wive anther meaning to the smbol 0 ．The new neanimg will perhag be undernowil from the following ilhatration．Take the algehracal ex wowion and sumbe ar eapalle of increasing
 －blantity：then the value of $\frac{1}{r}$ will diminimh amb
lopome leso than any anomable quantity，and the
 salue from whiels it may le mate to dither an little an we pleace，is smbilied by 10 ．The same ex premion will enalile $n=$ th give a monnig to the －rmbel $x$ ．Suplone $r$ capable of dimini hing on that it mat leeome les than any insignahle If nantity：then the value of ${ }^{1}$ will inerrase ：mbl Incom，worater than any amimabla quatity，anc the limit tewarde whieh it tembs，that is be aly，the salne from which it may he mate to dither atis lithe
 and $x$ therefore anding the limits towarilo whech ertain variahle＇pantition tent when fartienlar







 （i，lonhtis，chay．．

Intiniterimalo in the mame aplion to the mothoul

 as compened of intinitely－mall clement－or intini－ terimals．＂lhowe rements wheh are infinitely mall eompared to ：my thite maninitule are intini－ tesimaluof the fins inares ：thene whela are intinitely suall eompariol to intinitesimats of the tiret agege are intinitesimalo of the aromel hegrex ：and so on． I＇lue prineiple of the methul hriefly stated is that two dinite mannituder are＂ymal if the dither onls ly an intinitoly mall mannitme．Tlumb the results obtained he the alplication of intinitestuals are sern to be always in actord with the result： whaned hy wher methome，and a methow which
 ormil，yet the fundamental prineiple deno not at
 lowkin if it were aterely one of alymonimation．In consequence it has now eome to le 1 walal to combl the calculne on the doetrine of limit．

## Infinitesimal Calcolns．See linerits Intirmaries．See lowrtat．

Inflammationt ix the mon important of all the murbid proceses．that fall unter the moniee of the
 or phamemena of intlammation，when it attacks an ＂Vternal or vishla part，we pain，redmon，heat， ath swelling．If a lieatily man rets a phinter of wool or any other forizin houly imberdach in any Ifeny part he legims to exprience pain at the bitrt．and this is soon sheceded lof rednese of the －hin．In its ealy stages the procen i－known as irritation；lat som，if the frreis．n londy he not robused，the pain amb modnese increace，and are accomparial ha a firm and extremely temer a well－ ing at ind aromid the apot，and a enes of alphomal heat．These parely lewal syintome are anceedent， if the indammation reabl a rertain dowre of in－ tensity，ly a gencral deramperment of the saseular

 thammatory fever，de．，haw hern applied．

Numerons ohervers have attompell trace the evart phemmena of intlomation，Is micuacolige ＂amination of the transparent parts of mimals in whieh the prevers has heen artilimalls exertert． From oherration mate on the wat of the frogis font and otlier transparent parts of amimals les Wharton dones，l＇aget，Colmheim，Bumbu Santer－ sm，Zionler，mil many others，the main teatures of the process are now well known．
 semeln of the part are reto todilate，and the corrent
 acelerated，lnecome－minch sloner than the nomal． In concerpence of thi retardatim the white homi－ womande，heine whewhat ticky in comintrnce， fall ona of the central tham，and drack atong the －ibn of the vemel．Whoye，a the intammation mereases，they are armand．＇Thenfollon－the mont remarkable part of the prowes．Vinute linds are
 wins and capillatite，cath onte comanombing to a white hoode copmare in the interim．These hals




 if lluin exmers thromin the wall wif the hat． wach，ant in bat ramonlate，forming with the
 Suph．Froun the capilarion rel as wall a－whito




We maty mow rom－inder the evilatiation of the

 in the bland verath of the alfected part : simporime aho mon the new mente of hamerthan in the in


 deacribed. These ate temod the fumblate of in thammation: aml many change- some of a reparative mathe ath others of an injurime tomenes,


 oif the affected part by the dilated vencels. and the exulation. It in uften thohhing There in manally mont pain in thomp patro in Which the teman protueal her the arelling ithe greatest, as in lunte, sorms and libmo memlorater. de. The pain ordoring in intlammation i-alway- asymated hy pe-mo. and he thi- meanthe fiswician ean diften distinguinh hetwen in thamatory and bum-intlammitory dimorlers. The hout is selitom so math incteracel as the sernations of the gatient wond lean lime to believe: it dienmat rive alove the maximm: hapt of the homb in the interion' of the boly. 'Thiv increine of heat
 Highly exilised, hene to the part.

The hoon ohtamed hy heeding a patient sutferings hom intlammation of amy inpurtant mgan manally prente a preculiar aprearane after congulation known as the bufty mont (see bison). Another and a mere important change in the howd in intlamma. tim is he ammentation of the filmin. Whiel oftem
 quantity
The further compe of intanmation i- munh more varialide. The mont facmuable temination is Fsohtion, where the pronlont- of the intlammation atre dradually remmed lex the !ymphatios. and the tion er letmons tor it momal titte. fit the exmed
 pmotion) they form an Now (9.6.), amd mot in -eneral he evacmated before rare ran take place. If thr intlamed tiom he anmerticial itsonter layer

 intlammation be severe and extenise Commene


In the retum 10 luath wintlaned timues, where neither rewhtion marleathof the pationt las taken
 the Ehy which in left hy wheration in whemthen. Thi- i - eflecter mainly ly the action of the evmled lemeocter preant in the" "plantie lymph,' Which under sutahle comlition lneceme grablually manivet into fibrous tione, lums, de. : lant the watation of the epithelial eovering. where a beakd
 lan orempred, is eflipeted maly moder the influence of phithelial mell- prent at the edge of the gat. The. imacen is exentially - imilar to the healthy repair
 thomph mans anthoritio do not arry the term indlamation to theer samo. It is thas that partropently serered from the fuls mily la some finmoremand and still live. The ramon of the Talianentian "pration. he whinh at mew man in emprated in the prition of that whah hat laen






 - "omervative and fepration formon it lathe in





 of the what involvel lang, hath, intertime an
 -ided. In indammation of the iri- lefe polit may

 ravelitio, or inalamatima if the linimer mempanm
 like mian- on the valuen, and mis than cheramion

The cather of batamation atre very sations.
 condition which lowerm the vitality of the whole londy, or of any pationlat part of it. Tlue mest




 axeting indammation of intpmal oran. lat of atl the ramee the mot important mamhorms, thoug the have only haen retugived whan thas





 aboren have been shaw to be anociater with thom. Some athomition win for at ath that wotree inlimmation am take pare withom them:
 iv wertan that ahmot all the mont serer form of inflamation are characterimel loy theneme of come form of micro-mpaniom.


 phed to imbiatw an indammation. Thas. jeritom itic innifire indanmation of the politumbun: initiintlammation af the iris: © Ne. Inthammation of the


 Pextentris (for inilammation of the lnowela),
 holatiti-l, Ere (for iriti-), bisux. Ne.
 of the treatment of indammation farthe than to remark (1) that if jusible we mont rumue it-
 when the intlamation i- whmal ; and el that the gatient shombly be fared an a strictls anti pheratic verimen (which mplimatotal athtinence from salin animal fend ans - timulating alinh-, due atention to ventilation, tomprature (N.). Wi the


 are parativen promatime of motars tartar "metic, and "pimu: while, an extemal apdiations,







 2ramp ow hatal ady










 -implitual this lis centerimes :thention mun the fow and single monder of handing ly whinh they arive: $W_{0}$ natmall sel omt with any phant iff

 axil- ait the leaven are debploperl its thomer. When




 arowim! juint of mant racemen and pikes, luw

 to end, in : trmanal llaver. (imod example of




Fis. 1.
 1aft (1),




 -pike of froits rammod ly it leaty frowill:gisint.



 Homera matmalls shate the same armen af hemblay nacont, and thas it is that the comparativels lonie

 the - מmmat ot the wis. 'This variots is homma



 uf ther lalmblif.ran.












 -a blovinns in a smollowes is simply that of the lephosell conte, whirh we may agatu draw ont in imangation intu the erosmbi, ther silat. or thes werome, with which it is ju primethe identical.

A rapitulum fumbantentally similan mas, lomever, be toolved in at alighth dillement was. bis the mote on less complete arrembent of the aromblats ases of an monber. Hance it is that at fen mand. Jifermb flatis, like Astrantial, or still lutter thes

 to contuse them with ( 'umponites.
lint, since it is manifert that the same embluman
 Whatmoner, it hecomber wimble that we mant remerse the form eapitulam for the ta fe of inther
 leating the varions mandicially revemblat forma
 tw, or those of ati-pink, of hergatmot, dic.. to lue separatuly amalysen iceombing to their true mi.gin.
lietuming, then, tu the etpitulan pronne, we manst contime to keep clearly inview that comeptime of venotative growth (as reathing it-manimmon rato
 which mas be arthally serifited has mearemento of any erowing shost or root. 'llat emanal axis thas

 perfectly that receptathe, an in mome species on Throtenia, remulto. The maryins next wutgrow the allos, and the eonme is mow heromines athallom

 remathable hollow inflomencene of the fie (tig. 1 , (f) is thim seen to he mophologically akin to the
 tuthe wintual raeme itself.
 has, howevir, shown un that we mat have for do
 simplo ar monopolial ones. That is to mas in
 lowing, howerer, of romse, all the more ophor tmaty for the developmont of the ecomdary aser latent in its laterat lmats. This dinapmanance ot
 worho hath, motil we have it weomring immediatrly aftar the develagument of the fires lateral had.


 avi dian in tum after piving hirth to it - succearr.

 "ymes. Tha simplest in primiple is that of the

 מ"w axes winds an in the same piral artare : that of the leaver man the finary avis itmeli




 maty after prommein: a leai with the lum uf it--ntoresar.
 dicectum with coult new asin, and the false axis








 сынリ.
So fer we hate hell deating with remore in




 the two have immediately lefon i- in an "olmalls








Fi- :

 flower diaplear, jut it in the false dichotomy wh
 and heme the ohl nethe of ,himhtomenter rymer, which, bowerer. it in tridently neroway to conter, an


Thin inflowerper mas molequ fortening. of in
 embryuic, at in mot lahiatti (which, homever.

 "wriciliater of the majority of wnera. to the terminal problecapitumai bit beramot). The alparme matel of seramana and the pemeta



















 dabita aty deprowion of - pitit. Thie atarls







 the linds.
 - Mf






hathenza athom ath excelloont examplo oif an







 dis weather have at hematombed bereme wat









 tow of the permaly recomed motheato. It pationdar, thete war in mamy place at mads hatur parnition of man withut any matarhat

 emblance to brage ( 4.5 ) ath many whempo have come to the eonclusion that there is : math chare relation betwen the twa divero. that has lopen hitherta sulpurelt: whik some boljese
 monlified les rlimate, ami mot indhemal at all.
fllue mox important juint in the treatment of inthenga iv w, to bleed the pationt, on in ans was (1) hepres lai vital powers. Ho shombla he het
 - kin -liwhts artel num, if dra : and, if the comelt
 aphon whe thet and an expetmant miatme




 man lee sisen frem the onter. The formits that




 of the :
















in former times only to the rather mombontala - Fternative of choxing betwen prying and

 It wis at fint pentrated to the combum law Conde, hat attemado adoptal in the pratice of
 one "aln ise in firrum pentures malase the "pinion
 or hi- -oljeitor that the -ature rate contains at full -tatement of the material fiacto, be pordued to the court applied to. I shitor it formu punperis is




Informere in Ensli-l law, the peran whan - he for at pelalty mind some statute. In many -tatute which deline oflences-mot raminal, but atombur of riminality onomagement is often
 if the crown. the peemnary penalty or pary of it lumes wem to the infumet. This kim of action i- walled a qui tome actiom, from the nase of the
 A. lu riminal prowerinat an acomplion whon
 the coma, i- called an : thpowe or powe Evir -imer the day of the profemmal -soblant :a Athens the informer has heen remaritel an an owlons chataver. In lreland, owing to the an--ati-intory relation hetween the woverment and the prople, almon any pran whin wives evidence asaint a jurimer ran the rith of making limself
 uf tha attorneveneral the intumer is ealleal a Pelator. In contand an informer is the party who -at- the Lard Alswate in motion in "riminal pro
 "ין the nam of the infomer, who is liable in cite


Infosions atre arpou- whtione of reqetable -nlatinces obtained without the aill of lating. In thi- repert maly dher diflery from leroction, in the manticture of which luiline is reanted to.
 - Hhtance (romt, hark, se. ) in hot or colld water in
 femble whon the artive mindite ic sery volatile. of when it $i-$ denam to awoid the - ohation of some ingrolient in the segetable whish is -oluhle in lat. hat mot in cold water. For watmple, in preptrina
 hecians it taken nus the hitter prineiple (which is

 builing water is puplowel. Infuimes are pro. fored to heretions when the ative primeble colatilines at at loilime heat, an in the game of …antial , ifs: on whole ebulfitim readily inture

Ininjom may aloo le prepared ly lapeolation
 the propatimat timetures. Whan the propate they are lo.. liable to duaty that when prepred ons






 "entheted one- whirh, when dithted with wern

 -iphe is a colatile ane it is wey dillimaly to mation

this phestion mueh phatmacentient attention has beon thmed. The ranmentrated infu-ion- contain
 fin thein perevation. The -imporinfusions may le preserved for it short time las the addition of a trate of chloroform.

Infinsoria, a mane given to usemal clanse of active Protozoa, some of which appur in great mmblers in stagnamt infusions of ambal or rese table matter. The areat majurity are provided with vilnatile heomotor monere of then living matter, umally in the fom of cilia or hagella; athl, thondl these may be retranter whan the inimal wersionally encots it-elf, thes are practioully permanent, and expers the pridmanatly actife com-titution of beer eells. Now are mimo. -ropic, but many ate readily wen when foul water in hehl in a glaw vemel luetwern the ere and the light. Yet them may be more Infinamian in an mb of tagnant water than there are porple on the gloher.

 animal matter. ous hacteria or on one athother,
 allied to, if no fomtinal with whombll, probably aborll cathonar dioxide after the mamer of
 a - perial aperture throngh which the fowl-purticles are wation in lex the cilia or havella. A- ingle
 in multicellular ammals, to the adive - fores of phants. and to male colle or - frematozat. they exhilit the monal protopla-mic stmetun and the
 a delimite riml, often with chtirular strurthes anil there are pempally comtatile vamole, probaly exeretory in function. Siny lafomians mechr not as ingle individuals, hint is menthers of a colony, the mant of moltipheation veluaiming clubhed theether, and often forming manom tasily vi.ibu to the mainleel ese. They multily with Erat rapidity loy dividing into fwo, or lay mand sure-ive diviom into a lare mamber (anmeformation) : and thes a singl. Infinatian, wits facomathe tempratme and matrition, mas in iomr lays lucome the andetor of a progeny of a millim, in six diys of a billion, in newen and it half dayo of
 grammes lif the life of the - becien, lomever, is
 minn of two Infusphian ( not of the cibue fanily)

 to 'senife degencration, and the mentuel dwinlle

 that the empustion of two form- mean an interHame of mindear . .lement : in other an- the two
 justre are of une
 to a all the smallor mate athe the lamer thathe.
 ate as follows, heriminge with there riliated torm-

 Jominame of altemately bens and iminhtemod
 is :



 Opralinat paraitio in the imtotine of the impe










 of eilia ronnd the month (leritrichat) : and lantly. thome with cilia restricted to the umber suttive are
 lanicliza.

Flamellatm. - Infu-dians with a vilatilo an am

 a seat mamber of forms, some of whichat after
 proath if they do mot mite with the las: One of
 Tu the thacellates parier theme hase to he adiled


 -it eohom with alight division of latome amomer it-member- and like a little frament of shame tled: alwo thre Wimothapellatia, with two thagella, one
 the luxly -e.g. Perininimm, ath extremely eommon
 Hos lhomehothathatit, with a large lemomotor

 bisen-, a beantiful bell-like form, which xpent Within the rompran of a singrle rell like at farobl

 only in thein fremelivin!e yonth, nsually lised : uhlults, amb alwar- with prehensile on metorial pro. cesses like fontalis. lis mean of which they burs



In betants of form anl momement, in the liveli. ness of their belan jume and in the intrinate phase
 exham-tille material for inse-tination, which mans Worker hawe shown to lee at mote captivating in itself and full of himhoical marentivenems. In the

 it - for for they bute with lizotaria in working
 or in reancine it to -implay momolts.
see fincteitis. Dosin, J'arasmectra, f'mutuzos, Fobricenta: ('laparede and Lachnamm, Etmbes wer low




 Theiremion.









 rits of जmm: impurt:thro

















 The Life of evten smilh, The Mumourn with siltoie


 (sxin). In edition of perms apmored in Isso-sis 3 vols. She dien outh buly ls! $\quad$ or.
 and novelist, was hom, May 2s, ITs?, at Thorkild


 int Which he tork Walter sioott for his monled



 Holy, Hansh, ( 1837 ), whieh are hasel, like hinoveld. on inejulents of lani-la national listory am? tralition, rank among homamis mont shemos
 rersatile, and exayed hix hamd in nearly all branolies of pure literature, not the least entimabla
 102 he tanght banish langug and literature in
 collective works were phblished in :30 whl ( $1 \times 4:$ 64). Ile lied 24 th Fehruary 1862.

Ingernatulanal. the ohl Siveliol name for

Ingersoll. J.ners, an American jurist, hom in
 and lario, and lecame a fomment lawser in Philatelphit. Ile wan a member ut compresen it
 that framed the ferderal comstitution, and in litle
 of the lonted states. Ife was a juden in the diatriet comet of lhiladmphitat the times of hi-



 fom fompern years C nited states mistmet attonams


 porom athel itrama, a pulitial mative entitleil













 Tle died 2lat , Inls Is?





 He ratered hiv fathors otlice at a oblicitor, ambl



 mos of the 1 wo Engelish lownary monhere of the
 of Shakryemes hirthplaw, a the peratent of the

 and vicepote-iblent of the forsal society of litera


His eartiest work. Wuthines of Thometimel Somer (15.55),

 lint the most important work of his literay life beran





 1s-t): Nhatspum: the Mon ent the Lomk the En-

 mition of rymbeline ( 18 sto). I seluction of admimble RNents on a whle range of sulijects was issucd in lass by has son, Holcombe Ingley, who prepared in the same year, for private circulation, a brief memoir of his father, with a collection of his epragrams translations. and verses.

Ingoldshy, Thomis. See lishatim.
Ingolstidt (eabhel A ferentom ami (hrywombis the iodilen rity"), a town and liat rlase fortre- of basaria, on the left hank of the l bande,
 anther of the fommer dukn of labaria-hagolstatt (now mon fur military parposes): the fothic chareh of our Lady ( 1425 ), in which is the tomb of Eck.
 buw in!

 Iatholien. A miverity was fommind hare in 1472, whichtakomed liendoblin and other eminent scholars
 thou had 4000 students. It was remowed to lands
 fondetalt wan the tirst ferman thwn at which the Andita were permitud to establinh themselves and to teach folblidy fom the moisersity chanis: Lasola save it the fand titlo of 'his little ben jamin. Hore, too, Jolam Mexinhant establinhed the llhminati (9. シ.). herolstalt, which existed in
















 painter, wit hom at Whatathath, lath September







A catemy in 1so4, boke down the imflimeme of the pullic to the work of larges. In laly he hat alhered to the style of lavial, hat hat montilien it he the inspiation be aro from laphael amd other ohe mastars. 'To this perion helong his best por-



 Was appointed pofosore of Fine Srim at the Seal


 of it Cromporian' ( 1834 ) mate him hatly pmatare the opjombunty of smoceding Hame Fermet as - lirectar of the french lealemy in limme in 1834 'There he painted 'Stratonice and the - l'untrat of ("herubini. The exhibition of these aml other bistures in Paris at length themer the the of popmlar arlmination fall and stroner in he forome. He relied more pon form and lime than mon
 Bathing, '(E, lipu-and the Splinc: the "Ohalingue, mol the * Fonntain*), compositions of a few figures atch, are maneotimathy deserving of admination: lint of late it is commonly leld that for a time he w:in malnly werrateal. It the exhibition of 18.8 ha was awarded the framd medal of homme for lia collection of pictmes, and was mominater a $:$ rand atlicer of the Leginn of Honom: He retmaned to laris in 1841 , and slied there on $14 t h$
 Bhane (Is,o), amd schmatrow (1sst: in folmués א゙mat zud Kılestler).

##  <br> Ingrossing. Ser Exintosinc:

 the anthon ot the Mistoriare. Momenstraic Crmplemele eves, aceording to thaterions Vitalis. Was serretary to Inke Nilliam of Sommaly, aml was ly him in losif made ahhot of frowland, where he diath. 16th
 lemhonses wats pinted hy sir llamy sanile in his
 and in a move complete edition, "ith the contimuation $\ln$ Peter of Blois, in vol. i. of the lirrome


 the fith antury ynestioned the entire ewnameres
 further than the hypothemix of interpohation b
 Sir limandia Palerave endeavomod tor pome that the whole so-called History was little hettay hat at novel, anm was probably the compunition of a monk


 ii.), innd lyy sir T. 1. Ilams in the theserigute (iduluy"e (rol. ii.).

Hnhambanis. a lowthghese station, capital of othotrict on the east mant of trica, lien just anm of the trope of (apremm, and is beatifully




 fortectum, not matike at dobling. lut with crotain
 tamily. It in fommen in some of tre







Inia.

The iemale - luw sreat alloction for their yomm.
Initials. Themen in grmpal it is nomat and


 natme - ionature ly initials will himb ormally with the inll -ignature. lf. honever the sulactition to a hill en pechange he he initials or mark it will not wartant -mmmary expention: and the birvary of an action on the till will have to powe that - noh initial or mark are the farty - 1 -nat Hombe if -nluerilinas

Injections. This term ivaplied in mondine to think thown intu the fa-athe or aritien of the holy hymen, of a wringe on elatio hag. The

 are thated inder that howl. See abo Traso.


Injector. Fio. I -how-in rettion a simple furn of injexter for rai-ing water. Steam boning from the jupe S , intu the berel Wli, will thet ereate a patial vachum abore IV les dracime atir with it, and then. when the water level is
 ine ly empleation impart it"nersy to the water and hlive it ma thromel the narmow now lowhe li. in a height of alum ont font fir avery fumal of
 It is doghtand whather thene in-jertor- an walk on menemis
 teath, an adinaty how-movines bimine du: lint they prown mathy ramenioner and atvan ta, whirn are brinume them intu (1)


 ,if the valven -armely trie- their inmatitity. In

 -nly wholl they were rumines: and than if an








 11", whith に

 ( he aly manisatine with the watro ristern, and ahmither water into the extemal rome III. K is at pio mommatating with the luihe mok the water



 into the atmonhere lotwern the two ilpuiner Paramosiral an
 the water at K. althum it is actually, by ratam of the heme of Nater arimur from the Hillermor of level lutween the aterture at $k$ and the water level at B, -nlijert to a -reater lailer. prowne than - ther - tram in the rone lWF. i- yet orer 1mwered. atmi Hris+n hark int wo the haiter lis the -trean of water and amdensen steam irsuine from 11: anl thus water, from the
 pipe 4 and the
 whetitute the feel-water. The enerys or the collaprof tean at f i- transersed to wate in 1111 : this is lriven forwath in a atrealm, Whith i- at it. narowert at $k$ : in this strean the athat entroy
 patmatial energy of the biler-water at $k$. and it amal relncity to exeed the pasilate anoty of
 worloweren. In prattice this injector is amme. what expunive aphatus in conemment of the number of adjutalile farts requited. I atatime in the presure of stan requige altration in the ate: of the stan-parate and in the dixtance lee twern heremathe of the comical 川renines for the out thow and inhlow of stem and water.
 "nt, be which :


 In sortlinul at remedy of a -maliar himb i- calleal an haterin ( ( $4 . \times$. )

Ink in a














 iron with verotahle matter antamime tamic or gillie atid is cumented into a drane hlue hath insoluble "ompomat, which camot be remmed from the piner antern it is timpered with bs
 destrovine it. It is owing to the formation of thiincolable compond that writing ink, when loft in "Inen vesel- expased to the air, beome thick and rops amt mat in une. other hark inks are pre pared from silt- of dromium and vimadimm.
 -imple wrims-ink- herevibed almoe. Sulpate of indien i- alon need as at roloming matter. A black ink which lays claim th implibility is prepareal from migosine one of the aniline compunds: lant the endom is mund inferion to that of ombary inks. and i- not alworthed ley the priper fibre to the same extent. Writing-inks are semprally ache in char. arter, whinl camer the como-ion on metal pens: but thi- property rather tendo to enlance the value uif the juk, as it retand the bleachand action noticeahle in ohd docmments. Crasote, or comum worl vinegat, i :ulidel to most inlin to present mondims.

The follawing will be fomme excellent recipes for the manfacture of back writing-ink on a small ncale: • With gulls and sulphutic of icom.-1 Ih.
 of iron (copperas) in sohntion, 3 oz, gumatial, previ
 ancarblie acch. Macerate the galls for twenty four hours, stran the infasion, and ath the other ingre. dianta. IVith Lotperet. - Boil 10 a\%. logword in 20 w. of watro ; luil asain in 20 of more water, and mix the two deroctions; addeor. Chrome alom, and boil asain for quater of an homr: and ! wa sum-arabic. The promet in 2.5 a\% heep hatich ink.

Consing-ink are prepared ly adding shear, gam, or styerime to ordinary writing-inks. These sum stane protect the coloming matter (combined with the iron) from the oxitiving induences of the air, by fomine a skin or impersions vamish wer the writing. Thas, when the dimp 'tissme i- preared umb the writimes. officient monamisal ink is tranferren to stain the pituer frmm hack to front, and expose a becible ropy on the upper sile. Anilime colnore dismbed in wat or hohing tom or sugar in oblution are alor ased as collying thiuls.
 are antul whare mans coppos from one docmuent

 and the moond is lant. Compable printing ink in preparei from theqe materialis a mal. when written

 able procil ate preparef from the same materiailo (in at whin form). lint there is a sery semins
 the pintes or writton mattor wan la entiong




 wratent, in it lan bern fund that wem with the
 it in partically imporible whally to remore whit ins fromenal with the commoni iron and tamin ink, such ats is almot minersally used.
 of coloming mathens. hed ink is bot propared be

 dissolving one fur rant. metlos grept in watin


commerce. 'IMt lesimble poperties in all writing. ink are that ther shall flow freely ami not sum or clog the pen. that thes shat remain perfectly thail (without deporitims the cohoming matter), anil that they shall he reamathy permanent in character.
Sifmemthetir Iuhis. - These :ure of great varicty, ami althongh porsesing an interent to the lover of the marvellons, ate not in common use. When wate solntions of cohalt ate used (chloride or nitrate), the writing remains imvinhle motil the biller is heated: it then asommes a red colour, Which on heing expmerl to dianp air (or breathed un"u) changes to green. Salt of Jeal or his. muth, on heing treated with sulphuretted hydrogen, give a harl innpersion. When at weak whilum of
 phugen into a lath of a per-salt of iron will shom the characters in back. This is a meefnlmethom of restming fated ohd writhes and in cane wherchemical, have heen used nith the promene of removing it.
 in which olid pigments are hede in mapension, anol is altugether tiflerent lwoth in appearance ant con position from the writing-inks we have derribed. It also is manally applied to paper surfaces, and amongst other pratitien it must possess the property known to jninter as distrilntion -i.e. of hring easily sprem ont in a layer, the tenuity of Whid will mot canse it to fill mi, the interstices of amb heotwon the tyres it munt also attach itself th the paper when the type in presed mom it. Hotaching itself from the later entirels: it most phares the apmently opmeste properties of drying on the paper within reasmable time whist it shall not das so whe the rollers, or ink-tables: and latot!, it should lie permanent in on fir as the imprishins on praper should hase mo tentency 10 chamge The varime qualities of pimtingeink mas he dereribed muler three hats-viz: (1) news paper ink-: (2) hookwork ink: : and (3) lithographice inks. With the eommon and emsequently cheal, printing inks it is not neoresay that the more expensive drying ofls le employed is a veliche. or vamish far the colouring matter. Common oilmate from paratlin and resim ane noch, misad with ordinay lamplack. lirom thin compumb, when aphem to the sumace of pintime pither, the oily miterer in aborthed, leavine the colmuring matter as astain on the omtside, which daes not wat off to Hoch an extent as to prevent it- emporment for
 oi printin-inks, hwwerer, muat acthally dry mon thee -mface of the paper in ther sime maner as paint will dry when aphed to at wall. Thai- realt is obtaineal hy the emplog mont of drying vils-that i. oilh which have the peprety of ahombing oxyen
 Thns, when the ink, prepard from linsed, pulps, or Bahme (i), is expoed to the atmondme. experially if ascisted hy heat, the coloming mattor
 ous cometing. which pervents it neltingull or staining any mhatane borght in contart with it. In pre parime the samish of such inks the oik odreads mentioned are herited to -ine or 600 f , a at whicts truproture they are kipt for a probl ragine with the degree of vimensit? on thinhate of the varninh remuind. In tha mpration the oil (at
 thickens, withont muth lowe of cohour or weight.
 tion of the elycerine, buing given ofl: The varni-h at proluent is mixed with hamphack, preparel eithar from coal or harning oil, or from the im berfent combetion of gas, ind after very (ateful :rimbing is in a comblition for nore

The mannfacture of colomedi inks is patetically
moch the same in for hath inhe, why wrat rate
 nith, and to ser that the chemicals emphent do not reach anon one another. Fing example, whon vermilion (which is a complond oi alphar amb marary) is emplayed with mome rambininge irne or leat, the apendid colone of the womilion
 shifnar compomil with the iron and latal. It is imporihle in surh an artiolo to give mone that the gemeral outine of this manfatome, with which
 there is no chemical iccplamitim. The trehmieal manual are said th contain reliable fowipes to graile to it mandarture, athl we mast refer mar readere to these for detail. The elitie drawbark in resarl to cohnural primine ink is their tambery

 introbluetion of rast tar colours. with wish it veems tu be the mbe that the bune hribliant amb beautiful they are tho lan alr they lit to resiot there anentractive indmemer
In litheraphy looth writing and printing ink ane
 The formor com-ist if at ande flaid holding in su-pension fatty matters (ahollite, white was. and tallow). Which im luing trimferseal to the show are ahorbed and retimed hy it- promity. 'The shat-
 ( which is unly the bimet variety of printing-ink
 of the stone canse it to collect and form a layer on the fertions wheh the lithergaphe writingenk has penetrathl. Is in the ease of letterpes-inks, thowe for lithmaphic purpors are prepred in black and toblomed sariotios.

 ather be preparel hy thimmins down hack or colouren letterpros printimesins with linement or turpentime or hatiming aniline rolour with glswerine anm tratid.


 The blatk pate is drial and preated so at to form cakes, in which ommlitim it is mbld. The lamplark is preparel hemming oname or other
 of a clear thane the rerimo from the lomine nil ideporiter in time flater in the form if lamplack. Fior the very tinest ravietion the matrerial neal for thix pmpore is camphor. The lamplank or artan
 colour. In this combition it in -mblom ard for the



 with coloming manter.











 watm diluten manate and will he fomme alformal


 silde. In thi- ciar at solution of permponphate of


 the remowal of the stains.

Inkerminnis at vilage in the 'rimea, sitmated numa the (:istrot extmonty ai the harhour of


## 

Inlaying is lhe art of dowating lat mfan by the imeltion of materials dilformen from the gramul on lonly in whith the are inlain, in colour texture, or other qualities. The buty or bamis maty lo woml, stone, or metal, and the inlail or an-
 ivers, mother-of-pari, tortoinsthell, precions and other motals, mather, and hated and precimos
 aplally on acrmant of the hillianke and varioty of their coloms. Inlaying in wanl is lonomgenerally as umetumete in motah the inlay mincipally
 marthe and bremon- stones it form a yariety of Maseim-wnk (4. \%). In is the rase with mont decontive arts, the origin of inlaying can be traced to eatem wontries. Whike some kime of intays Yere homa in andent limes, the art as prate tivel in mulem timen lirst towh ront in Veniee in the linh century, when mall ankets wene nmament with inligs of ivery and wool in
 be repmoneed to this day in the fanilia inaid work if bumbay. Comtenimaturonsly the liforentines lesall to onament fumiture. de. with -mall inlain Tise of ivory arransen to fom sarims pratterns, and this style of inlay has since lecome. genemally known ats Certomatomk, from the fact that the choir-jittings in the hards of the Cortosit or erreat carthonian monastory, near Milan, ine omamenterl in this mamer. From these begin mims leveloped the Thaia-nom of ltaly of a century later, whels, watime first with ged metrical patterne in woul, Acpolopd into inland representatime of architectme, , bew, lignren, inn deprery, and linally intu foliatoms serolls of molem maryuetry. Marynetor-wok in funature wan Ereatly elahatel in Frimere, Germany and Ihilland towaris the elose of the 17 th centurs.
 elahoration of intriate derinis. 'lowatris the clome of the 17th century a mew feselopment of mas. quetry was eflected ly a Firnd antiot, Chalow Culre bionle, in the perchave use of imbatial

 work was of remarkahla plablity : the colour of hia


 chose of the 1sth centurs, while manemetry of a
 many and laty, the ficheot trimmpo of the art

 an emb fir the tille tur the mantarture.

 marhar or in pand of woml, is allion to the and int










 of the required derign. "This latter cland of inladid-







'The ornamontal toatment of metal- lay intaving
 ins af wime and lims latom of gohl and silver into





 matle in ludiat: silum inlail in a blatk allay of





 att metal manntitetures.
 mont impurtant . Npine allhiont of the bitnmbe.
 atill thow morth mast thomeh the vallor of the



 it-leal in latoul and somen with i-lands.

IIII in the legal dexiontation of at homae or latel





 and veen temburame hond atre matle sulaject to







 lans:










 -19\%ー。





 law. 11 ofor. if :
 hint taken munt himardi the "are of hiv own fro




woulh not be answerabe for lows. lint the Inn-


 amoment than trin, maleos the lowe has lean oceaGonted hy his wwn wilind defialt, of the promety has hema dopmoltal with him for safe arotaly. A corse of the tirst sertion all the act munt lay Whihited in the hatld or antrance as the finn. The
 to their suents extomis to all herpers of publie.


 - Hedr care as he tiakes of his onn wank: The lum-

 pornoty of atoment who has loft withou: paty ing.


 mondintment woulal lie acrinat an inmketper far

 L. जW: *mbligutor Lows.


Inner IIonse, the name given in Siontamp to



 fartors was atablinded in lato, ahout which time
 inta momaty: lant the wratt extmasion of it










 =11







 the whole verise. Ile wir thether atmont intla-thi-





















College, where he died, Esth damary 17t.t. Tos phrene his researehes he haul jainl it visit or two to England amd Scotlaml: and Wodrow, who sitw him at Elimhorg in $16 \underline{2}$, leseribes him as at monkinh, hookish peran, whor medles with mothing lut literature.' Withal he was a stameh Jacohite, bat no I'ltamontane: not iree. indeed, from -las-
 as the precurem of Xiehalir athe Xiebulirs successors; for his Critimel Ewsely the the Aurime
 earliest of all scientitic histomes. It was meant for an introdnetion tor acell und Ecelessumetionl History of soothent, whe whome of wheh, comang down to Columbics death, he prepared for the prese, whilst another, hringing down the marrative In sial, was left ineomplete. linth were edited fin the Spalding fluh by Dr (irub in 1s.i.3. The atim of the whole work was 'to rounteract the invar. tions of former listorians [ Dector binece) sand to
 mend [ienere linelanan] against the somedenty of our kinge: : and. thang be thus wrote with at purpose, his hernesty and andurn bere surli that the work retains a permanemt value. Som the Demmir los Ir tirnli pefixed to the reprint of
 vol. , iii. 心-a).

Ininocent. the name of thirtemperes, the mont remarkable of whom are the following---Invorest I., a mative of Alhan, watered liohop of home in 402. Nest tothe pontiticate of lan the freat that of hmasent forms the mon important ofere in the histury of the relatime of the se if lame with the of her rlardhe. beth of the lian and of tha Weat. Ifa wat eament and vigurome in endor-ing the whbary of the eberge lle main. tainel with a lim hatul the rieht of the Bishop of
 churehes, and hivaters abmmel with asortions of miversal jurimation, to whilh fatholies aypeal as early exidence of the Joman primacs. Imanent 1. died in 415, and was canomised. -For lumbent 11. see Dure, A גтиmes:


 Pobogna, and lione he wav made catratial ;and eventually in llos waw . Inected, at the numpe

 gardond as the colminating point of the temporial as well as the apiritnal -mpenare of the lanman wat moler the impulae of lis ardent lint dionterented
 and hinglon was. tronght intombjewtion. In laty, doring the minority of Frombink ll., whe wate it warl of lamerots the anthority of the prine within his own -tates was fully combilulaterl, and his inthermer among the otherstates of haty was
 ratel with athenrity upm the rival alame of otto

 Beranie, whon he han molawfully matrind. amel



 of his pretentime atme the complemone of his -mpromes Even the kinz of Jrmpiat, Len. recerved his lewates. Int, it if in meder that nothing might low wating to the ramplotanes of his anthority throndrom the then hown wolla, the Latin cumport of fonstantimpho anm the astabliathent of the latin kimelon of dernsialom


fower, -pirithal an woll an temporal. His vinus of the abselutemes of the anthority of the ehome
 than hiv notion of the miverality of it- extemt.

 every heresy was a reledlim whiel it was the daty
 anll. therefore, that the raxale agimet the Alligethes was argansed atal undertahen. . Wa an
 phate in his order. The was a rigmous guatian of pmblic and private morality, a strady protertor of the weak, zealons in the represinn of simme aml wher aboren of the time. Ile prohibited the ablutary maltijliation of religinus urders by private autherity, hat has lent all the foree of his pawer and inthence to the remathalde spiritnal mosement in which the two great melers, the Frandanam and the Ihmintean, hat their orimin. It was umber him that the celehrated fointh Lateran conneil was held in 1215 . In the follow ins year he was reized with his fatial ilmens, ams ditil in July at Jerngia at the early age of tiftrans. llis works embate semma, a remarlable treatise on the Misery of the Condition of Men, and a lary.
 samete Sbinitu' haw lesell attributed tor ham sume. It is from lis letters and his decretals alone What the character of the age and the the -ignihimane of the shmelt folies of thin extrambinary
 men may di-rent frem thene siews, mo stmdent of metheval history will refune to arept Deam

 wise and semble character, secm- to aproach mone nearly than any one of the whole sheremion of Loman lindape to the indeal light of at sumbe fontity ; and that •in lim. if mer. maly reten to
 vicar of chariot.
See Milnan's Latin ('hristianith, wol. v.; Jurry's
 in (ieman by f. Hurter ( $1 \times 24-42$ ), Dentich ( 15.56 ), selawemer (1-xio). and brischar (1083).
 at loma in 1611 and elected in 1696 , was one of the mont listinguished ammer the popen of the lith
 hat his historical eplelrity is maduly mang to his whitent with Lonis XIV. "The dinpute hegan with ath attempt on the fart of the prpe to jut an emil
 vintue of what was ealled the Ifote de lobelt, and aproniating their memues. The mistane to this attempt drew forth the colehretwed dectanation
 bint the athal contliet repatided tha immmities
 limue. and come ially the risht of aylum, which



 that her would mot threatern temere tha eredentials

 at thi throth. lant is wis with frituce that the









 matillit, jupe in 1691 17 (m.

 is thes first late hamel given oll from the ateh of the Antit (9.6.).

Immomillate IBonle se l'thbr.
 ln rail $s$ of Mnnicth. -mand on the han at its junction with the sill, Lsot feat almene acalevel. surromidel and werhmes bomatainrancing from zont to som feet ligh. It is a
 areaded rbops. and fom square atomed with statues. The Frameran ehureh. or Howirehe.
 a leantiful and elathatio momment to the Emperor Masimilian I. (who, however, is harid in Vemal). It andist of a mathe sitcophagan
 knelins purture : while on lotitsele of the aisle are twenty-eight homze tionten of myal (nowty Hapmorge permanow, herer Viacher aml other German artiol-. In the sime chuchare momment
 and Hapinner, and to the Tromese whe fell in
 - hareh of St lam- hav a picture of the Virwin ly Laca- Cranach. The other chief haldings ate the
 by Maria Theresa in 176t-70: the Coblen Rowf lialace: the natiomal musema, the Ferlinandemm: and the miversity (fommed in 16.7 , and, after seleral vicioitules, orginised :mew in 1s26), which hat the usual fom facultien and
 Hethres. To the miversity alle atheched a libary of 92.400 whmos a hatanical waten epecially

 af bumbrok is the find that the Capmome





 importance, onims to it- sithation at the fimal amon the ham and at the how of the bemer lian to Laty, The laman- haul here their mincipal
 on the Comont of Meram: in lisia; it pamed with




InIs of Collor. the name given to ertain aluntary medetios whinh hate the exchave rixhe of ealling permas tu the Deneli:l har. Them






 a dimathall, lituray, anil eltapel, the Temple


 inn derives a considerable incone fonm homes ami







have joined in prowiding lecture for the bendit of students, and in examining camdilates for almis. -im to the bar. They hiake diseretion to almat or refno :my camdidate withont arionims their ramons: lat no objection is made to the admission

 di-bicr them-i.e. to withuraw from them the ritht (1) practise : hat blere is an atpreal to the jutpers fime the doution of the lomelers. The aight of disharrine is exeremad only in the eate of persons suilty of ermimal oflences or frow proferional mivonduct : a fomal inguiry is belli, but the monts- of the incertigation ane not mate problic.
 harinters and judere belongine to the corder of the coif : hut this inn was almbinsed in 1s\%. The shathersocieries, sometimes callen hans of chamery, have mever been of any great importance: their Inildinge have babed inter the puratosion of one or wher of the imn of court, or have lucome the poperty of -mall priate societies of policitoms, se Saphe Inn and clements fon are interesting ly raman of the collegiate chameter of their haidingr. Fon further infomation, see the lieport of the Cimmixion of sion. The steward of any of the imm of comrt will fuminh intembins candidates for the har with infurnation its to the temm of
 Mistong of the hen of court (1s4s).

The suciety hawn in the king': Inms in thatin Inromme the dutien of an inn of cond in relation to the Trish har. The soottish har is organied on an eatirely diflerent plan (sec dnvocire).
 hikel and shander, pantiner ont what and who was mant ly the libellous matter or deseription.
Inocolation ('enarating'), the commanication of disease ta a headthy sulpect liy the introxhe. tion of in pecitic germ or animal prisem into his



 pas matale, tahen after the commemename of the eishth day, be inserted in on bencath the shin of a persta who hats mot previonsly suthered from shallpos. the following phemomena are inhuced: (1) La*al indammation is net np: (2) on the warnth er eighth das there is fuver similar to that of smallpus and (3) atiter the laple of three more hays there is a more or leos abmatant whpion of putules. This proten is termed moculation, and
 lated shathox. 'lhe distaw promed in this atilidial manner is much simpler and lese dangerous tham ordinary smallywa ; ime a- il was all alment artain means of preventing a mberpent atterk of the ordinary diemer, inoculation was murls prate. fisell till it was superected in the beriming of this antury ly Jomers introduction of vanation. The inportance of imwenlation was rewogninol in the Eant at a wey emty prome the Chinese pratining it from the bith emonry, and the Diralmink from at bery rambe antignity. In lemiat, Mmenia, and fiemplat wan in nes, and it
 and Wiales. It was not, howeser, till Latly Mary Wortley Montagn wrote har endeloated letter from - hrimuphe in 1717 that the opreation became anmerally buown in bingatul. In that letter she Whites: "The malljon, se fitid :the so wemeral
 invention of imgraflay, which is the term they give i. Every yar thanamb madera the operation. T'lue in nio example of amy whe that hat dial in it, athl won maty holise that I all vely well

 afterwards she had her denghter puldidy inem lated in Enylant：the＂ymiment was then ber
 at Newgate．and in the－trength of thene une ful mane two thithen of caralime．Promes of Wales．ware inombatal．which yab：allution to the practice．
 lished for mene than a phater of a centry ater its
 from the mediral profowion athd the clerey．I
 the Rev．Ealwatal Matwer，in whiol it is aserted
 that he hat heen momblated hes the devil．The great drawhek to inowlation thrien ont．how ever，to he this：while it was invalabale to him who underwent the ofration，and amplately gharded him from the natmal diveren in its semere form．its elfect mon the ammmity at large wat extremely proneions in lapenge alive the matural
 whas ware mot putectad be inamiation．While one in tive or sis of thon who thok the matural diveste died．the abrave nomber of deathe at the Inecola－

 leath within the hill of montality in the that thirty year of the －thennury（hefine inoculation

 to ste in fome during the late thity years of the
 eflects of immention ont ahom all who were operated on，the total mumber of deathe from thin divean incrated in ohe lamimen year in the ratin of ahout ista 4 ．It tha lanimine of the tsthern－ tury alunt one fomptrantlo of the pelatation dima of smallfus：whereas at the latter pand of the －ane century the manke enotwithataming，of
 incraserl to one tenth：and this immense con－ －hmption of haman live was but the total mil， for many survinge were lift＂ith the jartial or ontire low of－ight ：und with rontitutions an －truyed．The levelit．whim were fixpected from imonation were fir from being realised，and smadlpex wonh dombtew hare wome on in reasinar in itx ilentructive power if it had now luen checket









IIt partibus imfidelimm Latr．，•in the






 ：und larether armeral in the time of the＂rusalac．
 were furni－heol with lamatn ratholie hivapo：lut


 hat preathen mer their allowed rivht，and to sionify thair hand of ratitution but in hritain．




 land，amd lod th the lawinn of the Fiotesinstionl



## 

 tribmal in the limatn＇athonir．Chureh for the


 as the religinin of the limation empe law mome
 religions，for the mpresinn and pron－huent af diment fonn the natimal reend：and the em perms Thambinc and lustinian alphinted oflicial－
 to disemer and to fromedte before the rivil

 lig spithal cemomes belomged to the hishop on
 fer the pmome was deviond matil the spead in the llth and leth embturim of ervtain wete，re－ puted lingerem－alike to the wate and to tho －lumell－the（＇athari，Wallemon，and Dhagense －remend the alame of the risil an well as ai
 －lition of the pmlidic minal，howewer dillimently it

 the chach．In extrandinaty ablmionall wa－ sent lay lope lmocent III．into the smath of
 the spend of the Alhigemian lareor．The fonth
 on hillop and magiotratem the necosity of in－
 hed at Tombume direrted that in bach pariol the friest and two or thee laymen of ？
 the li－hap atl athe oflienem diomered within the小－4．4．
Sol fit，hammer，there wi－bus promentat cont di－linet frow thene of the hi－ling：hat moluc
 purpere was institutad．the chief direction of which

 beethe at pemeral instead of a previomsay a bal

 of Frames．Sulome，morener，it this constitution romatuel it mont The regathon in atriotly latal









 of the fith remtury the lathition fome into





 tur the adinary trimash．In bulant，thmeh




this painfal sulgect. As an ombary tribmat similar to thens of other combtries it hat existend in spain from an early feriong. Ita functionc, low -ver, in thene time were litte mere than momimal:


 ramert- wha hat bent requitat wher to emi-
 The xowermment : an aphicatien was made to the
 (14-s): lut in reviving the tribanal the rown assumed to itecli the risht of : mpminting the impuisitors, :mat, in truh of amtonline the entime artion of the tribunal. lyom thi date forwark Catholic witer- ramd the pamish lughition an
 by liable duibut. Low, and exom the great antipapal anthaty Lhenente: and in lisanciating the churd gemprats amb the liman see ituelf from

 Sonwithatandin this protest, howewer, the span-
 Were atminter, and in las the tribunat emmmencerl its temilie racer maler "lhoman de Tompemathat The prye feeling their protest
 of prutenee to tulerate what they were powerten to supren: but sebal pabal enartmente are commerated by Catholios, the abject of whin wat to control the arbitray action of tha thimmal and to mitigate the ricmar and injution of its proced inge. Tnhappily ther momare were inelletive to control the fanatical activity of the lomal judens. The mumber of riotims, an stater by herente, the popalar historian of the lagni-ition, i- positively




 at shatar death ; and on for the ofler shecomive inquisitursenemal. lint cathomes londly proment
 It is imposible not to see that ldarente wate a stalent parician a and it is alluged that in hio work on the bangue l'wornere 'he hat alteaty
 Whamgh, the efore har hat mate it imporihat In diapore his impracy las apmalin!e to the







 his lamenty. still. with ill the dandetime which it is prailhe to mand the wathang of the lumi--ition in thain anel in it - dramencine exon in
 whinh it is impunilde to ambumplata sith










 its nathe.


or demoneed an whilty, wa liahte to le arrested and detained in frivon, wnly to le Monght to trial When it might arem lit to his julders. The proaredinge were comberted serethe. We was not ronfronted with ha- aceloers, nor wepre their names wen then make knewn to him. The evidene of an aremplice was ahmisible, and the acensed himestf was liahle to be pint to the terture in orter
 ments to which, if fomed puilty, he was liakle Waye death liy fire, the exemplifion in the tarrible Anto da Fé (q.a.), ar on the seatfoh, imprismment in the galleys for life or for a limited periom, fuffiture of properts. civil infans and, in minor raven. retratation amblyhic puther. It is fair th yembleet that somer of the nsides were hat the madinary promedures in all the comente of the are. whether cisil ar eceleniatical.
The rigonr of the Spanish Inquisition athated in the later part of the tith rentury. In thur reiun
 withat the resal wament ; and in 150 the rosal anthonity wa- required as al whlition eren for
 parte. the laynivition was suppresed until the
 lifhurent of the sumbitution of heto: hut it was partially reatom in lsen: bur was it till 1 s:34

 national hebt.

Thar humition wan entahlibued in fortheal in lint, anal it- juriadiation was extembed the the Portuguene colonies in hadial. The rigur of it. proreme, howeser, was mind mitigated in the Inth mbury, amb mater dulm VI. is fell altagether intorlisuse.

 to exerciar : severa and watehiful control wed liores. ar the sapirion of heres. which ofleme
 ahilitiox : hat of epital antemers fer berny the histary of the liominh larnisition prome few
 isention, p. lini), that tribumal hat mower leen






 the Vatican.









fnsanity. No pand definitime of imsanity has





 Aelinition remint in thin, fhat the ber seme tarntal -ymptoms may © int in twopople, and in the they maty comather tome insants, while in the owhe they mas maly be one ui the hain symptome
 - mond alomt imenty man than fommery, it is that


light and darkness．There is an undelined bundre．

 bat while this in true，there is no truth amd litile semse in the common sivimg that all arm mom or lese insime on some point．Such a statement entirely mistake the real signitidane of insatity
 ignoraner．Insanity may he reanomaty deveriled，
 －such an alteration in any or all of the mental functions of the hrain as makes a man mofit from this canse to do his work or manage his allitirs，or mineste in thes somety of hiv fellow－men，or which makes him maste to himsedt or othoris or to soritety， this alteration mot laing soldey the reant of ferer．
 working wi，or impurefection in the develobrment ui that purtion of the brain thmogh which mind is maniterted．Jn dedinime or dererihime in－anits we
 combitions，somnambalinm，mere eceentricits，lys teria，trancory loran exvitement due to religions
 canses．A mother who boses contwod oror latered when de heras suddenly that at child is dead mas lor more same than andler who shoms no ontwad sigh uf emotion on shel an oceasjom．
 imbinity－ur of sanity，fur that matior．Samity is bost frow d ly mornad self－ontrol，and insanity ly
 more imstre dela－iont was at bor time the legal tert，lut it is mot a true wremtilis omes．＇Ther
 a lemal tox ui responsihility，In other words of sanity，by the latw，hat it han lang been ailom ap． Half the hantios knom right form womp in smas degree or othor．

 reference to the mentill fanctima of the hatm．i Fhysiohogish view uf mind an alone throw lirht on the compliated amb wommons ghemonosmat of this liveane．Nomerely metaphysionl or mbigeetive view or stholy of mind seema to hatp us in the leant as to it：thas fart－are inexplicahbe on any shelt view of mind．lamked at fimm thr hamain amb serial puint of view，Ho othor diatare approndien

 divaltion of all mommal anial comblitans．A seitatific siew ui it alomes liviners us into the mentit ame＂motional ：attitald with which rivilived

 ciathe came to lowli at it in jometoly the wane way




 in suall lowiminer like ：uns whot fumetion，then
 Eat ：chal ©

 in ther Instin，It is lhas simderl and lowked an











 atl the newons organs of all the obles of amimal life lind their arme in the mental comters of the haman brain．＇The whole of the hamatn larain is not a mental orgath．flame are contren bor motion and wombition and rembation of fandiam，hat thes are all represtuted in，and purelated athl lingedy

 mern has necessatily hecomar what it is in man throbelt the hereditaty inthanere that have wraln－ ally nphailt it since the berimoinn uf lifa．This heredity has bean latrely inlueneed ly extemal romblitions．These haver heent formb and hat thombhont the ages，and the had have left many lad montal rembls．in so far as matural solection and the strugele for existence have mot empleated them．The mental ongon in the haminn hrinin has thas liemme the mont rompliated，the most deli－ rate．and set the mont pertent thiner in matmo． imoresomablat to all simmlifom within the borly
 mot molnly if healthy，to all these impurasime ind －fimuli ：containing within itati．in at way that fet we are mot aren alole to realiner，hereditary matities． liad and 9 onn ，from thomsands of ancestors．If thin is wo we is propared to helieve that thmole evil leveditary influtmees，amd form exil monlitions ont sile it．this uratn may witen he when in its nommal working．Thar most important form of anch mpet is insimity．Becanor it tunches the hishost hrain fnnetion．The sturlent of mind physiolongeally timds on the threshold of hiv studien that erery form of mental eneros in just an bereditary as the colome of the hatir or the shape of the mone：lie timds that volitional fower．reamoning armoness，emo－
 instincts，retentivememory，and mental mantiveness of all kimds are all trambintod hareditaly．Ila is therefore prepared to believe that theme same laws of heredity hase determined the volitional prata－ lys，the beanoming and the emotimal preverions， the lomas of memory，amd the mental instahitity
 that it in proballdy the mont hemenditury of all いませかいい。
frombl stamptoms．－The symptoms of insanity
 It is only simer the liseme wats stmdied from the phrician＂：print uf wew that the loulily symptoms
 wan eser sern till it was lowherl for ．Ximatars：






 nemtal gring，whirh is the domanant stmptom in melithelatia．It in int mantial liaw of lifo that
















motnmon symplom in a dimintion or lowe in the
 forme ni insalits. 'lhen we hate proverom of the










 at surt of tiack thomotial wity, but inthencines



 chpronnity to all with whom he romen inta rontan, will mat romploy bimself in ominary ocenpatoms, amb refaims fom all amonempht : the other will maly spak of hiv delosion when asked abont it. will low a rapital blackismith or sumbler of thoms.






 ahosatace, and so the mbjectise is tahon for the ohjective Every time al fancy is m lowherl on it -
 of the natmat montal lamperament by ontwaml



 lofore him, and whan weak hataly and latels of
 theopic amd he then bake a ferer, during which he is delivions, atol fandex atl the than blat he heriry
 gihts in -nch a rave that after remore hat with still



 spertial spone impres-ions that have no wht wat


 -


 tions, whirl an mivinderpreterl hy the weakermed









 is that it ranmal lay in amy way rhathand me
 labre. I man lhinh- lar is mimel and at batmor: ron himer hiv lamk homk and sum him that he hat





 strate the manality of his improsion. Another very imputtant and mos dangaraus symptom ill insathity is the tembenes towame mititle. This



 sombetimes pationts attrome their live when mos
 her what they hatw hame Jitiond-sity thats ingat






 protert and jomerve it. Withont this imstinet lifo
 ing :ts to the desirahility of life that herem ment and animats alive amd hrive to moerasine edonts
 nor lle toral of pain in death. It in the simple
 (ath impair in most mong. Whan at minn allompt,

 thing $\mathrm{l}_{4}$ ran do, in ninely-nime carn wht of a homeded the porees of reanoming is mat the real


 alm of the bone of life is murh lose in some


 stracele far exintemere. It in fwith latotrer to at


 will wher mer impmanion of at strmer emonion on in a ctate of despair may rertamly take hi- mon



 sucgention of suldede, while mimy of the insime are




 prome remmes in very otrongly in ratimatime the atctual aive in ams "atse: lant the bumt timit, the
 wrame amb ado lhat pery rational motive some

 the mont mionions, who fear efomal dammation an





 'The satme potiont iol uftern stime to the wate


 thowa. The folloniner atre the emomom methorls



 aptamatus for tha fonpome. An dmerican hilled


and then deranitated him: this apparatu- hatume


 the watching of the fatient.

Anothor hurat:al sumpont of insanity very combmon is impubsemaco. ar ation in an antomatio
 intemtion wh bre jationts prot, and withont fomor of comtrol ty the will. A man som a large plate
 bulsively. dmother eatmon rant the impolse los

 naturally What wonlal be the comblate wf lums -ithe ment if
 atcon: If the will is gatallown, as it is in many


 and morally may dolbore their whekehnem in sielatirg to them, vat laty no power la comtral

 act- are dome amd mot remembered atterwads at all.
 pixal ami inerolutence when bald that thes have smathed furniture or trial to kill their children. A patirnt mere attemberd bor own life, athlenty
 ant, and wat anmaend when bohl what she had home she was a gentle whendons laty of the hightst pine iples. Whomever she prased intor this condition of tialse coms-bomomm dinrings whieh snch impulave :utt were bone sho womlal share at whe pattionl:u picture on the wall, abl woblal mbine at
 she had mo particulat ferliner alout it when in her


Ont of the mond contmon and most painfal

 her suchinor elailal: theri-tur remen to lase the brother: and the lawhat diabikes or surpere his wedided wite. 'lhis in mot mavromal, but in

 memory is mot nevenarily aflontol in insanity. In
 with hnnatural vivilmo. I man dhimer simple






 whelber pationt- romember the abint- that late
















 diacrimination i- Jow. ('ommomly, a lumatia is








 tumency is in insanity for idnas to mogent gro
 The habite of hife are motably rlanarel in most
 thomselven in thoir wily ami momen of liviner. The rleanly heonmes medeanly: the materly man dinamatal.
 following. 'There' is samely any momitom more
 than alopplasiness. "Thed nathoremwort ramorer, halmy aferp, ceptaingy departs when the termble
 does not follow that beramse a man in shepploms ho is minm lo laz insine, hat almost every himl of insmity is shophensin ithearly maces. Nor does it hey any mean follow that werplemones is alwats the counce of the attack. It is mather in mont canes. :an maty sumpom. The next honlily symporn in impurtincie in morhdurasen of areech. On the patients -preed we ehiclly depemb for ome tiannosis

 rat : it may he wer rapid, slow, ne emtirely abont. A batient at Duningside Solam never nttomal
 guite well bat for ablelasian he has, and he worlis well, writem to mpres his wishes, now out every Situmbay and mex the rights of the town, and belatres mostly like a satme man, sate in thin patr-
 lont ur Aropporl in insanity. 'The attienlation of words is neten ehatherl. Next in impurtance to
 This is given hy the most delicate combined mas-
 heing in the nowt intinate ermmeretion with the mental bat of the hran, aml artime as its eling expmitor and interpeter. It womble limporible

 the dopromed and demented ranon the eye lones it luntre and latlianme ; in maniamal risen it las



 the 'mind mardes alter flos man whon in wotion








 dhaner the firal patt af and alltacle wels fixal, and remaim on afler tha pationt ham really wancel on feel the monhid ramion at all. A lituly whe lial


 for the mext lurnty soitro, fill her death. the






 pationt will oftarl inlio:ta hic emotinn far more than al same mati wombld
'l'her skin, tha hair, the perspitation, the liver, the harat, amd the kidurys are often ebanged in working, and the temperatime of the boty altoral

 feceliner in flar leatl. which dixalynar when it compe all. 'The tmolily semationm ate monably dullen in most arote alfarks. I'itient will wfen
 without feeling of pain. 'lhes buly woudt is



 of the lamly. 'Tlas hirler brain eentres and the

 suflír.
 - Whr rasp of invamity may dithey from amother in all its eymptomo, montial imm lomlily, so that the
 that in both lhe mind is athouted from lirain dis-



 moch wores, beliser lue was mever at well in lis




 to br-as at matur of fact, hati thas insane are not





 "tre". "Are thay tha bettor for the vixit bif

 'Sre thes nime to do with?' 'To mon athe all of
 entirely from wall whom in all thap reverotio. Whare thom are dillioremen it is the lomane of
 mont vartomsly, lint at ther jument time anly two

















 !fie in (:







 whole womml, many cases mot before an yet classifi-
 of the future will la a patholorical one, which will
 pathologe of the varion= furms of insanity is not
 dieation to he mithe 'The forman aineanity maley the mental elas-ilinations at fomme in lomstons
 collows:
 Thas has emotional teprosion, or mantal pain and -rbere of ill-heinge as its leadinge and dominant -vomtom. 'There may in aldition las las of arlf comtrol, insane dolusions, whiely are manally surgested by the dopereson or impulase towarils shiciles an wrll as ins:ipseity to follow orimaty aworations in melanobolia. 'These distinguish it
 in such rases: fometifthe of malanclobios heing - micital. The chief of the berlily symptoms ame apt to be thimuss. Weakmes, a low memons and natritive tome, and momach, bosel, amol liver


 hamas atre taken inta atconnt, it forms probably latif the total momber. It is hy far the most
 insanity on the whale. herines the form bust to
 by sombe amomm of momal depmemom. Of

 if the eans treated at homme atre also incomede

 Ho the mont completa of all forme of imsinity: it

 any on lar fame of imanity that mas lease motrace



















 rannle form inllammation.






 It in hatolly homenary tor that the momer lias mothing whatorm lo dowith inmanils. Xothine is




 l'athont-sallionis fom altomatins insanity lead
there lives one when they are in the melatheloly there another when in thi form－elewatenl stam＂． and another when nearly sane：

Monemenie，or delasionent insenity，i－that form where insinn dehnime are the ehite sighe tif the mental abproution．A man may has，shelt iname
 utterly unchangeahe hy the gainest domomotration
 depresion of mint or exaltation．The intellect is chietly affecten rather than tha athertiwn nature in such a cane．There are almot mo cato of a literal mommania or a murhind falaw lueljef on




 imaginary lervectors are the common sulogets of the stement fom：while utterly ferwore interpeta－
 common form of the latter：The $t$ wo towner are

 sommts，smell，and tartw－are wery common in this form of incanity．It i－mot＂by malle when tha delarions ont tixell ：hat in the eaty stase and when dependent on dramenthent－of the indily leatel！．it i－aitm recosermil from．This form if

 from the meetical sine：
 fordoment．is the tatte of mime where the memory is impared．the reanin！wakend．the
 attention and rurionty tar helow nomal．these Whase havins wermed in a perem who hat at one fime hoon numally contituterl．It i in fact
 consental lat acpuisul．Thi－hoe mot warlly

 melanchalia－when it is but bempered fram：


 many year－ametines．The mot complate fomm


 manlily liin．










 and athonion，which is iory hal for the pationt．












 nh



 ahle tmates．Esohtimally the highest of all qualition is thas lomened in anmont，this tombing towath a di－ruption amb leveruction of oranised woriety．If lack of comom，criminality，：mat actions irm implos herame hereditary and wneral，

 lont there are perom－without deral depereim
 anferblentent of mimb，who will milulanls，and nut in ohedience to any san＂motivs，－math furniture．
 animal impulaes，or kill themathen in whers．hats．
 doine thas thines．We now kum that rertain rewion of the hrain and nervors centhe hate an thim functinn the comtrol of other bertion－गuinhon－ ing the pace of action or stmping it．In the bels highent regime of the hatin we fiml the finetion of montal inhilition．This amtonla montal ation in wher fartions of the hatin combontions．In
 itwy controfling pertion－of－antren of mental


 griat of dut entering the larys whan or


 portions of dhe hain art antomationlly without ans comtrolline artion bo the inhilitine＂ratres．
 hmant lefise who knows right fom wrones and

 the whale hewaling the dieeamed meere－ity that


 lifo or that of wome ame deater to hin than lifo






 immomalis．

 of tha liain that sulume mind and motim．It






 a－























 heredity to ha mand in thair montal finnetion that it takes little lod do it. If it is not at gramel with





 manity mily be intemsely ande or very mila, wry
 able. 'l"hat calnowl by poulommal steady somking is
 very tiar-
 -nomption. is a vary interestines valioly. The
 ne comerl or suit or other omt wamel sign of comsumpr tion, which maty mot lee dincosered till the eletet is


 T"hers arr vaims forms of insanity emmeeted with derangement of the reprorluctive fimetions. I /ero








 most atmorome to lite of all insomities, while the







 ectomberty diomention. 'Thin form of inmanity slomblal





 ditions of life. cirnile insemmty is lypisally seron in







A mambur of rame and leos impertiont rlinial





 thes istsismenty.


 turbing intherome to the latin bring ont thi jur



 labating employmuts. om matromalle eombiloms of life in andorey may rathor insanity in
 it if the stork ix hatl: mot if it in aroml. 'The physial ratmes of insamity, aflatimg the luoly,
 thans the pepertion whimp montal and monal
 religions pxeitensent, do. lim the pumbetion of at casis of insolnity there may he, atme there untally is,
 (2) lue js at a rritioal time of life or i- rom down in -2

 bat laran or a wadi minal before the insanity emmes am. Wfton it in quite the contrary. It is mot the fonk latat an aty their heath.

Niatmor af Imsom!!- - No one now dombes that it i- dra to di-aralor of fanction of acortain purtion of the brain-vi\%. that gat of the contex whirh is the whicle of ald mental fmation. This lumbly apert of it sumbl never ho lost sight of liy physiecians amd velations. Exsmially it in no waly litfers from many udinary diarases: it louins, rums a definite

 of the lunly, umetting the lirain: lom with a acomal bain there mast he asomal mind. 'The vatact pathology of matoy fomms of jnsanity has not vet
 rases that line somm almomatity ran be fomme in 11.4 luain.


 berlily twathent may be wenorally said fo be to



 tome alld bight woking of tha mernoms syotem: fo

 litale and to give thame that dimiaint the baines

 amal mimeral watem ; fo inviguate atml mothe ha life in the open air ; and to let olf molue amol morlid

 bran and landy ros for other. The montal treat.
 panimmatif, rantrod, diatration uf the mind from


 molving of insanity in a mom ditlionlt fask, for


 withent mamber vere the ondinaty moman of ereat-






 "rotatiod till they fantul. The ranly (himian thoury of an mil spint hasing entroul into an

 for the neter watht of sympathy shown towards

 the new era of hamanity. shill, anal medero fur the

 jackets. de., was dinuser], alld that Mon-1estaint sbateme of treatmont war alloghal. 'lhain wat

 and Comally at Jatwell. The nest alvaner wan
 where the insam are larmaly lomalad in privalio families. If mot appliable fo all, or *at to many in liritain, it showed that the insathe wore
 nest alvance tonk jhace in soothan, from Is:ia, thorowh employing the insate nore chandiying them hetter in asymms. makius a-ylums nore
 abuost abolinhing the na of hixh wille ed, enclomed

 amb on the fatms instatal, atme atting mp fully-
 the suecial medical theatment of the sicla and of the resent atente coasts, while fuiot incurable casen are boandiol in cottates in the econtry mader reqular inspection ant anjuwi-inn. Wia are now filly in the arientific erat wen we hoper bearefal -tudy of the hrain and its dismotern materatam the real hatame of the divatar amm alplly our remedie: with the certainty and matrotitile of seithe in eath cate. Tu eembe such tratment for mont of the f(enr, and alse for many of the riell, csalloms for the insem are nowlal.

Every eonntry in Europe hat now provinion morn or lese adeduate for the care amb treatmant of it insane. In (iemmany and funtria asymm are commonly of two relans: the ont for the chre of the carable. near lare eithow, where the patients only staly for a limited time : and the other for the incinalate, larerer in size, lex. contly, and further in
 France (fanm colamies), in leloimm, Halland, :mal in (ireat liritain: it will certainly he motemed. for it enalbe ecomony of mamasement to conne in

 amonite the matlej mambers amb individualiseal patients who are comalda. In Finglad the two

 of establishments for the inmmathe. 'That at



 is far too many to he in one institution if it is for curable pratients. Whe of the lum komw for itscjentilic: wark and practioal - Haco. is that at
 'registertal herpitala for private patient- fullil






 is homomathly di-tinghi-hom ley it raty rathe for the inmene. Fithur in thermi of ther vill eronturs










 levern inathe for the insathe ai monlerate means than in fingland. The lames institution in tiontand i-
 ('raisluediant, whieh hat latue aceommonlation for private pratiouts, juyins either the higher of lower rates, as well as for pander jatients.
 Hotis samatomake the best frovision persilate for


 thertates all "tizens, rich amil jow alike, late the
 of the sumety of Friends in the state of lemm--vhania sere the tirnt manke philanthonpe
 insatur, their eftorts following at a wory homt intersal the worlo bf Pinel amb Tukt. The institutionin the lonted stater are now erowing to he an larse in sife at those in the [nitul Kinsalon. Whe of the mont oriximal asylume in the world. in its flan, i- that at Kankakee, Illimois. It lata
 latil out mothe two sider of at stocet, forming
 rewnt fond these a day $t=$ a erntral dining-roon or
 warl for the sick and the administration laildingare alos situated. The jumision for the imsane in the southemen stater, hemever, is hackwam amd defective: and on the whale, it in Eromelally all. mitted, evern by Ameriano who lame seen its andmome that fireat lnitain hav led the way in it- povisions for the treatment of thatiarar. and that it i still un-urpaserel in the worll.

There ate 185 fublire asylums and 117 private anvlum mos in the (nited Kinedonn. The prineiplen of comatroction of ach hailhines have harombe mach more slomentia and lompital-like amd lese prison-like that fommerly. Fatell one shomal lme a hospitul-hemen, amb the dillerent ward- in it shmal le arranged to suit ditlerent Clasm of patients in diflerent statos of mimd. In


 ward for suecial mental and bodily murninger ren-






 th men and women who mend a somen lati diflerent morle of life fomm ordimaty manhimel. (iond arylam






 tury. buth hat the -ithe ent in view. loogerty
 Ware to the king and the andaten. If the man who helld it from the king wan unfit fonm montal in







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 immato. I now shathte in ksat made certain


 in lanatey wan ilpuinted for sionlatral, athl for vision matle for the imathe of the wommtix that









 - Vialorr in Lamati in atula vaso. If the pationt












 in rommention with lorth lomilemtiary bor bate


















mental dintmbances mot rent on arybum at all, and the daras arnt to asylums in whide there is no

 prorent.

1/urtality. - The bate in from sol to low jev bote of the invane livinge, ar abme five times the deaterate

 wher dimande.
 'T'akins the mumber of promos livime at the dillier





 that theme atm !erionls anecially liable to it vize at
 when the arganiom in just attaning repmondactive,

 worlise atod strains of lifa, and the elinsteterice in


 ins forn its dineatsed aterites leing the atane.

Fs Iuswout! increasim!! In England the number



 pro 10,000 of the popuation in 1 la some time. lint

 of the dineame eath satar, athd compate their mumIntw with the pmplation, wa find it has maly rinern

 that there in att atermilation of the insathe frome the











 He me dombt incomaing, ami [mentmathy other forms :um liminishing in amonnt.




 the lattor the formor womld shank lormatl frober-










 intumal in the mantial amlition of its members.





 moral force，ablal impair it－－urial stability．It is







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 essential poblem－of the finture for the telamatimist，
 Insonity is eamomaly the timal hathonwa whing
 the law of mature in the it lives．It in the ont－ come of a civilivatum in which the trat primedy





















 tha＊orizintal famme of the lettorn ato of shlateme





















 lulian．

















 in sambina：tha derlination of ：homar altar loy













 1here ：res mome than at hambed insediptions datimg from the lat to the sh century A．lo．lut motly













 atho in the llaman，whe of whirh ditte form the










 the mhlest jurne of the lewhesi alphabet．It si



 mi－anmation．























B．A．Thane are followed bo the recomo on the base of the stathes which fimed tha sumen Way
 mar Wibethe They are all morliar than the loman
 ahont the rime date is the arematial sizaran iseripton from the Trom，man in the liniti－l Whablut．Uf the oth celtury is the lomer and impurtant inatiptinn of Lyedmin，fomm ly Sir 1．Newton at Hazlicamasom，which helomge for the time of Ifermbun．Ifter the lemim wir tireek Brectiphas herame mowe matrons．The most intereting．from in linhminal puint of view，is that inmalnas on the trephy reeted at bolphis In the（ireck－ 10 commembate the Wefeat of the fersiom at latara．It i－now in the Hiphompane at Comstantimplas，whote it was plated ly Com－ stantime．Smaler insmiption of histomal interest is the ledication to，the Olympian $Z$ ens of at hronze helmet，which fomer？gint of the spoik taken at the batule of＇hame in fit bit＇．，when the naval power of the Etrusams was hatered lag Herol．

 EThutad．It was the patetice of the fireck states the allix copres of treation the the walls of their
 They are mostly hetwent Atho and her allien， and lelonge to the ath and following centuries． The earlient which we pumess is it trealy hetween
 the midille of the foth eentury nes．It is engraved on a bromze tallet whelh wais himg in the terulle． of Zant at（1） Masenn．To the ath eentury mong the interent ing records of the battles fought be the Atheriati－ at loaberom and lotidara：aloo a list，now in the Lomser，of the ，Whenian ritian whe foll in Cyma and Erypt in the year tion bec．；several cmanerat tions of the thearare depmiterl in the l＇arthomen and detaited accounta reliting：to the erection and ent of 1 he limelithemmat thens．The foreronge are the mont important theek inwriptime of the early perind．Thome of later date ate extremely munermas．Ghe af the bant interesting，written

 Syrian poath who i－hellesed to hats peribhes
 the Caledomisus in the yetr eng a．e．It is nus in the Fitawilliam Mnsemm at Combrinere．
It is estimated that 20.000 birek inseriptions are
 lished by the berlins Acalemy in the Compes Inserip－ bennat i irecernan，of which the first two whanes，edited by Buckh，appared in 1ses aml 1s：3）：the thint wlited
 In Läio．Kirchhoft，Kuhber，and bittmarger haveedited
 volume appored in 15\％：．The clatef hintorical inecre－ timb lave hem jublisted in at hamy whame hy the

 The halect inseriptinns are given in＂allers blectux． and faconiniles of the inseriptions mast valuathe fur






 tillle at Alomuser，Vill．1．1．1ns．




 Ciarian，the latian，ant the Hittite，which are




 rocorling the viat－of travelland have bern fomme in Eighot，chielly at Aydac and Am－himbul． The Tittite incerptims，whal are writum in a

 The Vannic instiptime from Amenia are written


 date only fom the an entury lece＂If the earty inseriptions these from the thatse of the kiphus， now in the Vation librare are of extrene interat． There towerther with seremal of the oblent Lation inserpitions，are printerl in thr second ：
 in tiac－amile in Litachlis Preser Intinitutis Momu－ ＂нити（ 1 N6：）．

Latin ineriptions are andued in ande of then mon，consinting of rexular chigraphe fommatr，with comentional mode of expresing names，patemity， trilue whatry，domisile，illewitimars，ahpotion， naturaliatime amb with abheriated ilenignations of staths for freminn，freedmen，atwe，chihtren， ar well an of dimities and function of all lind in all the rarimo rame of onticial life．military，eivil． and sucerthtal．There ate aho cuncontional furmal：for rpitaphe：and uthers are emploged
 ou baildings．temples．whedueto，and statues，in well as suites，execratims，and lheatrial tisseme．
 freffiti acribhled on walls，sudt an then fomai at Pompeit，which have a litegature of their awn． ． a specmen of the way of interpreting an ordinary Latin immption，we may take the first the limen




 steris fum






 ment of the l＇mbrian dialoet．There are abont



A complete collectien of Latin inseriptums has laen umbertiken ly the berlan leakens．wath the title
 of Memmen，Hobser，and utber．liceme in 1863，this great work already cextendo to 15 puarto volumes，with－ nut we moning supplements．The baythouk for a lacimer

 The mast complete collectima of the vialect imeriptions uf Italy－Etrnsan，Inhbrian，Weath，amb Nenipian－is










 in at low hat Trmillapon in Sornas：and the

(1) the ${ }^{\text {bll }}$ eenturs. Gne of the mont interentiner is on a mataive onllen tortue foum at biazth in




 memory of king Jofritl, who died in bizo. It Diarnspilie. in ('umbentand, there j-a roch with at
 lev Rabrert de Vanx, a Corman knight, of (iillaik

 tion of "ardnons peren on the erneifixion.

The best collection of Rume inseriptions is by $1:$.






Ameriven Inserijutions.-In Greanland, on the Shomes of ballin lbily amol lavia stomit, a fow
 Thesy probathly date from the floth amol loth cen.
 colonists or explorara lieeords, varionsly conferetured to be limic. Junic, Celtiberle or Xnmid
 notals]: on the Dightom lionli in Mas-arlanvetts, in

 where. They frobs. however, an examination, to lee "ither natioral markinga on the rack, or the hatf.

 Vere ditherent are the mameroms inspriptions on the wallo of the palares and temples in the romed
 malar. 'Jhey are writtom in manown chatators,
 or pietorial writiner, akin probably to that of the Aztere Msi, which as fot have luters only inferfeetly leceiphered.

 bern dexiphered in berme seary form be themselves


 engraved on the prommanalar face ot a rack, fom feet abowe the fiann, it belaistma, in Persial. It contains a thanambl lines of writinas in three batryages, Per-jan, Puoto- Media, atil sumbitic Liablomian. Siot only io it of jmmonae historical






 at Kosmajik: thr inseriptosn of Suman limmon,








 Athl the ":




 Hany if the most intoresting of the cundiform and

Esyptan inseriptions are translated in the morre acees sible voluness of the Promerls of the Jesest.

 of rint, a king of the woomid lymanl!, What is heliesed ly Jariette to have lised abonit fort tié 'This romerable reemot is now among the treanter of the ANhmolnan Jusemon at Waínt. 'I'lat his
 whe the mont mancrons and intratestins. 'Ther ramols of the Asjatic camprange of Thothmes 1. and Thothmex 11 ., of heti I. and liameses II., atre all at "thebes. They are obder than the Exoblas, and constitute the chiof matorials Irom which the" history of ancient Eypht has luen recomstomed. 'l'wo of the faces of the whelisk called chabrat at' Seralla, now on the 'lhames Embankmont, head the Hetme of 'lhothmes Ill., who dirst erected it ; on the other two sides lameres 11 . has cansed his own name to lie inveribed. On tho wall of at temple at K゙amak we have an aceomnt of Shinhak's insariom
 latom of the Eersptian inseriptions is the liosetta Stome, a trilingual meoral in freek, hieroryplife, and hieratic chavacters. maraved on a ham of hasilt. Its interest arises from the fact of ithaving adorded the elate which emalled Younte and (Thamoullion to decipher the Egyptian writime.

 Mans of them are grants to temples, matame on e"pler phates. The ohlest and mont interestimos are the ediets of Asoka, the great limblhist king, wha reignod wer Northern 1udia mon aftur the invasion of Alexamler. There are seventern versinms of these edicts. lwo empraved on pillans at [hathi ami Alhahabat, ant the rest on roclos in various parts of Xorthern India, from Orisea in the east to dinjarat in the went. Of hater date are the inseriptions in raves, topes, annl temples. Thare
 Ceslon.
I'he best enllections of Indian inseriptions are in the Turbus Inserintionume Intiourume, edital hy ('umming-
 celited ly lhagess (1sit is): the Eilmoms of sonth Intiant Polnotmethy by Jiurnell (180. $)$ : and Muller's



 satres. Iccounts of mont of the forewoing inseripitions

 of mammals, the members of whioh-Nlom:
 trial, manall moeturnal in habit, and suall in sizn. They feed mainly on inseets and math mimals, imb in adajpatiom to this diet, wheh witen platy at
 of thas malar terots are lemet with mamll reonieal tuleगelos. I few, sumb as the males, harow ; a



 lowerar, hate the remeral habit of shersio.

 thair antmons. Dlturather orra iwn hamineal









way ar other catch insects and wse them for foorl, either digesting their bonlies or simply ahombener the prownct of their decomposition. They ate remarkable for the adaptations of itmetmere aml

 animal mode of morition. Fir it is atamiliar faret that all trpieal plants foed at what maty be callod a very low ehemieal level, whaminer the reguired carlon from the carlwnice atiol gran the air, and the equally emopotial nitmonem foms ant monia, nitrate, amd the like in ran-waterame soil: while animals, min the wher hamd, do mot derime their carlmon from simplay sulstamets fann stame
 smiree than the allommens manfactured ley other animals or by flants. The insectivorous forms, however, break fown the diatinction in so far as they fepil libe animals on substances at a hiah ehemical level: and the mity hemmes more striking ax wrognine that many of the inseetivoroms plint- exhilhit markal sen-itivencos, mohility, and digestirn power.

Altownther there are neady live handred species of inametivorons plants, referable to about twalve remma, and to half a dozan licotvedonoms moters. They are reprementerl in every great grographical reaion, perhape with the exeeption of the African wastes and the Arentine pimmas. For comvenience of treatment we follow Kerner in recognising three sets: (I) those with fits or favities, into which small ammals rater, bit from which they ate nomble tor return-e.g. Bladilerworts and liteherphants: ( 2 ) those in whieh the insect-atelinos dopende wholly on the viscilmess of the leaver-e.g. Urowiblyynn: (3) thone which exhihit distinet
 Smulew and Ply-trap.

1. With Fit-like Tirtos. - The ('omman Bladiler.
 or (trienlatiacear) is a rootless thoating watorblant, not mebmmom in tarms and mashy locha, lint hy momeans anmpermone arelt in manmer, when its hamlame wolden hossoms ate rained on athmer-statlk about six inches almee the water. Amoner the lemaler lavos horme on the - bararling Ioatingr stell ato mullerons
 bant awe its mamm. 'lhey aw mond modi. lient dimpled lati oryans, abul form at -imple lmt velumive 11:1]. As tha ligume - havs, d hey ary lablow
 d dom or vale which


 Mans, known :



 durs. 心b fit they are sate emmerl, hat if they pmsh their way thrmanh the namow door, they fime within the hialifer atri-an and atomb.


ing rells (fondfold hairs) on the walls of the binder. 'Towarls the enol of summer, when the water no longer swamms with rometarmas, the Ttricndaria herins to die all. the life is conerntrated in temminal buls, the hatherm till with water, and tha plant sinks to the hot omm. 'Tluace it rises arain in pribis with a frosh equipmont of hostant haklers. There are momerom- verobes of Ltriculatin, of which seremal are amatie like the ahowe: while othens, ereedally in the tropies, are terrentiah. 'The twoty of combe danges with the situation, hat the remoral hahit semens to be the sams thronghont. We ean wnly mention ath allied wemus, (ambisen, which has trabs uf a dillement pattem, ajproathing thone of the pitcherplants.

Among the pitrhoreptents, the most frmiliar belomer tothe zemun Nopenthes (ord. Nepenthacerp), Whiel ineludes nearly forty grecies, witely dis. thibnted hy wwames ind jumgle pools, froni New Cabedonia and New tionea over tropical Australia to the Leychelles amd Dadazasear, over the Sumder klamb and Philippines to Caylon, lengal, and ("ochin-thina,' The smmang plant has a rosette of

 hollowed broal lower fortion. A atem foots up, homever, hearing other lates, brom and spathus late in form. "mbin" in a cylindrieal tendril, whieh (wists ronnd atjacent limaches and develops terminally into a large cavity or piteher. The temelrils gradually lift the stem, amb over the pool there evontublly hang dozens of pitchers. These vary in size from a eomple of inchen to athont a foot,


Fig. 2.-Pitcherplant:
A. Nejenthes ihuplamphora: B, Nurratentio murpuras: C, Aherlingtonite mitijipnive.
are w-nally lrighty monared with real, vallow, and

 attains its fall size fratly low the rolour and partly hy the hames glamb of the lial and piteley
 weretion aml vonture father down, only to land
 durtine suffere, whame they fiall into thir lower third or half of that piteher. Which rombans water amb digextive mocotion. When an insery falls.


 ferment, (la thind is "adedy like that of an animal stomatel, and the result is the sathe.

Another well-known fitalner phant is sioroumbie purpura (ord. Samaceniacert), windely dintributed In swamply regions nf eastern North Thw rie irom

 The pitelers are topmed liy a erest. which is demorated with redrlinh streaks.and di-pmond su hat it catelne raindrops and lets them shate intor the pitelam. Inverts are attracted loy the sweet seeretion of ertambular hain wn the lif or erest, wamler farther down on a $20-$ orilled romblucting surface covered with downwat printed hairs which forlit] retum, and eventually fall hopelealy into the water oroprines the lower part of the piteler. There they are lecomponed and absubted. Soveral indies of half-roten inseets are foumb at the base, renderins the water lown and pmotrid, and emit. tiner a dinarreeable smell. That diorestion does not encur seems certain, and the fact is emfirmed by libey"s observation that two inseets-a Aly
 tera ( I withoptera swmiovorer)-hrave the harrors of the trap in safety, and ntiline the dunerheap of rotten insect a as a chitable ghate wherein toblejosit eners. The grula. whinh would prish if digestion ocemred, thrive well and eventually bore their way throurh the siles of the leaf. Binds necasionally discoser ther store of insorets and ritle the pitcher with their heaks. While all the species of sarracenia prohably arree in heiner non-ligestive, thes juresent considerable diflerences of struture, whicle we canmot here deacrile. Desides the alowe species-s. purpuror-mathe rankel Hilumphore nutuens (from Nonnt Enraima in liritish (ruiana).
 (from the Sitrra Nevala) the piteler is eaphed lay a lielnet, as that no water can enter ; the enntained lignid innst therefore be whilly a secretion, thomgh still only putrefactive Finally s. drommomelii amb $\therefore$ didulatu are in extemal fomm almost nearer to Depreuthre ant Cephalotu- than to the other - pecier oi sarmacenia.

In the two species of sarracenia last mentinned only some of the lraves are mombied into pitchers, the others remainumg qreen, lanceshaped, and mahollower\}. Su is it with éphentutes fisllicularis (fephalotaceas. near oml libe. -iactard, which i- restrieted to a limited area near dlbans in Weetern Australia. Here in the nsial ba-al rusette only the lower leaves are piteliers. two inches or an in height, heat alapiter] for eatehing ants amblymallowing in-ects. The moter suriate hears ridgus which hell the inserets up, and there are the $11-1$ and attractions of briglit coloni and swert seteretion. Intoxicated, it may he, with the homes, of merely inguisitive

 to the lippery thongh corvariaterd
Fig. B.--Mitcher of Eephetotus finlliculatio.
 los a projucoting , helf, hy an area homet witlo atifl
 rommel abont the intwrned marerin of the rollat. A- the orlamblatr sueretion has an abid reatetion
 erediteel with trat digentiont.




 there is a marked tomblofacy to domal [a-jon of tha

are meen in the hrond haval pratt of Ningenthes lome,
 (4) the pitcher itreli is a deter domeal involation of the midrib just above the temmation ai the tuned ujper pain of leatlets, txerpt in Ceghalotus, where, as liekon clearly showed, it is an involntion of the leaj-htanle.

Very ditlerent from the pitcher-phant, and with aphliances les involved for inseet-cotehina, in the 'loothwort (Lethren spummurie, mol. Semplatariaéar), a pale, chlorophyll-less patasite fomml in British womis, hattening on the roots uf trees and Surubs. Excepting the Hower-stalk, thes stem is virtually molergromm ; it hears suctorial rosts and tooth-like leaves. The later are hollow, and are entered thrumbla a narrow ajerture by mans hinds of mall anmals. These seem to be entanord in protoplamme exulations within the leafeavity, fine exit imposilhle, die, decompose and are ahoorbed. Along with the touthwort ought also to le ranked bertsia alpinet, whose undergound hals, shw a somewhat similar stmoture ant eamivomon halit.
 withrut Pits or Mue ment.-The best representative ui this set is Drosoghthlumt lusitamionnm (ord.
 growing with luxuriance in samb or rocky plaves, to a lemeht of about a pean. 'The hong limear leaves are riehly beat with glands, many home on long stalks. red in ralour, and copions in an aciu, visein, dewhopr-like vecretion, the others invisible to the naked eve, without stalks, eolourless, amd with an acid, di-wolvent secretion, which is only exuded in response to the stimulas of sume nitrogemons substance. Inserts of various kimds alight on the lonur leaves, knock ofl' the drops from the stadket glands, more anximuly about linoching ofl mose and more until they are thoromothly hesmeated, and their trachese chobed. (ivimg uj, the strurarle, they sink on ta the surface of the leaf, where the sesoile orlands begin the disoolvent and abworbent phoces. Wemer notex that the insect-catehiug is so eflective that thw je:a-ants
 ings as a comveningt sulatitute for tly parer.
3. Ilonts whinh ewhibet Distenct Moirmerets in thir Insect-entehing.-The Cimmom liatterwort (I'mguionlu rulyortis), helonging to the same valer as [tricularia, is a widely distributed representative of a frowing on more or less marshy grombl face lig. at
 ing leaves there rises for several ineloes an uprizht stalk, bearing a heantiful tuolipped, spurad flower of a vinet eolomi. 'Thar leaves have a distinct fumerandike odome, dombterm attractive, and are covered with grlamis, mome stabhal likt miniatare mushomms, nther almont somile, buth with a copions, vineid, acid eecetion. Thin serses

 fall on the leaves, on bebhme maty land there, but without motewortly etheet: a suatl insert, howerar, stimalatas al ioploms flow of the fatial
 an inmod is canctht, that haterins of the leathes



 atre aheor heal. Waving linally the matigeatad - Kin


 property dua to at remarthike ferment whidh the


justify anotler oht matom of applyiner the leaves to the wores af eattlo.



 amid which rivesastalk with incomapionoms whitiかh fowers. Verystrikime and rom-tant in the forty
 tivele, "or prowenem whioh grow at diferemt leugthe
 Theme are complos litale tractares with a heald of grambalar vello, sughliad hy momoms water-pipes

 are sentitus mobile, soretory, digestive, and abanotion. I'口 droge of rain they are indifferent, to imitant pardarn they may resumal by inereased survetion: lom whoth a inilige or at smati patiole of




 hewnearol, and meanwhile the secretion lueomme


Firs 1.-Leaf of Dronerom mondiditolue weon from ahmar. tomy aligestive ar peptir. Sore than that. however, the "tratacles curveduwn "10wn that bictim, lisot mors, athl dma, after ath intrevalof remminntes. amothor, till all thetwo fommbed ar jerhaps half wit them rlavell!"1 the dyimemiders. 'Thas whole leat maty beconme collotare if the lrooty is large, amd then, attur ath homr at twas of leisumely bembinge tha lont look lilie a mosel lint. गany kimbe ut
 ailnifl, and even a dragom-fly may fall virtim totherotahimal ediots ut sevaral atjat.







 insw





















of the opposite site: the exitere of the leaf hears mamerons rong digestive blamls: and there are an each laitf nf the hame there sermitive hation which tise whigurly, limt lam that um at haval joint when the leaf clones. The hlatheshots up in St1 |0 =enomis when whe oi tlee -rolsitise latim iss stimulitterl. and if ant inseret is danght in tle trap :t
 tion is exment frum thr. Whands. 1hine tion gres on for a wrek or at fontmiwht ar. conding to ther -i/e of the bouty : limally the digutal material and thas seeration are almothand. and the luat then reapors. There is mi.


Fiy. i.- - bioncea muscipula: ", heat. dratly livinion of lations to a meater extent than in the manders, for thr marginal terth. the bensitise hais. atmd
 deliratey of semsitimoness, the rapinlity uf mosement.

 samdersum has deterted eleqtie enrments simbiar
 culimais.
superdiatly sumewhat like the batherwort, in ite hafestructure very like Dioment, is ath matatio



 Whonlo of freculiarly mombitiod leaver, dim away at
 a cumontrated torminal thft. Which sink tu the



 alome the midribs like that of the thetatg. 'The
 of the olymsite sille when the lati is clowed:














 and 1 her :









 the tivanes.
 ntili-img insects are sos humeroms amt eftertive. that wo are apt do romelnite tos readily that the


 T"lons it has often breen motioted that a leati of

 objeretion to ntility were the eamaty mot as mate in mature ats it in emmamon in everrimont. Hare jmportant is the dilliontry mased by rultivatoms. who point to all sort- of insectivorong jhant fomblinus perfertly withont any insert fomi. To thim it can he retorted that the natmal rombitions of seanty nitrogermas supply aro probally mot
 to alambon belief in the woensity uf the inswotivor-on- halnit. We can mby maintain that it is
 sombs rise ly tho decrease in lle drantity and quality of the seed when wor iusedts are available. From thin. hamever. We neerl mat conclmale that the issertivoros fimetion is the emmplete ar even that origimal funtion of any of the ratiom leat structues above beacriberl.
 fat that sumdew athl hittorvort gemerally zrow amoner logroman on the momso harally ronted in the soil. atmb therefore lew athagest hate orlinary phant- to shek mp the all-imputint nitrosenomis emmpomals. Thes sume relativa seantimess in


 peeatiar animal thet. All are sable th lee averae wothe presenor ot monell limes (2) The diet in ta some rextent a mathor wif ehame: hoth womping
 lombosphler, and ventiperle are eanalit by the

 ctan known an frpals: whin the subterranean Lathratain frinnory vary from the rank of mites. lown to influatians. (B) Tha attratetioms of
 like onlome in the hatemont Inmen insect- whidh frequent fangi. and what of the atherv alon alpeal


 while the frequat "wabation wi hame in the mast









 thoir dimention atolivity. It is sery impuntint, howner, (ar reagnion, with bomen atm! uthore,




 of animials: - imilarly in luth plant- amel animala




 despribed a remmed foming femment, compamalale to that nf the calf's stomath, not unly in l'inguieula,


 detacted not only in insectivoroms jants. lint in - thed diverse situation- as the lates en fitiome

 mals not moly fundamentally, hut aloo in mams debats, amed the insectivorom plants are not
 venratale digestion. (5) There in mo dombt that


 - hairs, and other struetmes in the dithorent finmes are sometimes eredited with this functions almat which litthedefnite information in be forlhoming. In interestiner, if hardy eone hasive, whalomation of the almondent activity is given leg ('latk, who ferl Jrosera with tlies satnrated in pitsate of lithom. and reme days later detectod with the -pretrascope the premence of the metal thanarhant llas whole phant. in fact even in the fowsi, (i) The semsitiveness so marked in smmern amd
 in the leaver, temdilo, stamens, stimmas, de. of many plants, and may be emmpared-thong we

 of atmoli. hat nsmally amd mont readily to that of nitrogenons mbstances. Harwin gives momerons illa-tratims of the sumbers masitivemess to
 Frammof of nitrate of ammonia and the like. In the Hy-thap the sensitivenese, as we hatre arell, is defintely localised in the six jointed hairs. (7) The
 like those in the heaves of the semsitive phant or tha stem wi the han, the stamens of the latimery or

 combare the mowement: with thase of contracting bunseles: hut we are still far from Joing alle to work ont the emmatiom or determine the diverar "nce. Fame pointa may lee noticel : (a) In the temtiche of brmera the movement is araciated with : vinible ehange in the eontents of the rebls. Ibarwin learribed this, jerhatys mintalienly, as
 with amatogotus changer eren elsewhere From what we homs of mosement in other phant, it is likely that the activity of tho insertecathores is "onnected with a change in the witer tom-ion or thratity of the rello. (h) Jather Homemetht of
 or alteration of form : the same has horm ment ly

 form in masela tihres. (a) 'rhonert there in no trae of ansthing like the nemos of amimals, there is no donftr that atimma firowaing motion prase frome cell in rell ami form !atit la part in fotl -












mobitily, and dixestive buwer with those of animal: Sinee thon the ploswongical interent of theop plants hat ben kept atedily in vidw, omr analy of oheir vital procemes levoming with earh yar mome "omplete. At the same times, the morpholory, esperially of the pitelper plante, has been stadied with great shecess. Ther mont dillicult puestion roncenting the wigin and arolution of the insect-catching struetures innl functions is still at problem of the future.
Nee the following general works from which : guide to the vast literature will he whtained: C". Warwin, Inwetirorots phents (1wit); O. Drule, in schenk's Hondbuch dor Butanik (rol. i. 1ssi); P. Gededes, article "Insectivorons l'lants, Enemfo, Drit. : A. Kerner von Mari.
 Plunts. trans. hy Marshall Ward (18s7): S. II. Vinen, Physiotugy of Plants ( $1 \times \$ \mathrm{~s}$ ) $)$.

Insect-powder is a greeninlayellow powdar having a sightly pmgent olowr. When gemaine it is preared hy pmoking the closed flowers of vations - precies of l'yrethrm, especially $P^{\prime}$ far'
 dusted on fleas and ofther insects it soon stupetions and fimally kills them, lut whether this is due to sulate enanations from the oil or to the contact with the powder is unteterminal. It is generally statel that the volatile oil does hot pussess this artion, but the writer has noticed that when midges alixit on a himit which has previously been rubled with an alenholia tincture the powater they become strumfiei, ant in many instances rapidly die. Tlae jowder is imocnous to man, althongh it is stated to eanse partial comfusion of idea in those who sleap in a rumb in wheld much of it hats heen used.

Insects are mumerimally the harest class of
 in many wates sinilay to that hed hy hinds in the bablumed series. Wions separated ats hive and inserts are in structural rank. they have many emmon characters: bath are very rich in species, and exhibit marvellome varioty within harren range: loth are capable of true llight, are on an asprase wry active in halit, eml afonm in illustrations of gray coloming: buth have highly developed sedomy and nervins myans.

 (4. y.), a ventral chatu of panglia, and a domad


 are therfore inclumen' mater the title 'Trawhata. Bat, rontrasten! wih Peripatas and Myrinaums, in-pety has mall two great stops of praves: the
 to ther paiss (whelute the tern hexaluala) : and ath the typurab avase forms have wings. The erm. centration is sent in the rechecel manther of rins:
 "phombex on the himelowly (or ahtomen) of tha
 and in the guthering twe ther of the ventrat neme
 enghamivel mhy in the thlly formed inweres. for the


 tral wt:4.4.








compresed wan-the wing : (3) an chethom, withmat legs, expep in su far as these are rudimentarily represented in stings, wipnitmo, and the like. It
 of the mamber of insects, thongh it is pobably safe to wiy that they exeed all other animits taken


Fig. 1.- Misarliculated beetle:




 Humer: $f$, thata; $\%$ tarsal jomits.
towether. Wer so,000 meries af heotles or Cobemptera and ahme 15,000 moths and butterilies lave been recurled: and speyer estimates the total

 total of insect spection to a miltion.
 phoshones of insets will be dise mand thigether, and that as torsely as posible, refrinu to the
 tions, and to the worlo citerl fur details.

Form.-The homp of an inerot romsta of a dis. timet, modisided licad, pabalaly compered of fomer oberourd segments, of a thome with thre divisions
 typatally will cleven rimes, In detail, hemever, the valieties are lagion ; thes, the thin waintel wesp contrats with the rombermh, the lank gate with the emblact has, the warnfal May lis with the smewhit maramly heros, the minntre miones with the (ioliath lieetle and humming him motho.
 which are ontagenthe of the hatil, not strixtly rom.



 parable with lego are the there parm of momb.
 from the leved, to whall dhes ane juinted ame from


 oryans of the sathe nathe. Thery are hiting and
 thane inserets which shelk. Sus mane the firs pain uf maxilla, whiol hata jointed • patpe" The



diverse diet, then there pairsof monhorgan vary qreatly, as may the wh bemparing thone of cockroad, bmanotly, moth, and her. In conneetion with the three pairs of lews on the thoras, it in neces-ary in indutifing insect from a mannal tor beeme familiar with the divison of the himb into coxa. fochanter, femar, tibia, and tarsal joints. tothes fancionly


Fig. …-M(nth mats of rock roach (after savigny)

 lacmas: $f$ cutas at mavillary palpo h. -nth-mentins of wormd 1 anr Mas:He "t latiuns; mentam ; h. athel Imp: 1, parughiza: lacinia, the last two together formo ing the Highat taken wer from wertoratwamatomy. The elaws amel pats at the very tij, the tarsal hairs and mhands utilined in adlurering to smooth suraces, and the becasional ase of the leg: in froducing whmal onght to he muticed, as also such eontrasts as are illustrated in the muscular legs of the cricket, the lonぁ. lank limbs of laddy-longe legs. and thrse adapted for swimmines, iくin the water buatman. Though larval in-sect- often have rulimentary limbs on the ablomen, wnly hints of legs are -een un that region in the alnilts. surh lints wo fime in the lowert winglem insecto (Thyomma), and at least plansildy in stimge and ovipositors.

Himes- - The alnilt insect manally hears two pairs of dorsal ontemowths or wings on the two justerin ringe of the thorax. The ee are thattened sacs. really flouble, worked hy mandes, traversal in varbus prathrm ln *oins, whidy include airtuber, nerves, and somallike comtimations of the bonly cavity: They are mulovelopal in ame passive femater, ant arrelikewios alsent from many parasitic forms, wod as lice and thats. In there caves the wings have lieen lont, while they have never been


Fig. 3. - Frownection throurh the 'lhorax:

 a."rulla ;


 arome ofloov ken! them explamblat. The two paim may ho almost alike, an in hoom aml hatter-


 hind pat maty lite linheal to the fate pair. aty in




ing amb makking of buttertly wing ense at indices of the promers and relationship of apecies. $A$ (1) their wigh, it ovems plansibh to compare them to the tradieal outumathe reen in some aquatic lavir, and to regard them as pimarily respiatory and - econkarily bommotor." "me may vantire to sumast that the adhlitional remirators etlicieney derivel from such outgronths would increas. the total aretivity of the insect, and more or leso directly lift it into the air.

Lespmostiont.-Inseets an emphatically locomotor animals. They walk, rum, and jumpl with the gnad. rupeds: they tly with the hirols: they flade with the serpents: amb thes swins with the firh. Even the limhles larvie oi many fomms move deftly, contractines their luslies, and utili-ing jaws, bairs, and tulhercles to help them
 alony. some will even jumar to a relatively emmons height of six inches of more, her taking their tail in their months and lettimis sombenly. The limbert larva, and expecially thr true caterpillars, often move with crreat rapidity ; a fow jumb, amd many climb; others milise their silken thread- in sinerlike fathion: while the foundr dragon-llies proged themsehes along by the forcilile expulion of water. Even omme jupe move about, bint the trimmphs of locomotion are seen in the whalt inbects. lieference munt he made tusuch a work as the Intronluctiont of Kirls and Spence, and recouma hatl to actual nhservation, if any alequate coneqution he desired of the variety of ways in which incecto walk, rum, clanh, wim, hamow, and dy. In enmaection with the Hisht of insect it may he moticed that the movement of the wings due not ementially difler from that of hirds, that motion in a vertical direction is particularly easy, that sterelof is more dithoult, enperially since the very lightmens of the horlies of inserte make them hatile to be blown about by the wind. Nares calculates the alpowimate mmlatr of wingetroke per seomal at 330 for the thy, 240 for the hamble-bee, 190 for the hive-bee. 110 fur tha way, 2 s for the clragon-fly, 0 for a bonttertly (ree Fiscivis).

Shete-Inects resembe othor Arthmpods in has ines a limm chitinons entiole formed forn ther equler-
 cuthele bears sealen, tubercten, ant hation, of which the last are mometimes olfactors on othrwise sonsury. In pita of the emonathine ammane there are often glomes in connection with the skin-withethe salivary elama onmoner nemer the munth in
















ventral elazin of nervecentres from the tive
 with the britin be it rime romme the grullet，the
 serots thr ventral chand is cantralineal in if few
 ahlalt－than in tho lansid．

 Thane are oftern asombated with simple eys or ocelli．whid are all that ever ajpear in latrar or
 insects also occor illamer with other hlind aminals in the darline of ofore Anditory meram are repres


 antmman，and pohnthly aloo on the maxillaty palps






 experiment and shservation is atill reabinem on the


 which are luywh the range of homan sisht and
 is almmant wiolenco of semsitivenes to fragrane
 that pomber reeosmition of friemels．kimbral，or fues
 －reme litale dombt that the pumer ni formine dis． tinct imates of extermad aligats，after ond fithom
 shombt refar tuthe work of tio dalan lablack on

 nervons－yntem，we ean only motioe that，in admlithon
 are inorained in the conatitution of many perejox， there is indmbitible intelligenme．an secon in the
 ate in ollaer animals，the intellignome in ermatent in


 emonion－a．g．in the lowe－making and jartemal

 and linmatnex．


 thin layer of chitin contimum－with tha a sterimal ＂nticlo．lint tho longeh and mowtime sary not ：

















 tatians，many cannivatums，a fow miv both diatu：
many ferd on the juites of living oxami－ms，others wnly on frotescence：many anctioly rille fowers uit their netar and pollent，or hant for other inseets witlorrat motivi！！． while not it few arr external or intomal paramites и口on hingroveni mats：the ant lime Jins a jit intos which its umway bres may fall．while Mragom lien attan thoir wingeal haty with apens sulemee： athong ants stmbe． milk the ajhialen． while whlies are so denamerate in pro－ surrity that thes are actmally fed lis thait lavio．Nör －fandal it lee for： zottom that mone of the himber in． mote lixy up mores of fowd batally with par（mtal in． －tinet for the milis of their bomber，and that the erors are ofton lain in tha． milat of ther form


Fig．5．－Anatmuy of Honey hee





 －nital tu the haval ：1pretitere even in eases where the adnlts may



 dition af tle ciroulation of ate thenerbent the latis． For in all inserets the whole hemy is furbotraten！liy




 In mont enan＇s theser trathe：0 ＂gry to the exteriom ly pribed abromer or atig． menter on the laceat intid ：blummen．oftern gratederl hy haits amb ray varionaly divumed．Therceare ne：s，T more ：and houally fowne
 thand primition there wan jmblably at jaile tor
 larver the tracha：a bler wot ＂可＂II（if ther olial the insert womlal trovial but alre shatal ant om latemal a terminal axpam－jons（11：L．
 thin Win＂f which the＂ ＂xyan disolvml in the Witur is almorladel（man

 （idel． ．The very reliciont

 of their life．

 Thas，we hatse the whire uf rapilly moving widers as




 －hrill piping of the mate＂hemtan wheh have at enmphe tram－like instrament：the wiote of the
 the manth ：and the tapline of the dath－watal
 Where not simply antomatio，the sombla serve the allurines phrpme af lowe ange：they may alan




 slighty ilexelophel in amburan wh the literally thmongh reviratom arramenents．The homi－



 or lieart．

Within the buely－rofoth oi the insect there is

 awhere material，mont athandint in the larval
 rioh in fat and fore in want（urate）crastals．whim that of the purat is the revome，fhoming that the material is ared min the recmstruction or meta－

 th burome the－att at phathempence．the lizht of
 PHo－PHorevervo．．
 tulne－or it may tom thromb，which grow out from the upper part of the himitut，and winl ahme often it ereat leneth in the bullyeavity．The


 the mamer of their combutim with the sut．The

 duarly divencerahte in innort．





 fomate or the mow heformote of the mate alway：

 that thes reprome multion＇mophidia．＂Acters










 mum with a male．








 －\％

tight their rival－there can lin litto dombet that
 at mon of hatuty and thenth，while hatural ander．



 inconsi－tent wila that which requalo tha chatratern







 saw flim and gall－wasp：it oreme canally in the silk－moth and akont a bozen other bupidnitera， partially or voluntarily in the drom la arimg of hive trees：aramally in iphides（4．$\%$ ，ant in larval

 atter iollowed har ordinary eenal repmbetion，as in Adhidn．we late tu deal with one of the many
 few incects are exeptional in hoing viphanus， hrinemp forth their yome aline This is atan



 i－trachenl in the queen－temite which ior a time gues on laving thomsank of ris－at the rate of alunt sixts pre minute：
berethoment uf the Etth－Tha，whum of inverts，
 a fim chitinom envelope，with a minute apertme
 thromoh which a mate plement on slematwzon pemerate luate the ovim leares the mother．The sergentation wheh followe iontilation is for the

 ly a whatioly pasive yolk witl seattered malei．
 of edre endoring the rave of sulk．and an the batral surface of the shere of eilipmil the emingo

 of the W＂atoranceth．Hydrophon＝after Hedert：




 cangot here follows．labt it in important to botice
 a domble foll，rombsituting the internal amminlia




 foral．


-the som, form which emerges from the exg-shell is in all reanets a miniature alalt. Withont strik. ing change, hy erowth amd momltims, it heomans an what. From this entice almente of metamo phosin we reatily pises to the life historie of conck randusand lowints, of lice and mont has, where
 The reprodactive organs are of emore, mudewhomed, and there are no wing, but the latter are not attained even ly the adnlt lice. SII the alane
 changen ar metamoryhmis.
(2) In "icaulas there is a slight hat most instruetive difletence betwen larve and ablults. The fullown insects live immo herlage, the younlise in the smml. and with this diversity of hatit is issomiateil at latiot this much dillerence in strmeture, that the anturior lemson the latsa are adoped for inmowiner. F'urthernome, the larval life ents in at puje-cont stage, or, in other wods, the adnlt form in attainelafter a period of gupation. But the stary bedmbs mare enmples when we pase to the Drand-ly (q.v.), the Ephemara (q.w.) and their robitives, where the metamombin is shaghy grater, masmeh as the larwe are aquatic, with chaed rombatory apertures, and with tracheal
 brathe ley open trather. such insects are said to habs an incomplete metamorphois, and are called hemimetatoslies.
(3) Vary ditierent, lowever, is the life history of all the other insecte, such as bintterthes and leeetes. thiss and hees. From the erg-shell there emerges a larra (masgot, gral, or catepillar), which lives a life of it own, growing and rexting ind monlting. often vers ative in its movements and macions in its diet. Itaving aremmulated a rich store of reserw fomb in its fat-lenty, the lara hecomes for a longer time more or leas duiment, berones in fact a juph, nympli, or chrysilis. In this stage. often within the shelter of a opun cocoon, great transormations oremr: winge lmul ont, aphendand of the adult pattem apear, reconstruetion and centrabiation of man are eflected : am! fimally. ont of the fuplat lons there emerges an imaso ir miniature fallormed inect. These have a complete metimorphosis, and are called helometolmbie.

The larser of these higher insects with complete metanaphasis dither greaty in diflement orbers. Thas, the - magent of thes (withont distimet hat. feelers, wedli, Ar) :re di-timeninhed from the "Imbla' of leme (with ilistinct heal), and buth from the raterpillans of lattertlien. Ar., which have limhes arell as latid. The limblese mategots amil grob are degenerate, the cateppillar is the mave normal ty". It istectmieally ealled an "erncifom larra, in contrasi to that of mose Imetalolatand Hemimotahola- tha "camunherifom larva, which is not ern wom-like, lat like une of the lowly
 of tha lenly well dedimed, with hitiag numth-pate,















 for litime, in the alult har suckins, the chanere
commeneing it the phla, and ravely aftecting the lawal stage (.Motogmother-i, e, jaws chamged)." Sere Braner's elansibeation in Hatchett Juckons edition of Rolleston's Fomms of Animel Life (Nos).

Thr Internel Metamenphessis. - Gore af the mont interestiner amb ditionalt problems with regard to insects comems the transtiom from the larval to the abluit stracture. In these forms which hase no metamophosis, of only in incomplate ome, the aryans of the lama develop enntinuonsly into thene af the adnlt. It is fir wherwise in the complete metamorpuns of the hidher insects. There the internal chances are as mathed as the extronal: in fact. there is a pridual recomstruction of ograms duriner the later larval, and expecially during the
 corthed by amolusil sells, and their detris utilised in hathing nur new suctures. To at certainestent
 stitution: that is to say, parts of the larval imgans which have not been -lecialised form the fomblat. timmot the atultstmetmes of suecial impurtance io the alpeatance in the latrat of imaginal dises from which the winss, himks, and epintermis of the imago or perfect impet arise. It mast mot, lowever, he simperal that the transtion involves any abmpt change: the ahorpiom, dis:upmance, alul redacement of orga- is gradual themghomt. Set almost the entire musculature. al great part of the thaclable sytem, the larger pertion of the mid-gut, and many uther parts of the larsa disil! pear ant give pace to the corvesponding organs of the adult whicla are aldapted to a new umber of life. In pursming this study the realer will heat bexim with Martin Imacin's Transfinmutions of Inseds, Lanlonek:- Wrigin mat Mrtmonphoses uf Inserts ("Natnre series, Lomb) and then fase (o) the cited work of Lang and the literature there quoteri.

Gemorel bifio-- I mere this title we cind do lithe more than mention some general asperto of the life of insects. (") While insects are predominamby active amimalo, we find in contrasting the orese or better utill, the families, ahombat illustration of the antithesis (to be real thronghant the ammal serips) hetween activity and pasivity. Than might the famale cochineal inveet represent in ittorpint, sessile tife one extreme, and the expedingly hans homble bee another. (b) In the majority of rimes the adnlt insect is short livel, amb dies nithin the gear ; andult Eplemmin may he literally the tly of a day, hut from this there are many granations
 wars wha or an aged quen ant of thitem. The total longth of life, indudiner the mettmorphoses. saries not a little with the climate of dillerent
 the life is polmoget in thane inacto which hibernate pasing the winter in at hamoly hate hamby demering the mame of life (nee Ibabinathes, Lafe: Weismamis exaty on "The buration of

 (a) It is wortly of notiee that roprombetion in it ereat mumber of inserts of lath sexme is shotly
 cates at once the elimats antel end of life. (d) ho romeertion with the inthron'e af alinate and Masms the arembence af atitiont of "Amombic"












 ath illatation af peralianties whirl have for their re-ult at lown the dratertion of the ir pown

 example of athondo. minicery in form and coloming which i- illatrated in stat variety and frequenes thrmghout the dion. Many larvar, an
 thetie relation the their mannment, whikenthers.

 Many inmets abs sumb their hare skims, hy their diantine mbar or tiato, lay their leterrent
 of "terviyimpattionde." ley the simulat fon whenth, or hative re-istanec with thrir manifoll weathe.
 and literature thete cital.

Chrsifitution.--Thern is an yet a want of unamimity alant the clanitimation if insorts. A basis is roually fom in the degree of metamonlow, the chararere of the winge, the strmeture of the month-arsam-, and the naturn of the wenital and excretmy

 is to we the semerampins almped ly Bramer. See ritell text-hnok of Ilatidnett Jackain and if Lan:.

 almont werywhere the majomity are imbeed trerestrial and turial, imb watially at home in






 The limit-ni dietribution star in oreat part thome




 (1) atmother within thatiner los. I luse trequal



 work- thorme rit...i.





(1)rthepura) in the Carmmiferone rocks. There

 proplectic of rather than referahbe' w, our mondern orders. In the Trits Githoptorat ilwiud: thr firt distinet heetles aphar in the lian. where other higher insete with enmphe metamombun


 siy that the winglos Collombola and Thysanma, at the lase of the inseet serion lombtless represent primitise finme: there leal an liatek 10
 mympuls, and thene aqain to Faripatu= (If.v.), the wole surviving gemus of the ancestal Proterncheata. Peripata-link the air-meathing Arthroments to the rinsed worm- or Annelid. minting, for instare, in ittructure the trachear of an insect and the kinlnes: or nephrinla of a wom. sere Lul, lunck trigin. dw, of Inserts. and then the japmof of haner, Entery, Packarl. de. cited hy Hateluet dackom.

Eremomir Infunt. - Inoect. come into contart or cullicion with lmman interent- in a trat variety of ways. A-far to they are concemed. the strusisle hetween man anl animat is by no mean wer. Strong in nam-her-, many of them are directiy or indirectly injurinus t. man athl his property th an extent which frempently aflects the
 propurity of a nation. birayt injuries to mans prom are faniliarly illustrated in the phation of thens, liee and other mome less
 than the share the mongito seems to lave in the hathembe dispate Elofhemtinsis morlmom. 'The ammance of milow is batent, hat we feel the belicary of the threats in lifis weh when we rememher that the hume thy may dixsminate the weme of
 Itwated whin we think of thase done to properts,

 harer, sme-insedt and colomado lactle. the lant-
 liat ilhntrations of formilabla. ge-ts. 11 shmald
 finest trees and watation semperall may oratinn whamex which have far-stl' effecte on the fanmat sephory, ant even rimate di a combry-side. In















 many was. vontis. wat man their inturoms

lacvar, are exan uned as formb. All thest hemelitfonserer, eetom smatl in the light of the areat face that the matority of glante ame shepement

 flowers.






 Hotal the frequent mextmonce of potectise strme
 thmbers. On the whor hamd, Here are manemms


 from momelomme visitors, and the brimedit is some.
 Erowth of =


 Land. Nsis) : ami for referemeen fo the work of







 tion with the exemory tubnles, was the lirst tu
 mothes) antumbs. Jis contemporaty swammer datm wot farthrr in his invertigation of inseet motat






 the stmy of inserts in eerly somth with in enthmimin whieh le newa lost, ind wate woll to














 natmal eltasibution, in leaphoring tho livery



 and phesioloes, but inhtly urges that - wo mant








 mimntr, and as it werp such momontitios, what
wiolom in dixplad, what power, what unfathoms. able perifection!

As referene has been made througlonet the artiche tor
 the general books-(a) zonlogical text-lnoks. such at those of Clans, (begenbatr, Itheley, Lans, and Ilatelatt


 (a) to tha more pepular mataral histories-l'assefl's (odited ly Martin lmacan and the standard wr liversule (edited ly .J. S. Kimgley): (d) to gemeral worksII. Kirby and W. Fence, Intratartion to bentomalmen (t vols. 1s1:- 2i; ; 1 vol. Lind. 1sini) ; I. O. Westword,



 Tert-buh ai Eintomuluty (Is心i): (.) for lituratnes,
 - Ithershercht, ami the Zoolominel Remorl.



 simer the nombers are manked off ratier ly a comblatation of chanaters than ly any aniquenes. The tithe is usually now replacesl liy that of Passeres

## (!) •)

## Imodvency. sem bankrteres <br> 

Inspertors. See lownom ders, Dinixa,
 In ha military nes: of the term, there are two

 an inoperetur general of fortifications. The fommer infonet the several rompe in their dintriots, amble print ont delioponejes, the eorge locing under the command. Jowever, of its wwo aflicers. aml mot of the imspetoreqneral. The latler is rasomsible for all fomithations am! military works in the

 gemerals, and inspectomsemeral of hoppitaly by
 volunteras, and militia have been almbished.
 Eluence of comb on the writers of tho seriptomes, Which makes thene seriptures the Wian of temi.


 tion rums : Every sioligme inplited of fion is






 amb atlima inspiration for lhat rablation. (bthan


 h the permoniliattion of the divite will whath ere-



 tarioce, as the Motazilites, tmat it with frese mationalinu.

So dactrine of inmplation is formalated either in the flld 'lowimment or the Xiaw. lint it mat




 the writera were in an eeratise emplition or trance ats interpreters of (ionds: will, athl as stach were mo embiome of what they subke. Origen and bater
 and Dughtine compare the writoro of Sriphne th the hand- whith whte what (imist dietatent. Thate
 matim: the hemmers did mot diona- inlly the nature of ingliration, thongh the hemmation hat enpliaxised the unighenere and authority of the seriptures. It was Chlovius (y.v.) who lath down the theory that swom dame to be regetaded the the orthom l'mentant themy-that mothing exist in the sicripture which wan hot divimely - new ted and inspired. Iti- fullower- mate the writern depend ent on the Syinit for their very words, their chnien of exprowion and eramatical form- lesing atom divinely perieet. Buxtorf fomm the liemew cowel print- ingirel. and the swise Formalt
 extended inpriation th the phectation.

The tendenor of all choms of monlem Prometatit thedreg hav luen to pate wholy away from thimoke fif thmoht. Withont at present resading thon who find in the Jewi-h and early Chri-tian literature at ment in-piring rather than inspired

 revelation in the ohd and Xew Te-tanmas. limd revelation ann inpiration in all that makes the nature and will of forl knenn to 10 - in the law: of nature as wedl as in the litepathere of devotion : and hatine reward to the fate that the Clristian dis fernation i a higher form of trath than the fewinh. fund that there is more of divine inspiration in such
 Pilytimis P'otopess than in Ether or most part of the Uhl fontament. between theme extrenes are to le fomm the dusmatic jurition- of all thane who still cling to the bible as the minge revelation of Ciom in Christ. The difference if ofint ate wile. and the diverancie in statemont immemathe. But they may bue rempld tha few hain ty gen.
 partial. ingiration-practivally the vew eathed hey
 innimation. Ihn- In Charle Honlo, teathes that atl the hooks of seripture are eprally inopirent. All alike are infallible in what they tead!. In. - piratim oxtend to all the contunt of all there anceral lowks. It is motembinel th moral and religion traths, but extemb the the statuent of
 The ubjese of revelation is to "ommunicate binow-
 iallitility in teachine. Dr. A. A. Home lown that
 commanicate thom, as Ahraham: that cometimes the writer wat maid for the Holy Sivit an an intrument in makinz it remol of what comerod




 homerime holding that they rall allow fully fing











infallithe in teaching religions and matal tonth,
 tidi- facts: or that inspirationt wav limt a pur minemt dewter of that -piritmal ilhmination Whath in al leso degree is common to all Chrintians:
 infallible, the : in a leon derree. Acheicmacher tamon that the antarity of the spiptural when wan fryme tionate In the closemess of their mation whas

 with Arehdenton Farrar (in the Cltimet stme pusimem (ited helow): "The (bille is the burk which contains the reconds of Codse dealing. with at chowen race, and thongh then with mankint. Ahove all, it is the book which rontains the In-lel ai his sum and the lesoms of silvation. It is mit all of the same value. It is mot all written on the sane level. It contains some thinge which were permitted hecanse of the hand. nesoof menc hearts. . . . Auch of it is written from the imperfect momal and pintual stambal of time of ignmance. at which (iom winkel. Yom will timd recorded in it widnut combuent on disapponal -nhe ofinions and some actions even of ghan mon which were non commentalle. Yon will find attributed to dionl- command emduct which for
 this lunk is a saceed liook, fir the som total and ceneral drift of its teaching i- Joitier and divinar than any yon will tind in the worde finh hy its nwo luftient ntterances and ly the ohritian comsejence whels it has trained, and lis the linal tambard of the gomel, it fuminhes you with ample means wherely to judee what thinse are richt and womp. . . The bible is nu homogenome whole. It comists of sixtr-xix diflerent looks, the work of at least forty writers, written in Hillerent langares and dialects, and separate fonm mach wher lis humdred of years. It in mot a lowk, hut a limary or a literature, Or, an lomton fut- it: We eall mur bihle ingimed beame las realing it and stalying to we find ond way to domi, wo timil hic will for us, and find how we can on-
 bat prey worl of the bible shombla intallible than that Peter and ather anestolic men -honhd never in their traching have made mi-taker, and this we know wat mot ses.

In the Foman 'atholie Clonela some theongianhave awerted verhal inspiration: hat thim has
 ing bet ween insplation and the asotance of the

 Ferognises two factors in an inspirm hamb the natural gemero of the writers on the one hatul ant the impulse and direetion of the Holy Ghent on the other. bint the clume h, whith is the entadian of the canon and the interporer of Sripture has never dalined where the une araves anel the other


 that then ate obliter dieta' in meripthes whim athe not inspliveri

See the artele lamer in this work, as alsu Amonarion -











 C. Gore in Lare Mende (1s!nt): Sanday's Dampton Lecture un Caspiration (1a04): and the immmerable works on the suliject referfed to in the lumks mamed.

Instinet, the montal aspert of thowe actims wheh take rank hetween meonscions redex activ-
 the lowent iommo of life alidins showly towamle that fors, we the roots of phats weroming ubstakes in therir search for aril ame molature, we recognise activities eertainly mbantaremm, opt so emmparatively smple that they ahmost abmit of direet physical amb ehemiand explanatiom. Nome ormplex ativity is at one ablarnot when we watch the tly-trap or sumbew eatching insects, or notice the protective roplomses whinh most anmals make to provoking or stathing stimoli. Thene imply an inherital and wellentablithed relation of jarts (usually nerve and masele), sum that a frequently recurrent form of atimmbs provoke an immediate, detinite ant more or les appropriate response. Such actions manally depend on what is fogratively called a neuro-masular mechanimm-i.e. on the penver that sulnminate newe centres have of responling to stimuli withont bringing the ehief rentres (or bram) intorxercjes. "They may therefore worm even in cut-all parts of aninals, or after the organion is virtually dead. Iligher than these, howseres. are the marvellons activities, mont familiar perhaps in inseets and birds, for whidh more or less of a brain is essential, which are so engrained in the organjon that they require no prartice, which oftem ithapt means to ends, hint show litule pawer of adjustment to movel combitioms, Which are linally the hirthrieht, not of elect indivituals, but of all the mombers of a species. But as we review the anmal series in ascendiner orlar we lecone more aml more impressed with yet hisher actions, for which it heal eentre or hatin seems essential, whith often bopuire to be learned amb are perfected her pretice, which ahlapt means to enl- in movel eitemmstances, and rary greaty amonat inliviluals.

So far we have kept apart such worde as mind, intelliance. instinct. "omselousnens: lut that is no lonser pansble or desimble. for the bast three grades of atetivity deseribed almye are not only olsmery. able facts, hut are alas farts of our perantal experiener, amd monst le comblered in that light. Like animals, we of emarse exhihit immediate nemro-
 smblen withurawal of our finger from it haminer
 which hrains are not necesaty, oceur without our knowing. amd are called refter. Next mon the seale come numerousterions, from the sueking minfamer
 edhert, but yeet have a distinet mental aymet, buing


 Jhiner them is now ontalad by hembity, are more predominant in amimats than in ommelions and ane








 hat dithenlien innevitally arise when we lanin in


 It is alleswor, forworver, loy almant all that ther ald.

of anmals imstimetive, m sharp eontrast to the intolligent combluct of man, merely popresses an ignorant prejudice. So eomperant ohmerver atenies that ant and breo. dog and elephant, beaver and monkery freguently texhbit actions higher than instinctive, in sume rases fuite paratlel to that humbun eomduct which werall intedigent. This. however: does not of comme andelt that any innmal lave attaned to the luman lewel of self ramadom-intelligence, with its ideas and iduals. In thinking abomt the erartes of ation, which are umally regaterl as stages in evolution, it is well to diotinguish the ahfective or oharable eharmentistion from the sulijective an andorieal interpretation : and it is also important to recogmise that the grabo distingrished are not ham amel fast, lout simpls mark areas on an indined phane which sonem irann the ammelra luje to man.

Iofuitions. - We are not conerned here with the geneial questions -ngesented by such deseriptions of instimet as refer it to immediate impressions from the First Dlaver or from the divine enerss actime in the creature. nor is it necessary to discuss thone which make the tern inchude all the adaytive actions of animals in sharp emment to the intelligence of math. Some others, however, are more to the print. Thas, llartmann dedines instinct as action taken in pursmame of an end, withont conmodas perception of what the eml is." Sueneer ealls instimet a kind of organived memory:" Sammel lintler says "instinct is inherited memory: J. J. Turphy deseriles it as 'ther sum of inherited halhis.' decorling 10 Eimer, 'instinet is inherited capat hility, and everially inherited halit: or mure exactly instinct is the inlereited prower of aetiner balithatly and withont sheliheration in at purposefal. intelfigent fashon. mmer the intheme of intarat stimmil. phas or mans others fom without. Acomal. iner to lonnames, instinet is reflex attion into whifl| there in imported the clemont of comacinmones. The term is therefore a gemeric anm, comprisiner all thase faculties of mind which are eondernex] in

 the relation hetween means employerl amd endattained, bint similarly ferfomed momer similar and freguently reurring circumstances ly all the individuals of the same sumetus.

Fachmples.-Instimetive actions are usmally jerfect from the list and imdenendent of indivinat "xarience. Thas, the butterlly makto the remakable tramoition from eaterpillai lo akinlt halbits withont hesitation or failare; thes here riftes flowers on it - lime therht: and the chich in the first fen homes of its "
 as in the nest-lmildiner atotivien of harks. Nor are instincts alwass sullefonty formet, for ants stare leath instead of arians, atm mistithe corn-

 and the lemming in theit imbine for erong right


 rately for vanner which they hover maver to hallohl, and in the nestiner and mideration of our
 drailish in imermaty, in tho butinet of the sporex warme. which poovile froh matit for their fature
 "hioh they have mondr in thoir charf nerverentres, with the result hat the victims are mat lillad ont. right, lant only paralserd.
 truth will probalaly la atamed by emmbininer than
 resnlte of componat redex atotions, and abe there-
fore 1 m oryin mintelligent（
 （t）lue prolitable，and romvert them into instinats withonl intellige wee being eser comermal in the porem（ Ditwin，limmanes）．We ismann point－ont that mut at few instinets are exhilited omls omee
 inheritual menth of pratice．lle holds that＊all instimet is entirely due to the＂romation of natural stelection，：mal has its fonmalitions not unan inherited exproberes． lat ubun valiations of thererm．（3）fantinets may mrine form hathits． which were orivimally intelligent，heemminir byrepetition antomatic （i）arwin，Lewes，low mane－Ne．Vimer dorive instincts frwm inlarited intelliwent lan bits，which sure short－ wed anl simplitied in ＂rolution，though fre－ frently retaining at trace of deliburation．
Redlex Action．
Dagram Muntrating origin uf Insthet hrom reftex antwil
 Rombates







The misein of insurance is lost in antipuits．At
 and grombs atimet the perils of the seds，and prob－
 come into existemas．Firmm insming hap and morelandiee，the step was not it loge ome 10 insmue for the woyne the life of the enpain，on whomso much alepended：and we therefores son fiml trand of whel emantrats，the insmance frepumtly pos id． iny for the smm assured to he paid，not only in the went of the death of the eaptain．lant alme in the went of his eapture hy prates，or hy the linges atomiso．Nomeover，the merehant in thoms arly days freduently accompanifol the veasel in which
 the eromb on cradit，on eombition of paying lomble thedr cont－lamlid he return sately，and the craditor wombl therempen insure the life of the metelant for that particulay woyge．$L$ ife ussmomer proving in this eommertion very eonvenient，it grashanlly was besmeted to in otlier lomaness tramatetions，amd nltimately eame to be somorlat is a means of family． provinion．

The tirst evidence of fire insumater is to be fomme in connection with the Anerns．Naxom guilds， althourly pobably it also was a devolomonent of marine insmrance．The renaler will timd fall in－ formation on the historical asuret of the subject in the virious articles in Walfumis Insurnme limernlo． furtho，and in an essay on the＇lliatory of life Arsuratuce in the Enited Kinglom，by the silns anthor，in the dommen of the lastitute＂f Actumbes （vols，xxy and xxvi．）．


 within the lioyal Exehange，in Lambon．P＇ull detall＝of this prolicy have been promered，brommo it pare rine to the first antlentic dispatorl chan． The perliey was for fisk，Gs．shl．to be paid to liablard Martin in the event of William（？ybons Ging within twelve months，and the poljey was andorwitten lay thintern diflerent permons who
 मremiman wat the rate of ter per cent．Willimm Gighome djed om 2sth Nay list，and the umber－

 （＇ommissionors appointerl to folmanion mbly cetsem
 proliey meant ond fall yare，and they whomed the
 of hambalty，which then hat jurimbledim in such
 denisum of the Commisminurs，se that reventually the maderwriter Jiad to paty．
 lland．in llath was stated in leatimator the mane








 La consiot when fall of getal members whatere to





The nest life amamane institntion stated wan the
 Amicaldo alrealy montioned). It was fommial in

 states that the flan of workines was lhiv: The
 the represemtatives of thase whan dian in the lias year amesixth of the total eontrinutions was to be livilod: in the seromd rowe, it the fall mamber of menthers was emrolded, thon; in the ohime yar.


 enmbles. The fall ematribution from the complete

 lantal in an imbelement inalitution matil lsith, when it wat transerved to the Norwich I nom life In-bramee suciety, amb its polioies wore linally mersed in thone of the Nowirh Lhion on Both Jume Issid. Vimions other life ofliees of the assess. ment wher wern tarled abont the same time, bat all except the Amitable disapurared on the lmasting of the somth sea lbible in 1500 . In $15=1$ tho
 chande Amonrane (bopration, both of which hat bern chathed in 1720 , recelved adhlitimal powers. undre which thas were anthorind to transat life businma. Theretwins hoth manan stomer monora timas at the present lisy, ame are thempere the oblent surviving life oflices in the worlil. 'The limet life pulicy of the Lamion Inomature ('uppration
 life athee which wa shall montion home is the Eqnitable, established in 17 ta . and prontrons still. Its histmy for how mone than a erontury and a puater bas been the history of life
 emmbetad hy men eminent in the assurance pro. fexion. and to its cantionsly directed antorpime in early days wo are in wreat part imbehted for the s.jentilic sommenes of the fommation on whels

 1500 it has heren posible for tram minntuly the
 grataliond thes are dimindamor in number. It





 whices.
 very simple. At lirst the rates of prominn wore




 out uf :
 how mams will lin within at riven timne: anm it Was tuthor seath that ther rate ai mantalits hat at




 kmoverler wan that a limit of asto wat lival






results of exprovere in talmbar form, and so problaced forcromacs of what abe now known its momality tables. 'These show. om of a eriven momber form, bow mitny comalete eateh year of age, and lay morans of at ferpery comatructed martality ralale tho rates of prominm which shombl be elareded for the aswatace of lives rall matily


 anmuitios, which are amalosons to thase comberted


 hased mpon simesvations in the city of live lime, and was prepared by E. Halley, X-tomomer royal
 Tromsertions for Jammary atme Diareh lase. Ther
 Somety were juepred from the martality of the year 174l he lames lbulan, anthor of the huther
 Thomas 大impon, the well-hnown mathematirian, in fommling the suciots. Fater on the Fionitalale :ulopted tibles derived from the Lambon liills of mortality, amal latey on will, that known as

 Surthamptom, daring fort - ix vears fom $17: 35$ ta
 fom a recome of the deatlis alone: hat it was mbeanantly dimenered that thix gave emonemas
 ato the estimate of movatity . Iownat hifue,
 ta have leen the lima to construet motalits taliles
 verr of age in at penblation with the mombers ative



 roathe that tooks place in eatel interval of ames in the rame two parinhes dming nime rome, lewiming
 table formod for many forts the hatsis an which


 day jts buce has not been aditely discomtimud.
 materials for the comatradion of matiality tables from the experione of atornod lives and trifthth

 (1ses) from data lat derival fomm las ammal adhlotsore of the actuary of that utlicet. Lattor an it rommathe of athatis collowhol the repronence






 xading every other. Nans imlivilnal mimpanes


 allliatian





 cont. ©omponal intorest can ber realimed, the sum reminiad ta lan inverterl at amo in onder to prositer

 ten shatl reveive an tholowment of thon on coming of age, it i - elode that !aito such embownents mat lex arranded for, and the amomat now refuired to
 the l(m) children, therefore, a sum of $46,2.2$. must he pail down if he is to receive $\pm 100$ on reaching his majority. This sum is ealled the present value of, or the single preminm for, the endownent. In annuity consists oif a series of eulowments, the tirst payalle at the end of one year, the second at the end of two years, and so on; and its present value or the sum remuired lop purchase it, is fonnd by ealeulatiner the value of auch of these malownents and awding the whole together. similarly, if a sum of mones is to be prail on the death of an individual. a calculation is made for the premimm to coser the rink of ileath in the first year: walso for the seromel year, for the third year. de., to the ntmont phosilife diration of hmman life; and the result- are adiled torether in order to find the single preminm for an aswrance on his life. For the annu:al preminm an equation is male between the valuse of an annuity on thes life and an assurance on the -ame life: arid thm the anmity in this came calledl the annual premium-erpuatent to the -insto preminm is anestained. In onder that -boln calculations may be made easily and simply varion- monetary tiallen are in the first place preparal. and the ealculations. which would otherwise he on laborions as to he almost prohibitive, are therehy rendered ver lorief and easy. in principles similar to those alopted in such simple cants an are above imbleated, actuaries are able to solve many complicated moblems. For instance, it is easy to ascertain what shomld le the premimm for an a-urance pasable in the event of one person of a wiven age dying lufore another prem of a lifferent are: on many lives may he intronluced with varions orters of survivorslip. The simpler question- of this nature may he solved directly from the mortality table and the subsidiary tables which are monally preparen from it: hat when very onmplicated questions arive other processes must lie resorted to. The late Nir .J. IV. Lubbock, loart., in the Ctmbridy. Philusupheiral Trumsertions for the fear 159 , was the first to give a formula of approximation. Br W. S. W. Wonlhouse, in the Sourned ef the Irstitute if Aetumie's (wols. xi. and xto.), pronlacel a formula esontially the same as that oi bubbock, but dillement immit in that he used the ditlerential calcula- innteal of the calculas of thate ditlpremeen. Mr ir. F. Mards, in the Jommel of the Institme af Antmeros (vinl. Nxiv.),
 formula, amb threw it into various shapes tos suit lithorent circmontancen. sor that for fractical purpose these fommala can now he aprlied to solve the most emmpliatiol question in a very
 the matter up, and, in the . Inmomel of the Institate of Actumios (wol xxii.), inventigatiod the creneral principates upon which theas formmlas of approsimation are haserl, and deducul sempal of still preator power than thase which hat previonsly Trean put iorward. Littlo more therefore remains to he done in thi- direetion.

It has alrearly been remarkipl that the rate of mortality increates with thes :\%an. Tho nsual enstom of insurance companies is, lownever, to charge a muiform preminm thronghoms lifo, and it naturally follows that this fremimm mas be in excess of that regnired for the mere :maramo in the earliwr years when the mortality is romprara.
 lated at interest, and becomo swalable in tha later yeare of the policy when the rate of mortality is
learier, and when the uniform preminm eharsed is no lomane sutlietent for the risk. In this resmect life asomance ditlems from tire insmance. With tire insmance a reserve is remuired only for the urs. expired portion of the time for which the preminm has been paid, and to porvinle against thetuations and contingencies. In life assurance aloo, at reatse is remuired for these objects, hut, in allition, a reserve is necessary, as alowe pointod ont, on accomet of the increasing rate of mortality. Ilence it follows that life companies transacting lmsinmes by unform preminms must accumulate large funds, which are not probit, limt are absolntely necesury in order to meet prospective liabilities. Thin iclearly shown when a comprany, as sometimes hapuens, closes its door to new himpess, and detes. mines simply to eontinne its existence in orler to run ofl current contracts. For a time the funds will increase, but presently it will hapeen that the - Paims will absorl the whole of the preminm and interest income. A little later on the claims will he in excess of such income, and the investments will have to be drawn mon, nntil when the lawt policy fatls in the funds will le completely ex. hansted. In the early days of the Ey mitable Nociets, when it was meertain what would really he required to cover the risk, manh larger premimms than ultimately proved to be necessary were charged; amb, as there were no shareholiers, the large surphases which aceumnlated were distributed among the polies-loblilers. This system became so popular that when other companies were started at a later date, althomoh the rates of mortality were mach more aceurately understood, an adolitional preminm, wer and above that remired for the risk anl for edpeuses, was deliberately charced, so as to provide a fimul ont of which bonnses might be pain to the policy-holilers. It is now the univeral custom of life oflices to have a prarticipating clans of policy-hohlers, among whom the perionlical surphses are distributed. There are many way in which these solealled profits are diviled. il:ith some compranie the bommes are larce in the early days of a policy, and erahually diminish as time fross on. Others again wive comparatively small lumnses at the motset. these increasing with the lape of time: and others again give jractically unifurm honuses throughont the duration of the pmlies. Some companies make it a feature to return the surphas in cash, or as a reduction of the preminm. Others 1 reat the share of smphlus belong. ing to the individual policy-holiler as a simele preminm to provide an asourance on his life, in this commertion called a reversonary boms: so that instead of paving away at once the monoy to the puliey-holders, the sums assured moder the policien are increased. Other eompranies combint these varions methods, and wive policy-hobley their choice. The systems bwing ewantially so difliment. it is diflicnlt to compare ont company with another, amh the intending policy-holaler shomlal juge for himself which syntem would best snit his own circumatances, and act acoordingly.

The lastitute of Abtuaries, fommed in lsfe, wat incorporated hy royal charter in listi. Its jommal. regularly publishal now for over forty years. cons. tains a vist numbur of mont important and nseful mirimal contrilntions on the theory and practice of life nsmannes. All the leading metuarios hawe contrilontad, and wery diseovery of iupprtance in antharial wrieno. has first heen fmbliahel in it

 promote the investigation and to dimanimate that kuowledge of lifo wontingrancies. la early lays it intiatorl the syotron of examinations, smal gave
 factorily passed them, of that the dimectors of
insurance companiss condal know who were the men gualitied for junts that might heomme vacant. Later on berturesoijm were added to train the - 1 menten amb momer the almpines of the institnte a texthook in two parth has been pmblished, deat. ingreprectively with interest and anmitise certain, and with life contingencies: the fommer ly suttom, M... . and the latter les the writer of this artiele. Another areat achisement of the Institute uf Setuaries was the eollection of the miterials fers the mortality experience of twenty eombanies, amd their emmpilation in the form of mortality tables and monetary taldes. Tha Fitulty of Acturies of Eilinhorsh amb the Letwarial surbety of Enlinhorgh have abo dome fomblublic semice.

The life A-sinrance Companies Acts, $1570-72$, were pawed owing to the disastrons failme of t wo great rompanims, the Alhert and the Enrojean : and umder then compranies most register their aceomats in specitiml form, and at perionlieal intervals give wry full details relatinge to their aetmarial yanations. The vew taken loy the British legislatme has heen that it is well to allow the companies to be manarged he their own reyonsible ollieials, and that the gevermment shonlal not actively intufire. lont that for the pootection of the politie fall infomation shomble beailable. The act ala have prowed a great hemelit by providing for the recomstruction instead of ligmidi. tion of insuranee eompauies. I thial sreat adsantage of the wets has been that reekjess amalymations have been rendered imposible, while amblgimation that are for the fom of all the parties interosted hase not been interfered with. Sow shel full details of everothor that is done in comoretion with an amalganation mont ine published, that anything like extravarance or unjustitiable expenditure i- impossible.

Firf Insmanet, Marime Insurames. - The contract of fire insmanee is a contract pmode of imbemmityi.e. the asinred may not make a buodit ont of at fire, lat is merely indemmidied against lomsantaned. Therefore it is mot the eust of the womls at the time of purchase that is taken acomut of in settle. ment of a lons. hat their value at the time of the tire. For nstamere, if a merehant have stored cotton for which he rive floog, and if a fire occur When his stock wonlal realise only tson if phaeed upon the makke, then tsoo is the linat of the amomont he can reower, athomorl he may haw leen hobling the coton for an ablume in prices. Arain, if a homehohler have a claim nom a comprany, be an only recover in respect of the valne of his furniture and efferts, aftor allowing for the depreciation dace to war and tear-i.e. loy the eontract of insurance he is contitled only to he phaced in the prxition whiel he oecupred immediately ludore the lire and not in onde better. In thi- impertant reapect tire insmance diflers from life asomrance, leconse in the cane of a lite freliny, the amomet of the interes of the assureat is tixed at the time the prolicy is insmed, amb he may on the death of the life assured reeover that finl] amomint, althomat at the time of the leath hiv interest may possibly have altogether coased. The contract of lime insmiance diflers also in impertant remperets from the matine insurance enntrint. In the latter, if anmb are asoured for lone than their value, the burice linhlar carries the riak himedi far thatanomat mansmand. For instance, if amerchant



 hetweren the valase sif the ganlo and the ambont of the fulley (for fuller infurmation on Marime lanar-
 imaramm eontrat, howeref, the whole sinn cond
in suel event le recovered from the compans,
 having heen insarted in thepolioy. By the average clame the insmed is made his own matmer for whatever amonnt is not eowred liy fire prolicies, athd it is sometimes inmerted in pribie porerimg large trate risks, amd als, in thoe emerime goods stored in stattered warchonsers. by the themal worling of tire falieles, the emmban has tha riatht to refore a remewal preminn, and here agath there is a marked ditterence from a life puliey, which is remewable at the "ption of the atompali, hat bot of the arsurer. $A$ tire policy is mot asminmable without the comsent of the oftice, which it in mad tor sive by the way of intorsement. 'Ilans, if it merchant whace goind are eovered by inshannce sell the Eromb, the porection of the lire joliey is mot there his tramefored. but the pmachaser minst make his awn aryangements. Thas, in the eommon oreme rence of the purchase of a houres, althongh the homes mas have leem covered ly a prion in the name of the sembor, the purdazer cimnot recover mader it withont an imdorsement havins been flated newn it thansieming the insurame from the remdor to himse!f. The contrace of tire insurance is permond hetween the insured and the otliee, and the insured can therefore rewaer only the innomit of his own pervomal lows. Thas, for instance, moless -1 stated in the contract, the pookls of a - ervant are not covered ly the tire proliey in the name of the master: and gooms in the latuls of an agent are mot eovered ha a poliey in the agemts name A- the wording of lire joblicies is very stricty comstrmed hy the comets of law, and an the athere for ther own potection are aften compedeal to take their stand on the literal comenet, thongh they seek to meet liberally every bomefilic (r)aim, tha prolicy-hobler shond be earefal to see that his juliey is in aremrdance with his winher.

Irior to lnot a special tax was imposed on tire insumate exmpanies, ind the retarme thes were

 in the conntry. In ls6!, howerer, the tat was repuled, and a stamp of one pemy mom on catch proby was mbstituted. The result is that, exe"pt in the metropodis, where for the metronnlitan tirehimade, umber aet of parlianment, at rate is faid ley the companies in froportion to the anounts armatel, it is imporsible to say what is the total homimese of the conntry. Nimy of the eompanies volnmatily publish their aceomints, amd how their pronimm ineome and those with at lite mepartmont manst dosa: hat in the cane of panets fire ofliees this is not eommonary.
life othere may be broadly divimenimed as tarifl and mom-tariff. The tarift ate thome which
 tion fommed for matual potection and. loy the regulation of rates, to ohiate donductive competitun. The nom-tarill ofliees abe thome which jrofens to stimate eath risk om it-morits, with but lixiner a minimm, hat most frequently thome ohlices which try this plan lind it unsatiofatory, and sulnemuently join the taritl. Grast britain is emmently the comintio of shecessful life oblioes and several of the British eotmpaten are harmer that amy ermblished in any ohler pat of the womd. Miny of the liritish othcen tranate an emornoms forign busimmo.
Inetustrial Insumore is the mande wiven where life



 ther -rime asomiral: क-1 that, while at all arem the promimm is the sumer, the amonnt of the jobliey lecreasen with the are of the life at entry din

Phommons intustrial bu－inese iv trathenetel in dieat bicam，partly by insurance eompanies and partly
 tuial emmany alume－the l＇rutential，establi－luen in Ints－receivel in intnstrial preminnss in lss！



 allowance，in the event of injury or hisablement fran reedent．Fiven in early thmes there are trimes of
 ing ace itent eompany is the liablway Prasensers． establaled in lats．It tirst，as ita mane implios， it contined its operation exeln－ively to ralway

 fowers so as to transact aceilent business of evory deveription，athe in 1 sat its preminm income was
 promor．many of the cmmpanke combine with it emplogers liability asonrace－i．s．they wamanter
 have to paty thrurh icceblente to workmen in thair novicos：hat withont the weate－t care this depart－ ment wi the hanines is maremmatative some of the atocilent anmpanien alo ionte policies provil．
 city from illues：f hat menerally it hav bren fombl that，sn acemant of the ditlienlty in slefminer illmess， and on acomat wit the ereat liabsility to fratul， sicknea in－urance haz－lecen monolitable．

F＇alelity fimmonter Insumourt．－The lirst attempt at didnlity entarantee insurame alpeats to hate heen math In 1500，but it with miny rears forfore the lan－inem tomk root．Tho first liletity allice－
 The objocet of filelity gharatere insorance is to －boure rmplogers anatiot framal on the part of their elerk－anl＝evrant－

In the Crifed shotis of Amerem inn enmomons

 Sew York，is the liace－t othere in the world，while several of the wher－far－urutas in macuiturle any Joriti－h comanay，except perhapm the Prulentiad． The prominm inemme oi the Jutnal of Sew Fork

 than ten thates thith of any Fatish oflice．T＇ha＇ areverate promins incomm of the forty leadium
 the tosal premium income of all the ordinary life－ a－swrance comphaiss of tho Lniten Kinsedom was only $£ 13,924,0+1$ ．It mat，hows ver，lie remem－ ［moral in eompariner the he figurs that three of the Imariean companies－vize the Mnamal of 大ew Fork，the Equitable of Now York，ant thr New
 and transact a wisantie basinem thronamont the civi－ liand world，whorea－the ereat majority of British




 －tate there is an whicer ehatered with the ducy of
 of makinneraluations，and uf refortinne tho remalts



 mattors quite imbrpmontly of all the wthor．




another the exmminsonter might on the same daty give his artilicate that it was in at position to ment all it－engatemonts．Probibally，homerer，
 tumb the varbors state are madatly amomilatime their resulations．One primipal feature uf ilat Smerban system of trmsorting lusimso is the

 smrpluses are distibuted among the policy lablars by way of immediate lumbes，hat in Amoicat the Great majority of policies are ixomal on the combi－ Eion that polits will aceme only if the life survin． ambl if the policy be kept in force for the stipulated perinal．The eflect of this comolition is that when prolits do sest，they are of conre latere than it the prolicy－holders had received immeatiate bombsor In former times not only were the poblits placed in at Tontine，but the jwlicies themedres were suloject to a shalar arrangement ：so that moles the renewal pemimma were pronetually pail，tha prolicion woultl lapse and the assumed would derise in）beredit froms them．
In tha British owlomes lite arnmance lase aloon levebored in a marsethos mamer ：：mal，comidnr－ in！the relative promations，（ireat britain is left
 are premmant for the succers of then mandance
 of Sivaney heiner the largest，ans pivin！e prhap the largest honnses of any eompany in the worlit； this reant being the in part to excellcont manase－ ment，but principally to the very habls rate of interent which insested fumbs yiell at the Anti－ porles．On 3lst Ibecember 1506 the Anstralian Dntual I＇rovinent Society hat on its looks 128,996
 of $\{1,332,-15$ ，inn the invested finmels anmmated to ゼ13， $2 こ ゙, ~ 540$.

While in the Anstralian eolonies insurance laws difer in various respect－front thane of the United Kinardom，ret they are atill further remover from the recolations of the luited States of Smenisa． There is mostandard of sulvency，and 10 goverm－ nent sunervinion in the manary seme of the woml hint companien have to make retmonsomewhat an the Eritish sostem，so that the puhbic may have full information，In France，Gemmay，and An－ triat there are also laree innmance companies．

Fithomel Insumuméc．From an early perionl the liritish govermment has leen acoustonied to gratht ammities on lives，the transactions being earried out by the National Ibebt Comminwioners．The ammity business having been very large and very shecemsinl，it was naturally thought that an inami． ance businema proviliner for sums payahla at aleath might with equal propricty lo malurtaken，amb comequently，thromblit the medimm of the post oflice， a life－asmbance othee was started on the Vth April latis，hut in the marnitude of results it lars not answered expectatimus．In the rear lsst the ：monnt received in fromiumn was only

 from the operning of the oflier up to Blat December
 loms that the ieventa of many of the privato ofliee for a sincte vorar．I＇robally the reamon for thincom－ patative failare of the libitiol hife－asamano depart
 Imsintos atml no comminsuion is prid to derents．

Nuw \％ablanl lat aton intitatal a syblem of national im－amano but there the pration of private

 Fommaniond paid to acrente；with the result，thate whitr the degartment was inatitute maly in fsit．

 latmi insorance foml amomated io no lenc than x. 291,342
(iemany is the only eomatry which havattempted eompulsory national insurance, and that on a lame sealp. The tirst hill was passed in lys.3, and prod vileal for the eompulsary insuraner of workmen
 fowiding compalsory insurance against accillents: and in 1589 a thind hill hecame law umber which the working-chases will on di-ablement fmm illness or acejlent, of on attainime ohl iure, rective it pension. It camont le satill that the in-umane laws of Ger. miny are base, $\quad$ upn strict actuarial science, lout they are a lubl attompt to shbe a very ditheult problem. In the I nited Kinghom there in jerhaps not the same nem for a comphoory insurance law of thin drastio charater, becanse the poor law bratically has the same end in view.

Intarlio (Ital., 'cattiner in'), a term in art, the Oplwate of reliof, means the representation of a mboject ing hollowiner it ont in at mem or other -nlontance, so that an impresion takn from the engraving presents the appearance of a bas-relief. ste (iEM.

## Intreqal Calculas. See ('alecters.

Intelleqt. See l'sicimolamy.
 ThEMESS, lNELRLATES, JNTONRCATON.

Intendant, the name given in France before the Revolution th the overseer of a province. Ender the completesystem of centralisation eatiblished ly libhelitu thesis intemiants lecame her meve organs of the royal minister. The Natiomal Anembly, in 175!), establinhed in each department an elective alministration. Napoloon virtually restored the inteniants, hut exclanged the hioted name for that uf Prefoct: (l.v.). Intendant is the name of the delun in charen of an estate, and there are intendwuts militaines, intombuts ale le murimes se.

Interealary (lat. intercaluris, 'for insertion ), an epithet ajplied to those monthe or days which were occasionally inserted in the ealentiar to make it correnomit with the sham year. See ('MbESIRAR.

Introummmnninos, LeTTEIS DF, was an anciant writ ixnled hy the seoteh loivyeonneil


Infordict, an eudeciastical enmare or penalty in the lioman foblloslie Phureh, comsistiner in the withlyawal of the alministration of certain sacraments, of the celobration of pulalie worship, and of the solemm burial newiows. laterdicts ate of three kiml-boral, which affect a particular place, and thas eompreboml all, without diatinction, who pende therein; promme, whichonly athert a jerson or pursoms, ath which reach this peram on fersons, and thome alone, mo matter whore fommal and mevel, which athoct buthaphace amb its inhabitants,
 *von ontsiduof itspurely lacal timits. "l"lu" principle
 be traned in the virly diceiphine of pulalis lumaner, hy which proitonts wore for a time delowral from the sateramont-, and from the privileng of prempares at the celalration of the encharint ; but it wa- onls



 fowerg It was draigund to awaken the natinmal
 all alike in the fernalty with which it was visiterf. 'Ithe mont remarhable interdiel-are thome latid urom
 hy dimery Vll., on wexi-ion of the mmater of

Stanislans at thealtar: by lameent lll. on France, umber Philippe Supustr, in $12(x)$; and on Engramd umber dohn in 120s. 'Tha deweription of Engrand mode the liat named interdiot, a-detailed by some of the enntemporary chaniclers, presents a strangely - tiking picture in the condition of the gulnicomind, which it is dithonlt with om molem ileas full: (1) potlise or to underatamb. It womld lee a preat mintake, howerer, to suphose that daring the contimance of an interdict the people were cutiody de-titute of ginitual assistance. The interdis't mainly regarled the smbmuitios of pmlije worship: it was permitted to abministor haption, contima. tion, and the encharist in all eases of namoney; (1) confess and alsulse all who were not promos. ably the enilty participators in the erime which the interdict was meant to pmish: to celelrate marriage, lut withomt the solemmities ; and to confer orders in cases of necessity. Amb malor tha
 bumifuce 111. still further mitigations of its rigour were introlnced, one of whith was the remosal of the intembet and restoration of public workip on certain great feativals, expecially Christmas, Eanter, Penteems, Assmmption, and $A l l$ soms.s. The Conncil of bisel enated very stringrint ruleas th the use of this penalty, ami in later times the gemeral interdict has heen entively dinased, although mocisimally, in veryspecial cireumstancen, and to matk the lamor of the ehnech for some enommons romm, instances are still recorded in whith a fartiendar flace or churly has leen visited with tha pemalty of a loeal interdict.

Interalict. in Koots law, is an orler isuled by the Court of Shession to stop or prohilhit a prevonin from doing an illegal or wronsfil act. The parts allying for it must have looth title and interest to ohyinct to the act complaned of -i.e. he mast be mome than a mere stranser. The primeples on Whids it is erranted in scotland are smbatatially the same an thane in whin the parablel Writ of lnjumetion ( $q$. v.) is ganted lay the Englinh court. - lin Iuterviction, sue l'scility.

Interest is the comsiblation paill for tho use of momey. The interent of floo for bre sear is rallad the rate por cont. : tha mam? lent, tha principal ; and the sum of any minaipal ami its interent, the amomet. The current on matket rate of interest varies from a variety of cimes, the rhiof of whith ate the rehation rxisting botween the accumalation of money and the demands of homowers, the previlime late of jorfits on traile, and the serbity amd damation of the loan. In Ereat laritain the price of the jmblie futula indiates the interest ohtamalne for a lumanent Jan with no risk of lows, while the 'hamk mate'i.c. the minimum rate at which the lbank of Pinclami will disenmat hills regments the interest for trmporary loans with lesm mombted seravity. In the former care, an with lixed anmution the mominal rate of interent neser varies; hat the real
 to priy for the eapital. Thene, if the prive of as fer ernt. eonsols he 98 , the actual roturn will lu: ${ }^{2}$ per cunt.

Interent is emmputed on eithar of two primipules. SIMPLE INTEAET is charged on the principal alone for any longth of time. 'l'he compantation of simple
 tion uf propurtion: thon, havine eriven the interest on filon for $l$ year, to lind the inturet on any other sum for any perion. Varions ingenomo deveces are matho nas of tos sare babmat in these ealenhations,

 where-the interest not lasing paid when dur-it is ableal to the jnineipal, forming the amomat upon

Which the ablmeduent seatr a internt in complated. The bules for mont reatily makine computations hy connumad interent can miny lue etlectively expenem alfelinacally, aml, uniner $i$ to reprement the interent uftll for one year, aml nthe mumber of veare, we anmes a few of the elementary fommalas for $\& 1$, from which the result for any sum is ohtatined hy simple multipliation.
 interest. -. It the emi wi the tirst yar the primoijal (til) with its interest (i) will beomare $t+i$. It the eml of the wooml year the amonnt will he $(1+i)+i(1+i)$, ur more simply $(1+i)^{2}$, annl, crencralls, the amonnt of 51 in $n$ yortes is $(1+i)^{n}$. Example : Ios find the amomat of eth in 20 years at $\bar{j}$ per cent. interest. Itare i is on amd "t is 20 . whener the required amonnt is $6 \times 105^{3 n}=$ (hy


f゙ll lomone $1+i$ in one year. ly promortion
$+i$

 - ln $n$ yenar hence is $(1+i)^{-n}$ (or $\left.e^{-n}\right)$.

It $\bar{\jmath}$ ler eent. -imple interent in sum of money combles itwelf in 20) years. While at componmid interent with the anme rate it takes loss than 15
 interest becomes $£ 6$; at 5 per cent. compoumal interest it hecome t'l31, 10s., ur therelys.
(3) INEIVTLE (ERTALN- Smount of cm Shmmety of $\pm 1$ in $n$ yerers. . It the end of the $n$ veare the fast yar"s ammity will be dhe, amol there.
 Feares interest in ambition, of $1+i$; the third (reckoning lackwarlst, $(1+i)^{\prime}$; and so on to the first year.s annutit, which will amonnt to $(1+i)^{n+1}$. The amoment repuired is therefore the sum of the reometrion series $1+(1+i)+(1+i)^{2}$

$$
+\ldots+(1+i)^{n-1} ; \mathrm{or}^{\prime},(1+i)^{n}-1
$$

(4) Prosene foulue of ond itumity. -This js easily foumb from ( 3 ). as the result there found must avilantly he the preant valne, improved at compmand intrent-i.e. maltiplied by $(1+i)^{n}$. Hence the present value is $1-\left(1+j^{-n}:\right.$ or, $^{1-10 n}$.

Tables for the four clases of valuen alwe deseribed, based on various vates of interent, are arjen in nost workson annuities amd ot her handbooks; and varions nseful reanlts, hesides those immerliately intended, can readily lie dednced from them. - The calenlation of Life Ammitios is complicated by the element of the prolialinlity of life, and is treated uneler INSTMTS.
 was formerly lookel umon with reveat disfavomr, and was either forlidden or rentricted by the Coury Laws (d.v.), which were not timally repealed till ina3. In Enylish law thow is no obligation jumpand on the Jobator to pay anty interest what. evar, thongh the -um has been long dae and often domanderl. The rerlitor ran alway some for lis Abit, which is his proper ramedy, hut he darives no lwoneft from giving time to his iehtor. Therofore, if interest is to be paid, this mone lue, as a monemal

 eotonet ton where it conld be proven to be a elatom hatworn the pratien, or the m-are uf at pattionlatr tratar to allow intarest. Thas, hey the usare of

 a hill of ex hando or promixary nute for the jury to adel interont irom the tine it was dhe. In the
 interest is lise from the diy when the atwithl was
madr. Where maney is dae on a lamal alsorntornt is andeal from the day it miflat thave hema bibla imblif a surety has to pay money for his primitat he eno recover it hack with interest. In all othor caves, if there was no express abrembent almat
 Will. IV. chapr 42, wo. 2s, is july may mow add interent at the omblaty rate on all dobls or sums certain, which are mante pityalole norlor some written instmment at a cortain time: and osen if not due umber a written instrament, then if a writen demand has heen mato, expresily givine notice that interest will he chaped from and after the date of the demand if not pial then, interest will alko he dur. Jint ewron in these last emops it is diaretionary in the jury to give the interest, and therefore it is not clamablat in a matter of consos. As remimls compomma interest, it is 1 fortion not clamahle in any "ane, excent where it has heen expresily tipulated for, or whope there is in some particular tade a delinite custom to pray interest, and wheh ellstom must alwars le proved. The courts grmorally mame $t$ jur eent. when interent is decreed for, hat sumethmes is per cent. ; and where fumblave heen misapplied the fourt of ('haneery ehimpes compombl interest at $\bar{\circ}$ per cent. l'awnhonkers are allowerl to charge interest not execerling a lixal -1111. See l'twצerokivi.
In Scotland the law has always hepu murh more liberal in allowing interent to le claimed on ontstambing delats, for there the converse principle was acted on, that on nearly all hedts whatever interast was elaimable either by statute or hy cummon law. Thus, interent is due on hills of andange, on the amont contained in a lominer or chare to fiay, on sums prajd lyy cationers, on the price of fambs sold, on money adranced at request, on the frice of wooks sold if the usual time of ementit las expired, and generally on all delits when patum is due and has heen lemanded. In certain cases pincipal and interent to a fixed dite are accumaslated into a capital am on which interent rums: and the Ilome of londs, on appeal, may wive lecree for componnd interest. The comrts charge penal interest at the rate of 20 ber enont, agaimot factors and trustees who illegrally retain trunt finmes in their own hands.

In the ['nited States the legal rates of interest vary in the diflerent statos and territurios, from 5 fer cent. in Louisjana to 12 in Wyoming, but in the majority 6 per cent. is the loral rate. In 1103: of the states thare are penalties for umary ranging from forfeiture of the execos of interes to forfeiture of principal and interst. But a hiolier rate, ant in many cases any rate, is allowed by contrate.

Interferences in Physical sciencer, is at trm wheh refers to a very gemmal chass of phemomelna depending on the enoxistene at one place of two diflerent sots of wares, umblutions, wr vibation-. Its esmential chaweter is well illostrated hy the minglims of two sets of riphes produeen in any way (sula as liy the dropping in of atomen) on the otherwive mamith suriace of a meet of water. Where resot meets crest, and tromply meets tromeh, there the reanltant dintarlance is increamed ; fut
 the dinturtance will he diminislad, and wen anmiliilated slosulal the minerging ripples har and to horin with. In shell at case we rath obwore the

 torm, there wo mity late intormence phenobmernt bowing thanallos. lint if, as in the rane of the



of ont onmes, we cannot lope to hathe exhemas
 streession of two tratise of wates reporboing tha
 time. 'Thos, two litherent rass of light will mot in
 It is anly when thoy hiwe heen limurfit foms the




 the primetile of interfarmee and it-ipllation to optical phenomente A risy of lisht, whide for simplicity we hall rogard an bomorememb-that is. of one ware-lemoth and entome-is intrmbeed into al darkened ebsumber thromert two mimate apertares very ebome tomether. The two simbar blivercent rays of light an prabneed will interfore and the realt, as shown on a sereen platema abort distance in front of the aperthes, will be a servies of brisht hatble separated by dark spaces. The cemtral hright hame, wery point of which is elmatistant trom the apertures, $i$ prombend by the superforition of two rass, erent falling with comen, ant trongh with tromsh. The next ligicht hame on either side is the loensor all pointe whose di-tances from the two apertures ditler ly a wave-tomth of light, so that still ereot fall-with crest, and thong with troung. lant at the point that lie in the eontre of the intermediato dark prome the two rass meet so that erent falls with tronds, ami trongh with erest, and thas produce diarkness instead of brightness. The general law is that darkmess is prodnand when the portion of the twa interferiner rise that consint at one point wre in the origimal shingle ray dintant from each other liy an orlas momber of half wavelenirthe: amb that himhtnems is promeed when this distance i- in even maltiple of a half wawnameth. Theoretioally an indefinte number of interference lamds shomin he visible: lout practically this is not so. The chite reasm for the gramal faline of the forther hambe is the dith. colty of obtaininor sutheiently fure homoseneons light. If the light is ordintry monght it will bo fommal imposible to ret really diak apres, simee in this eare the eomponent rase, bemy of aliturent wavelengtls, eannot interfere in the simm was. Thas, if the red lats interfere so as to ammibiate each other, the lhe rays will not elorso, lont may on the rontrary intorfere to intansify eath other Honee arive the colomed bands always to lee spen When interferenee.phenoment are pralneed with
 illu-tratima of tha principle of intorfereme wo may mention the coromar romil the sum and monn when they are sem thomenh a llasery rlomet, the sumbers bows that finge the pimaty rimbow, the












## 











Hntorlakent ("hotweon the lakis"), at village
 hetweren laken Than and liniomz. Aloner the Watmat Aremar ar llighway letwoen the lake
 and frmsions. 'The village is ivital ammally loy - 0,000 to 30,000 torristr, whor matio it theif riart. ind wint for reabhing many of the most womereful ights that the comntry athonde, explecially the bernese therland, whele are the stanlibach, dinturbmanen, thar (irimbelwald glaciors. de. Petre 2121 . The nueltus of the sillage is a fommer Angustinizn momastery (fommed 1l:30).
Inter${ }^{2}$ lineations in a deed are mblitiom or $\begin{aligned} \\ \text { orrections written either on the matin on }\end{aligned}$ hetwern the lines. In bindand interimeations in a theal are mot fatal, proviflet only it is proved that they were math lefore executing the rleed. It inanial to port the parties initial olponite the phate wher the interbertions neemr, in prod of this, or at least ly way of memorambm. latholavits amd other documents the ingtials shomlal also be polt at the places interlinerl. In seotland interlineations onght to he signed lyy the parties, and the fact mentionerl in the texting chase, otherwise it will he premmed that the interlineations were mate aftor the rxecution, and will witiate the deed.

Interlar'ntors, in Sentel law, means a dinding or juldment of a julge or court in a eatse.
Interlnde. in Numic, is a short melonhions phrame played lis the urginist (monerally extenpre) hetween the rernes if it patan or hyinn than. It is now in disuse in lingland. in frenela catherlyals a long interhale is played hetween the verses of the iTherfuifinat. In the (iemman Pro. testant ('lumeh an inturlule (Zuschenspiel) is often phyed letwern each line of the wise. Example of its arti-tic nee may be fomm in MembelsomonWhimh ('ant thy harthen') and st I'oul('sleeprer, wake').
Intermarriage. Nee ("Oxisistativity

Interinittent Fover. Sere diate.
International. The: 'Ther lumputiomal Whrkingmen's Asmonation was fommon at lomfom in Istit. It was, howeror, mot the lirat attempt to entahish an international comhination ut worktu'n. As early ats 1830 a momblut of exilos. chathy fiemman, had taken batt in an un-mormonisl rianer at Paris, and removing to lomina lami formeol at
 Warkmen from mont of the ematise of monthem Emrone to whom ficmman sorverl an atmmom fomerne, the learane natmrilly aronmod ant inter. mational character. It enteral into relation with







 most "atreme sertion of the lightime dramerame in

 tion of the beame.
 mational. hereth in thas sinit of shar litenth wok men to the International Exhibition in Lomoton,


 wi-has for comman action in the rature of latom
ware interchatuged, a comme whith was furthereal by the denire of the mblemer, thromy the work: thene to intlasence pablit opinion in fasome of

 internitional a-nociation of workimernem.

Sazaini was tirat combmionomed to drait a mon stitution for the asociation, withomt atiofactory

 the ame of the new mosement with materly forme and clearnes. Notwithatambing the emomans
 tenterl that the for of the workmon lam not inmmorod: that the eeonomic sulijestion af the worker umbat the bonopoblist of the instraments of
 of sorvithle. in all ita forma, of uncial misery, intellorotial denratation, ant perlitical dependence: and that the ecomanice emanomation of the workinechas. therefore win the ereat emb to which every
 mpars. Forane that the new hopmen awakemad might low remberel vain thongh the want of union, hee Inaintainel that the emancibation of the worls. ingelas- was neither a beal nor a national, hut a social ta-k, which eonerms all eountries where monlorn -ocopty exixta aml whose solution dependon the wacticat am? thenetical conomation of tho most antrancel montrix- Tle nu-aciation deelared that all -anotios aml imblividual adhering to it remondive tomoth. justines, and morality as the rules of thum eombluet to each other and to all men with. ont diasinetion of colonr, creed, or mationality ; no whtew withont rixht- no right- withont dutios. thele intondend to art as a centre of combination and systematie eoroperatinn hetween the working. men of varion- conntries, the lnternational left intant tho orsani-ation ot exi-ting societion which minlat juin it. There wat to he an manal con. hrow. which hombl name the remeral emmuil, aml the wemoral council wombl holl in its hame the control of the asamiation.

Thes statutes drammphy Marx werm alopted by the lime comerme helf at Creneva, lstio: and the -ocialintic principhos whioh from ther tirst were implien in it-enn-titntion receivel explicit tevelopthent at that and -nheruent comoreso- Lamanme
 in! at Braswl-was in every way the most decivive: it fpelared that minos, land, aml heams of communtation homlat lecenme the common property of the-tate, and hy it he handeal over to aseanobitions of working men toi he atilionl anday comblion-favor. able to tha common fornl : aml that only throurlt
 mathal croblit conla] the worknsm wwn ame montrol


 rowarl. Aesam-t the war then inmmin'm beqween



 for the abmbition of the rieht of inluritatue wat mot arrionl.







 ni 以


 istion lome: the alhe-inn of many of its mombur was of a very flatomio eharater. fulombedts the mont real ind allertive wain to thas Intrantimal was in dirmany, where the worker unimu com stituting the Einemach luanoll of the Sucial lemu eract declared their allowion to it.

In kion the International pronmonl to lablel it ammal congress at Paris, thi anofent mat of tha rewhenonary momement, hat the Framodiefoman war intervened to frevent it. The revolt of thas commone with its disastrons comberuchora remblered a congress inposible also in lati. Thar International had little or nothing to do with originating the Commane: omly a fow of it mentres were involverl in the rionse and an their molividual reamonsilility. After the mperemenn of the revolt, Max in the name of the penmal conmail wrote a trenchant manifesto fully molowin:the ation of the Commme. We saw in it a risines of thr proletariat against a elique of lmomotomis alrentures who had seized on the central fown of france. It was a revolt of the proldatiat, thes claso of which socialism claims to he the sperial ehampion; and it was an ansertion, ariatnst the ceutraliving govermment of the mildte elanses, of the ponlitical form requinite for tho development of -ucialinm, the commane or self-toverning local ervinj of worlets.

From the first the control of the Intermational had leremedrd mostly on a group of (ierman exilen of whom Nam was the mmbmbted mijet. The followers of lblanqui and Promhon ex+reined some induence, hat it conlal not be eompared with that of Mars. In 1869 Dakunin, the apost le of anamels. inna, with a lody of followers entered the Intemational. Naturally they objected to the anthorits and eentralising methods of Mars, and at the Hasme congress of 1502 a rumpre ensmel. The anarelist- were expellet from the asmociation, the seat of which was aloo transferred ley the Mars puty to Sew Jork. la 153 hoth partime held comeressen at Cenpra, which mid mothing notable. The Darx Intermational really ceased to exi-t from that time. The Anarehint International, which was most powerful in the liomance conntries, sult an Kinin aml Taly, continned to atet for some year shlatumently : and particularly it was reponsible for the rivings in the eities of southem Suan in
 ibonclad tleet, and were sulpresobl not withont ditlicult:

Nof fumal organisation styling itself lnter natimal now exists. lout the surialist pation of the dillerent comontries, esurecially thone abluminer
 national chamacter of the movemont in which


















 at lioplia. It in sumbleme tor saty, hationdr, thatt

concerned itself with only a small protion of the creat task malertaken lis the association so called. An intermational lemonstration of workmen in favour of the compulsory limitation of the working day to ejoht loms took place in most poundons European and American centres on May 1, 1s!0 (in Lombon the prineipal gathering was on sumday, 4th \ay)。

See Lavelege's Sorthlism of To-rhun: Joha: Lae, Contemportery Sucialism; R. Meyer"s Emanciputionskampf des rierten staules (vol. i. contains the documents bearing on the lntemational) ; E. Villetard, Histoire de T'Intermationale.

Internationall Law. Inder this alesignation are inchaled two lintinct branches of jurispudence, lonown respetively as l'ublic lnternational law and Irivate Intermational Law. Puhlie international law resnlates the relations of states to states: private intemational law is concerned txalnovely with the legal relations of private individuals, determinins by the law of what nation such relatioms shall he governed in each partienlar rase. Jurther, it has to be noted that a variety of relations may ocour wherein a state ann the citizen of anothor state are the sulijects. Here the law is pullic on one side and private on the other, as is the law amministered in prize-courts. In practice, however, such cases are treated under bublie international law.

Publie Intornotional Lete is the name given to the aygregate of males which govern the conduct of semarate states in their relations to each other. For many years the majority of witers on intornational law in Englamd ind America were content to look for the origin of these rules in no higher sonrce than the more or less rentral consent of nations, and to hase them on no morestahle fonndation than the shifting sambs of expediency. Juris. prulenee thus heeanes a merely ahitrary system of man fommlad on tacit contracts ur express comventions, ind its precepts were, logically enongh, eonsinlered susceptible of any degree of modititation, limitation, or alaptation that temporary eonvenience misht seem to demand. These unfortunate doctrines were introluced into English jurisprotence chietly through the teaching of Bentham, hy whom atility was put in the place of natmal law. Ifis [rineiples wore wonght ont aml more specilically atplien by John Anstin, whose works long contimed to dominate English jurisprumence. This principle of otility, viewed simply as engod practieal twot in legislation, or as a reaty guile in applyiner the rules of natmral law to the complex facts of state life, may often prove of high value; anl, acconding to Sir $11 . \mathrm{K}$. Naine, it was, in this aspect, as a 'workiner mbe of lectislation,' that bentham proposer his formma of the cgreatest happiness of the greatest momber.' $A$ a a matwo of faet, however, the mitority of the advoeates of utility clain that in itself it fumbishes the mle of lifer and so sulylies the place: of matural law, the exintonce of which they deny.
'I'hese dretrines lave never found much currency on the (ontinent, and their prevalenee in Encrland aml Amerie:t hats unfortumately hat the etlecet of enting of the jurisumbence of these romntrio-
 whiel in the nations of continental Enroue has eomtinned to rom in the ohl chamme. In reant

 ablitrary notion of poritive law. This mowemont has beren largely aided by the sciontilic spinit, amb ly the close investistation of natore. Similar resatrehes on the ethiosl and momal sides of hmman natare have been equally fraitful, with the remult that the inlea of the aniversal prevalence of law in all departments of lifi las been vindicated, and
the faith of mankind in mature as a reazoned organism has been conliment.

Is a science, acerrdingly, busitive international law has for its ohject the diseovery of those laws whieh detemme the relations of nations to each other. In all hamehes of monicipal law. the law of the relation- sulaistiner lew wem ditizens is delined and emunciaterl ly a legislative athority is apmlied by a julicial anthonity, amb is enforeed by ademuate executive. I'be prostive law thus deblined is aceepted on all hanms, amb eomsequenty a scientific investigation of natural law is only necessary on those vare occasions when alterations are heing mate in the enaeted law. In the base of international law, in the alsence of all legislative, junlieial, aml executive antlority, there really is in the striet sense no prsitive law at all. There are few even of its enntral hoctrines which are not the subjeet of wam dispute; the ohjects to be aimed at are no leso umbetermined ; its history is in many respeets fracmentary and incomsistent. The truth is, as l'ofessor shelion Amos has remarked, that international law now exhilits a positive system of law in the process of making.

The natural laws governing the celation of nations must have been coeval with the existene of nations. It neverthelems remains true that international law, as a positive syotem, is mbstantially the creation of civilinesl Emrone during the last three centuries, and its mes are now practically operative only among civilised stater. In sibite of the fact that the division of the Cireek worh into a mmber of separate commmaties womld seem to us to favonr the rise of such a system of law, it womlil ajpear that, heyone the recomition of certain common Hoblenic customs, no eflort was mates to sysmumbically enunciate any mes of internationill intereourse. The glory of Grece was ahealy waning when the Stries, tracing ont in a more ethieal amd braetical direction the pincijles of soerates, arriverl at the inlea of the persomit and, miving a delinite form to the ennception of the hootherlond of manKind, ennnciated the doctrine of the jus moturale. In this loetrine lay the werms of a momombitan system of international law. In liome the jus ficicte of the early repmhlic-regnlating the formal interconrse between. Lome and other stateslooks like the leeginning of what umber othor eonditions might have leveloped into a system of international law. Snomtunately during the whole prime of the empine, while the manieipal law of liome moler the iniluence of the Stoidal coneeptions was achievines its high tlextiny, the junists were by then theory of a moversal empire entirely shat ont from ablying their principles to the relations of states tostates. Soton, fondr after the Roman empios harl siven phace to separate king. doms, while the lahours of the evivilians contributed largely to the consolidation of the new societies, the imperialistic tratitions all lingering : themer them prevented any ediort beins malos ta evolve the doctrines of a jus intro fortes. Ile:anwhile. the peoples of Einrope, closely bumal in the fotters of an ommipotent tembalion, were painfolly strug. Eling throngh a perion of transition, ont of which were to monge the ereat binopuan momarchies. During this loner perionl the mad of mone cletinitas system of intrmational law was in some
 "nows-the anthority of the inmeh ame the institution of chivalry. Tha marnibernt organisation of the ehureh, lusides eloeking vinhence amb emwolling in somus denves tha thembere of primes, enabled the pures, lakinge alvantare of the lingering motions of moversal sowredgnty, to act as arlitrator in a grath valiet yo eontroversies ranging in importance from the diaphens of private imlividuals to the alju゙tument of diblicnlties of servons
international concern. The institution of chivalry alan, We intromeing leclarations of war heralis and a more homatue treatment of the vanquinhed. and senerally he inculeating the virtue of fitelity and magnamity, tended to arshase the hormo of war. lleantime the revival of commeree and the frowth of the new commercial eities gave rise to -everal primitive maritime coles (e. of. the lawe of Oleron, the law of Wishy), whose pmblication din much to regulate the relations of states in mereantile matters. At length, as the nations of Europe passed into manhood, there came the lawn of a new era and a qeneral rekimding of intelleet tual life. It the same time the Refomation gave a death-how to the old notion of a comuon superior whose decioions were bindins anon states, and - hattered the intluence an long benetionally exercised low the Roman cmia as a wreat emort of international appal. lerplexed lix the terible exantof the long strughle letween spain and the revolted Setherlands, and apratled by the unhrided license of the Thirty Yeare War. Europe cried aloud for aleliverance from what threatened to bewome international atuarchy. The time was ripe for the develoment of a sistem of international jurisprodence. The renewed study of Greek philosulpy had revived the doctrines of the jus matmote, and in the application of these old panciples in the new direetinn of a jus inter grontes was foum the solution of the problem of international order. The first clear reference to the law of mations, a a sejarate hranch of poitive law, and as anch dis-tineni-hable from the law of nature, is nsually foum in the work of Francis os suarez of Cranala (1544-161\%), Le" Lege et Ten Leyislatone. Mere, as in the be Jure Belli of Allente Gentilis, thongh there is no attempt at a detailed syotem, yet the tme charactor and seneral olject- of the law of nations are very chearly indicated. Of the workers who were thus engased in alylying the law of nature to the relations of states, the sreatest and most shreessinl was Hurn (irotins ( $1554-1645$ ), who eombined protomd leamins and keen philowothie in-ight withs a large experience in pullic atfars. In his famoms work 1 e Jure Bolli ue Pucis (1625), starting with the con ception of a real and leterminable law of nature, he wrourdt out his principles into a detailed and symmetrical system of rules. The suecess of the work was rapid and deeisive, and umon the fommations thms deeply laid le its great founder international law continues securely to reut. Wany of his rules indeed have undermene a proces of development, and the growth of civilisation has led to the elaboration of larre boxies of new mexs to meet new wants and changed cirmmstanes, lont the authority of the work at a whote remains un-- laken. Among the most interesting legral products of our day are the manals of the laws of war issmed ly many eivilived statas to their oflicers. in the liehl, and jerhaps the most singular feature of these mamals is the mumber of mes alopted in them lireet from Grotin*.

It remains now to eonsiber what may be called the secondary sonrces of this loranch of juri-pratNence, or the mean- he which po-itive intumational law i- drlined and derlared in the conerete rolations of states. In all departments of juri-prownce ch-tonn or usage is the earlist forn in which pontive law leelares itnelf. There is, however, at constant tendeney for custom to ontlive the rirmumbtances in which they aroee ; it is than constantly necowary to tent the ch-tomary rules loy the tharlatone of natural law. Fiurther, matny of the recorniow rulas of international law mat he traced to the award, given from time to then lig


as are prom in come comeronding to our fomet ai Almiralty. The great bowly of rule conapi-inge the maritime law of nations, thegether with many fombanental rales in other theartmonts, may he fomm in the decision- uf ourl intemational tribn nals, and thus rest on anthority (preedent ia- trost whthy as that wheh emmands the hamage of ther Findixh lawser. of such precedent. priaps the mont valualile are tho fumished be the lecisions given in matters of prize hy sir William soott. Latil stowell, in his eapacity of judge in the court of Ahmiralty. To these julsments, whinh mant alwass form an important prot of a coure of stack on the law of nations, the American dulre Kenit (1.5.) has horne this remarkalile testmony: 'There is scarcely a decision in the Endi-h prizecourts, on any general prestion of probic riglt, that has not received the express apmointion and anction of our national conrts.' A thind factor in the furmation of pesitive international law ix experes convention among tates. While tratie durins their subsistence eomstithte between the farties (o) them the most direct and anthoritative heelarations of law, yet it is clear that, being merely emitracto, they camont directly linil liy their mo. visions - neh states as are not signatorip. Nevertheless, a series of treatie- hetwen diflerent states containing similar tipulations, or eren a smole treaty who provion- have leen accedel to amd acted umon for a lengtlo of time ha a large number of nations, may have improtat etliot, on eonsuetminary law, and in thi- way may materially allo t tates whinh have taken no jart in the matter. Thus, althomg the Cnited states have teadfastly refusel to adthere to the hedation of laris ( 1856 ), yet, if the provions of that treaty contime to be miformly acted on by the other powers, the obligation in the lnited states to conform its mactice to the rules there emboulied will daily herome stronger. Comandered as sompes of intematimal law, the most important traties are those whiel mofers to deelare the almatut law of nations as minlerstom lo the contracting parties. -uch as thone abolishing the stave-trate, or letining the relations of belligerents and nentrals. It is, howerer in the selentific interpetation of the law an eomtained in the writings of the great pullicints that the most impurtant of these secomdary smores of this liranch of juriopmadence is ta le fomin. Fo. render clearer our conceptions of the objeet- of international law, to draw from indatel facts swme general principles, to test these pintiples hes the fermanent laws of human natme a- revealmi he the history of evente and he the monal and physical -riences, and, further, to aphematted primiphes to new sete of cireumstanos as ther arise-to do this and much more has been the work of a long line of eminent juriste, who are at once the witnesses to the law and the rubles of its development. liy the fomation of the Imatitute of Intemational Law at (ihent in $15: 3$ an :thempt has heon mate to call into existence a new asemes for the develoment of thi branch of juri-pumene
The subjocte of intermational law are chereinn states. In all hrandhe of juriprubanee lite in the somere of rishts, and, therefore, before a commonits ran be regarden as laving the rights and heing -ribject to the whication- of a state, it mut he -hown to prosere the emential attributw of sate


 recogning pwor smblameonsty franting 10





of Rommanit in thino in arecent example. Kabghly. we may -ix that, aceorlinor tomoularn conomptions. a statis is a politically ablomomone aroreserate of human hemus. having detinto relation to terri tory, to sweial existerner, to wownmument, allil to certain momal ideas, of which the jhear of a historid fat amb a hintoric futmen and of natimal maty on common interest are the mont clominant and innmistiakille. Imring the nimeteenth reatary thes tembener has bern to lay trese on matiomality a tembence to whose atrensth the reemt mitiontion of Italy and dermany laras elopment testinomy. Neverthelas. althourh a folitical com-
 of very mifferem races of men, or althomeh it consist internally of it miom or federation of smillar commmaties. vet it may be in the eve of intermational law a single state, powirled the Wholo is -ubjuet to one nuprebte anthority: It i*. howerar, esemtial that, like wery jural entity the intmational state, whether great ur small. he marate from ewer other : its momal and phoical activity most be jumblialy its own. The fize that recognition thom implies separate existence at once colts ofl all eolomes, however ianmatant and listant from the prarent state, and all rommonities which. thongh preserving tha oryaniation of a sebmate mation, are in praction shbiont to tha mate of amotrer state. The fumber mental conception of intemational furisputence is that of the interdepmbence of states, as olposert to their indepentence. The fact of the reality of such interlepembence is rever day liecoming cleams with the increase of complexity in the social, commercial, and julitienl ties by which the nations at the world are home one to another. Nostate, for examule, can ablamister its own criminal law or excente its own criminal judsments withont the continnal aid of all otherstato : and in sedarintr at its Uxford meetiner in lswo that extrantion might take place at all times indepentently of any contractual obligations, or, in other words, that the ribht of extratition is a risht at common law, the Inatitute of latemational Lim fommally accepter the datrine of the intemberendence of states as at conception fundimemtal in the law of mations.

Glacetions of the hiohest importance may arise when a portion of an existimestate dion in rebol. liom, amd, setting up: sejrate government orer as considerable frotion of the national temitoties. tember to other jwwers a clam for replarate recognition. Were aqain the gneotion is une of fant, deperstins on the rompleteneso of the bew political and military arganiation and llu pobable estent
 of reeonnition in mill when m-nally taken the fonm
 either from the "ponite party in the wat or from
 recornition, while it does mot confor the pratcolal Misilaces which helobse the therfert state, but giver all the rights of public wat and bimde the



 chane military abl maval materials almome thoir Habr in achombledend: and ladir reveme law are rolucterl.

In the: "No of internatimal law mankiml may be sald to fill inta thrers opleres. to mall of whioh


 natural on mome haman resongitim. The phere



them which hate vindicated their intependence. by the treaty of larin in $1 \mathrm{~N}, \mathrm{~b}$ Tmbey was fomally idmitted to a partirijation in tha ablvantages of the poblic law on Enmore and the system of concert attached thereto." In shite. however, of thin techaieal recompition the position of the Ottoman empire is still poperly omly one of partial recountion. in which sphereare also inchuded l'ersia, China, dapan, and Siam. In the case of Turkey atm] these other countries. even whem diphmatic relation- have been establinhed between them and civilised staters, the recosnition does not extemb to their munipignd law, either public or privater, except as rexards their own citizens within their own frontiers. Wibhin the lurders of all these states se parate courts are main. tained, and to these comrts is entrusted the hecision of questions between the citizens of the westrm states resident in these eastem countries. 'I'les constintion of these consular courts or mixed tribunal saries considerably in ditheremt oriental
 Tha pradice of dreat Britain in this remect is aill manly rewnater be the Foreisn Inrishiction det ( 6 and 7 Vict. elap. 0t). The thind ophere, that of mere hmman recognitiom, extends to the resibue of mankinul.

- 11 the sulandiary pinciples which requate intermational relations, io loner at least as ther continue to le normal, are lirectly deducible as corollaries from the central dotrine of recognition. Thas, share recosmition implies caplety for self - mplort aul selferovinment, each state has the rishe to Choose whatever form of govemmont hest sults the jeople and to exercine without interforence all the jowers which it porsesses. It may entahlish. alter, or alolish its own municipal contitution, di-cover and settle new conntries, extend its navigation and fisheries, improwe its revenues, arts, agricnlart, and enmmeree, increase its military and naval forces, and levelop its natimal rowomees ly all innocent and lawfol means. This fumbamental male that the jural attitule of states is momally one of mutual confilence, and that the highent political wishom eonsists in allowing to rach nation entire freedon to manage its own intomal athairs and ta develop sjontameonsly its matmal resonrees, neratives the jrinciple of the balane of lower, now practically oboulete.

In regards promietars rixhts, each state is owner of the whole area imelnded within dedinte lommo arice, ascertamed by wectubtion, preseribtion, on treatr, 101 ports, fiass, monthe of rivera, ame at strip of sea three mile in wilth hombrints on the ronst-line are incolnded within the territory of the state. In this way each state is malmal more perfeetly to cary into eblect its matime laws and customs requlations, to provide for an alequate
 it remains nomtral, immmity fomm all ate of belli. arenmy between the hipe of the anemy: Where. bowever, bart of the teritorial witters, so dedinded. comsints of a danmed of rommmateation hetwera (wo portions of the ofern seat, all rewels of friemily
 of intorncemie eanal- in international law in not yot quitr settled, hat the tembenes rowns to be in
 internatimal whamaters se that ther may be at all fimes open to the hifm af every nation for the par-


Within its territorial limito with stato is entitled
 the persmal righto athl aivil lathe of itw riti/als, and in roverot ta all real mal peromal proputy,


 to allow it (o mhninintar it won municipal lat
withont interfereme withon it- own limits. hut allo (10) ateret an- balid and quive efled to the datinitionof private rights contained in that mmandual baw


 "ithin the juriadietion of other state 'Vhens. fur (xample, a peer of the [ "nitorl Kinglom carrio witls fina, when he quen abrond, nome of the privi
 relations- whether ho is mardeal or -ingles a deltur or a credjtor, a major or a minar-the contintatal

 Si the judenent- of the julicial iribanalo of a
 ally are surated withont puestion her tomgn -tates, prowder maly thein salidity in the montry in which they wore ponomonerl is exablisheri. such forejorn fulgment- ate hombero exeentend within the territory of the renegni-ing state only nater the authorits amd la the oreter of the mative tribunal- atud lhas the form and mamer of exat
 the exemutine -tate. With rexam to rembes, each state almininter it - own erininal Jaw- within it
 than thio, eatlo stata $\mathfrak{i}$, bumbl be the prineiple of
 natiosm, to aid whom sate- jn ahmini-toriner their criminal law and executime their criminal julig. mont. Chus thor rimht of pach state to demanil from other state the surrender of an indivilual aceu-al of havins rommitted a crime within its verritory $i$ a rioflat at emmon law: To this rule political ottinces form an exatption, inasmond as they do not bartake of the maveral elaracter attahimg to witrer crimes. The matter is gemerally rumband bs extralition treaties in which are w-ually vontained stipmations th the ebleet that no one will he -urrenlered molu-a fimi tomic evidence
 ances are given that the acen-enl will not on that orca-ion be tried for any utlenee other than the cume for which he is surmalerel. The eivil and criminal jurialietion of a stata mstente to all itshije on the highena or within its territorial wisters, and to it- juldioverwh wervwhere. W"hwn
 jert to the 'comenrrent jurimlietion' of it - own -tate and of the comatry in whom torritarial waters it lie for the time. Cim-iburable lisht was thrown upn the exart eharacter and restemt of the juriolio. tion of at -tate ower that jortion of the wa within the

 majority of the conrt helal that, as the law of Enorland stind at that time, the Fingli-h mont - had nus jurisoliction wer at riminal offonce comblated ly a forember on lmard a forvign hig which wa- on tha

 torial Wiatere Jurisuliotion fet (4t am! 11 Viet.


 - man and thing within it truitury the folloning







 conntrion are wily patially reromitoml, :and rabs.



Iramete Intornotemel Lete is that hejpatment of national law which ariots form the fiat that then are in the worli dillement territorial jusiolietions
 framoln of jumbumbere are private inilividualo. and
 Thee maturity of the relations in which hamath hoines stami to each other are in thoir mature
 which the patier helons. Thav an imbinalmal mat. frosecon real property in a state othur thant latat if his dombile, we be mas enter into a romtenet on exmeute: a texament in a cumbtry dillement fonn eithery. As in general, ench of these conntrion is moverned by a mistinct system of lans. it is
 tionlar relations fall. In the event an an ation hermming nerowary, is he to apjeal to the mmai-
 that of the place in which the properts in stimated, an tu that in which the contract was entarel into. w in whinh the testament was execntal: This Whole of the hoetrines of private intermational law anorrlingly resolve themstres into the sinolm doetrine of the localimation of such legal relations. 'Jhis braneh of law letemones no legal relationWhatever : it simply says ly what Gstem they - hall hedeteminel. It is a doetrine of jurialiction, and nothing mare. The collection of rule for thas detemming ly what sotem of monicipal law earh legal relation is governed was usmally, till recently, known as the • rontliet of laws -a tithe juatly censured as expresinas a limited and unsmim! view of this hanch of jurionmience.

Aecorliner to the famoms rule of Foelis and Thber, wheh were lons aecepted as the fundamental propreitions on which private international law was fombled, all the efteets which forejun lawcan pronlure within the territory of any nation depend absolutely on the consent of that nation, either expers on tatit. The sole fommation for the whole syotem was found in the volnotiry and re. eipocal good-will of mations (romitres gevtelme). diter heins ahandoned by the majority of eontinental juristo, the view wa- formally repuliated how the ln-titute of intemational Law at demesa in wit. The whole principle of this frameh of law is nothing more than a direet comolary from the dactrine of recosnition. The risht and daty of mutnal ennfidence involved in the foetrine of recognition imply, as we have rech, the accept ance and enforcement by the recomising sata of the definitions which the recormired state mats have impened on legal relations-and this, as a rule, ewon when the definitim- on imponed dithey from those which are applied to the same lowal relations when rxirtimg antobe its own ditens. In this ablet privalle intumatiomal law rato not umin the right of the state which romecols it, hat on that of the state to whieh it is romernole
Tha incraning interenurse letworn indivilualnot
 interesta aflowted by this hathels of las-the rula-
 as part :um barem of their lowial law. The right-













the le forite vita in ahoraplied to determine the jural capacity of the aliem popmictor, in so far as depembe on his persmal status, for example, the are at which he can ationire, alimbate, or sureed to immovalles. In seothand and in now emonemtal
 able property is regulated ly the law of the Chmicile of the owner', wis whath maters relating to tathe are exelusively cownemel. In neaty all Eumpean countries the mbe long ohtaned that the
 fireigne wh the condition of palitieal hat turalisation. In almort ald wates this rule has now been relayed: and in hitain it las heen entirely departed from nuter the Naturaliation Let of 1500 (33. 34 Vict. chap. 14, sect. 2h, which powides: 'Real and jursonal property of evary deseription may he taken, acquired, lieht. amd diomed of ly an alien in tro -ame manner in all respects as hy a natural born lititioh subjeet: and a title to real and personal proprty of every leseription may he deriven throngh, irmm, or in surcesion to an alien, in the same manner in all respete as thrond, from, or in suecesion to a natural-born Briti-h sulbect.' On the other hand, all movable and persomal property is swemed by the law of the domicile (ler domi(atii). Ihmide is detined by Westlake to be the - lesal conceltion of residence, and is mate up of vaibus "lement of birth, eitizenship, \&e. This law of the domicile also resulates all poetions rparding jersonal statns, legitimary, and suceession to movable property. If a ghestion arises ahont a contract, its validity and interpretation are atermine l ly the law of the country in which the contract was entered into (les lece cont. trentus). Tloms, if a marriage is valid the the law of the plate where it was madr, it is, semerally speaking, vatiol everywhere else. Wherever, trons the nature of the comtract itadf, or the law of the place where it is made, on the exprement intention of the partios, the contract is to le executed in another comtry, eversthime which enncorns its exceution is to be determined ley the law of that comory. lyim, all guestions as to the andmissilility and value ut evincmed or as to procedme on remedy are dotemined ly the laws in force at the fomm in which an ation is raiseld (ler fort). If a contrat mate in one comorry is attempted to he enforced in the julicial tribunals of another, all questions of presaiption are to be letermined loy the law of the state where the suit is penatiog. sueh at least was the view taken in the famons
 lar. and others arsue strongly that this is a mater Whieh ought to be alecided liy the law of the place where the eontract wis male.
liderener may abo la made to the followines articles as leminis on intematimal law

| . 1 limy. | Etemy. | Sisturaisatimo. |
| :---: | :---: | :---: |
| Ambacsithur. | Extrujation. | Senutralats: |
| Armatration. | Forvigul Enlustumat. | liaros (Triat |
| Brlamer of l'uwrr. | Furngin law. | [1\%a*3. |
| Blanekono. | fimma'a fonmentiont. |  |
| 1 'nutulatimm. | Grutius. | I'rishtras of Wial |
| fomtuct of laws. | Immigration. | ['rı: |
|  | $J$ Jrabicetiont. | [ri/a. |
| tonatratuthel. | dixiourndivar. | 大ieg" (Stat".1) |
|  | 1 : 1 \%. | Treaty. |
| 10.amata. | Mantitge. | War. |

Dinmomapas.- luhidic Intemational Law: Hogo

 Fing. (1. 1rati); 1:luntschli, Dus modern Ioknemetht (Lulit. 1s:it) and La Dorst Intermational Codeno (1aris,
 Wheaton's Ellments of Intermetionul Lum (Lama's all.
 of the haz of Jutmas (Now Sork, lstis); Dhillimorn,




1sso): Lormmer, Instituts ur the Lete of Vatmens (1nst); and the works by Westlake (IS5) and Lawrence (1890).

Private International Law: Savigny's sistom, \&c. vol. viii. (Eng trans hy William fithere, with notes and apmetines): Story's Contlict of Iaus (ncw ed. Boston, 1N:3): Westlake's Internationul Lane (new ed. Isso); liar's Iuternotional Letue (Eng. trans by C. Fi. Gillespie. 1S83); Horace Nelson, Nelected C'usen, sthtutes. und Orolers
 Lateling Cases end Opinions on futcrmtional Law ( Issi)).
Interpleader is a form of process in the English courts intended for the protaction of a defentant who elaims no interent in the sulijectmatter of a suit, while at the san+ time be has rasom to know that the plaintifrs title is dimpted ly some other clamant. In such a case the defentant may andy to a jultre, who will order the plaintitl aml the other clamant to appear and intepheal. An aplieation of this kime may now he mate in any action in the High Comrt. Siferial protection is given to sherifts, de, when mome taken in execution are clamed la a hird party.

## Interpretation. See Exefests. <br> Interpreter. See Dratomin.

Interval. in Manie, is the diflerence of fitech loetween any two misical tones. Since fitch dinems upon the viluation-irembenes, the rela. tion letween any two pitches is the numerieal ration hetween the two vibation-frequencies: ant all pairs oi tunes within which the frequencies have the atme ratios present equal intervals. The interval between any two tones, whether chosen or heard at random, is thas expresible as an arthmetical atio; lmo mosieally it is only certain intervals whieh are recognised as leing mosical intervals,
 wheh is in use. Among the Enropean nations and thuse of Enropean deceent the diatonic seale is emphend ; and this, when nomoditied ly Temprament ( $1 . x$. ), prements the ratins given immer llarmomies (9.5.). Within such a seale the varions intervals that may be foms are ( C being taken to remenent the keymote of the seale) minor secomil $\left(=\mathrm{E}-\mathrm{F}\right.$ or $\left.\mathrm{B} ;-\mathrm{C}^{\prime}\right)=16 / 15$; rrave major steumb
 $1 ゙-(i, A-B)=9 / 8$; wave minor third $(=1+F)$ $=322^{7}$; minor third $\left(=\mathrm{E}-\left(;, \mathrm{A}-\mathrm{C}^{\prime}, \mathrm{H} ;-\mathrm{D}\right)=\right.$ 6/5; major third $(=1 ;-E, F-1$, or $(;-1)=5 / 4$;
 $\left.-\mathrm{E}^{\prime}\right)=43$; achte fouth $(=\mathrm{A}-\mathrm{D})=2-20$; acnte angmented forrth $(=1=B)=453:$ yrave diminimhel lifth $\left(=1 ;-V^{\prime}\right)=6445$; Erave fifth $(=1)-1)=40 / 27$; perfect fifth $(=1 \cdot 1 ; 12-1 ;$, $\mathrm{F}-\mathrm{C}^{\prime},\left(:-\mathrm{D}^{\prime}, \mathrm{A}-\mathrm{E}^{\prime}\right)=3 / 2:$ minar sixth $\left(\mathrm{E}-\mathrm{C}^{\prime}\right.$,


 minor sevonth $\left(E-O^{\prime}, A-a^{\prime}\right)=9,5$ : seventh $\left(\mathrm{C}^{\prime}-\mathrm{B}, \mathrm{F}-\mathrm{E}^{\prime}\right)=1.5$ : retave $\left(\mathrm{C}^{\prime}-\mathrm{C}^{\prime}, \mathrm{D}\right)-1 r^{\prime}$, de. $)$ $=9 / 1$. lis taking yarions motes of the diatomie soate as startineponts, and meamriny known intervals from these, we arrive at intermediate notes of the seale, of which the following ate evamples, the viloration ration heing given with rafrence to ' ${ }^{\prime}$ :

|  | \il |
| :---: | :---: |
|  | $2.24=10$ |
|  | -2\% - 10s00 |
| 1: minar seemt lnataw | $5,64=1 \cdot 167$ |
| - | 6\% $=1 \%$ (\%) |
| 1) minder sixth atuxe | $s s^{\prime \prime}=160$ |
| B minor surtult atwn | $9 / 5=1 \cdot \mathrm{Sm}$ |
|  |  |

The dillerance ai pital betwren (' and (:\% or letween 1) and Is is irmbutly calliol a semitone, and an interval incerased or diminiolud ley a semitone is -aid to le ammonter on dimini-hed. This applies anceially to the intoral of a forrth on a lifth,

Whinh with the actave are sall to be jurfert. lnoanse any angmentation or diminution mar: their eon-onance. 'Ihe major sintly or third mat howerver le diminivad to a 'minor sixth or thimd without lestroving the con-onance : ame the term - minor" is also aprlied to the diminisleal second or - eventl. The ectave lexins a new serien, and thas the 'ninth' is the octave of the secomb, and so forth. Ern further diachasion of the musiad nomen clature, which is somewhiat unsettled, see article "Interval in (iruses Hirtionmoy of Musie amt Musiricts: and for a mumerical table of the various intermediate tone within the soale, see laniell: Promriples of Plysies, シl l ed. 111, 390-91.

Intentatey. the state of a gerem who havelied whont testing-i.e. withont leaving a will. If no will, or deed equivalm! to a will, is exwemted, or if a will executed is invalid from defect of form, then an intostacy oceurs, and the law provides an heir or next of kin, in lien of the owner himself doing so. See lleir.

Intestines. a part of the digentive system, diviled into the smallor intextine (comprising (lawdemm, jejunum, aml itemm) and the greater
 (:LT: anl for lliseaves, see Goxstipitios. Date hHEA, DISENTERY, ENTERITIS, P'ERITONITIS, \&e.

Intimidation. Nee Threst.
Intolition. The opening phrase of any plainsong melorly, sumy usually either by the officiating priest alone, or lis one or more selected choristers. The term is must commonly ilplieal to the firnt momler (crmsiting of two or three motes) of a Cremorian I'sabutme, the other members of it leeing the demimmet (o: reeiting note), the matiation, an! the ending. Its Hs+ is confinel nsually to the timt verse of the paalm on canticle, except in the case of the Ihumitmont, bomodictus, and l'mio, to give mreater solemity to whiel it recurs in each succesoive serse.

Intoning. a monern bomatar term for the utterance in musical recitative of the versiclen, resuonses,
collect s. © of the Anglican litury. This recita. tive connints mainly of a sinfle santained note, or momotone, lont may be varied by the intrometion of certain simple inflettions, which have the sanction of more or les- brevalent cu-tom wr tradition. Of these a full acoount may be fomm in varion-choral
 tury of I'uinsong, Donan and Thompun's Fitued Musie of the Altuer (botls pmblinhel by Novello), and in Xotes on Ceremonuid (I'iekerinus).
such masical recitative in bocal prayer is undonbtenlly very ancient, and its anplisment in Christian worshipia, in fact, an inheritance from the Synam"nes, where it may he heard still. It olotains equally amone Dohammedians, Americem lndians, sonth iea Plamders, and the areat majurity uf larbaron nations, amp wonkl seem to be the ontcome of an instinctive emeliner liat the familiarity of sur collorqual tones of vinice is ont of keeping with the reverence that betit- bmman intereomras with leity. Whatever may he aid for or apainst the bractice elsewhere, thore can lne no donht that in onr cathedrals amb larem samen builaline- an andible ueterance would without it be far lema eanily attaimahle.

Intovicintion. This term is applied to the condition lotourht about ley an overolone of alcohol. The nompoms impuced way a goonl leal acoorliner to the rapility with whin li the alcohol iv dunk and ahoorber! into the blowl, and alse, accordine to the form-sirits, wines, or herer-in whichitivtaken. If they are swallowed rap billy in larew quathtition the symptoms atr: thone of a narentic primon. See


Intoxieation, or trumkenmes, in, in print of law, no escuse for ans wrong dome by tho drumben biety. Crimes which are committed in a state of drunkennes are punishahb in thas -anne wat itm if the actor were solver, thomh it i- diseretionary in the court to mitigate the sentence. A eontract made when the parties, or either of them, are in a state of complete incalarity from intoxication mily lee male void. So it is when one of the parties is intoxicated, and a sober permon inluces hiv convent by frand. Thus, if goorls are solid to a leeron to drunk that he does not know what he is chinis, the purehatse may lee repudiated as som an the Trumbs man leconnex solver. C'nless he duensommediately on coming to his senses, however, the contract will stanl. The drunk man, in shme, may fither refullate or enfore the hargain when he comes to his renses. The mere act or state of drunkennes, when privately imbulged in, is not an oldence against the finw: bint if it he shown in public it mas become so. Every persun fonnt drunk in a hithway or public place, or in a licensed honst, is liable to a prenalty of ten shillings : and on a second otlence within twelve montlis, to twenty shillines, and on it third oftence within twelve months, to furts shilliness. To be drunk and riotons, or be trunk while in charge of a lorse or carriage, or of a irnn, is punishable with a tine of twenty shillinge, or imprisonment fur one month. local acts alan often inpose other penalties. In heothand several ancient statutes were passed aceanst drunkenness. which, however, are in lesuetule. In many loeal pulice acts a prenaly is inposed on drumhennes- in the stremets.

Intransigeants, or INTRANsIGENTEs (Irre concilables), a name sometimes given to the extrme political parties oprosed to the exinting government in ltaly, spain, and Vrance; an, for instance, the revolutionary communi-ts in Spain in $15-3$. For the emmection of these last with the anarchintic barty, see lnternational.

## Intrenelninents. See Extmencinments.

Introdnction (Ital. introtuzion ), in Mnsic, is a kimi of preface or melnde to a following move ment. loomerly the intrealnction was omly to lee fomml in large minsical work-, such as symphonies. overtures, oratorios, $\mathbb{d e}$ : liut now it is found in every romes, fantasia, julonaine, waltz, Sc., on the principle that it $i$ considered ahrupt to begin all at once, without preparing the andience for what is to come. In earlier operas intronhetion is applien to the liece of munic with which they begin, and which immerliately follows the on ertare. In some caves the oyerture and intrombetion are uniter, the compusition goring on withont any formal panse, as in (ilucks $I_{p}$ hige win cu Touride, Mozart": Itlomeneo aml Iron (rioímoni. Werturethomselves are frequently commenced ly an intro. lluction, ax in Breethosen's Eymont wnil Lommin, Nos. 2 amd 3, and Weher"s Frpischut: and ohoron overtures. The majority of Wayner"s opera commence with an introbluetion (Ionapiel or Eimlit.
 and thimb acts. The intrenhetions are also import.
 phonice of leeethoven amblschumann.

Introit. in the lioman Catholic Church, an anthem whng at the beginning of the mass, immediately after the (fonftome, and when the priest han a-cended to the alram. It consists of an antiphom. Cimria l'atri, and usually past of a paabm: but other bamatom of suripure are neet, while a fow int wits- in the prement . Wi-al are taken fronn ninn


 (42:3). In the tirst pratyerbook of bluard V"l.
 cammannion allice．

Intronimisians．in seotely law，is the assump firm ai antlomity to real with anothers pros．
 intromisonn is where tho pirty is expresty or implicaly suthorived，either hy jumement or Jretl．tis interfere a lay drawing the rents or gettines in hesto．Vicims intmmionom is where an heir or next of lin，withme any anthority，inter－ fere with a dectiverl prems entate：as．for ＂xample，whele a ferwom not mamed by a will，or withont the anthonity of any will，collects tlow projuerty of the drecaned person as if he were sembarly apminter．liy so cloing the vicion－ intomitter inmors the reomsibility of pryine all the dobte of the deceracen．The vitionty，howerer， may he taken ofll her the intromiter beiner rembarly ＂onimmed exemtor．The eorre－pmoling phrase in Fngland tu a viciom intromitter is an execentor di sum tort．

Inthition．See Cumbon sexse，I Phiolit，

 term applen to the partial divplavement of the lowel in which one portion of it piteses into the portom immediately adjacent to it，just as one part of the finger of a plove is sometinces pullen into an adjacent part in the aut of withlrawingr the hand．In this case the contained protion of intertine $i-$ liahle to he niphed and stramernated hy the purtion which contains it，sund ill thes fanger of Iternia（4．5．）rennltm，with fiar lems chance of ancees－finl interference on the part of thes

 im chiblem，lat lem common in whalts．The ed
 lines to a foor ar more．Evon when intammation is－et uj，the athection，aithumerh in the haghert degrete jeribons，is not of necosoity fatal．Thes invitsinated purtion mortities and songhs．while athenion in establinherl betwerell the peritameal －britero of the mbars and bower jortions at their place of junction，so that the contimaty of the then i－puraerval，althomerh a laren jurtion maty lie dentroyml．If the pationt is otmoner enomis to bear the slock of the inllammation，wanereme， somerhing，Ne，il complete reoovery may emane， thongh－ 1 an a torminatiom is ram．In the early stani the mommal complion maty often he restored by＂latee enomata of air or water．（of late shme suceros lat athomed＂pration wherg simple


Innlin．a vegetable princijle，ismmerie with starelo，lerivel from Elecampane（f．v．）．

Invalides．Hirris bes，see lonlas．
Huralidiner sismifies the retum bome，of to it more laealtly climate，of solliers on sailors wha

 mand invalided recturn to lis slaty if hiv hatall in －utberintly restored to pustify the step，otherwiee


## Invention．sue litrist．

Invantions and Disornveries．The fotlow．
 impurtant inventions and lisemerims，chiolly subl




 （ligens（nlow ell．Iちラい）．






Dicrosedpe，by Hana amb Zatharias Jamssen，or Zansz of Bidhalmies，ahmert 15：0．
Curnhtion of the Bhool，ly Haryey，in 1616


 ley Farally．
Law of Gravitation，ly Newem，lose


Thek，usiol in Europe in the 11th antury：Chromonter，by Ahal llarriant， 176
finmmojemy，by Hargrenves，in 1／67．


 wall．
Gacchation，by Jomber，in lism．
Stembenat proved practically wedul，by Fulton on the Hhdson， $1=07$.

Hmet＇s satety－7mp，ly 1 bavy，in 1816 ．

 Cinke 1－34－3＇（nee Teleneara）
femay Poatige，hy sir liwhland till， $1 \leq 10$ ．
－wing－1ヵactame，by Elia－Low＂， 1841 ．


plectrum Anslysis，hy kirchhof ant Bunswn， 1 sto．
TH2
Themorraph，by Elliand it 1509 ．

 Moninm（1sth）．

Invenfory，in England a list of a deceanal
 abo usel in reference to tha property of an infant， pilpil，or minor whose eate i －umber the care of a suarlian，tutor，curator，or judieial factor，In keot－ lame it is aloo u－ed in commeetion with ale varions plealings ant deeds and docmanents problurat or llaed in at suit or atetion．then called and inventory of promess．su as to an inventory of tilles－i．e．the titlo of an estate soma to a phirehtaser．

Inverallaly，the monty town of Areblhime，is bieturesplely seated on the morla－west share of Lard Fyme， 16 miles ssiv．bi Jitmatly stition， and to SNU．wi Gremock（vid Lanh Eck）．lie－

 the memory of saventeen（immothells．exemoted liere withont trial in lesis for their shate in Aroyll＇s expedition．Inveraray Casth，the wat of the
 royal burgh sime l6ts，Inveramey with Ayr，de． retums a member to parlianment．Iob，（1stl） 1233；（1591）－43．

Invereareill．a town in the province of otago， Sew Zealaml，rapital ai the rmant of Somthlamd， stands on an estary valled the New liver Wia－ four， 139 miles ly mil siW，uf Immedin．It is regrularly built，witlo line wile streets，sats，and steam trams，amd is manamally well provilual with publie parks．bajden the govermatent balding and shomb atme elmreles．it imserses ：an excellent athenarimi ami a hoppital．There are abme thirty
 steam flomboills，hrweries，imblmamfactures of boots，heacom，rambials，dre．There are extensive
 and mond sumthand mutton is now sent for bini－ limal：wher＂xport tran lavercamill are wonl．





 milen Vỉ．uf F゙omt W゙illiam，near which ou
 ronterl hi rival．Ar－All．
 anm capital of the northern lljehlamde．stamets on


 Pertlo，antl 100 NXV．of Edinhmerl．Its womberl envirom，hemmed in lev hill，（Tommahmrich，as：


 ly Maleolm f＇anmom mate the seat of at rosal
 ha－a wealtl of memomies．It wat garriomed by the Engri－l in le？！ of the I－le on hi－way（o）Harlaw：and ligrues re－ peatedly in the hivtory of the sthart－．Clown to their tinal overthow at（＂nlloman，hard by：In front of the scotu－Flemish town－hall（1sw2），fro－ teeted now hy a fommain，is the chach－na－Codain， or＂stonu＂of the tuls，tha＂pallithem of the burgh． The Fifiscopral eathedra）（1whif）of the united liocese of Morats，hoson，and rathmen is a tine Decorated edibees ：ind other feateres of the phace are the conmty hall（lab）on the site of the talstle，the infimary（1s（4），that hatia asyhmm（1s60），the royal ：čalemy（15：n2），the barracks（1sst），the main－ubumsun hrible（ 8,05 ），and the l－lands，a faborrite promenale．Halting．threat－making，and heaching have siven pliwe to woullen manufac－ ture，hifhuillimg．di－tillinц．dr．，with considerable shibyiner and commerce，the harhour having heen much improsel in 1－1\％．Tla＊wreat wool fair （eatablished in 1sti）is hedd in huly：and the Sorthern Meeting（l－xs）in september．A rosal hurwh ince alout lobj，Inverness mites with Furre，Furtrose，and Saim 20 juthm ，me member
 （1s！31）29，4．5，of whon（bints were dibelic－opeaking though Inveruess still is filumato ats in lefoe stand 1）Julnoon s day，for the gnity of its English． see two hooks h Frawa Mitckintom（1565－7．j），
 and ．Menorubilire of lneerness（IWa）．

Invernems－shire．a llighbuml commty，the largent in Sotlanl，and larmel than any in Engramd but lork－hire，stretelece from－at to mat，and has a


 amb thirtyseven other inhabitend i－lamis．The
 interarotell NE．and sW．hy the direat dilen and tho（alerlomian Canal（f．v．）．It inchube batemoch， fiburose and the valley of the spery on the eatel；
 and Doidart on the wert；Stratherlas on the nortli； Filenuryuhart and ifemmorimon towarels the centre： It is traly a＂land of the monntain anm the tlomb， for it contatins Dien Sisju（ 4416 fout），the hizhest pint in lifitain，with twanty－ix other summits


 Nobsar，Lazegiout，and Ericht．The weot chast is

 erranite．lerplyyry，and trap：：and tho mont fartile Gesil in the rounty real－on the red－ithelone in the valley of that dird，and hetworn the commty town






lumands．The river－and lakes allomd－ldemind




 io parliamont．Invernes is its my town of ans sice：Kimgrane and Fort Willam．thomgh pulice haphos，are mere villares，as alson are babaly，Fort




 CiLEXBOY，：HAl FUSERS．

Invernion，in Jusie，is of three kimls．（I）uf a chond．When any other of its eompunent note than the reot is flatert lowest（see Hablows）．（o）dif an interval（within the owtabe），when the lower
 Tu lind what an interval liecomen hy inversion， smhtract the lignce lenoting it from the lignmenine： thus，a secom！invented liecomes a seventh，at thimi becomes a＊ivth．de．ln this chande major in－ tervalk beconar minur，anomented intervals liseome dimininhenl，and cier mersei．（3）Wf a mhoject or theme，when it is initated in contrary motion－i．e． the melnis fromesses ly the same interval an the oriminal thime，but ascends or demeemels alway in a contrary direction．Thi－is a frequent device in fugues and wher contrajumtal music．

Invertelratar．a collowtive title for those animals whifh asree in not oxhilhtime the chatr－ anteristion of bertehratos－viz a slorsal merve cosd，a domal median supporting axis or motor chord，resuinatury cleftsom the pharyon，a ventral heart，and eges ariving for the mon but at ont－ growths of the hrain．but the disibing line is no longer mo chan an it once neemed．for not only are tredians on Tunicata recomised as degenerate Yartehrate or＇homate animals，hat several woma＇
 Vertebrates in sume of thoir chamaters．while
 on mear the lommary line that they we usually －alled llemi－chomatai or half Vertelaram．

Invertelate animals are first divideal into（1） Irotozoa－mmi－celhalar－and（2）Metazoa multi－ collalis．The latter then fall into two dintinet
 （Gublenteratex－and（ $b$ ）with mone or lem of a innly－
 fish， $\mathbb{A}$（withont includiner Vortelater），the Ebhinomems，the drthroporis（rustaceans，In－ sects，心e．），atml the Jolluses（hivalows，smalls． entla．lisht，and timally a great tuoh of＊womes， divi－ible into many clasese－Flat－Worns．Smatr

 articles．
 the intux of the l rice to the Jom，la mile SV ，of Aherdeen．With kilpin，de it retmras ome momlar

 tory，means the ate of eriving compatal pancosion of a manor，oflie．or hemefore，aceombatiod by at certain reremonial，steh an the delivery uit at hrameh，a banmar，or an instrmbemt of oflate．
 atothority which it in anflomed to ember．The
 terwowerl with the whate rantra of madiaval
 －o maineras that it atheotern reven the lamal held ly
 wirene $1 f$ the＂achomistical whee which they held，
 an bromans loy the very fact fembatory the the suzerain of these lamos and the sumpanio thonght thembelves entitled to elain, in reference to theme personaters. the sante rights whim they enjoyed oser the other fembatories of theirnomains. Anons these righte was that of granting molem invent ture. Suw, in the eave bit lishom, ablots, amel other chnoch dionitaries the formof insentiture com sistem in the delivery of a pastoral statl or erosier, and the placing a ring nonn the tinger: and as these hatips of otlice were emblematio-the one of the spiritual care of sonls. the other of the espousals, as it were, latween the pastor and his elmreh or monasitery - the at-nmption of this right hy the lay suzerams lecame a sulbect of constant and ancry rompliant on the part of the ehareli. On the part of the sumemins it was replied that they did not (raim to grant bey this rite the spiritual powers of the ullice, their function being solely to grant posses shon of its temporalitien. But the church party nreme that the ceremonial in itself involved the granting of phitual powers; insmmeln that, in maler to prevent the clergy from electing to a see whan satur, it was the practice of the emperors to take posexemion of the crosjer and ring, until it shomlil he their wwn pleasure to grant insestiture to their tavonrites. The diwfonom in which the practice hal homer leen helid fonmal its most energetic expre-aion in the person of aregry VII., who havins, in the year 1074, enacted most stringent meanimes for the rejression of simony, proceeded, in $10 \%$, to comlemm, umler excommanication, the practice of investiture, ats almost necessarily connected with simony, or leading to it. bint a bure of the same century, [rban Il., wont further, ant (109.5) absolntely and enticely forbade not alone lay inventiture, hut the taking of an oath of fealty to a lay -nzerain ley an ecolesiantic. In the loth
 the poinewions and royaltien of the ehmech on comblition of the empreror ( lienry V.) giving uphis chann to inventiture. This treaty, however, never hat any practical eflict; nor was the contest limally auljusted until the celebrated concodat of Worms in 1120 , in Whish the amperon arreed to give ujs the form of inve-titure aith the rimy come pmstoral staff, to armant to the clergy the riglit of free elections, aml to restore all the possessions of the Church of liome which hat heen seized either he himself or hy his father ; while the boper on his part, comented that the elections shomld he helal in the preance of the emperm or his otlicial, hat with a right of apposal to the furorimelal symor ; that invertiture might le given bev the emperor, hat only big the tomik of the sreptet $:$ and that the lishopis and wther elourch dignitaries shomlal faithfully hincharge all the fembal dhtirs which berbiged to their principality. See


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 such at tha mabl, the brates, mates sulpmosid,
 wharl (bat really a close epiral) atmand the erouls of pendices. This is the involucre. In emmpomil monlols the whorl of hacts of the seconilary umbel in tharefort a secombary involarye, amb is commonly

 tulam, whish the mon-hotimist mistakes for acalys. is combtantly termed the inwolnere, but no less inaciorately, since lare thar true bracts are thase of the separati- |lonots, anl orour un the surface of the

 from thase fatuon of the atsic holow the cayitalnin Which remain grax atml beretative sime leariner

Ino tlorets in their axils, In heabions ('t. b ) the true bract of each thoret in the capitulnm buites ats a sheath armume the ovary, and is also known as the inwolucel. Here, agatin, we have a regret table use of terms, themselves hardly necescary, in two distinct senses.

Involnte. See Evolvte.
Involntion and Evolntion are two operations thez conserse of eachother. 'The oliject of the lins is to raise a number to any power, which is eilecterl by continnonsly multiplying the momber ly itself till the number of factore is equal to the number designating the power. Thas, 2 raised to the thiret power is $2 \times 2 \times 2$ or $8: 7$ raisal tur the fousth power is $7 \times 7 \times 7 \times 7$, or 2401, dr. Evolıtion, on the other hamd, is the extraction of a root of any number-that is, it is a method for diacoserinc whot number, when raised to a certain power, will give a certain known momber. Thus, the square root of 64 is 8 -that is, $s$ is the nmmer which, raisel to the seennd power, will rive $64 ; 3$ is the fourth ront of $\delta$ - that $i s, \dot{3}$ raised to the fometh power is 81; and so on. The symbls expressive of the two querations are as follow: $5^{3}$ means that 5 is to le rained to the third power $;\left(7^{2}\right)^{5}$ means that the square or second power of 7 is to be raised to the tifth power : $\sqrt{9}$ or $\sqrt[2]{9}$ or $9 \frac{1}{2}$ signilies that the extraction of the seconl or square root of 9 is required : $\sqrt[1]{256}$ or $256{ }^{2}$, that the fonth root of 250 is to be extracted; and so on. lovolution and evolution. like multiplication and division, or ditlerentiation and integration, difler in the extent of their application: the former, or direct operation, can alway he completed, while there are numberless casem in which the latter fails to express the result with protect acenacy.

Io, the danghter of Inachns, ling of Argos, was belosed ly Zelss, and, transformel throngh iear of Hera's jealonsy into a cow, hat many wanderings. see Al:ats.

Iodine (symm. 1, equiv. 127) is one of that fons non-metallic elements. It was disobmerl in lsll, ly Conrtons, in the waste liguors prombere in the nimufacture of carbonate of sula from the ashes of seaweeds. A few years later Gay-lassate lisonvered that it was a simple elementary lonly. While it is still obtained from the half.fnsed ash of dried saweeds, which is known in lititain :ts Kely (1.以.), it is much nome largely prepared in sonth America from the iodato of solimm, whiclo is fomm assuciated with nitrate of solimm in the native ('hili saltuetre.

In small quantity, and usually in combination with sodimm, magrasiom, or valeinum, ionline is sery widely ditlinsed wer the earth:s mulface. It exists in sea-water, in marime animals amb plants, and in certain mineral springs. It is alsan fonmel in several minerals, as, for example, in mertain llexi can silver ores, in silesian zinc orns, in phosplorite from lle 1 prer l'alatiates, und in eonal.

At ordinary temperatures it usually ocems in solid, sark-eray, glisteming seales: it is, howevor, erystallisable, and somotimen appears as an betaheilron with a rlombia lsas'. It js soft, ant ablaits readily of trituratiom, has the high speeitio gravity of 4.95 , and evolves al pechliar and disatgreenthle ondour, which indicatosite erreat volatility. It fuses at $225^{\circ}\left(10^{-5}(\%)\right.$, and at about $30.6^{\circ}\left(170^{\circ} \mathrm{C}^{\circ}\right.$.) it buils, and is equmerted into the prophla vapore to which it owes it= name (Gr. Minles, 'violet-likr') ; it has an arril taste, and commonicates a brownisla. vallow colonr to the shin. It is very slighty colnhle in wator, lnt dissolses realily in watery colutions of intind of putassimm and of heveriodic atoid, and in aleolnol and ether. luline vipurar is the leaviest of known vapours, its specilic gravity




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Ians. the emmpunents into which an electrolyte is hruken mp on blectrolys. The one, the Anion (the elpetm-moratisa component-e.r. elilorine), travels "atainst the eurrent (in its eonvontional direption in the eirenit), anni is lrpmited mon chemieally attack - the anome al pasitive electrone: the whers, the tation (the elentro-positive coma-Fwnent-e, colpert, travels - with' the cmrrent to the cathone-e.e. to the -ponn- in the platinge bath. See ElfrricuTr, Vol. 11. .1. :T0.

## Iotil. See I.

I (I. a memburandum of delet wiven ly at hormwer to a lember, so calles] irom lemig made in this abbreviated form:

Losides, lat Jemutry 18:

## I O C Twenty Pount

To Mr C. I.

1. B.

It is a emmenipnt locmmont. liperame it gequires no
 ence of the dolt, in caat an atetion is afterwaris bromotht. If, however, the 1 ol cmatain any promine to pray the metht. then it will amommt to a pomimery-notr, and life vill molion it have a stanlo. It shablil he bolograph, inateal, amb at-
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 and prombotivame all the lamd lemer tillathe exrejt a few romby hatis hear the larer rivers. Stathral forent cower the shome that intomber hetwern the rivers athe the high lands, and sine tha cesation of the seotmetive pration limen the arear af wombland has bern teadily inctabing. Jowa has alon "xtemise and valnable mineral deposits, as conl. latal, cry and mineral gainta. 'l'lee eosal. whielt iv hitmminomes



 are haviguble. 'To luth of these are tributary a number of inlame rivers, than of the Mixa-ipyi syam llowine in a south-easterly, amd thos of the Xissumi syom in anmollewenterly direction. 'The lyper lowa, Turker, Mapmoketi, Wapmpiniom, Inwa (with its large attment the ('phar). Shamk, and Des Mnines rivers are the principal tributatios of the Missiscipli. The rivers of the Miworn system are the hior Simox. liock, Floyd's. Little
 seweal shall lakes in the mothem purtion of the state, sitnated primipally near the ereat watelwhets.
Jowa is preeminently an agricultural stato. "The nature of tha surface biflers expellent farilitie for the une of ayricultmal marhiners, amb makes fambing attractive and pobtables. Noarly two-thirds of lhe $3 t$ millim ames of tillahe lamd am mow moler coltivation, pronncing anmatly 300 million hashels of maice 30 million lanclek of wheat. An million
 million bmats of tlas, 1 million ha-hel- of inck. wheat, half a million hatielu of rae fo million toms of lay, $\because$ million ablions of sirchmmstrop, 10

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 Areluleacmi- Ilaw 1t: 1 and Whery datmay
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 and Mr Toule mane their dehot. The churehe
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than. On the west two are the inlant of ham.
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 (:31lf feet), leing the lofteen in all beplani. The central partor the intam are ghite that, ant com-

 of the entire area. The larget is the bur of Allon. whill stretille wer it lawe partion af
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 forl. Limenmmon, and other combion and wive a pecoliaty Areary ant dembate abure to the -rmery: Sotwithatandie the ghantity of water in thene hax, they exhate muman ingurions to health, ming to the large gantity of tamin which they cuntain.

Hy monempley-The brineipal niver of leelant, and the larant in the lonited linmom, is the Shamen (a. $\%$. The strems which drain the eatern part of the central plan are the Lifliey and bayne: the sonth-a-tem part. the smir. Show, and lome while the water of the nurth-
 ly the Bhakwater, amb are thence discharged
 "The river extemal to the ©roat central filain are nere-arily shrt. "Ihe bincipal are the Ene thowing th the moth-wm: the Firyte sumb bann, tu the nortla: the Latan, to the nurtheatat: the Slanes, the the matherant : and the bindom, Lee, and Diackwater, the the eant, though the comuty of cork. Aone of thase biser are of band int

 tho larger stroans ly the aid of emals, lueke, de. Artibefal rivers eatats combert some of the more
 hat waterommmmination with the shamon ho me:ans of the (irand 16.2 milen and lioval ( 76 ) (abitho. and Lomplath with the simbe river


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 vonth the highande of kiery amb Conh, with Kinncimeahlown, de: in the west thme af laty.
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 of the mathewent llighlando of sembland. The

 where it attaine a thicknes of 14,040 fort at lant. The stata arre pun the whole unfosilifermo, hat momern- - mface-makings have beon derected. chietly wombtrack: de. In many plare thas robli- have heen much metamophoed. Thon an the llowth rame they are Bmenented lay ghatzrocke and rhinte while in Wexmal they pare inta sueis. Similary in Galway orer consiberable thate the Cambian reems is le representes los
 bo of hoblan aqe. Tlow silurian orntem i- like wiow well developed in the wam-lath lower and uper divisum lemg prent. Thimatem, like the ('ambian, mens chiedly in the hillier parto of

 bonts of the altered Lowior Siluian statat of the

 are werlail macommatily by maltered IM,
 Foxil new here and there in the leon altured




 Which they reat. It may lue aldeal that esmome




 Lanth Lamoresimian trata are likemion wall

 action.
 known in helami, latt (he lamantine of old hat






 fama. Tho



 reralls that of the elld lide sambeme of contrad Scostamil. The aries panses mp canfommaly, inta the tarluniferons sutcoll.



 latter is ementially the formation of the plains.

 great central phate, the major protion of which
 Coulmoiformon strata. The hanement heds of the shatem in the somth of the islame emasist eladty of mavile grith amb sates, whidl pass down conformally into the liller ohd liend sandstume. In the centor and moth this lower disision is representerl
 earthy limesomm, which apport to be the equiva.
 therlyine thes hammont leals emmes the aroat
 Which wedpes most of the eentral plata, extraling
 the hase of the ] bonespal Dhantatine to thee Fome of the Killamey Jronntans in the somth. In lomberal the limentone rines into a tableland which wer



 west ( Limeriok and 'Viprerary). In the somth and
 sedimentary depomits whish are loeliesed tor he on the same remertl pallogital larifan as the - Vemedale heds’ amd 'Ilillatome grit of Eneland.
 series, the lower portion of whinh is sulproad ta repmonent the 'inmmister berds" ar laser abal
 represtats the midille andmeanmes bif the stmo


 perans, kilkemay, and carlom-all the conal al the somili if lrelamil leimg anthratit.

 where they atperar to alle their prespriation in
 form the light prommd of Antrim. I'rmimen atiata
 Permian atm the onal!ing Magnesith limestant.


 Amand and in Tymo.





 - Khartia fomsil.










tha moth of lewimml. They maty at whe time lave

 in thes sumtle east.

 their are is Antermined by the mectrance of
 that the series belongs to the olizmene system. Jany of the hatialts ale beamtibully culammar
 have leen the problucts of great fixwereruptions for
 of jashated voleanie tori have been detmeted. The
 traversed in all directions lay hasalt dyes.

Alomge the somthern shores of langh Nemgh fershWater elays nerur, the fusaits in whinh are of Phomene age, so that this hiwh dabe is pubably the oldent sheet of fresh water in the liritish Islambs.

Iredmal, like the sister islamb, almombs with evj. denee uf the Ghumiol pertiod. 'The whale romitiv has lued luritel maler it grat mer ele aluere, whels
 The lattom-moratms (lwulderelay) of this ice-

 - Hatified deposits of nitaine origin (nee I'LEES-







 clay fon makine almominum, dir.


 shrew, watr- Shew, wator-vole, the twa hambales,
 whly the lohe hate is intigetums.
chumbt. - The climate resembles that uf liri.

 tho more dimet inthenere of the finlf sideatm. Ther mean ammal temprature for the thitty four







 momb and fors at l'amonatomn in the interion. Thas in winter the titlenomere of teman matare of



 latimules. 'Ther mean :mman rainfall fors the
 imbles at bribla fos su for imelen al kylenorer. in






 mer digent latatn. Thar samball in winter is





momatann-maties are in the west amal lie fiom moth $t 0$ comtlif comequently oser tlar whole eatern - lope of the i -amal the chmate is drier. the amomot and frembemove of the rambiall mom leas, and the sumshine motre brilliant than in the west. In Irelamd, on the other hanm, the lithe in the west do not ofprowe sted a continuons harried to the omward progeres of the somth-we-t winds. bat are mone broken upand distrilnoted in imbated groups. Comsequently thas sky is more chombed, and bain falls more feymently and more onverally oser the whole of Irelaml than Great linitain, and the elimate is thas remlered more remial and fonteriner to remetation: hence the ajpmomiatenes of the name 'Emenald lale. Jeath, owing to its preater di-tance from the fomtiment, the east whime of gimg are las eserely felt in lrelame, leetalma they hate anduited warmoth amb monature in their jugges wrowabl wer direat Bhitam

 of 4 ! , whith is about $2 \cdot 5$ hagher thitn at lover on theramat of Kent.

Adrunlturt.-I Down to alont the minhlle of the lsth century Iredand wats ahmont exclusively a pastomal chontre. let the soil is in many prats eminently aulatere ta tillige. The chief roisoms of
 bihitive ame mondable herination. the extreme smallnes of the whenter mmmber of lumdings, the lach wi caprat, ami the umatinfictory relations of himilanal am tenant. D- a rule large farma were lot ion extremely long ferions of tenianey, amot the temants sublet their firm in smaller portions, stantimes two or three times orer ; emmeduently the lambloms seldma monted haidiams, repaired farm-tedis, or made pemminmet imporements. In 1s.9 90 the lintren anmmint the poorer seetions

 Latw (lueland) Aet wian bianel. Its principal mbisures were lesimned to pontect the tenant from pabing more than at far romt, and to poovide for loan- being manle to temants to enable them to
 terms. Ta illmathe the smallness of the holilimes in intl: there were in that vorar 300,436 hookinges
 $5 \mathrm{~L}, \mathrm{~B}$ acco: lut anly $7!1,3+2$ from 15 to 30 acres,
 juinal table will show the rate at whisll the smatl holdinge have drereaned in manler and the larmer holding- lave indeased :

| 1 | 1 tusactea. | ta) 15.5 | 15 tural meres. | Als |
| :---: | :---: | :---: | :---: | :---: |
| 1sil | 7, 409 | 1:1,3ヶ.3 | 13-4,47 | 15:1,303 |
| 1-01 | 1i7.0.1 | 1.4.045 | 1:15, 5143 | 1.4.4.4 4 |
| 1-45 | © 1,510 | 14.4.41 | 133.74, | $171.24 \%$ |







 late been as steaty but viry motiopable fothrn to a prolominance of pathare, is will he apparent from the valation of aterage than in in the iollowimer tillar:

| (1.+5 | * |  |  | F! |
| :---: | :---: | :---: | :---: | :---: |
| 1at" | $\because, 21045$ | 1,46\%, 20\% |  |  |
| 1-1 | 1.7il.aĭ |  | 1.15 if.en, | 1 CH |
| 1-3! |  | 1,21:1, 313 |  | 11: |

Oats, batley, aml what, in the ember malumb, are





oreupied $1,041,902$ aeron ; in $1879,842,671$ : and in

 the coveret with womb. Joming the lant fifty years a rehatively large area hat heten reclaimed and comverted into eothivahla soil: in latl the
 atres ; in Issy the sime eithomy inelnded $4,935,649$ atere. The next tahlesmon dhe fluctmations in the number of lise-stock at intemals of ten years:

| bear. | Hubseq. Mules, : ind A ses. | Cratele. | Sluedr | Pigy. |
| :---: | :---: | :---: | :---: | :---: |
| 1509 | 719.421 | 3,73:405 | 4.651 .105 | 1,0ヶ2, 20 4 |
| 159 | 785.025 | $4.18{ }^{16}$, 1494 | $4.017,-49$ | 1, (17 $1.514 \%$ |
| $1-59$ | 910,042 | $4,093.044$ | 3.750400 | 1,830,54 |

In 189.5 there were $1,439,0 \pi \%$ inges in corn eropre.

Fisherios. - The seas aromml ite eobato of Irelamed teent with lish: bat from bations ratmom. flitely perlitpothe di-tance of the mont prombetion tinhing cromads iom the eentie of pepmbition, the fi-leries are not in a dominhingerombition. Latwe quantities of emred lish sitits tom in lsis) are eren imponted from seotlami. In 1800 the the Irish fi-herien were
 whoreas forty year lafore 100,1600 men ambloss were engared in thin calling on orothoo hats. Thie


 to tha value of $\mathfrak{E l 5} \boldsymbol{5}$. 1 bis, mackorel to the vilue of
 th-hing is that for salmon, in whelo abmat 13,1 on men are employed. 'The total ratue of salmon

 159.7 was fore,000, not includins vilmon.

Monnfortures. - lrelambis not and nevar lias bearn a mandioturing eountry. Its masetfled state and the gemetal depondence of the prpmation on astieulture bave hitherta bern obstacles to the formation of \& teat manofactmane ertablishments, exrept in the mortherast, in tiluter. The staple

 commeded by the Jomke of Mimonde (1661-64). In

 in 1557 the firmases were reppectively 803,026 and 24,300. The ehief wath of the imhostry are belfast and other towns in Clater. In lasentinly lobite tlas-sentrhing mills were employed. Tlee matmfite. the of woollen, silk, and eotton stulk and of piper is also comided on, but omly to a eompratively inconsiderable extent. In tha lith eentury the woollon mompizetures of Jreland wore in a mont flomixhinge comdition, porlucing principally fiters




 than lifty factorien in lshl. 'Tlors silk mannfore






 arricultural pandur" emmitutes the bulk of the







 kept. exeept for live amimat amb fi=l. (1f there
 31.61: ham were experted th (ireat britain in




 athl than veock engand in the forem and colonial trale that rateriol at tribl furt- in lant

 Great Britain that cotemen in the silme rear

 with fomion chumber and the entmies in losk
 maly lof (fiath tmon). In the year 1s!4-95 the




 in the imperial parliament hy ex pereren mected for lite in the Home of Lorts and whember in the Honse of Commons. The executive is
 chaf-secretary and athy-enncil (apminted hy the crown). The law i- admini-tered by a bum Chatheelon, a matar of the linls, aml the oflar

 fome divions, and the Court of Appal. Desiden there, there are three comminionern or findere who provin. wro the procellins- "i the irivh Land Comminim, fommed in last fire the promase of
 bivern landoms and trinats. The Latuded
 fumed a hatme of the Chamery bivian of the Hioh Court of dutice. For the comaty :ulminis tration, sen Corsty, The lomelay and sani-
 Loxal Governmont bard for lredani. In lssia total of 521.532 bermin were in receipt of fomo reliof. $1: 3,-5$ getting onthor relith and the rematimes 3 к.


 Contalnaty. at Imily of amod police. immber.



 pint in force by the prochation of ally ditriat.














 hmma in the Clmeh of heliant, and is perndent





 -ame satr. The relative mumber of limam

 - tatement for the ara 18 s 1 :


 of Natimal Elumation. These schooh- hatre sime

 gibl inetraction, with in fict perfert freedom in all matter- ippertainime to redinim. In lsel there
 puril: : in lsss the munhers wore slom sehom anol

 Thay are partly umina pratertant, partly umder Ibman Catholic teachess and party moler teachers of luth cheal- in the satme selani, ame are to a largo extent amported by a pabliamentary sramt
 from the fomer cmboment of the frish established chmell, wam act abat for the encomagement of sombur intomediate edncation. The fund is alministered hy a hard of nine commismoners, who rondnet ramimatom, bay fees acording to

 papila whe premed thomselve for examination 3 and parmen. The mont impurtant miversity in freland is that of hablin (e.r.) or Trinity Colame.
 lan anty an examinime lonly. like the univensty of

 imenertin of religimis conforon. The ihen Qument collegen of belfint, fork, and balway, prened in Inta and formety atliliated on the Qumen- Cniversity, provide intruetion in tho higher inamele- of leanime They wrer attomed

 was fomben for the burpme of wiving intration in









 jumade: For ley the frymont of the sam of


 dery, wore in lsat 'mpmered tagran theolngial

 with gath jupaio, beine lioman tatholic. and 11 ,



 thair mark.







inuprial taxation. The national delt of tectami (alumt lian millim-) was comsoliflated with that of timat britain in 1 sio. and since that late the former has hat no separate ifelt. The grand jory
 highway rate oi Enctand aml Walera and is ex
 of juatice police pablic chatitos, combty ollicers.



 logt the eapital anomat in the latur bank- was

Cimmmitortion.-The fir-t railway opened in Imenal was the homt line of 6 milen ham, bet ween
 of milon men and in opration was 3044 , an inerease (if (on) mile -ince losh. The companion hasing the hasent miluase are the divat santhern and Weotern, the ficat Virthem, the Millamel fireat Werom, the Waterom and Linerick. the belfant

 Brader fange than thom of Great Mitain-viz. $\therefore$ font 3 incles. an chlppred with $t$ rect of
 are culy of 3 ion gange. The heal anthorities
 thanwas. The fist enmiderable dedictamway
 tu the diants foureway las3). The eanal, rivers,

 11:3 millions of letsers and 65 millinn of port-cards,



1hbinoghany. - The earliest account of Irelant is cons
 and Eifnhum Hom, Shim. Subsentent accounts will

 of hotent in Fita (1sin): Ar J Mavies, hiseouro of the
 stete of Irthad (16:33): Sir Wm. l'etty, Politiral Anu-

 Ciar Moreall. Phet (nd I'renent Sute ut Ir hend (1-2-);




 Martineau, Lettors fomm detand (Lsia); Dutherin,











 11~世, For comparative statiotics of lreland and tireat bintam, see bikeat bhiran; see alou bhenos Laho, hayd Lames, Taniatry, de.


 and ronathee and fathe. It hat lawn :aid, nut mon


 woh of hombleal myth and ratity in an ribly
 ant the -tory of the Sesen kino: IV. (:anmit
now make any ellont wat at aistory in the
 one brains in sain tor timd wht whether the laty
 tifty women and three non han ans waram, abon the semlerent from wnime mation on is a child of falle altogether. Weranmon at any hint of
 and Fin Mac fonl and "isin. lat the innonom

 that there wan in Irelamat a ver ancient rivilina tion, and that the islaml wan werunied in dim far-

 sented one wave of insistom and the (innolv another. Many an wherver wh hand lithe in han of the merely fanciful har- beft it on ramel that in

 Nemedians. Firbulge. Tuathat de baname amd Scot- are reprode to have recomidely phated thenselses in an i- and which heteme their comine Wan pobatly the home of an llurian feople What may he called the authentio hintway of he-
 Patnick. P'atrick was hom in sothtiad, and in hin
 He exated to hane. and row ligh in the sersine of the them united eharch. कames hat caly in the ith eentmry le retumed to heland with the alowe of emmerting the i-hand torntianity. IIe aceomplished hiv mivion ammbety. and be exen made heland the ereat minionary echool fir the propasatim of the faith all over liumpe. It thitime heland was divided into repte or clans, each sept hearing the mane of the heal of the tanily. The rept- all owed allewiance tor the chief hiner All the chittamhins. Were emotive and harin: the lifetime of each chief his -nceeran wa- olnmen fram the eane family, and wa called the Tanis.
 of the pexple and these wa- mo feutal combition, and mo - - tem of pimosmiture. Near to the chase of the sth century the lami-h sarower-inraded haland and onrran wreat fart of it, ani mate actlement - on the eatem cmants. Tha lri-h
 not kecru out the enemy, and the Inainh exempa tion lata for math more than a rentury. It last,
 Brin Bummbe, brither of the king of Man-1"r,
 theme out of the conatry, he redneod them the the
 brian mow made himatt hing of Joland. and for











 tha i-latul.










 letg. Inary hat before thin recotived it luall from

 Ifeland misht the mate mane sumbinive than the was en the arelesiantiat dimetion of liones. Itenrs


 -iom of lrelame, ame afterwamh rambe orat him-

 lutter armed, and in fate the - wors of the Nomman



 l'tats, and Fixhongur in mblin. Ite allowed the native lriab, lomeror, for heter to lheis time. homomed - vitan of lindon law: The male lame



 bav litetad fown to ome awn dias.

The history of lobad for at loger time after the vellamant of the Normans lecomen mothing bint a





 tory was knawn as die Pale. Notsole were thes

 Emslish law did wot extend any of ita pateetion to them. They henl ma righto which it Nomman was

 Fuath to he drawt repy mord towath binh wats






 mangiod ath lrish wifu watm to lee matilated in at homilar way athl then pate tor doalh. It was mot

 'Ther Eurli-hmes till marial the hiahwanen. The wati Noman family of ther daralilines wa-
 Lis the time that llomey V'll. hand rame to the thoner the extater prat oit the i-land wate in the


















 limil.

Hems Vll. died. The Geraldines detied the prwer of Henry V'lll. The relcollion of 'Silken 'l'homas brokie out. "silken 'llomats, so niek-
 Lanal Thomas lätarerahl, amblue proved himedf of - romarer statl than silk. He rainal a lesperate revolt atgatinat the kinge, hat aftar a hated whorerne lie was defeated, and lie athe his five males who havl taken up arms with him were hourht to the 'Tower of Lamdum and hatiment. Whary condimeated
 in Englamb. I parlianment was smmmomed in Dhblins it which, for the first time, some of the lri-h chieftains were seen sitting sime ly shle with limelinhmen. These wete certain of the Irish binces whon had adreed to holal their lamok in the gift of the crown, to attend the kings parliament

 the antlority of the perse. This parlatuent ron-
 of leeland instead of Lend lammomat, the former denignation of the mevereisn. A weary chapter of stmoge followed the dath of llany VIll. Ilemes hat done his lesot to comarel the lrish chieftains ami people to give up the faith of liome amd astopt what was now the faith ui the majority in Fhulaml. This was lut a new sumee bif hitter-ne-s atml strife. The weat family of of Noll raised its: heat higher than ever, and the chite whom, in Andiame of English law, it aldeded to that pelaere. Shate wNeill, was actually able to make temms
 Wialtar Deverome, the lima liarl of limses, wats rent
 althomerh he manditemed whole manaer of them ber
 wat prevaided. Dfter eatch mew rimime litel heen put

 a 1 +w at tempt toexpel ar extirpath the hative lrish.

 the gramdabl of an Wheidl who hat eonsented to aroper from lleny Vlll. the title of Fith of 'Tyme.

 that mot hilliant rivelo. Ine wan rontimued in his tithe of lian of 'I'ymum. lint when lie






 whe ials, of whother lae of his own motion stumek


 What eotaplete vietory in liver wer Nir thery





 his wife. 'Ther riser lblahwater sat her larother's



 lretamd mp to that timn: hat Baxex comble do





the relselion．（J Neilf had to come tor termes，and tu
 Didizaleth died，and dimes I．areepted the anmember．



 from the comatry which they say＂they hat no Jomer the power to maintan，ami looth dial years after in lionte，and wore londeal ther＂．＂Thes lidist of the earls，＇as it is ealleth，loft thar ivhoml rom．
 again wat confination athd new settlements． When King Charles surceeded to the throme and eame into troulle with his geophe some of the Jrish elijefs thomedt themín opmotunity had comm． The native lrish in［ later man momed sir l＇hatin
 the Sootel and Englinh settlom who had hem planted there．In that risimes，following on the
 chred what in called the masatere of $16+1$ ．So far as one ean fom any judement it does not seem a－ if there wan amy heliberato ant pmoposed manatere uf the I＇rotestants，althomes it i－musimbe to domht Hat there was a very harharous－hangterine of Pro． teatant in one phacre．Tho strugrys of that time
 which ean haraly he aleacribed ats anythime hat ma－ateres．The question in this case is，wa－ there a cumpiray to masabor the lrotentant nettlers－was that thas anspinary－or was there a complivacy for a retbellion，in the ontloreak of Whieh a shangter of a great number of l＇rotentants was a whatly incilent：Jr（obliwin Suith，who certanly is nut in mond symathy with lrish historians，wisw it an hivembintion that the
 policy of the lepatern．＂and that in any eave it wan not bo loal as smme dif tha masomeres done ha the other sibe．＇Thr rising som lerame somothanes very like a matiomal rebubion．Colonel Jwen 11 Neill，neplew ui the wallant Trone－dwen liow
 history－amme wer to leint thas strugre．Jle hat won a hiesh place in the shaniols atmy．It liret his arm in lreland were all－nomenthl．A parlia－ ment wa－lond in killianm－a mathomal comvention －in Wetwher lite，tu prodains and ratablinh the indejempene of Im⿻日禸

 facoureal the Iri－li，and math mamy flatimes to

 exeention loft（rommelf foee 10 take Ireland in lame．The moly man in lreland equathe of meet－

 he hat albealy wen ond victory wore the linglish


 perpar was that he hath heren done to atath hy









 was a have enntumplated sheh at fathation of the whot．
 remter any further riving wi the hish inamomble，


 but amonst the setthers．C＇mmanght was sat atort as a surt of rew wation into whioh the maforturate hrivh were liturally drinar，and whege thes wat
 lrish womben and nimb wre shipmed afl in thon－ sands for sittual hevery or worm in onl West larlian porasestans．
＇The liestration hrought the lrish litthe perent， for Charles II．was mome anxione tu cmobliate the＇rommellian settlers than to reature the lri－h owners，Janes II．camu to the thone，and the lrish catholies mot better treatment，and in man－ sequence sumed a vory feponar of loyalty to lime ＇Thes champinmed him with all their might whern her gatrelled with his lowhe and tled fomm his throns．The lrish were in all these stmogles in－

 Il．，and hrompt William IIl．on them．Willimu defeated Jamen at the hattle of the boyne（liso ） and on othar tields．Limerick held ont to the lat． It was defembed by a brave raldiar amd true piataint，
 IFonse of（ammons that every trite lifhman was prome at＂the swom of sarstielde－and Willian＇s gemerala conld not capture it，I traty was mate which momised religiom freedom to the Catholie and to king lames follomers the ginht to thoir
 out with all the honoms of wat，amp pased away inter the servise of forexing lands（o）mest lie snldirs of England un many a eontinental hatole－ liedil．The twaty was honken abmest immerliately after it had been made．Kins Willian，who wai in Ilobland at the time of the smember of limerieli， womlal have uphedr it if loft to himedif：hat the
 the（＇atholiss，and the panlt af the wallant defomen ami］the homomrable and patrintic surtender of
 on lrelame with the avowed puphose of extimeninh． ing Catholicion in the is and．＇These laws hater in fact ever since leen known as＂the pemal laws－ penal fmes riredleme．
＇That two ！reat stmonges in herand wern the
 was part of the great rontroverss ghing on all wher Euroly for the＇lureh of lionse and aumint it．
 extimenish catholician in lratiand．The lamel ＊tmosle lacgan with the detemmination to impone
 biabits and traditions，aml lated on lo take the lami















 －





walled an Jith partiament, and repmenterl wem in
 thare beran to grow up in Jretand a pombar pats fell ly loteotants, whan antated for the resumation of its indepment leatatime power to tha biak parliament, ame for the reform of that parliannot in such a mamer as to maki it really repmemat tive Giattian and foral were mat paniment in this movement. The war with the Amprican
 (1) dive hame thair demanis. I meat whate

 defone. The valantern were entirely insompathy with gattan, ant whon the war was over they


 - the kimes. Lende, and Commoms of Jreland to make laws for the peoplo of Jemami. In immense

 firatian andice. The mow prliament was ex
 Mn-ively Promestat vate. l'ot its lealers at one wont to work to ohtain the emancipation of their (atholie fellow-abljects. (imatton -nceteded in whaming the to atmit ratholior to pation at the has. He then currial an aet to enable latholics to wote for members of parliament. He went further still : he strove fir a meanme to enabla latholice to sit in the hinh parliament, In this whect be was awisted and encompural by Lomal Fitawillian, the viemon ui treami. This was ton muth for compe III. The king tow fricht at the (whane mand powards fall emancibation of the Catholics and at the very time whom the frish peophe thonght they were near to a peacefal annsmmation oi thir liopec, the vicemon was sumbenly reallogh, amb ath immediate hope of catholie rmancipation hightert.

There hand ben a sorinty formad during the axitatime ealled the Nomety of l'nited hrishaem.
 tol asont drattan in the earaine of his reforme.
 I'rntotants: mang of them yome mell of tank and indhenew. blie Lowd Edwat Fitgervald. In
 amb in the dexpair of any parefol movement, the
 yar with Jrame was wing on. Sapown wan the





 fihe amother Amada. I landine was mate in one phate hat omb low a very shat fored who were -rm dofated and raptarel. The rolnollan hroke Int in the somtha and thene wats sume fieror fightines. the it wan cmonal. It hat imbed, wing to the


 the shldiery and the remmany which ther thers









 sir John famell, follath to the lant asamet the
policy of miom. hat they wer ondmone. There
 wore cmplened then at majority of the tri-h parliament to prow the ate Some attenget has lately lwen made to how that the money pent was not pent in burchans bots. lut inly in




 momisoim faithfully, while he framky detmotel
 into force on the lat dimmary 1sob. There had been a promiee hed out to har lrian ("athorli- that the nuion hemble he a peliminary to their panput Mmaneipation, lint King dempe would not hest of any such contersion, and his minitery din mot rature to preso it on him. The Sit of I'nitut was fothwed ahome immediately by the ahorive and
 dark might of consparace agranan and politiont. rame an. I wreat momemon was mate for Cath alic "mancipation. The movement was leal ly binied wrombll, and herame suecesind after O'comell hat ladied due haw, Iresonted himself as a candidate at the dare election in Ines, amd heen returned hey a erat prpular majonity. It had
 relnellin, amb the Duke of Wrllinetom, like the hrave old soblier that low was, debared he had seen tous much of war and womla not hate a eivil war,
 were enaiked to sit in prothament. The tithe

 wethement was at has efloped ber mans of whirh the titheendertor and the peasint were moloneer homilit into collivan.
In lstaboronnell -tarted a grat agitation for
 meethas. as they wern athed, and at bur time aemal to be on the verge of triving the comatos


 from him alturether. WConnell ilien while the horrors of the ereat fanme of the and it were still om the lamb, and the following baty, Ints,
 heland party lowh or thiftel into relndlim. 'The


 its intemity. 'thate was a • Phomis manimay,



 in the state of Jreland whim walled for urime ame


 ministered to the phintual want- of mot yuite men


 for imporemont la limadi han mand it he were

 bum-it micht burallad aland fomt was formand which had the pewer of rolncine renth where






 aro in fant bart of in ereat arrarian reem-tratiom shich is still going on in lablat, aml to whiel
 made contrimom. Meantims a tipate stomesta hand been rasine between the feavantry and shme

 mach distmranme in lrelamil. ant (imerem tot aiter Gererion . let wat phand. . I Home linte
 sprans a -mall hot very detemoned homy of hi-h Sationaliat metabor- who, mular the leaterohip of Mr ("harles stewart l'andell, atemendant of the tir John Parnell alreals montioneal. set them-elves to fore the cham of lreland on the attentim of the English parliburne and buble by a syotem of per--ivent ohatraction of abl lasine in the How- of Commoms. In Jay lane tha whom civilived womt was horritied hy the mader of Lamd l'rederiels
 dientenant of lreland, amd Jn limhe the permanent moler everetars. Ther materem wew proved to he.
 the berpetration ot such wimes. "They were lue trayed hy onmon thar own amoriatem. were fommal oruilty. anal -mar of them wore executed. The Home Rerle agitation wemt on gowing stronger. and at lant. when a uew Forndhere Bill had given a popmar cultrace te lyelan! a- well as to England. the llmme Rule party camion off eighty-six veatont of one hmilret and thew which make ap the

 thin was defested in the rimmonts lay the miterl femservatives and libejal lnioni-k: a seoond
 deleated in the Larts in la!?. I meler Mr i. .I.

 of all parties and inith- conthintal in an asochation ta promete dairviner. trala. and commerce. T'lie Lacal trusemmmat int "i Is, han heen namod
 low recornition of the whamory of the lri-h mhlier
 -hamrock on st Patriok* War. and the fommation of a regiment of Jrivh finarin. I new hoparture Wa- made ley the Natimalint moter Nr vibien and Jo lenthonm in l!an 1501].
See Plowden's Histurionl Parime of the Stete of Ireheral (1SII); Moore's Mistorlt of halinet ( 4 vols. 1 s39); Donovan, Anmals of the Kinedome of I'cland by the

























 works cited under these articles.

















 'rmithmig, to we the liatle mand wat a sefarate lanmange : and Commac. alremby montiomer, moten
 a loctimh worl. The writer of an oll !ammatical 1reation. momerved in the Domkis of Limllymote and S.awn and in MK. l, wi the sontioln (ibleation of riaclic IIS. protene to give the fomm of the thind

 in that uf the mythien Firlober ami Tumban de


 fort, trath. El-ewhere finmace !-: iso foth as a teehnial taran far the feminime wemer and trofth for thas wentor.
In lrmand the langmage was lose shlimected to comating intluences than in seotlami and in the Wle wiflan, ame it was mure earemlly rultivated.
 copinm- and the wammatical form are fuller. The Nome lamenage, whimh dioplaned for a time the native tongue in the Hebrides. hatrilly took rant in lrelant. In the names of there of the fome poninces the Noree sutlix ster alluars, hat the
 bured with that uit the noth-weat hioniando amd the Ne of Jan is very mall. The linglish lanHhate fomml it way on the comntry in the $]$ oth comary, hat for bery many year its alvance was slow. As is well known, hereral uf the lematios
 pattons of the native lamonace and literature. wi the limker, the Bintlers. The Keatiners anl remalimen it wed to be sidid in this recame that they were ifsis Mibermis Hitaromemes. Devomal the
 visome in the loth century. Sme erno in the bure











 the coltivalion of the native lanomame in With
 lefomation wan wamely fell in lalathl. The








 the extemsion of the shtherge the surial amb politial movement of onf own das all eontrihate

 number of persans able to apozle the ahd tomone.



 were unly 714.313 hilimenal- in 15.1,

 ailde to - prak liandir in linl was 940.932. while in 1si] the manlur of
 The emment derame will very poble
 hote a gratay dimamotion propertime ally in fla mamber of perons able to treak liapelia moly thate in the chan of hilingnal Many emigrant fombly elterith thair mothriretoneme in Amerian, and ill the [aited Alates one of two

 mot-iblo it - matist unil.



 Native writers mall actal-ional map of this primitive and withat chmor monlo of writing long after they heramo :cyunimtel with the laman alphalnet,
 St fall, and exph in quitu matem domments, as




 -10

















 in valums phbliations: while the grammatioal forms wheh thoy exhinat have been explained loy l'rufesor lihys,








 or the lwemmere of the sthantury. The lioman





 aisem
ally to repreatht the combination as: $f$ stamds for
 are met with in one of two lostr-words-ymmon, a
 ISi, are in latit. (1ser gor melt, written by
 all with the exmption of stme latif atosen in
 ware written ly the distinguinhed mis-iomary and



##    all bę̇a rompree aje.






Ghe oceasionally binds a Ciatlie phatrain on the

 anf (arinthian fonlices. There is a fratument of a xemon in ohl datelic in the town library of ("innlany ; and still more valmalle are the fomotatioms on the limol: of demmol, witten in the ratrly patrt of the !th contury lint the most impioritant remains of old diable are foll glosese on alout a come of the latin \xis. on the ('ontinemt. 'Tlote
 Cirammar in the library of st dall ; a rope of st I'mal's liontles in the miversity of Wholmon: and a commentary on the lealms of 1 bivid
 Nibim. Tlat frlason oll ther Milan ('imlex ate as

 from theln alonme.









 lofore 1167; the liewle of liallymotr, also at latron









 Whish :ure in the lingation of the lonsal Iriva


 lint: in the lientheian. Whand : mal in the lisitioh
 whtem: while arraral in the omantemtation of thoir rapital amb margins ato find sporimens of
 rantonts are of at vary varital damoption, :mai




 the life of Vexamber the fiveat, 心e, ; most of that
 "erelesiantical. in the Lowhom Peren and wher Whs: and such alve in the medieal serotim of the literature of native production ame hiotory, in-
 mothologital, herna, legentary: grammar amo dictionaries: law: amd boetis:

Nomem Gaelie literathe exu hamply lue sain to exint. The Jew Tevament was julliolarl in latos. and the ohal in lexs. A fresh rambation of the Tentatench was mate in lacis liy Arehbishom Dase Hate, who alon printed the lirat six books of the Jlend ant a selection of Montes melodios in lrish saelie. The Sew Testament has hemn translated antw lis Dr liane into the Jmster dialect. Fugitive pieces of lyric verse lave alruenmol from time to time. The Reliques af Irish Pate!!, pulbliulad ly Disw brooke in 15s9, and the sis rolumen pmh
 - O-mianic.' "The tambe (nion' lats printed severil texts, and pmlainhes the drombe fommed.

C'eltic seholaship dates from the pmlination of
 Wa-, howerer, Hone ley Engene OCurry in his Ms. Mutrivels ut lrish Mistury (1 sti) annl Dhmmers med C'ustoms at the dmeent Irish (1s? in): and by Olhenwan in liv (irammar (1sti), his edition of the Ammels of the Fum Dlestess, and his S'umpement to

 thirteen years of nuwearial work amomg ohl Celtic


 Ehel aml selbeicher and Rimefried ate worthily
 Nigra, Wimbineh, Zimmer, 'Thmmeram, ontainville, and Loth on the continent, ant among ourselves
 fonnuled in latob daiduz, romeled it-tenth volume in lsom. several othor perimbieals at home and abroal, notably Kinhas Zoitworletit fur lergl. smonhfo, fremuently pulblin impurtant articles on Celtic sulijects. Windiselis Kerragetasste Irischer
 in 1s.9. 'The same -elobar has ator phblisher Siesh Terts for the use of = thilente. with a valuahbe vocabmlars Zinumer (berlin, lsol) ambl Stoke
 Ronses; Niorra, the Thrin alowes; and Ancoli, the St liall amililan colioes. (opions extracte from the Joun and Jilan orlomes, towetled with the

 teats, were fresomsly finten by Stoken nuler the title rudidflime ( 21 ell. $1 \times-2$ ).

Wianlinel late examined the laws of mustont,
 and eclipais (the emosy has hem trambated lis the late In ('amornm, ant printal in the seottish

 and its inlluence on tha develophurot of sumat athl form in fandic. 'The latwo of metre have



 atreaty refermb to ats breserven in tho bewh of







in the weraharite printer with the llamilion, de.
 Thue sheftic of louth: ly Kimmer in hiv Kilt.


 tion of the preple lame formerl thas ablajet of


 freynumtly of elabmato intrombetions and note tor the mote important publioations, med as liowess Life of st (intmble: the Janter of the lables
 life ef st Potriek, and lites it sionts frome the Loul: of $L$ ismome.
 heen publisheal hy govermment in the Mater of the [iolls" serien: as also The Aupient Luus of helemel (br vols.); The 1 mats of Lomph ('é (2 vols. editerd by Hennessey); thonime srotorvin (llennessey) ; The 11-ars of the frumbl with the rivill (Told): The Triprectite Lifi of at Fitrich (stokes). The lioval lrish Academy has printed
 Brear (1506). the book of Leimster (1sivo), and in floterlithograplhy the bow of Ibllymote (1NST): and has pub. lished the calemdar of Oengm the cubiee, fulited hy S'tokes (1850): I'issions and Momulick fomm the Lerebher Livec, with weabulary by thinson (inait) and keating's Thref shofts of brith, ley Atkinam ( (sim). The Cobic Society published among others the Bouk of Rishtw, edited by Othonovan (184), and the Buttle of Momente. edited by O'Cury (1sin). The Irinh trchanlugical society, which had previously isnoed several valnable

 and the combined societues have puhbished among other important honks the Libri: Hmnnoram ( 2 whls. Tods, 1sti-6:'); the Life of Colubet, by Alamman, edited by lir


 ovan) : Cormac's filossere (b'lonovan and stokes, latio). The Clarendon leess has ssued Sultuir mu Renn, colited ly Stokes (1sis's); the Butth of J"tutot, by Kunn Mestr
 ly stokes ( $1, s, 0)$ ).
 of the leltic chareh, whitlo compromemed the eharehes of (ialatia in dsia Ninor, of (iand, and of the oriminal Coltic inhahitants of (ireat Pritain and
 exactorl a grat inthener wer the neimhomang
 century at least into lintain, where the (ettio Chumely was so firmly entahlinhed late it furnishem matyro in the bieeletian persecotion, and hivhop
 Romans left britain amb the vera- retined intes Walex, the celtie 'harela retiret with them, bean ine Britain a pres to אaxm pagani-m. In Sortlam Christianity was introlnow in :

st l'atrick is called the anostle af trelami, amb has lims miximatry arrival in liseal at 432: but thare were in all probahilits satherad robmine
 by the year fow. We lave pomet pasitive of


 1:3i, writes thas: 'lallalios wits romservatal la









Irixh, an ethent make tom nader the direct sanction and anthonity of the papil we. 'The very nest
 on a similar mismion: hat lat was hetter phatitiend for his work, and jur mate his infloence falt in exary bat of batand. Diand in the raty
 fontre for cantern monamidem. St the wer time that st l'atrick lamded in loplamd from (iand there was a most artiva aml continnmas interemarse kept nu lnetween lianl and st dermme at lbeth. Whem, Nitrith, and the monantrrios of the 'lhehatiol



 ments of the varly trish Chard lawe therefore many featumen in emmonon with the biast. The mombis of Nitria amb of the liast were gemerally whitaries dwellinge each in his own eell, even when living in a commannity and nater an abhot. 'The lobh monk- were molitaries tom, amb down to the fresent day their berhive hats, (embetructed so an to secure the least possible cominer for the inhabitantm, remain all along the western const of Irelaml.
 and plated within a cashed or stome fortifieation.
 14). The lriwh monks, like the Errotian, lowed sulitude and the deart, as the name lexert, Disert, or Ifreet, which fom a principal factor in mans lrish names, prowes. The romme towers, tom, thongh not so ohb an sit latriek's time, eame to Irelami fom the East thromb (ianl amd havemat.

The interval betwern the amival of st latriek amd the invasion of lalami bestronghow am? the
 the history of the hishe chureh. I'he 6th ame Tth enntmies are its heot known epoch, for it wat then
 worked. 'The lifis charel at that time was the gerat misamary ehureh of Europe. St Colmblai Wax its first ipeat mis-ionary. lle was the apontle af the seottich llishlamhe, aind he smmomel to his aid whan doraling with the lotes twa celeloraterl lrish mant - ('anioe the batron of kitkenus, known
 and livt alohot of Bingre in the ('omnty Down. st (iohmohama (r.v.) prachand and tanight in (iand
 Italy. Whar minaions were thene of didan, (blaman, finam, lednl, amb many mhers in morthom and








 hamb

 died amt elowhere in the Wimes.
 Mpiscopal, It wis mpinopal but mot biocomitu












Who forked to the monatsterias aml oredially to the
 the apontlen of lrelamd. lint these misommates hat reedred chavtianity in an epasomal shaper, and so thes retaimal it. The ablot exercioci
 commmaty. lint the hishop or hishops who mindet be resiblant in the monastory or within its reatela earrexed episental fantions, watining even the abints themselves, amb erbehatimg the enchasist in their presence. In the controversy as to the rediatime towatals lionme of the araly lrish chmeh some have insisted that st I'atrick was simply a bapal -minary. Uthers have insixted nom his emaplete inhtprindence. 'I'here emmot the nuch olonbt, how'ever, that liome and Ireland were for loner divided
 the The centure with reveret to the mode of bititiam, the kerping of Enster, and the methed of the tomsure prove that, while the lish 'hareh of that late looked "il with the greatest resperet to the eity where the hlessed apesthes I'eter and l'and

 Wherber in Enshand, Helamb, wr trothoml, mate a
 and Scotland the revistance collapsed at an corlier perion. Bat in lreland the ancient national opmasition to pripal elatims did not rease till the syond of Kells in lliz, aml of ('ishel in $11-2$.

In to the ritual of the Celtive Chureh we have not much information. No ancient atove looks
 of manuswipts belomein! lo the ('eltic prevod exint in the [mbla limaties ; they are almust all, howwer, tramerijets of the (inaplo, an the binok of K゙elln, on of the New 'rotament, is in the lamk of

 the Irish Treharologidal semies do mal ematain the lithy property a called-i.e. tho service for the Iloly rommanion. It is most likely, howeror, that the misall of the Celtir Chareh wan in the main indentioal with that of the where ehamelese of
 must ahbun mat to the ideas of the lionath parts, till in 1172 ther 'ommeil of t'ashel tinally estahlished thonarome lachat eonformity with the charela of
 with the chmeh of hreland whinh hate witern ramed
 -ystem. Sme In letrie hat prosed that the rommi
 commered will monastie mblali-lments, and uad

 Lareven has flown that the loblders (q.v.) wate -pread all over the Coltio ('hmelt, and were omly

 in Ireland from the Fith till the loth eentury Malarhy, Arehhishop of Arhatah (llath, saw lhat

 not bat ber stote by the eontsas which his own









 motione of matomial riviliationn, coperially ita


 really anditat Celtic charehem and momaterice Wres all wi the humbert deseription so far at thoir architecture was eoncernet. Deres and thare indeed in lreland, when the (i-iterians eamer, a few specimens of arehtectmre of a highly armamemtal tyme abled Hiberno-limmantant wero -rattered: lant it was the Cistercians who mate yplendid eharehes and monasteries fashomable in Treland. The ('interesth monateries rapidly spread an Ango. Nomman lmwer advaneed all oser the inand. Ireland within whe hambed sears after the invasion was more thomongly compuered than she wan three centmite later. "]'lue year lajo sims the kings wit far loetter respeted in lievry or in Donesal than it wian in the reign of Eliatreth, amd wherever the duglo. Norman hamom settled they broment the ( iotemedans with them. We biarels fonitt st Thomas - blese in Jublin in hemond of Thoman-i-Decket: De Litry, linctive Ahbes, overhameing the boyne near \avan: Stomorbow, the Marshals. amd their hilemberected Jerpoint and lambraly in the south: the le Comme Sewry and other ibloheys in the mosth. The Ciotercians

 Sishop of hiomore, the bumallowite of that day and
 reonlated tho work ut catechising and of baterism, etablinhed the lamman talle of athinty in matrimonial matters, and levered miformity of worship thmmerbat Énsland and lretand. From the date of this sumber the chan liw, it it was receised in Ensland, became dix in ledand. The lint Celtic Archbinhor of Lublia, Laturence " Fombe, died in llso. The next arehbinhp. Jhh Comyn. was an English enomtier, nombintatal hy Jemry II., and
 Iriviman wat ever Archli-hog of lhblin.

The Anglo- Normann whenever they hat power stowe combletely to exelande the C'elts fomm ecelesintical hernotice, and whenemer the felts
 Nomman. In fiet, from lli:2 till 1.54 , there were two chmelles in Irelaml, one Anslo-Nomman, the wther ("eltic, lomand together lis the whe tie, the
 and Inylu-Noman al!
 cion of lrivil elark into monastaries ar bemetices
 exdlusive shirit in lonl- i-nnel in 1200 and $1 \because 24$. Later in the atme contmy thereltatent the foltie


 Thas rymit uf divisom wats matmoliend in the



 promotion- till loneg after the larfomation. Jondin









While, lnownver, there was hai- intmathational







from the erown of Endenal. Anel this was mo rmpty ecremonx, for whenerer the sw wat of -nftiotent value the arown alsa took froend catre to -ignity its pleatore ats to who should oerops it.
 (ashel, and l'nam, were alment alwaty thlled by
 he a mi-simary and a lemoned and became a merely politic:al elurch.
'The nathomal hatred whels prevailed between the Anglo- Noman and Celtie portion eif the lrish
 uf the Jefomation periond. The binslislo portion wi the population naturally follower tha ehames in linmland, and the (elto as naturally hedell the mone timmly to the pajal snmentary and the ond state of things whieh hat mow become symons-mon- with lontility to Englam. Limbamivm and nationaliom became now and henceforth chase allies in Ireland. thomaly previonsly the pope hatd heen almost alway- fomed hostile to the Celts. Iburiner the verrs lutween 1525 and 1600 the comre of change in Finsland was simply reflected in Ireland. Drehbohoy Alan, an English ecelesiastic who wempand the ate of Imhlin in bies, wax a fritod of Wrany: ath he followed clonely his fatron: fontotefr. Ibant low-3t forts of the smallor frish monasterim were dismbed liy lim. In lowi-ib the remander were suppresend and their prometr ranted to the king. who disprosed of it to valoms moldemen and emortiors. In a purliament asmemberd at bublin in lasi the act of the kinge - mbemacy in Irelamd was phacterl, while in lote llemry Vlll. was dechaterl King of frelam, his legal title heine pesiondy Itominm- II ilocmis. The work of reformation mos

 bri-h (hured, so far ins it was umder lingelish inthemes, hmaly followed the ehamere in Encland:

 rosal -upromaco wan alone leral, and the Vinglish litung wis ased. In the (edobe districts duriner


 to the liefommation. The lith rentory : an wow - fements of religion- ronfinsion intombeel. The immingation of the seotish lresherians and the



 in Ennlami, whelu combuated in the supromace of





 - pemdand than mur.
















all divahilitien attentinge the secular clever of the Chumel of lomme, thomerl still retainimer vertain restriction mpon the remblar mblers. Whe the ate of



 a premeral symbl, whels meet- ammatly in opriag.


 the direction of the poper Irinh Drendeteriamism, dating from lbis, previlo engedially in the eantern
 till 1 sb69 emlowed with a Kegitm /homm (y.x.). The organivalion of the Jrentrimian thmeh daten from loth fum 1642 whem the tirst prestrytery

Sed amone ulder anthorities. Unoher's Works: Sir Janes Ware's Wurks (ed. Darvis) Cugan's Acte sien"turem Hih: Anmels of Font . Yustirs, and works in Soll. series. as Chonicom scotommand Annals of Lomefle $r$. In the l!oth centurs. 'loull in lis Life of st potrict, and R. King in his Mistorn of the Irash ehereh, maintain the Protestant view: C'ardinal Moran, in Essen!s on the Emol! Frinh theroh, the rlposite vitw, Lanigan, in his Ecchai"stical Histor'y bf Irelant, an intermediate position. Dr
 works has thrown thods of light on the subject. Other anthorities are E. Itrgan, S.I., Mommentemes. Patriciu: Whitley Stokes. The Tripurtite Liil uf st Putrick: Watren, Celtir Lat"ot!! : Skene, Celtie scothend. G T. Stokes in Irelent dend the Cellie Chureh (Issib), and
 tains the indemendence of the Erish Church: Cann Belleshein in his works on the history of the Catholic Chureh in Seotland (1858) athl in Ireland (1860) defends the opposite view. Siee also Bishop Mealy of Clonfert,

 The Ifoly Siriptores in Irelend bur Thentestud Vears Alw
 Fiecsimiles of the Fotional Miss of Irelwhe. For the more recent history: Mant, IIstory of the church of $\overline{\text { I ; ; J. T. }}$
 Ifmetume; Reid, Itstopn of the I'Reshentermen rhareh in I.: Corton, Fusti Eecl. Mibirn.: D'Alton, A mhloshom ut Duhlin: Irwin, lerish forshmberanism (Lond. 1s't0).

Irelinld. Shmitel Willign Jenily, the
 burn in Lamdon in 1777 , the son of Sambel Iredani,
 anif prints, innl atuthor of a few lumbion of travel
 in Franee, the log was apmonticed at seventeen to a Lomblon comveramem, ablel ere long wat tempted



 of hair, private lottor, athontaterl book- d戶, were flentifally podnced, ind all immurem into the low and the whore fabled at with lyine aphanations.



 reticheal the folly of producing a deen of shathe.


 anmonmoml, and sarefally concealed motil it- fra.








litetory explathation wi the sobree of the patpers, and the Voumgr man was forced to eonteres his villans. He pulbiched him ronfession in at tract in lish, and more fully in his ('onftossions in lson. The father's leath in 1800 wits siplomed to have heon hilaternel by his shame, and tha man somatink into olverure



Irenivils. one of the most important of the anto- Nieene Clariatian writers, was publably lum
 and in hix early fomtl wa- acpuainted with Poly

 sontlem France, of whieh he was a bishops the win a priest of thre clameh of Lyons, madir the liabop lothinus, upon whone martsrimos, in the gersention of Mareus Aurelins, in 172 , he was hime aelf elected to the same see, whicli he eontimural to govern for twentr-five vears. Gregony of lanas shates that be sullered matrydom in the prosedetion under severus in ?02: hat this is probally a miotakr. Ilin day is the exth of Imme. Iremins. Wan at leboted and surcerofill mixumary hishop, lut hi- name is inoweiated ehinotly with his activity
 tinians, and with his attempts to prevent a rupture letween the Eatatern and Weatern chambex owe the question of the day on whieh Eastor wats tale keft. The only work of his which has pome down to us. except a few imanmats, is his treatise
 the tire book whiels atre preserved in quotitions in Miplulytus and lipiphanios, we have only in a barbaroms Latin version. It is in tive books, the lirst two describing and eritiniming the tenets of various sects, limosic and lilimmite, the last three setting forth the wthalos ('hristian lueliaf. The list editjom of thi work was g!lblinged lọy Eratsmus
 lont. 'I'be leot editions are those of stievern (lap.
 is a transtitim, inelumbor the framments, in ("ank" Ante. Verm Jibrery. In alla examination of


 7-9). whose leanty and talents excited the mbina-

 renent durine the minnity of her sun, (omstantime
 mext year. The Greek Choreh, wh itemant of her



Heetoll. HENis, ath Vinelish gemeral of the



 op the hreaking ont of the ('isil Niar athored his adevers to the parliamont. His commection with



 infolacibla ratmies of the hime, and signed the
 well to hedand, ami in lian berame lame deputy On egth Sovember 1 disl The die.l of the platern. forfore the walls of limerick. From Vestmiastur
 tion in Tyburn.



what bubley．The haver ate eremerally swort． －halual，in two mon－，ans rymifont（on plamed that ＂ne some to ride on the lack of another）．The
 in some regular，in others immolar．The－tamens are there with anthers thened ontwarls．The waty is inferior：there is me style，with there －Highic，which are often petal－like and ald mush to the betuly of the themer．That froit is a ：$:$－
 known，of which the repater mamer are native of yarm combtries．They are patimberly abmant in sumth Ifrica．A few are litions．Iris，（ilarlie－ lus，and croens are familate examples of the ormer．

 stuck－of ame are milibe．

Iridenerice．the sheen of mother－nfereat and other ohject poseming a finelywowed motace
 of white light reflected from ilifirent level in the STan ing：some of the waselenothe are more com Wetely andined ly interferen than others are： the result is that the residual vilration which retehes the we contains a prepoderant promertion of the rays which have leeen des atherend by inter．
 colours which vary acecorliog to the angle of refles． tiom．

 ondomally fomm nation and noty phre in con－
 inmm，but io usually combined with oxmiom os an alloy in flat mado．It is a very ham，white，hrittle metal．whish may be melted by the oxyhymene bownipe of lay the herat of a voltaic emrent．It is mallombe at it white lotat．In it indated form it
 as an alloy it limalues in the latter hain．It forms

 le－s siblabe than the comosombling platinum com． pands．There suphites and materides are obtain－ able：hidime may he fused with phophorns，le
 contact mint in tolegrally，and wearing jut－of armatife intrummen，frilium was liveovereal ly berentils and by Temant in 1s93．

Iris（miginally a persmification of the ramhow）， the meronger of the genl－in the Hemb，an othere Which belonge to Hemmin in the oflysesy，was danghter of Thanmis and blatat，and vion of tho







 sworem in 1sti．







 from the timkine lris（I foliflissimu）by it laren
 han on rately bate yolloni－hwhitw Howne and




his：$I$ ．wiphervers or lioglinh lri－and $I$ ．gex munice or Common lris，all Varopean bubes．


Yellow Irin（Iris Itsrmblemotas）：
n, smis.

Mans fine varioties hare heen proluced．The
 tuhtrosf），ant the Chale are alsat much entemed．The learion trix is Aelightfully fragrant．The ronts of all theore sperife are annually aported in comilamalle guantitios from Ilollam，Mang other mecies are of freplent wemrence in thowergatens．－The fresh rout－atok of $I$ ．perchderofes are vers antid， ats are thome of many wher puries．Thase of $l$ ．

 Sibmia；thase of $I$ ．atulis at the lage of Come IIone．

## Irish Elk，See Elek．

Irish Moss．See（＇imbinemen．
Irish sear a lowly of water ly ing hetween the moth of Iretand anil the moth of Euglant，with the smath western comatios of sonthand on the north．It is mmerted with the Athantic on the nurth－west lyy the Nouth（＇hamel amb on the equth hyst ceorge＇s Chamel．Between the ponts in Louth（Irelame）and Lanmanter the Hibl sea hate a Wilth of 150 mile：；it－ weatent lomgth month mal amtlo is alout tha same．Within it－lommaries fie the late of Man and inghey，with Moblhead 1）lanl．

Iritis is the term aplimator inflamation of the iris．see bow
 separated from than on the $\therefore$ ．lay the saym


 The comater is murnally monatimons．hat prob






 Pramport of csul－ 10 amb from Chime sure the




 and faptorios for sht, choth, and potlery. The town are lrkutk. Kirrm-k on the lema. Nijnimansk, and Verkbulen-h.
 Wence of the gevemorgencral of emarn biluria

 bhot-k in the lust-hilt mon in viluriat, with

 a public hibary a mutam witural hivory, and

 of linsian anf limiats. bknth was fommed

 tion mon thereat sinerian highway hetwen chima and linsi:1, it in the comburcial centre of silurial. "- "erially for the teatralle: the ammal value of it
 cometitutes the main highvay for gomblomin ber Kiamlat actore Lake lbikikal, an well at for those
 Ther commanisat jons hetwern Irkmtek and Yakatols
 ly the river Lema. Jrkunh in an inpmotant - tation


Irimin and Irimin Pillars, Irmin was a doul of the: an innt (rmmanie trilns, the Iterminnem and the Harmundars. T'o him were dedieatel the so. galled Irmin or lmen lillars one of whel orginally stome at Marvery in Wist bhalia, lut was dentroped hy Chatesuane in Fiz. These pillats were motly male of woul, and prolably were crowned with an image of the gomb. The were hell in wret veneration be the perghe. "Imminc chatios wan a mane wiwn to the cmatelation of the lireat liear.

Irnerins. the "Lucema duris, a leamed jurist
 inhed there as a lacher of the limmal arte, and Hiod molar the Emprom Lathair II. Indare 1140 . On of the carline to ilewote sarions stasly to the Intitures and foule of Ju-tinian, he has liven (emme think withont ramon) rexarked :ts the fomden of

 ticen, an 'patame of the Nemalls of dustinian. Ilis
 anl hi- fometimes are mot now extant. His name




Iroll. sym. Fir (fromm), ammic wollat in.


 pure oside lay chareal or hadramat a very high


 i- frigher, so murh on that it we attompt thane it
 frint is at taineal.
 combution las the impuriten it comtaina thene






 and in wrlinaty bith inn. Thes are redmed to a
minimum womsh or mathoth iron. The entomr of thin i- Eray or hini-h-white; it is hard amid hos-
 when broken atom exhinits atased facture.
 hefore melting pasmen intu a mif. paray combition,
 luing hammered torether, lie mited or wedled so complety a- to form, wall int onte and farpars. a single pioce. At at mel heat it may be reatily forged into any than' ; lint at molinary tomprai-
 pared with gold amb silver. In thotility it ambs very holl, bing bardy exreded lag ght, silser. and p atimm : and itm thaty is very great : when embined with a little carlon it samble the heat of all the metato (rem srent ). Ito suseeptibility to magnetime is mo of ita remathathe chatater intion (nee Mandetomb. It a high temperature it homs ratily, as may lee sem at the forone, or (more stikingly) wheni : fowing wire is into lumed into a jay of axyern. In dry air and at modinary temperatmes the hatrons sumface of the motal remans muchanged: lat in a moint atmoGhbere the surface rapibly breomes oxilised amb emered with mast. Whiel comsists manly of the hydrated proxite of ima. It a liright red heat irn romblines with the oxgen of stean and lihurate handran.

 Hhat reins. It mear- as whe of the whef emotit.

 any oher of the hasy motals Neaty all oi tha
 camot tind a hamdfal of woil inn ans fort of tha surfare of the earth that in free from them.

 fremons wide feth, which is the bave of the green of firmos salts of irom: (2) the wsquas if: on purastike on fire usthe, Fent, which in the hawe

 the two precoling oxilus: aml (1) a gucsimalise


 water to from a hedrate, lou.llo. Which, on the addition of an alkali, falls in white flahore pros. vidnd the water in which hary are su-pented an-
 !2:3.
 walt, are the farthmate, the suldate, the phanHhate, amd the siliatite. C'afomete of irem or
 varions minorals, amd may fur ohtainod artificialy ly precipitating a sombla protmalt of ion with


 is thas cemberted inte the herrated proxishe

 tion of iron, or it miphith, in dilute sulphatic anill : in the fomer van thate in an evolution of hydramen, and in the lather onphamedted hadro.






 is throns dann. Sll blew sallo, wherialls the rarlumath :mal shalathe, ate extensisely med in
mplicins. Niterofe and plomphate of imon wemb nat mally in many minerals.
 i- shtainerl in ath ablyboms form ly inniting thes promonlphate, and is known in ther atro
 lionetere armaliner to the hegrese of havization in whinh it has heern smbmitted. It is maplayed

 and in the hydratod form in varions minerals.
 by procipitatime a solution of a pervalt uf jrom witl an expas of potanh, amomonia, on alkallim catronate. It falls an a followi-h-hawn flemeralemt

 lyalrateil promite.



 ghate smil the viliobtes Wif thene the nemtral
 varions minmals. 'low nitrate, whiflo is obtamerl by the solution of iom in nitrie arill, is a nseful nericional achent.




 Fesl. "The latter may he obtainod hy disenle

 ploved in modicine. "llar putinlibe is an extremely

(r) There ate meveral sulphides ar sulpherets of
 prantity in montorice iron. It may he ohtamert artilicially ly hating iron with sulphate. It iva
 the masmotic pornotins uf metallio imm. It in inmblul, in water, lont in buint ait becomes oxidieed intopmotonlphato ni iom. W゙ith acils it
 of iron, Feese, is the imen futiofors of minomalosiots. and the mundia of comburion. I motar the latter mame it is med estemaively in the prepration of oit of vitrial. The ather sulphides ate of lean importance.

 the ordinary te-t- The solution of thas fommer have a patherreare coblume, while thome wit the lattor
 phoretted hyolropen eives mo proipitaly with an acid solation of a forrons salt, while it efores a milky fueripitate of sulphom with a solution of a ferric salt. I'ntimb, vinla. and ammonia thow flown a Eray or wren lyalmatel wilo from tha







 hamki-l.h.her mbur (ink) with the forrid salta.



 culonm with hlue formar, whilo witl the lattor, if
 redtli-la hown prompitatis.
\.






 the hark withe of irm, lowever, has been cariod am in India from at bry marly timo.

In Vinope the ricli spablar and other mes of


 that of Fromze. Wra arr infommet, tom, hy the Roman hiatoriano that this metal wan rmployed by


 extemt, as is shown by the cimereleago in thes Forent of lhan and other plates. The ruble pro. preses then in nse loft ste math iron in the vinters
 of wre to twonty fumares for leetween 2410 and shan yeals. In these eatly dimes the fron wes were Fednegl in a simphe ronieal furnace, called ath airhlownma, ereoted on the top of a hill in urine to ohtain the areatent hiast of wimb. 'Tlae farnitees
 artiticial blast. ©haserall was the whly fuel uned


 powement ined with himalf. It was mot minto-
 his furnace at coathroskitalo. bint, as this methon! Wits not moperty maler-tomb the podurtion of English ian loclineal with the elange of forl, till, in 1. 50, it was omb thre fomothe of what it lat fommoly been, Xhat ton years afom this, ham-


 tum whirl hato given to the hiatory of irme the interest of a romance. The introdardion of Wiat ex
 robliner insented ly hemry 'ort in !ist. and thas mabionment of the hot libint lay Sribum of tian

 mannfacture in remont timen is the promese of sir

 Dattar methoi of making oted hat alob of late rombe into extemaive use.

 wre: (2) rad hamatite, permlar, or rat iron wr: (3) brown hamatita or hawn iman mo: (4) rathan-
 and haw hband immolome.

The ome riuhtout in tha metal in the meremetif





 irm praducen from it, whith is aternerd the lant










latel hermetitr eomtains a litale mome ovyem, its
 iron by waisht if jume. The lint ones atemally

 irom, - at ratled from its latisht metallic Jnstres.
 in the indand of Ellan, where it has laren worked for more than enote rears, and is likewire fonnd in mans other parts of the worl. It in of at seed Eray molomr. asombing a red tint in thin thaments athe when ecratcherd. Inother varioty in lielmeg

 liend harmatite is the momt abmondant varicty. It "rebus in manave deporits and in thin strata; some
 that when rabhad it conts the lingers with an



 wre is fommi in weat ahmolane at Whitelarem ame l'herntore, in the month-wes of lingland, where - Hendil mases of it beeur, 15,30 , and even bo feet in thichaes. Vast leporits are formel in the north "f Sbian meat lillma, where it is now harely Worked anm exported to Great britain, whith in



Diman hormmetite or larown irom ore, is al livdrated peroxile of irm, and has the same amposition as red lowmatitre, exempt that it contains alome it per remb. of water. It is menerally found masion.

 mived with earth ar elay it forms the joment. bellow obhre and brown umber. brown hamatite is now an inmurnant ore in (ixat latitain. It
 in levombire, the Forest of Iban, Somth Wialds, and in the embaty of Antrin in Ireland: also in ant marthy form in Northampomblite. It is the ore


Suif from are is an impurn vatiety of homen hamatite mandy ontaming formboras. It aecmas in curbona perkets in peat.

 of titanic ancia. It i- fomod ahmolatly in Norway, and i- מow in pratioal us. 'The hark sand fomid on the morth-rant fhomes of ('imata, and at
 of inn i- muguelio.

Cormontrof irn, whon fobmi in a comparatively:


 Spatlian ore wis litulo workent in Vomband presime









 iner like nathlo. 'Thare elas atal hatokhand iron.




 Ho mind in the monitry wat chatimed from the


the imon, are alon fomm. The ore welure ats balls ar uodnles, or in combinums lurds.
'The following table shows low widely dintributed are British ironstomes. The liat iteni of Enerlish prodnction is especially signitionat. It rapresents the fungest and wors of all the workiblu ores, lout, lu-iner so ciasily obtained (mostly in onen workings like stone quarrises) is very chap, ant, beiner aliso near to abmmdance of eobal, is usal in the freate phantities there stated. It ix inded merely an imbutad fermanoms mud eontaming from to down to only 20 pre cent. of iron.
PRODCCTION OF HONSTONE FRUM MONES INDER THE CODL-MINES REOTI.STON AOT.

| Countics | 129. |  | $\cdots \cdots$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Tulls. | $\begin{gathered} \text { Aberthee } \\ \text { liver } \\ \text { ler Tun. } \end{gathered}$ | $\mathrm{T}_{1414}$ | $\begin{aligned} & \text { Ayrige } \\ & \text { n'riove } \\ & \text { jmer Tus. } \end{aligned}$ |
| Breesm | (if) | $\cdots{ }^{5} \quad 0$ | 60.5 | $\geqslant \quad \mathrm{d}$ |
| Conamartlo-3s. | St | 70 | 213 | 70 |
| (ambluerlanal | 1,037 | 60 | 761 | 60 |
| 160thigh. | 2,713 | T11 | 651 | 70 |
| 140toy.. | 5.719 | 62 | 11.823 | (3) 0 |
| tranmerall. | 20,472 | ¢ 0 | 29-53 | 70 |
| Lincoldr | 78.047 | 311 | +4.187 | 30 |
|  | 23, 139 | - 9 | 10,563 | 79 |
| Nuttimblitur | 111 | 611 | 750 | © 0 |
| Slırepolitre | 100,600 | 50 | 131,11\% | 50 |
| Surthrstaturdahate. | $4 \times 0.400$ | 50 | 1,699.07 | 50 |
|  | 91, $131 \%$ | ¢ 1 | 60.401 | 111 |
| Wiswerk | 1,53 | 74 | 4,230 | $\checkmark 0$ |
| Werserator | 12,544 | 81 | 7.511 | 107 |
| Curhalite (E. W W ) | 81.66 | 10.9 | 67.148 | $10 \quad 0$ |
|  | $4,400), 4 \cdot 1$ | $\because 11$ | 5.395 .942 | $\because 11$ |
| Tutal, England. |  |  | - $323+4.345$ |  |
| A) A ¢hte | 80\%.69\% |  | 553.309 | - 0 |
| Lumblartiat. | 115,399 | $\bigcirc 0$ | 90, $=0$ ? | $\cdots 0$ |
| Ethalurati | 70,891 | 911 | (it), 12\% | 40 |
| Fifonlure.. | 2.980 | 911 | 24.46 | 110 |
| Hadilongtisi | 170 | 911 | -75 | $\because 10$ |
| Ean lamark | 16:n6it | 90 | 12-53 | ! 0 |
| Wiont Lamark | 11!, 吅 | $\times 6$ | $55,1-6$ | 80 |
| 1 111tlignw | 75, 517 | 9) 0 | 95, 56 i | 1) 0 |
| Parthatare | 8.175 | 90 | 16,354 | 3) 0 |
| lioutiow | 1\%3.42 | -11 | 174, 33 | - 0 |
| Stirlage. | 8,1:3 | 9 u | 31,580 | 40 |
|  | 1,321,59, | . | 1,235.597 | $\ldots$ |
| Gramd TutalChital kingloms | 7,569,918 | . | $8,685.032$ |  |




 the matal proluced was t.atiotio toms, value








'The smotent irm-manars wore umable to work

 the prime amb quantity of tho Nomblialing ore
 impore material.



 dons wot combine with the asvern of thiv air of


 arn that it mat only lhann in air i.r. combints
 will take oxyen awne from mos of it-rompunanls. Hotably fran the metallie oxiles. 'Thiv antiont of
 the metal in the regnline or metallic state is calleal reshetion, and the wreat reaneiner atorent of the

 asrlyt.
 hy simply heatins the pmrest alotainablo witles uf for with an easily-pepared and neaty pure fomm of carlon-viz. wordelarenal. Thrit' fumares Wher of very -imple con. - traction. barmy heath or tireHace in whichs the are and the charmal were mised trartler :thal a blat applieal (1) obtain the hecposary high tennperatire. sucli simple
 is still prac. tined in Imilis, Bimma, liarnery, rhima, Malagascar. No., antl very time qualities of imon anl -texd are than probluced.
the drawine iv a-e! in monntainon- sombtries



 lostom is a womben talue withulligue sille olnaing. b, b. 'This tuble taminatos at the toll of al low
 apher pat commoniontem with the thvere at $e$ The tank js oflerwive closed and air-tinht. It " in the nuper tank is a phor tor rembinte the thow of Water into the women thbe Whan watel dlows duwn this tube its velondty in of romes accelerated
 uf water. amb the shater leetwern beroble mate or lem valuous. (onsequently airm-mpon in at b, b, is
 retum asamat the streant, bint is fored by the rmbinger water thromeln the natrow paraare into the upher part of the lower tank, and there emalmeseat in a degree that almita of regnlation ly rasing or lowering the phas ${ }^{\prime}$. When the intlow of water is in exom of the onttow, the premore inerearen, when the onthow is in exetso it diminislas, when they are eqnal it momains oteraly, anm thos the required variations of llant are regmated.

Hoxdern bitat-fumare ato loblow tower- ranging


 uned for solting the richert and jurest mos with clareoal. amb, generally praking. the porer the aren the larger the furnaces, until we reach the maximum in the Clevelamd fistrict of the North
 Wid川limbergy.
 orlmary dimem-ano (lig. ?) as seen extemally (withont its appliancos for hatat, No.) anl (hig. B) in aecton. The extamal rings ate of stome iron, haringe all the mandry torether. The interior is lined with firembok or wher reiratury material. the thinknew of this liminer on "shint incteasiner downwards as the lieat increases. betweron the - Lirt and onter birk or stome-wnk an ammalar - race is umally left which is tillad with lense mand or fragnemtis of may to allow for shanking or expathsion of the interim. The larere fimmars hase a famhe lining with such space -amomaling eath.


Fin.:
10.ant Finnace.



 not antided to all firmaces. It merely art- ats a ehimmoy. lamang lownwarls we comes to a romtimation of this, $\because$, which is called the "therat."

 the sertime. lielow this is a lomer trmmated eoner $e^{\circ}, f$ called tho stack, "xtombine to the widnet



 whom the have buter lay the tuyere iry fwers
 tamsated in tha libulk Commer to two irom- as


Fig. $4 . \quad$ ontor one is survinumble ly a lining of llowing waterg whill Mutore ale $b$ and peapes at C . Plis is to save it from fusiom. "Ther blast is thrown in themeds thic ha the tobe ar. Emenw these is the curible where the molten metal rests on the "hatirtlo." The elarea of orr forl, ant lime is lat Sightly alteral in hallo matil it reatelos the lashes at $f$, and the lownwat wirdaners therefure asonsts its alement ami the charimer of the walls; hat helow this the combust iom lurcomes su atetive that rapid montraction of bulk wents and the fomaco is shaped acenolingly.
 lig. : ermmerted with a hadramise lift, by whitlo the reater is raised to tisn level of the thenat.
 abl somb fumates are lmilt at the side of atopio hill, with the throat nearly on the level of the hill. tur. In that which is pietmed the trolly- wand or tramw:ur, $\%$, is luilt np in atmont half heizht to ment the rining inure tulae of tha hatrandie lift at $l$. The matmial ehaperd into tla furname arm are

 (1) the imparitis of the ane Jime is Iscil for this purgume. It remblimes with the silie:a, amb


 and form the "klin, "or bure propery 'rimder,






 ruantul ta rex

 amd the limetame is matanly mand in kila- to







 hontler parts of the limaner the widn of imm, mens






 wide gra that rians from the indamberent mase

 with oxyern when beatod, amb forme rarbonie di-
 by takiner awiy tho wrom from thas ovila of iron. The livermentrons fomed liy the ilistillation of the coal jublaly conpreate. The pumes irom thas
 of tho [atalan and ather frimition faranoms. 'Thor
 the earthy impurities of the ores. 'Jher latls of these imprition is limally remmed ly the thas, hat
 action oceurs at the foll and hright red-lont region



 phosphoms from its surmmotins, the sulphor ame
 from the ore "flame, thomeh miachinemom, atsist the wok of the hat-fmanas the? lower ery consider. ably the faninemoint of the imon. the pare somer

 appears to ultain its catmon is emrmas. (artmone


 nthor hali. Trakimes two Pguvalants of carmonie
 the "hange may be represonted thas: Siy I. I،owthian leell, whan has revoted an immen-e almont of costly lathon to the imvestimation of the romtents of varions batis of thas hast furnale maintains that this disomiation nowars at at mom laser temperatmre in tha hant-fimmare them in bevilles apparatos, fus-silly owiner to the help of tho iron in rombining with the ihecnlent cartwon immodialely it is than sequaterd.

Iftar thene change are completad, fasion spemat ily ardars in the rapindrecontratile region of the frumare amd fimally the whole ambonts of the

 fall inte the rameihte as twa diatinet latals, ther



 tion, amb thin romtimus antil the matal aremmolatex

 which stopued a chammel how at the hat (om of the
 lows in a plowing stram down longronaturls in a












Girphllar C'atlaty
-110いけ

Alphlar

1

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| :---: |
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|  |  |


 nuttlyd, and white, and commonly numbured
 down to Vo. st the evmeme white dias pide-
 thi- -thesure: whete bie is cratalline omb voly
 pote in mainly das er the different comditions of the carlone In the gray it is marly all momon
 comhined: the mottled in intermenliate. It in rancy




 imon is latitle in jupnttinn lo the implation it embtame. In its ordinary comblion it is nejther
 smperios patity of retined imm mat he rembemb
 caーturas dire now laraty mat.

Whe of the imantrant inmporement- at matern

 varioty bi wem- for heatimer tha hano have heen

 are brateal by a flame or hot air morommbing them. The leat is w-nally obtained by utili-ing the wate inflommathe waces that formerly hazed away ta




 form the interime of the furatere Thar wont cabmmom at these do. siore- i- bly 'enp inn
 Whote" is tha* roly that phate tho an" ning of the truncitwl ramp aboser. Thate chatere is fitrdmel intu thim in. youtcil mone and restlisemer till the elip is lowerel. when it fill- armand tha "ald In the fizone the formaer is shown chered. The intlam-
 de-tinution.

In ondon to oltain ombinary mallable imon from





 imporitas that requase ramosal thi weatment



 prolithaty to purdling. is -hown in wetmon in















 nom is ran into as latlow hearth, amb there athomad


Fig. 7.-Finery.
to comb ami thma ry a than silicato, whicla pa-ily

 hrocrileed as 'plate 'iom.



 more thoronghly.

The phodling furnace, in whirl the pmallims prosess is cmatuctend. is shown in reptical sertime in fin. s, where of is the lireplace, fo the


Fig. $n$ - T'udding Furnace, vertical nection.


























distribute the lumpe with a loner inommond Whan the mehtime is romplated a becivier from har, that tened and hent at the workingemb, in used. This is called the rablale and with it a siewoms stirring of "ablding jokeptup. The work is wory evhantine and the men work in tums, the forehatal tahing the critical part of the procens. where sreater hill is domambed. As this proweds the - offace of the melted motal heromes further acitated
 firs -upericial, dexpro and derpels, whtil the



Fis. 4.-P'udding Furnace, hurizutal section.
Biting up thathe of hae tlame from the hareting hablas. This llame is manly due to the limming af rathonic axide. The buther rall, thix the - lwiling, and now the forehand worlio the rabhor with great energy. As the rable lecomes onftened at the wowher rom and heated where hodd, it is mandly phased into a trongh of waters and exFhaned for a mon one. C'arefol olservation shows
 or rebbers alom the bitmon and side of the furnitce. Preantly the meltal mans thickens. notid pramber are formed amilnt the liquid. This the
 i-ts in the sepabation of infurible from from the
funibles silicates ; the widation of the silien forming glasy silicic acin, which comblines with ovile of iron of any other lasice matemial within reach.
 next hasines of the poddar is to wede them

 granules torether into a sumey mans or hall. At this stage he lowers his dampur and hocks the dranght-hole with hampo of coal, in oriler to rmbelog the mase of expesed grambar iron in a smok reducing atmondure. This pewnts minons axidation or "ciltiner," as the puldere calls it. Bookleamed erities have peinted to the dense volumes of smoke which then isule from his chimmes, and have acerned him of igmont wastefulaes in the anommption of fued. In this rase the illiterate himef-fued pudder momratands the themy and the phatice of his work, and the learned line gentle. men are inmome of hath. The hatl in now aivided into partalle dimension- (mandy into three), and i- rapilly dertited to the hammer, where it is sumed tightly at first, lot with eradnatly incrasing force an it hoomes compresed into shape. The three halls may be united, commonly are, ani thos beaten into at "pudter hats' During this heating, or - himeling, " liquid cimer is spumed from the mass like water from a ponge. More and more is someped ly sulserpuent compression in passing the podded har thromgh rolls similar to thome slow in in lig. I0. It lirst anters the large bole of either the sature or the round set, and then whila still redhot gawes successively thromgla smaller and smatler
 thin splueaing ont of the impuritios is continued. Thus, if it is mate into huiher plater or thin - heets,





Fig. 10. Liomghand Fininhing liolls.

 juint, lont le wom thin mischief is dume. fur if the
 romainder af rathan is momed, and the iron itedf then oxdism - hamt irne is the result. This is
 "Sille int the misht of the ionn.
 ...on of andation problaced hy the atom of air on

 It wis atterwath - Fum that hage pathtitiow of心. thir oxide of irom in the fettinge. The writer lat
 harnatitu and lathrimu rahbiner ; and ba- therehy



 ration firm sulpher and phapherm: widation



 withome alow oxidising the hom beelf. "Phe writer"s
 very lath pigetom is that hiv prompormants of asilation f! fes washing: that lae washes the Pramblo of irom in liguit and hatic cinder, at the


 Tha sulserpent - Muraing ont of the residnat


 His imprsilitity of rementing al! the -ulphur :umb


 ment that wrowht inon contains nu patically bugertant guantity of athom. This orror is not
 the elomitiry of their watk. They haw that some
 the irull itwelf fom wiolatinn when beaterl. It
 or loss, aceording to the quantity of siliem, whinh,
 more efficient protector. This in of geat fratical imbertame now that the lememer amb sicmons. Wartin brocemes, formerly meed onls for makimb -Ted, are applied to the manntacture of a mallualye iron by jushiner the oxidation to it momom limit. if this limit is exceeded hrittlemen insteal of thorlmess is the result, and a mi-take in the direes. tion involviner certain proton- of such a -trueture an the Forth lriblee miont he fatial on the whole, in "unthing is stromper than its weakent part. Fim
 Stekl, and steel. And see Folximiti.
stathotics as to the development and present position of iron manofactures will be found in the articles (ibeat
 the processes of iron manufacture, sece 1. $\mathfrak{L}^{2}$ Nder-
 illy of Iron it Bhat-fuzoteres: Jiduerman, The Metulluruy of Jous: Sir I. Lowthian Sell. ( Wemictel Phenoment of Iron simeltime: W. Fairlairn, Iron: Its Misturg. Pro.
 stoel aul fital C. Hoare, foon did Stal: A. K. Huntington. Meletw. then Propertios and Treatnent: Irom.

 F. Overman. The Menwheture of Imom: J. Percy, Metel. luran: Iron med seal: J. A. Whillı1s, Menmal of Metal-

 Fiptrie, der Eisenhüttr": Dr Karl Jartmann, Pratisehes Mirndbuch dor stahlöpriention; A. Hitter von Kerplels.
 stahl und E゙isan; H. Wedding, Nif Metallurnit. In



 eolonriner matter of the hamalecmplacten of all vertebrate animal-: and, atcondiner to the best authoritier, one part ly weirlit of ion in fomme
 'fuantity of thiv metal in the bond of a man
 the presence of ism in the lilowe that comammi-

 wxilte. 'Thas a-hes of hail', of himes' feathers, of the eontunt of wes, of watric juice of milk. and of mont animal thaink, contain trate of iron

Nothine is knewn with certamor reatiling the clemical eondition of the ison in the aminat haty:
 and peroxide in arteriat hempl. It is intromberd

 the expremosits. It in thin at fomel rather thatn at nowliopne: bat when ath insutheient shantity icontatimel in the mutrinent. wr whou from ins

 Deconare necowary in atrlitions. The iront that is





 in muertain: hut it in mont phenhable that the





 tions, and in mant emblitima of datility the -alt -

 phated ly ieverinhers. The forms in whell iron haty lee prearibed are very momerom- and lam condiderahly in their ntility, suraminer tor the reatines with which they wat taken mion the the




 "itrates (especially the citrate of irm and quinine ),
 WITEIAS) may often he grescribed with :ryat and vantage when the patient cammot hau the' abministration of ion in its ordinary mealicinal furns.

Iron Age, an archaromical term indicatime the comlition as to eivilisation and culture of it frople $b$-ing irom as the material for their rentime

 three agen of stome. Bronze. and lan. bint it Jith to he remembered that thim sequence is mut man. sarily trme of every port of the bath s -bafare, for



 Withant the intervention ai an aqe ur lomoze. In Furope the imon age may low detimed a- inmblime the last stare of the peliotomice and the tise of

 Goldt montlwards. the comamencement of the imm int wan very murd earlity in the wothron than
 in the lammeric proms, was then in the tastavition perion from laronze tw irom, whila scandinatia Was only enterin? her iron ane abont the time nit
 to iron in central Enrope in esemplitien in the
 near Cmanden. Where the fomm of the implement. and weajum ui the later pat of the homze ate
 -romp of inglement- amb watmothe immo ate Hew and the tran-ition eonnllete. The eally iron
 induence, flomgh these lecome abmalant fowamk the mablle of the jerionl. The datation ui the

 the openiner rears of the Christian rat but it in ascreed on all haml that the las divi-inn of the

 inm int lions lamd was supermented ly foni-tisults The irm ate in Furone i- eharaterioen by forn



 weapons atre no longer mast bint hionmmed into




 -





 Fonthror bettoms, liv Kemble, ehtad bis lathata and



 Stumlinucin in the Pot!"! Time (sumth Kens. Dandlnok), ly Hans lthdehrind (Lomd. Ss:a).

Gron Bark Trera a mane givon in Antalia
 tionlaty $E$. Primifore, or lied limm, on aceomt of the evtreme hatimen of the batis.
Jronclads, a tem tios applied to womben

 Hetences for wat sallay smplo thave treen in use in the midhe abe: the thating bateries unal at

 from. Sistematio defore of this limd were adrocated hy mumem-writer in Framee, America, and England, eatly in the both renturs. But the first resular we of irm amom on the sites of shipe "ar when, durne the Crimen war, the French mate and sent to the blaek sea thontimelattentes "ith atmonu ta in. thick. In $18: 5$ the french
 The lira british ratunge inomelal was the
 heck to the water-line: hat. as irnn wat the material of whel the dip was hailt. 'innelad lowelue rather at minnmer. The term is atill em-
 hardette-shin. Ne. wen if the hall and framework are of iron :me the armour (whelh in the Cotherible is from 16 to 24 in. thick) is fated with steel (as


Iron Croms. a Prumian arler. institutel on Marehlo. als. ha froderick William 111., to be
 mate of ion to conmemarate the grim fions perion at which it was areatent. The decomation
 silver, amd is wom romal the nedk or at the luttonLole. The medre was revived lay Willian 1 . 1 m 19th July

 at deriaive batthe, ar the capture or have defence of a fortro.

## Iron Crownt La Crown. <br> Iron Giates. Ser binctie:

Iron Mask, The Mas wom the, The somy of the pionner and eal. conlinal in the linatle
 lomer had it romatitic interent for the walers of hi-bory. The tirat motion of him wian pisen in at

 (") whind, he wat the boke of Vommandio. it Hatmal om of Lomi SIS and of Mdlle. de lat

 it with impmomment fir life. 'lhe :anertion wan withomt fomblation, for the buke of Vermandon.



 "an ratil will all tha mane avidity that it was




 where lar win thaterl with ! ?





1769). He brount forward the Ms. Jommal of bu lomea, the lienterant of the batille, aremoliner towhim saint Mas artiver, on the tshb september
 ins with him in a litter a pivmer whom he hat atready hat in cumtory at l'pmenol. 'The priomer's
 kept cometaled ley a man of blath whet. The jumal mentions his death on the loth day of Xownolur 1:03, and that he was lamed in the cemotery of st lial. This is embirmed be the
 where the prisoner is mentionel mater the nime of Marehiali.
titer lomes silene Volatire retamen the
 foward nothing new. In the aremth edition of
 anew, muler the heal Ahu, comected his emmis as to time from the fommal of latomea, and amchated with the asmance that he knew more athont the matter than grillet, lout chowe, as a Fiomehman, to he silent. In aldition to the artiold, apprently lay editor of the work, ireely stace the opinion that the Mank was an ehder lemther ai hanis XIS. The writer dedanes that Anme of Anstiat hat thin am lay Duhe of
 anpmeal harremos, hought almot a moting with
 Lamis is helal to have fint leamed the raistence of thi hother when he cane of and and to have put him in continement. to suarl againat any

 the story of the montunate heing, and pints. to a metot matriage hetworn garal hate almil Cartinal Mazarin. What is remathable is that not the combt but Lomain contimed to manifent int interest in the matter, ind tow evory mestas to keep the indentity of the piomer in the lark. When the bastille fell the prianers rom wa caserty nemelbel, and abo the prom reginter; hat all infuiry wate vain.

 tries to make ont from a dorement writem los the tator oi that muformate pine that the lron Mank wat at twin-hother if lomin XIS.
 family fomin a donde hinth, imb to awid this Lonin Xlll. caused thr hat hom of the twins

 of Mitarin, and that hother, hange diomeroul his selation to the king los mean of a purtrait, was subjected tu perpethel imprim,mome. This Vhe of the matter yan the ome ahmot miverably prevalent till the time of the lionohation. It is
 in fommiers drama, fumbel on the story In
 if the birth of a twin hather of Lomin Xil. lat history and 1 latt rewnien ferman were

 trighe of Smue of Aitria with the buke of bumbinghan the daten make the supmation

 in lizneral.







the lrate Jia-k was a minimer of the Imker of Mantuat. 'Thin mininter, limat Matthomi, Hatel





 the tremphers, contrived to have Nathlabli lamed










 to lestre litter domber on the -mberet, and the publice hat afprorenty matle mar its mind that the wompt wan at lint dineamamb, whan at all hare recont




 thee myterdon- priabser. Thin Italian adventnrer Wan riont in lionerol six wams after the Ma*k
 limbrol when catint Mars remosed the Mask to the liay of ('ammpo aml his 小enth there was never
 hat the moster!, the man in that mark, rpoke Fremeln with a tompien abeent, wan wer the milalle


 bown ancepled at the wwner of the famons: Nank.

 we shonlol alomst aty he hal sucorerom in proving that the Dan in the Inon Dask wan the mhonewn
 wowhing in seoret for the inxamilation of lonim Alf. Aml of atmar of lif aidme miniaters. The
 shlifee will he monemtum when it is -tated that















 whtoral in the rorivior of the pari-h of ot loml an























 -rwing-men, amb tapters, athl sholl hint of felloms
 Faid tollamplent, and the solding her wathered


 finl amb wo other fear at all. Soutal diatinetions atal religion conformity were mater onhortinato to completerne amb homesy. Detter plain men than mame: lat lent to have men pationt of want fathfin! and romarontions in larir emplowment, "rote 'ronamoll: and elewhere "I have a lovely company ; fon wonlid reverot them olid fon knosi

 And hi Imonites mibly justitied their captains exprotations. It Wmequy they rhared singing
 Mantion of the C'araliers, endared the shock of

 liammotary amy was next rombanimed mathe mondel of 'romacells hrigate, hat it was sith that atabhand salour of the lromishe in the loft at
 emshing vetory anl matically rlomed the war. Truly thoy were never luatem, salal fommell in
 they worn riganed agrand the ememy they beat "-ntinualls.

Iresildon. "apital of Lawlence connty, Ohio, on the Ohan livor, 142 miles athoe limeimati. It is the chat lanintos centre of an innortant ison

 1'nle ssit.

Ifollwood, a batme hrotosmad in diblerent





 Na'. ansl in funnrtal intu linitan in small pranti-





















lromworl of the indand－of limorlon and Smbosna． The wood is red in colothe，war beatio，kbotlo，atm


 Hogre－is mamed lromsomel amed alan Mollomot by
 heary that it sink in water．It is extensively
 tural jur｜＂いい。
 name apdied to at tignte whidi emablan the operaker

 sion．or，to－peak mone acenatiely，between the thomght which he evilont！小onims to expess and that whal hiv wom poldery sinuify．It may la
 as the contras he hat is mome propery a weapm helomsing to the armonry of controvery．by means of whibl wright amd pinint maty be ahled to tha




 Whable it reds are one lis one withlrawn，and the Whole i－emmpletry molermined und reems to sink ly the weisht of it onn abobrdity．Of this rate art in monden literature thom is mothan worthy oi comparinon，sate the Promberial Lettoes it
 ley in one of the most mafortumate attempit－at its
 is the bamish thendogian and philnapher，kievke－
 mat in refatation amb chamition，loat in clean demonstration of the thath anee the fathay has benn expered aml orethown．Tif what may bu

 the folliew of amother to remare them mone extravit－
 nltimate prolit：anotlar，mmore the mak of friend shipe bambors to tho wisher of wme delated man to lasl him to lais rain．In sheln pirit Timon



 homent mombl lifo，in the inmitalate rellection how
 with the anteongont hame and feas．＇The caln

 with a fenial sense of the dmmb irmay of thimes an it recoranises at lant hat life late lumen little more than at vain ponsait of tha phantums of vonth． Ind alike in the lowad ametat of biotory we time
 felentlen hatal of deatiny，as in the simal and

 the hramar，which mont he at fathful maser of
 In admirabla amplitifation of this thomeltit an ablibed to man uf the greatost framedians of all




 the Smarimat damily．It the beginminer ait the 17h century they inchudal the Nohatwho，hamitian，



lemeeforwat were homw the the sin Nationn． Eately tribe mathay its own athars，mbler its own －atrhems，and it commeil of tifty seleme net ammally atme di－pomad of qumbibins atheroting the
 the sachoms，were of equal rank，hat whowed
 form at lameditary lands，dexedoed leaderslip in time of war only．The comforlerathon was fomal loy the eratiem mettems in prosemion uf the master pat of the freent－tate of New Yorls，lat Sis the end of the lith comtury all the thibes betwom the Athatic amd the Dlisoisoijpri，amd frome the it Lawrence to the＇remmeree，hat busat bromsht mader its intluence．With the loutch，and after－
 mantained friemdly relations，wen toking sibe with theib allies diomer the levolation：In the Fremels，on the of her fanm，they were hittorly lonstile，ant their emmity lad ant important villont in rlacking the prowti of promel inlluene in Nomth Dimerien Dfter the lievolation the Wohandi－eqused into（＇anada under domepla liant （4．v．）amb are mow settled on two reservations to the north of lake Firie and Ontario．The
 of the＂lonearoms hate fomblat abome amomit the Nomanks：lint most of the buedar alle settled at Green bas，Wincom－in，mome of the semeens in Weatern Xey Jork，amd the Omomolatats atill bohd

 they till mmber neaty hatf as mans，most of thein in the l niterl stater．shools and mix－ions have met with comsilprablesweces，and cibilisation
 of this sumathable comfeleration，while some of their momber hasp attained to diatimetion as cobliers，enginesers，心e．

Irrinliationt．When a hrisht ohjedt C lanker at，an Hasero of it i formed on the retimat of therese The revedingepparatus there con－int－of a manluer
 and for the masimmm distinetroco of visims no ont of these rement－shond be at all alfeeven bis －timabation of its neighhomm．li．however，the abject be brilliant the fangern the retina is vers

 look－larere than it in．Vixamper：himht white




 －
 its attemmaterl filament．（tu las almost lilled witl liarbt．

Intrationall Numbarsa a torm alybliod to



 is at imational！nombler．Iratimal mombera have
 surable with mity．＇They ate almo termed suma．











Ewenty-far. l'resions to the Jutiny of Is.s. mont


 in eharge of wings, and a lientenant enhonel in cinn-
 alfutant, ghatermaster, and smemon. Many of these oflicers held other aljminthents, rither eis il or military, duriner peace. lont rejomed their reniments on the mothreak of war. Gmly some severn or

 only three Euromean otlicers, commmamant, secomil in command, and adjutimt, attocherl from the remulatre and alrawing high rate of pay. The mranisat. timn intronneal inta all native resiments after the Mutiny wise to each cavaly remiment nime Euro. fean oftere from the Inmian statl Corp-viz. the commandant, fomr shadron commanters, and fome squatron onticerv (one thes adjutant). Thes troop oflicero are natives, ant there is a native aljutant. An infintry battalion liaveroft Euromenn otlicersviц. the equmamblent. two winsemmmamlars, amb fise wine utlicers. of whon one is the adjntant and anmother the drartermanter : the romplany officers are natives asml there is a native atylutant. The Corpo of (ininle of the Pnujalb Frontier Faree, consinting of six trompor cawalry amb eight companises of infutry, has- fourteen Furnpean otticers. A native battery of momatain-artilhers hath a commanmant amd thees shbalterns, all british, with three mative otheers umber them. The notive sappers amd miners hate a burner extablinhment of british ollicesse, and

 native oftion- who live in the lines alonerside their men. hat in semarate gmatero. The liritish otheres exereins a general syotem of mbminintration and shlervi-ion, and liwe in contomments penerally at shme diatance from the lines, except when on vervice of in campl.

Irrigation (Lat., 'waterins'), a unsthom of pronlucine or increatine fortility in milo ly an artifieial amply wi watre: or hy inmalating them at stated perionls. Irrisation was pmathly tiral remorted to in comntries where much uif the land mast ot lierwine have remationd harmen from domphat, ats in Enyb, where it was extemitery prationl nearly 20no years heme (hrist, and wheremat mystems of canals inn artiticial lako wore forment for the purpase. Extensive works, intombel for the irrigation

 other barte of the Eatat and in such of these montries an have net antials last theis ancient


 vail. Thi i- patimolarly the dowe with rive, the
 orrigition prevalil, chimety in the -anth, whers it was extonsively fotetionl liy the limhans: and it is mos exten-ivoly fracti-ed in mortlurn laty, aml

frigation in laritam, wharoit wathamelly fatined till the ! ath century, atht in mont parts of E"norpe exarpt laty, is alamet expla-iwn mompored for




 of irrisationt ilhas. list in the montrien in which irrigition is muat axtensively prontined tha for


The irrization of lathl with the mwarn water of
 liguin! manmer. la no small dernese the water of

 su that the alplication of it is not in prinume
 hanne in mime that the mere almudanere oi water itsolf is wi great impurtance for math withe most valmahle patats, ats the mont mutritionas sulmances lrought into eontare with their roots ate of mo bee to them buless in astate of solntim: Whilst it is an atditional recommembation of irrigation that the sulply of water most fivomable to the granth of
 in many places maturally encmalner the owil, as lesith, limom, 太e. The water which is nocel for intration shonk he fiee from mut and fuch imporities ans medanically dong the pore of leaves. (14 cover up the hourts of planto, and interfere with their erowth. Irrigation in far from leines mextensisely proctised in (ireat Britain an wonled reme desivalie. There are few farms in the liritinh Indes whidn wonlid not give a bambone retum for artilicial watering in a thy year-i.e. if the water conlal he whtaned and applied at a reanomatile cont. In many instancer the fuduce minht lee increased twe, three, or even fourfold. The manme of monsture which farm crobs repuige to mane their fall develobment is geater than woulal be reanly conceiverl. At loothamsted it was fomm lix Lawes aml dillert that an acre of wheat in lise months and eighteen lays evaporated though its leaves no less than mins toms of water. Lisht
 soils, with a little admixtme of elisy amb mati, unathly monst of all. Except in tropiseal conntries, stifl retentive clay would not as a rule be leneliterl ly irrigation, and might le injured hy it. at ans rite for arable farming. Thwomgly drainage, natural or artiticial, is a necesmary aceonpminment of mecessful irrigation-nceessirg so that the suil mas not lecome • water-losgerl, but lenetitel by the water percolatine throngh it. Soil wholly or batially macovered ly regetation is liable to be robled of nitrogen by the rain ar irrisation water Washing nitrates into the drains or lown layomi the reath of the phants. This is aroined in ertane land hy the roots of the gratson engraing the nitrugen. Irrigation maty benetit the land in various ways, mont manly (1) hy softenius and hio. intexratines the sull in pereulating throngh it ; ( 2 ) by lurining adlitiomal plant food into it : (3) lọ facilitating the misulving, peparimes, and distrinntion of the phant food alreaty in the wil ; and (4) by the oxidation of any excen of ormane matter ii the soil, leading therebs to the fromuttion of
 extent of water-menows in Enghadi is atated to lee mos more thath 100,000 atcres. They are monelly conlined to the west and subuth of Englinml. Indivjubl farms, irrigalol with roway, watel, are to lo met with in mans pats of linfland, lant the
 Great Initain is to le fommi near lílinburert,





'The methods mant mentrally jumand atre what





 whether it is loyed or mat. liy the liat syatom the woil is satmatiod with water from lablaw.
 of vital impmotate : in lsou the total armaf abe
 eant the principal now of irrigation i- in the rice.

 derment on it, mwine to the seareity of the rame fall. Whis is trme abor, to a mreat extent, of
 hambrals of miles of canals and liteles have bran eonstructed in mblition to the mining flames utilised for imigation frymoses : the ath a remolt
 sluctive farmine conntry. Dlare recently irrigation
 canald from the drkansac livar: althomgh bere, is
 the wateronpply is ohtainma from arte-ian wells. In driama, alon, it is exjereted that wide tracts now monhatitable will he reseded with the atd of irrieation.

In An-tralia irrisation on an Ameriman seale, and acending to fimerican mothorls, has transformed hmmileals of thmsambs of acres, onte envered with sernh, into luxnriant vinevards, melards, and oranceries, especially in the luwer hanin of the Maray. The importance of imbat. tion to the ('are is matiod in the article on that colony; and the inrisation works of Jndia amb
 (ris.) in the land mont entirely depemtent on $\because$ ytematic aml carefal imbration.

Irritability in lants, a term employed to designate phonmment very interesting and courions. but than which nome eonnected with veratahbe life are more impurfoctly molerataml. Such are the phenomema nif what is u-mally ealled the sheery (1. $\because$.) of plants: the motiom of the pores of many raptoramie jolants he means of rihat; the motions of some of the lowest dlem: thom cansed ly anitation or he the tonch of a foreian boly in the leave of semitive lelant- (リ.v.) ; the nutions


Irritation is the term applied to any mornind ex.itement of the yital actions not amomating to intlammation, and it often hat not always leads to that condition.

Intisht, a river of Sileria, the elisef atlluent of the (hin (1. N.). rives at the eant end of the Altai Jomotains, p:ases thromgh Lake Saisan, Breaks thonerl the Altai in the west at the botom of
 the steples of Wexten Niberia to join the ohi from the left, at kimamo. At that point it has a


 on it latuks. From dpil to Nomembry it is nati sathle fomm its month as far is latie siaisan:

 shiftimg eanward. Its lmathown trihotatio are fle buchtamat and (Jum fom the right, and thr Tolvol and lshan from the left,

ITHII, a town in the Apaning provine of Saipmzana, on the Bitationat, near the lepentels




Irvithe a moturnt of frimhire, on the river Iryine if mile from the liath of clute atml ll

 heen implomeal sinme 1473: am! there ane rhomical





retnrns one member to parlinment. It was the birtliplite of fialt amb James Jontgomery, itud has momorios aloo of limon- aml the buchanites. lop. (1stl) 459t; (1s01) ! 0s6.

Irving, Finw ind, was lum in the town of
 teen entered the muiversity of Edinhmmen la lsio ho became a seloonmaster at llambington, in Jsio at Kirkealdy, whete three rears later he was lienosel to prearb: and in 1 sig he was appminterl asoistant to $\mathrm{D}_{\mathrm{E}}$ ('habmers, then a miniotor in Glascow. Ilis semoms dicl not prove very propular : Chahmers homself was mot satindied. Jn lswa Iruing arepital a eall to the Calemonan Chareli, IIatton diadem. Landon. His success as a preacher in the metrophlis was such as had never previomsly beom witussed. Ifter mome gears, howewr, the world of fa-hion erot tirel of lring: hat it was not till his nome strikiner sinendarities of opinim were developred that fandion fimally deacted him. It the chose oif lxas he hegan to annomme his conviotions in resarl to the secomi premomal advent of the Jond Juns, in which lie lat hecome a firm leliever, and which he lectared to he near at hamh. This was followed ny ley the tramation of at Sbuish work, The conumy of the Messimb in . Mryiestyenel cilory, boy Juma Imsefiat lion Eave, whith pmifessed to lie writtern ly a 'lutistian lew, hat was in reality the
 ductory prefare in regimed at one of his most wharkabla literary perfomane es. In lsos appeanoml his Momilecs on the Sermements. JJe now legan to elabmate his views of the incamation of Christ, aserting with weat emplanis the doretime of his ancuess with ins in all the attributos of limmanty. The language which her helat on this

 Christ's nature. Sut he prail little heed to the alam thas ratate. He was mow derep in the staly of the propheciso, and when the nevo came to Lomblon in the waty part of $15: 30$ of erolain extramelinam manifonations of proplatio fowner in
 Hemb. Hamasod, worn, hatled in his mom satered demins for the rogenemation of the grat babyon
 and satirined hy tho pros, the wat meather. whe strowe alown all thines tu lae fathent to what
 new womber with a prosinnate camesthes. Natters vomb cathe to a crivis. Trving was ar-
 amd consieted of heres, ejoeloal from his mew
 lepuad in lasis hes the prestatery of Aman, whielt latit licemad him. Ilis defodere if himself on thin lant meanam was unte af lis most splemadisl amel mbline rthorts of aratory. "Thor majority of his
 form of ('lari-tianity wa developed, wommonly known ats lrwingion, thongh lroing had really very litte lo do with its deveropment (nee
 aftor his lecalth fabinl, amb, in aberlienco, as he heliereal, on the Sbirit of (ion!, lae went downto











playing at Elinhurgh for nearly thee vears, he firat performed in Lomdon on Scptemper en, biso, at the Princess: Theatre. He ablieved hat a monlerate socess, thongh some hramatic batios Whel he gave at thin time at ('moly llall were watmy commented lis the criticm. He next played at dilagew, and then for nearly five years at the Banchester Theatre lansal. Atter a lirief encare ment at Liverpmal in libig he afmed with MisKate Terry at Manche-tor in Ilunted Homen. An invitation to London followed, and he appeared at St James.s Theathe with mach momen ak Ihoricourt in The Belless stothomen. Dorntom in The Romet to lain, and (at the (bidety) als \or Chenevis in tomle Dimes Imoting. Jerformance at other Lombon theatres followem, and in 1570, at the Vimdeville Theatre, he mald it histinct mark as Dighy tirant in Alberys emmedy of the R"o Foses. Migrating to the lyeemm in November 18:7, he further admed to his reputation by his tine reprenentation of Dathion in The liells. "ther impersonations anceeded, inchulins Charles 1. . Engene Aram, lithelien, and Lonis Nl., mutil, on the 31-t of Uetolner lsit, he reated remume interest hy his momentimal perimmance of Himblet. This shakepearian materpace ran for two hondred mishta, and. aldheng the fublic were diviled as to the semeral merits of the represphtation, full justice wat olone to the actor's alidities, and it was naiverally almitted that Mr Irving had ertaldished him reputation is a tragedian of real power and wininality. Amome other necesses bonler Mra Batman* mantwement of the Lseemn were 1 Incheth. othollo, limburd MII., and The Ligons. IWil. In December lsis Mr Irving enteref upon his memmable management of the Lyeenm Theatre, where his trimmp hive heen
 cession of romantic dharacters to lis reportoise Aiter performances of Mombt, othello, and The
 as well as histronic excellence, thi- popular actor :ulpeared in 1841 in The ciorsitet Dowtlers: in Lomd Tennysons drana of The Gup in 1 sul ; in Rome
 1ss2; Twelfth Sight in 1sat: W. 1. W'ills's Misein in 1sio: Foust, adapted las Wills, in lang: The Lerend Hecert in 1ss9: King Leer in 1ss2; Bechet
 de. Since 1853 Irvins aml his conpmy have repuatedy been receivel with enthasitan in the Finted States. He wan liniohted in laty, and
 certall mannerime of mice, fat, and ponture, lie is undonthedly it tho heal of comtemperatry
 the stage from formality and modiocrity. She works on truint hy Janphllattm (lout), Feenerice
 geralu(159:3).
Irving. Whaminatos, wat bum in the sity of


 anm reamed deavent from Willian bamay








 beine prearion-, his bruthros sent lim to Enrope:



an Bumbh fry. It lime he was intoximated ly
 painter, was tmopted to lueome int artist, limt thought better of it. He vinitm limis, the Nother lande, and Landon, where lar salw John kemale
 Jonk in improwed lealith, and was adnittol to the bar. Thone were "Corinthian dass' and be leen a rather idle life ; much in society, and greatly almiresl.
His first writing was in the Buelmeguendi, a semi monthly sheet in imitation of the suchetur, conlucted jointly ley limedi, hix hrother 11 illian, :und J. K. D'andding. It ran for twenty nmmbers, and then stomped without explanation in the fullness of aceess. There was enosilemable merit of a -uperficial sort in those early attempor, but thare was no evidence of a serions literary purpoe, for the prapers apparently were written with a view only to social listinction. His first charatmintic work, and the one ly which he will be hest linewn to ponterits. was if Mistory of biu Fork, by
 reaters of English know the litter man in lineeloreches and cocked hat ats one of the permament figure in the gallery of literary portrats. The IIstory hats -mine srains of trutli, hat is olvenly it
 of Xanhattan Island. The hamomr and the gavity which mank it are alike irreviatible. It mar he anolited if there in in the lamgage a mome delightful or more $\}$ berfectly-sustained pine of arollers. Fealers of Sont will rementer hi- wam jraise of the book, written while his sides were sme with langhinge, In the United states it was uniser--ally reall : and wo ilhiling has heen the impresims that it is far oftener froted than any ander historical work. It is to the Anerican peende an real in ite way as the 'ilymin's I'rofress.
For many vens after this Irving was in partuer. Ship with his brothers in a mereantile homese that hioh relations un both siles of the Athatic: lint in the end they were monecesful: and when later he hat won lis place atnong :uthons and was receiving at gomi income, he sujputen two of his lirothers and five niece, with musellinh devotion. lu Day ish he went to Europe for the evonil time, and dif not retmon for seventech vear. It was in lsls that the misfortume of his firm colminated in bankruptey, and theneafter he turned his whole attention to litemare. It a dedined liferal uflers for magazine work, and wombl mater. take mothing that was to interfere with hiv plans. The lint mamber of the sheted Bowh : Mpeared in New York in 1 sl!, and the last in 1s? It was receiverl in the Enitelstates with maimmal delight. It - carly succes in (ireat lintain wit largely Iur. to the jowerfal support of scott. . Th the pieces in this miscellany have a certain cham-if for mothing mone, for their firitoms twath and purity of st le. The chief intwert, howera', erntres in
 :and - Westminster Ither: The lant is one of the
 though perhats a little ludhing in simplecty. The two legendary talow ine in way melated on the



 - ${ }^{2}$ and prondord in the ('niterl statos a literary work on







Traceller, a work which he thonght his heen in regarl to style, but which some conviler to lu: over-refined.
In tseb he went to span and lowan the lome and ambun statios whel were the fambation of hiv more important serinas wors. There were


 quetst if sumen (1485), Muhnmet ind his shecessurs
 named were only aketched or partly written before his return to the frited stites in 1832 , hat they are given together with the gromp of wheh they form part. It was lrving who first revaled to Enelish rembers the ridi stares of spanish history and momane : and whatever may be done to correct or enlarge hiv relations, to him must he given the main of having pronked ande of the most faxcinatharghona existence. lle han intended to writo the liitory of the compuent of Mexico, for which he had wilfeeted materiats, hat wemensly, and
 cott when he leamed that the latter panmsed to andertake it. It the end of this sojumen in Spain Irving was for a short time secretary to the 1 nitari states L egatim in Loudm. On his rethan to him native city ( $1 \times 32$ ) he was received with great enthasian. He dedined politial homoars, and contimed his literary work. Having male an exmmion in the thes for West, he publimed (15:5) - Tour on the Proiries. In the same year
 state . Abong. Ile was also it work upon the last of the baks in the spmanh series. In writing Astorice ( 1530 ) he wis issisted by his monew, his fnture bingrapher. The Alemines of Centenen Sumeville (in the Revey Momatains) ippearel in
 written abont this time, though mot pmblished until 1849. The remonded for his own residence
 of his lemend of sheme Hohlow. This become well known in atter years imber the name of sumyside. But hiv intemded retirement was postponed lis his apmintment in 14t2 it Conitel States minister to Shain. We retumal in 1446 amb the more set himsili to work. Gohdomathand Molomet appeand as alreuly mentioned; thon, in 1sion frelforts houst, a misedlang. Hi- lant work was the life


Irving was never mariod. In has youth be was betronded to Mins Hothinm, a lowely yoms lindy of cishtera, dimghtar of the liwser with whon the pusmed his andies. Shatated from her by her matmely death, he remainen ath his life fitithfit to her memary. In lif worlis there is to he mberved a delamey of fereline towame woman, a chivatrons Nefermee at woll as tomboms and athetion. Ito
 infored ly them. In his youth he was well matile

 ant luminer chamentise his writing: lant above all, lar hat the power to mize the attentious of cultivated rablors hy his keen whervation, his

 him fame, and the whe when from lif-thatios in spath, ate the hest, for in then lis genios is
 athe, but would mot have "isen hime the high rank
 lomonable life amb, an the whele, though inforion to one or two in ghims, for mat le promomond thas far the mow Gumeroful of the writols of the


an excellent short bingribly foy Charles Dudley Warner (1s81).
Irvinsites. See Commolic and Arostolic Cherich.
Isatic. one of the llelnew pittratelns, the mon of
 Mis story in Centas make him lom when both hiv parents were absameed in age, and die at
 and Esan. The Midranh theribes to him, in allusion to fien, xxis: 63 , the institution of the afternoon prayer.

Isata- I., Comsenus, emperor of Comstimtinofle, was the lirst of the Commeni who attanes t" that dignity. Under the succesoms of baxil 11 . latate served in the amy, wiming the luearts of others and men by his pholenee atm upriphtaess, and on the deprisition of Siehael VI. in 1057 was clevated to the throne. He extablinhed the linames of the empite on a somoler and more stable fonting, and, braving the patriarelis threat of exommonication, even lain the clergy under contrilntion at the tax-allections. he repelled the Hungarians attacking his northem frontier: and then, resignine the erown (1059), retired to : convent, where he lived two years longer. He was one of the most virtums and athe emperors of the Last. There are extant from his pen seholia and other works an llomer.
Isiare II.. Axambes, emmected throngh his mother with the commenian emperse, becme onereign of the East in 1185 , and reighel ten reas. bata was a ribious and cowablly prince, amd his rign was a period of war and tomult. He was dethromed, hlimded, ami implisoned hy his brother Nexins in 1195. Eipht vars later he
 of six montlos, when lee wate agian hethroned, and sum after he dieal in prison.
Isalbella of Castile, queen of Spain, bom on 20n April 1451, wis the dimghter of lohn II. king of (astile and Lem, and in [469 marriol Fertinand V., surnamed 'the C'atholie,' King of Aragon. See Ferinsinv.
 of spain, the eleder himphter of kerdinamel VII. see sisum.
Isabey, IEan Linplowe, Prench portaitpainter, wan hom at Nancy on llth April 1767, and stadied mulor David. He piated purtrate of everal oi the motabilities of the levohution, as siant-Inst, barere, collot alhorluis, and whers.
 and patinted him ind most of his gencribs, and impurtant crents in lis life. After Nipmoron's fall lachey worked for ther hurbon mowelgns.
 bainter on foredain. His'labueys hat' ( 17006 ), 'Weview of 'lomp ley the Finst ('onsal', (1804),
 and 'Stairease of the lamis Musema,' at watermolour ( 1817 ), are his mos impartatht componitions apourt from jurtrato. Ile diou at latio, listh April
 historical painter.

Isertas is, lik, Womkwoth's cuckor, 'a veice, a mystery', for, hanish we have ten of the fifty
 of the fate of his life, amept hat he jumand the mofesion of prem l-writer in Athens, athe that his
 in 33;is f.e., st that he may he said to have liven from the time of the lobonmanian wire to that of
 eal sperdes, or aporhes to be delivere! in pmbtic suits, but exploswely sperdes for private suits.
 iner with rise of inheritane, aml it is fortmatels thane of his speecher which deal with thi hamed
 tho -thlent of Aryan institutions and of rompras itw law, as well a to the ethent of Jthe law, thery are invaluable. To the general reader they are Ifos interesting, for the wery nature of the rase in

 elompence. In the other hame. the funetion wheh he diecharged in the hiotory of bireak matery as a branch of literathe were of the ntment importance. and explain the fact that he was ineluted in the "ranm of the ten great tireek orators. It wat thomeln lains that the change from the ohler stale of Laias to the new whol of whioh Demosthenes is the areatest repesentative was edferted. he imitatwh lowis. amp was himseli the teacher of lemostlens. It will he remembered that Pemothones list speches were thomendivered he him in his eflints to repover lis inheritance. this inandla of the baw in whill leans was acknombealged manter. The elaracteristics of
 nerting link are to lue spen in the matural tones of L-Mas contrateal with the technical kill of the pofosonal grator which along with highor giftmativ hemothenes. The importante of this contrat heromes apmarent whan it is remembered that
 by Athenian law to yrad himalf on lwhatf of his
 hy his riont. When prech writing lirst lecane a profesion and a branch of lidmatu-i.e. abont the beginning of the lidonmmenian war-there was a prejudies in the mind of the arerage Athenian juryman againt the 1 we of ofreche thus written, whish math it do-iralde that the - beech shmald have the anpearane of beiner the speakers own compoition. In alaptime his stylu. to the character nif hivelient for the time beine Lysias was urivalled. Bue the time of Demosthenes the pratice of lageraphy was so u*nal that attempts at diemise whe le-s netessary : and the spech-writer mind diplay all the tedminal skill of uratory withomt arm-inir anticion. lanas endearont to imitate the mombenmal and
 concealine the hof of the adrowatr: his simplicity is exagrerated, his smonemo hase nut the eareless ease of Ly:in-, hat an murapofal nestivence. it the sume time we fiml in lim the erme of that comhanation of partion utility ame antion lownty Which waw afterwarle to matk the buw erbonf.




 greator wealth of colour. The oblote piomeos is


 greater Ibrhew prophets, was at eitizellof dern-alam,

 sthere till at leat the clow of the erntury. Tha




 the whale worlil and ite forem. From stella a dan
 means for thin wa- prement in the oreat woll furner


 of trae relligion mon couth were inhentite with the contimame of lemers national history, Jaial pro. nivel the survial of atmment, the stome of an
 whole werd convertel to dehowah. Thiv crmment mulued a leader and a mallimertame: :mb it was
 hope reathel their climas: that a grabt prince hould arias in Indah-thomeh sometimes he doceriled the fature without this permmare and that Zion, though iboely he-ieged, shmald remain inviolate.

In the hook of his name. the propifecies senerally mimited to be haialis do not li.. in Chromoncical moler. They may be re-aranged aremating to the fom invaionco of lateothe : Tiglath-

 (1) In the propheries held to be prior to the tirst incasion (ii.-x. 4 : some add x. 5 -3t. and wii. 1-14) Isaiali describes hio call, ambinns lath atates of larael, intimates their invason, lint with a ditlerent rennit for vach. To north Inatel he holis ont no hop": in the wost that can hapmen to

 almoxt immoliate. whom he haik as a reliserer from the Assyians. hat his aseriptione to whom ate applied hy the Xew Te-tamont and Chribian theoluy to Jewn 'luist. 'lighath-pileser retired taking only a suall part of morth brael eapive. (2) In fropherie of the next invation (xwiit. and most probally x. in-xi.) laviah repeated the lomm of moth I-riel. and his word was vinlicated he tho fall of simaria in $2 \boldsymbol{2}$ and taptivity of the prople. He wamed Jodah : gain, lut defied the feyrian to take Zion, and expmied hiv prospet of the coming pince and the !lomy of the mation. Hezekiah, hiv friend, was now on the throne and their joint work of alowhing the illols may have lumm. (3) Jlomet the invarion of $711-10$ there is dithculty: Shil it comprive Julah? Sayce, Cheyne,
 wii., anll xavi. I, where they wedl simon for sommolirib. But of an invarion of Jnilah by Samon we have no litect evilunce and hence uther crities ( 1 river. Cohertom simith, \&e.) ascign to this frem ouly xx., xxi. 1-10, perthas xi. 13-14 the row of xr-xri. lemor arlier), and the event-in xusiii. and mxix. (4) With 70 - the revolt of
 and comadierib: prearations to reduce them-
 phasing. In xxix. xasii. har demmere dewixh intrigure with Explamedict the sioce and deliwe


 !erhap xvii. l!2 11. xiii., sis., vi., sxiii., he intimates to a manhor of tribe the futility of their ronintame to leveria, aml allime that only Xion


 -hakeln to demand Zimsic -mrember. It was this
 srat dianter to the main arms it leflasim, att


 Wii., the pani" ant prilligary of the capital at the


 suxii. Jfar this tamph in for it is wry mo retain that wo have anylhing more from laina,

called hi- "-wathombe. (If hiv rall we ham mothing: a tralition exists that la wan sime to death in the perecution of Manameh fof. Biptle


Tharestill temains it latge portion of the lank of
 and al. hav. The tiast doulto in to the amphenticity of thea were sated ly Aren- Bara, and followed
 wem of hater detr, and aftar him ly an incmenans. and now the main, lusly of atio sin the Contiment
 Ewald, A. 1. lbandsm, 'heym, lriver, lablertom Smith, Kumen, Wellhamen, de and to a lex degrer, Welitashl, Brodenkamb, Orelli, de. Nocritic of any embence mow cham all sixty chapters for

 Graten that the title of clape i. covers the whole look-an opminn fakifiest ly the aymamere of titles for shme of the following chaters and their absume from wher. Nome of the ehapters in fole tion, save xiii., claim to lie latialis, fom that they are not his may be arghel, alat from the mareation and confusime tetmony of sty voralm-
 ciremataner and horizon of these propheries athe entirely different from those of the anthentic orater. Anyrit is no mote the dminant whild-pwer, nor Zion the inviolat" fortres of (find. The dows ane not in their own lame they are either in exite or just retumed. It is momore the repmese of the invater or the reovery of hion from sipge that is. predicted: but the overthow of the tymat in his own lam, the relemptim of a captive people. the layime down of a highwig for the return of exilen, the rebuilding of the eity, and the remmb. tion of waship. Exile is mot foretmla, mor the effort made to lift the imagimation to it as certain. It in lexcribef as present : the peaple are aldiement as in exile, their comsionce is apmeat to as the comsenene of a perple who hase sutiemed and acknowledge their penalty. In the eane if xl.-lxwi. there j an alditimial arimunt. In anme of these chapter ('yms, who alpeared ahout 500 or mome than a century after latiahis death, is not only natum to the indiverer of the exiles, and teserimed

 to hivancient promiss of delisemace and his ability to promm them- (yun- i- perented hoth to few and leathonas: liviner poof that these promises are abmit to he baltillen-which surely would hame
 alrody there visible to all mem. This very delinit.


 homian aptivity (xaxix.) or that he one wrobe frim
 in lin man loy (xi.) It in grite prosible, thomer

 eontain at lemet prexilio froments is mone certain: wi. ! dvii. 11 implies that the dewish tatestill

 le pant-rxilia. Wiminally in the dowinh ratmon the
 fact whirh serom- tombirm the latedate of at leant path of the lawk.

 and the pront writer (in "Rapositur's boble, (sen);



 was bum at Ahas ( Eure et Lome) on 30th Nowem-
 rate at the Comit of Casation in l'anio. Here he
 himself in "pmoition to the lisetoration gumenment. Alame this time he gieath embaced lis



 alme interesed himalf actively in the combition of the liberated slaves in the french liest hetian colmaies. After the July sevolution of 1830 he wis
 elarted a member of the ('lamber of jheputies. From this year down to 1sts banbert hetohged to the Comstitutiomal mponition, nimalising himmelf as
 The chief literary pometines of the bater part of his life ate Ehit Phlegiour de la Fromer at de TErmope (1s43-44) and Mistoire de Justimen (1siot). Ilis Pendertes Irmenises, a collection of French haws, ediets, amb mandines, from 1-sa mwank, was left mominhet, lsambert died at l:uris on 13th April $155 \pi$.
Isambulat, or Isaxbmbwasa, in the mortheast of Natal, on the left hank of the Buffalo liver, 110
 $15: 9$, the hiritish camp, comprising fom compromies of the 24th, with it matios contingent, nuder
 ts.ow Zandin in Land Chomefondis alsence and ahomot amihilatet. The lititiwh low exceeded soo, that of thr Kulus 2(til).
Isatro or lem, a river of linaria, rise in the
 whemally in a north am! math-ats dimection, till it
 and Landhat are on the hamke of Fer, robling rapinly: ' Hohemlimen (a...) in - 0 mike away. In the first part of its roures it is an ingetnous minntain-tonrent ; and even after it leater the
 'flantities of wool' are hatiod down the beir from the mombains. Areat of its dathate basin, 3545 -1. 14.


 anil savage, like their hatior momatanes, and neenpined themedes pimetpalts in whery and prary. At lenuth their depredithoms amb these of theid
 that the doman proment, $P$. Seniline, wheal then into therir momatain fantames and corered them into suhmisnion in ati ber', for whirlo exphit
 the lamitan bete mot sulumal. lomper, in warring agamet the Meditemamen pitates, drave them off the seat hat they sum retumed again.








 latter rated wer the empire of the laint for the es


Is'rhial (the atminent Remeriat and l'ithereser), an F-latid on the nerth silde of the entance to the Bay



Where uf -hmmer rewart. hamar notend for the exal Henow of it-warm mineral watom, the great ribhers




 ly iwo earthuakn stoneks. I till mome hematul
 the tuwn was utterly oserwlalmem, only tome or tive lniblings being left samlins, and com or tive thomsand peranns lout their lives. "he inhahitants grow fuits, wine and aliva-ail, and eary mothoms. Chiof towns: Ischia (2- 11 ) a hi-hops seat : Casa-


 all sile hy gatens, is thely situated. ling feet

 It is the chief tumb of tho dintriet called the salz kammerent (9.8.). The-itmation of Jahbl, aml the
 ionu vi-itors ammally, imeludinse the Anstrian masal family, who haw hmilt a villa. Abont some thin uf alt arm mandiactmenl here every year in



Inerghenn, a town wi lwhimm, 10 miles by rail V. hy W. of tomotrat, hats limen and lace manafactures. and a pop. of 9520 .

Ineo. Lake (Lomus shimes), a lake of Northem Italy, - ituaterl betwem tha ponince of Jevmano

 islames, and is fed ley the birlis. a tributary of the l't.

Isires a mepartment in the somtheast of France, round which on the supth ind west thows ther river libnes. It was formel ant of the ancient province

 Hurfane is level in the nothewest, hat liecomes


 the lhone, is its left-land tributars, the lsere,
 llows sonth-wentwards to juin the libone above Valenete, after a total eomire ut lad miles (loz navigable). The problucts inclule wheat, wine. stone frnits, melicinal plant-, iund lampl. (heese is mater: and silkwomes ate rearel. The depatmont is rich in minetal prombets: iran, coal, and turi are workel, and to at low externt marhle,
 monderahle fartieularly in the manufacture of

 The elepartment emotaina fomr arrombermento, Giremohle, Jat Tomrdu-Pin, st Mareellin, and Viswne: capital, fiemolle.
 Wiatphalia, i sitmatem on a tributary of the lahar,







 les walla, hailt ou the revk

 earthumake, is the neith of a hi-hop. I'op. $86 \rightarrow$.

Islamati. the son of Jhallam, lis Ilarem, the
 of his life criven in lientes lar was driven all lifeen from lis fatherg honser atone with his monlere, and



 Whatmonal as-erted his denernt imon I-lmatel, and thas Whatmmedan doctors lecelate that Inhmat, amd
 the seent of this aet from Moriah in l'alestinte tu Wommt Irafit near Mevea.
 Napquette on Lake Superion, and she mile N. of (lheaso hy rail. Jarge gnantitits of imn one (a red lematite) are gharied elow has, and the town
 the miners are seandinavians. P'oje fisto.
 one of the mont distinguisherl eerdonastice at the heriminer of the 7 th century Ino was hom moset probalaly about ifot, either at swolle or at lorthagena, where his father, sebrianns, was prefeet, and he sucreeden Liamber as Arehinhal of seville in the rear fion. 'l'wn of his hrothers, Fobgentius and Leander, were, like hime
 lsinnees sucreson in the sea if toville. 'The eprenpate of bibore in rambered motable lis the
 in 614 or 619, and at 'londen in fins, which were heln maler his presibeney, amb the cannos of which may almont he said to have formed the hasis of the constitutional law of the spemid hingomes, both for chureh and for state. dawn to the great eonstitntional ehanges of the lath rentury. Ile alwa collected with the same noject all the secrees of coumeils and ather ehumel laws anterion to his time. His death. which recumen in


 his hodsine, exlorted them to montmal fortwance ame marity, prayed then forsivemens for all his onn shortemaings in his dnts, and directed all his property to be dintrikuted anomer the jome. It the cights cumeil of Toledu in (his, the epithet Eye gins was applied tu hins, and later l'ope letombet XIV. permitted the otlice of St Isilore to bomerten in the miseraal chureh with the antiplon - 1 )


Isilore was a voluminous amil lemmel writer in az Latin ornate rather than gure, aud his persmal chanateretames high for its simplicity aml goodmess. His writims inclumle Etmmologies or Oumins treating of the whole enele of the seiences, and showing wide reating 11 the tireek and Latin classics; Lebot Inforenturnem site do formbe-


 De Eectestestions atpoiis: S'mon!mme do letmentultone




The stamlate alition is that of Arevallon a vols. Ato,












the animal. The nerescition of monden eommerer have how ere jed to the divenery that the stme



 from Maranhan), som, irom the East lomice, Nen York, ind Cibnalia. 'The eommercial varicties of this material are manemos: and hesides thon othere are oreasimally met with, ats the Mraillo. in thin make: the Praty, which is the mont remarkalde di all. feembling yrape of a madi-d Imown momm, erowing from at staight thiek stem, being the drist wa of the simbia gigos, a large fi-l common in the monthe of the Amazon. An inferion kiml j :also mate of ond-smonds and soleskinc, wallicient! gront, however, to be need in
 speaking is mot (Batine (rar.), hat a wombelatineyiehting tissure its value hemes enhaneen bey the rave with which it is alntrated from the mon-
 nopacary fur semating and protying the galatine from the skins, de. of other amimals. When sepat rater, however, the sulistames are inentimal in rompuition. am, if pure, are molistinsuishable from wach other.

Isis, the name appliod hy Lelaml, Camden, se, and in the form liw hy Hisden (14th century) to the upper part of the river lhames (I.v.). For a lone disemoion of the orisin of the name-a clawiciset form perhaps of the 'eltic uisgr, 'water"-see Notes mut therics for 18se-st.

Isis. an Egytian godless. The deitios of ancint Espt might lie male or frmale, lant in neither ease emald the Exytian wordipmer conceive aldeity as exi-ting in isolation: to every deity of either mex theremust he a comoterpart of the of her sex. It was to this motion that the rombless $\mathbf{I}$ is owed hor minin : she was the emonterpart of Owitis, and this fact is expressed in the statement that sho was at mote wife and siter of Oiris. Put in all such raves the eomaterpart remaine is mach less important premase than the original drity, whether mate or female. The mythongial mantions of lis acomdingly will he fomm to le sulumit nated, at any rate in their whest forms, to the myth of Wiris. In the mext place, as the ehill in the reprometion of its parent, for the father lives again in his ehildran, the som was to the Eerptian in a way idention with the father, and when, is in the came of the gools, the mother was lint the comburat of the father. the ildentity of the chited with the parents was ret morr complete, for other words, is a child is impesible wilhont parente. so it is imposible for a father to exial withont a chilat of wherh he is the fither. Hener we fimd that the
 trimites. lather, mother, anil chilil camot lue concerben eximp in redation to wath ofler (the toms
 able, thes ite neverthelesisistinet. The detite whe eomplateit the triad in the rase of thiris amilas
 [wition wompind hy this triad in the rame of
 that bight wan mu "xeption to the laws which
 stathe which are harger than mere eity state have
 of smaller mitio. The smallerstato wht of whinh Eapt ac a political whole wan formed still com-

 when beypt beame pat of the loman rmpine ju-1 ats the hombarime if atumbon Eneliah cmanty in


In Eieypt thow divinions are ermerally known onder their Greek name ats "nomes." Earh nome. white
 deities. What, however, they were homphat mater
 anll the onder of preerlence atomest the varims
 nome contimed to parat its awn lofy or trinty
 in illentifying its own deity with shmenther memher of the mational herarely. This explaine ont the one hand the statement of llemomothe (ii. (t2)
 pacept Usiris and Isis, and on the onher hand it - bibles us to molerstand how it emmes ahomt that
 at Buhastis, and as Hathor of Athor at Bombera, as Sulain, the dusestry and as the phant Vemus. It also explans why Gris, miginally the heral
 throurhout Egept. Wiris mombtedy owal his - levation in the Egyptian pantheon to the fact that le was infentifie! witlo lia, the sun or sin-and. In chaptor 17 of the Bool; of the Dowd this itlentifuatimn is expresson in the explicit terms: 'ha, he soml of Osiris, and Oiris, the soul of la,

W"e may now proceed to the mathomenal fumetions of lin. ls lning the commerpat, the sintor of Uaris, fhe was the chill of the same parents as her lirother and howham-of Sela (or, as some transliterat, it, ( (0) ) , the earlh and Nont, the sky. Tha heneficent comme of the sum acmosi the shy is teminated he his mander at the hands of his hrother set. Rat thomp the smo dies to-might, tomorrow there lives : mon la, sma, whis difierem and yet the same, in the child is diflemont from and wot the same as his father. This js Joms, who avenges the death of hise father Osiris. Within the limits of this meth, phen was fomm for lis ats the faithful wife of (Siris, who recovered the hody of her murdered hashamd, after it had harn flons into the Nile ly Not. Having concraled the hody. Fis Hed to her som Homs, imbl durine her almener Sat found the looly and ent it into fourtern piomes Whipha hat tered. These lsis eollectol and hamed in a stately tomb. The question at one presents itseli. what was the migimal meming of the msthologieal fanctions asmited to lais in the math of Unis:" And we may conjecture that the answer is to lue sompt in the orizinal lomat chamater of Eryptian leities, in the proress of jurnitication, or "shacretiom," and in the sitmal whidh grow out of
 may hawe hem a solar didys. at ampate be came
 lameal miar deity of Ahdo*, O-jris. Ite was interproted as ther sin of binic. lint Hame was in romHiot with set : ohwionsty, therefore it mast have hem as the avoner of hi- fathori, Wiris, that homs
 wits homsht into comertion with orins no surh
 fiod as the sm of liris. latit anther of his own Hathor, the heal deity ai bumbar big what process Homs, the
 we do not know: liat the comention was cepmesal


 with lise, the faresoing in which the image of
 mythologial aphamation. It was providen ly the
 the death of Wiric: 'The diamemberment of Winis and the colloction of the members ley las is :1pparenty an invention to accomet for the pallid reremonies, whiels suribe (he the pent hay in

E,Gypt. From this analysis of the math of lis amb Whiris. it luecomes apparent that the deitios of ancient Esypt were not miginally conceived in trials: lont that, on the contrary, the trinity of the youl was a later thetrine devigned to explain the yneretion which resultom from the amalsamation of the varions noms and their deities. There is yot another mythological function ascribed to lsim which requires mention and explination: she rackthe cradle of the infant Xile. Jo the Eqytian the contlict between the sum and the pawers of darkines, in the heaven above, may have hat its paralled on the earth heneath in the jeremmial conlliet hot ween the beneficent Nile with the sands of the desert. At anyrate, Msiris had the Nile as well as the smn for his emblem: and ly a not monatural womfusm hetween Osiris and Horrs, for Ilorusic (1airis in his routh, lsis was rectarded as tending the imiant Nile. Finalls, we may dismise Jis in Esept be adding that she as Neith was regarded as the patron goldess of women, ant presiled orer child-hirth.

But we bave ret to trace the fortunes of lasis in Greece and in Rome. As early as Herodotus (ii. 156) she was taken to lee the same as the Greek Demeter-for no other reason apparently than that Demeter, like 1sis, suflered a sreat loss. Onls, it was her danghter, not her husirand, that Demetor lost. This was, however, it tritle to stand in the way of a s'reek rewolved to identify his mythology with that of the ollest, the wismit, and most religions of mankind. After the time of Merodatusirolally, indeed, mot until post-classical Greek times-on the urome that the wife of the sum mast the the monn, lsis lreame a moon-godtess, and was illentitied hy the Greeks with their moon-goldess Io. Again, as Athor, las was magined to be the same as the Semitic Astarte and the Gireek Aphondite. When the attributes and powers of all these gohlesses were aseribed he the (post classical) Greeks to lisis it is easy to understanl that in the Orphic mysteries Isis was the chief and most mysterious of all groldesses. Nor have we any dithenty in recognising that the l'ans and Satys and the nursing of Astarte"s children, 太心. which appear in Greek accounts of lsis are horrowed from myths that really helong to Demeter, and are not Eryptian at all. Our two chief (ireck authorities, Diodorus Sieulus and Plutareh ( If Isid. et (sis.). draw manly upon une Hecatarns, of the time of Alexander; and we may say generally that it is impossible to trace lisis as a figure in tireek mythology farther back than the are of Alpxander.

It is in the Roman empire that lsis heeomes a mythological figure of importance outside Egypt. The proeess of syncretism was carried further in her ease than in that of any other deity. Bever function ever attributed to any drity whaterer was transferred to her, and the ressilt is hest stated in the worls of the masterions rombless herseli to the Golden Ass of Apuleins (Myt. xi. 241): ' 1 zm the uniweral mother nature, mistress of all elements,
 of names, ruler of the roms, suld manifestation of all guls and pobldesses, whose oflame makes awful silence in the shiming beights of hasen, in tha depthe of the sea, and of the world hemeath, whene molanging heing js worshiped under many forms. with many rites, and undior varions mames, as mother of the gerls, as the Cerropitu Winerva, Paphian fembs, Dictronian Diana, stymian Proser-
 Hecate, Rhammsia-hut my the natue is gnenen
 tioned hy Proclus: " 1 am that whelis, hat luron. and shall $l_{\text {w. }}$. My veil no one has lifted. Tha fruit I hore was the Sun.'
See Maspero, Ifistorire Anrirnnf: Ie J'age Renomf"s Hibbert Lectures (INEit); Sayce"s Herodentus: Chantejnc



 fiemue (lsisti).

## Nkamderoong. See sconverams.

Lslat Jose Fruvelseo ne, was hern in 1900 at Vidanes, in north-wentern suain. Barly in lite lo joined the Jemite, for some years was loethrer in
 l'amplona, and beame famons as a puther, hut still more as a hmorist and satirixt hy his writines. wrecially his novel of Friur firctimi. Exeppt Gervantes and buevedo no man had a larep shate of that pernliar grave humbur which is une of the specjal protucts of spain, and with him it spons to have lifen almost irrepressilde. Even in Juth Trimmbhent, an aromont of a maspur performed by the stmpents of his own order at collaname in 1527, in hononr of the camonisation of two yomer lesuits, he comblet altorether eontwol hii pro. ponsity to ridionle. The Lettors of Jimen the lo Encine. writen in 1732, on a paphtet la a math luctor at regovia who had wiven himoflemee, are a monl example of his strle, hut a mome waracteristic ome is the Dia frometr de Nermom, a leseription of the ceremonial at lamplona on the aceession of Ferdinand $1 \%$ in 1746, which he woute at the requent of the local anthorities. It i - in fact, an adroit caricature of the grandilopuence. pemponity, amb inflated phrase wishat on such weravions. hat his artml llattery of provincial vanity and oflicial self-importance binded the ares of the crom l'amphome, and they passed a vote of thank to him, Which he aplated to with an almirable acompetion of injured innocence when the wits of Malrid charged him with the juke. He had a hearty contompt for shams and pretences of all sorts. Friur Giermed was ainml at the charlataniom of the popular preachers of the day, exrecially the freachins friars. The decline of cutture jrembed uncritical anliences, and these aqain wamm of preachers who trich to set credit with the crowd for originality by tricks, mannerisms, and elaptrap. Isla's model, as he owned in his proface, was Iom Quixute; what Cervantes hav lome with the shan chivalry and sentiment of the momaces, he strove to do with the colgar hatlonmerips of the pmpit, and he was atmost rymally sument. The first whme mane ont at Nambid in lian, amd in three days the whole edition of 1500 was suld atf. From the king down everybuly was delichten with it-everyhuy, that $j$ s, exeept har friars. fom Fris 'rertuntio' at once leerane a nicknane and thar comsresations, they fomm, langhed at instead of with then. lat the friars were a pwor, and at their instance the lumisition stoment the fullicatim of the hook. A clandoxtine erlition of wh. ii. with the imprint of C'mumatas, as well aw armint of vol. i., vane ont in 1750, amb anther in 159,


 ing the lot of his comrales, aml hotork himoti to Bolerna, where he lived, cheorful abl mamplain ing. in prowery and ill-heolth, matil the and of 1 tisl. A lithe before his death he wote his tram-ation of Cit blas. A frimed had meed him the asert their

 but he obioned that he was mot bavil manch to attank sulh at matiath as Le Nage, and hat he hat mover read fill blas. hont afterwata, havine
 further : amused himeli with a prefare in whirh hes
 Lrave way, he at "immantial stomy ith the atyle

（who never was in spain），leing in the sule of the French amhas－ador at Matrid，met a certain Amba－

 restomal to its conntry amb matior lansublye hy a jealom－Smanard who will not allow his nation to lee manle same nt ；worl－which sulliciontly indi－

 amd［rownhel aserions raftatation in Isas， 10 which Lomenter replied in 1 sent and the controverss． laving that element of banalos which dives vitility to atemment，－＊ill maintains a fitfol exist


Hhn best ellition of Islas works is that in vol．xv．

 Fimenta ，Nom＂tre，and a full collection of his delightitul letturs．lat onitting his sermons and tramslations．＇Thes
 Warner（some say Ior Nugent，is somewhat abridged and a little vulgar in its attempts at the dialect of the Comums rastice，bat on the whole pretty fathfal．

## Isla de linos．rice l＇mos，lad me．

ISlith．or Exi．in（ lyah，），the broper name of the Nohtummeran religion；desighating complete
 will int his servier，as well as to all those artieles
 ardaned ly Mohammed the prombet．See Nomsin MEHANAS．

## Islamaloml．see Curtrmana．

 $I g$ is comate witl Ierl．cil．llan．wani momately with－I．S．ft，fonthic elle＂，amd Lat．＂＇me＂e，all signifsing＇astream，＇＂water．＂＇Thes in islame crent in thonabl confasion with lir．ishe，derived from lat． inselof）．land surmomed hy water．The latged mande of lamd surounded hy water，or parts uf them，we（outinent－（1．v．），ind the term island is nsually ractricted to the smaller．Sime ．Australia
 （irerolatm，which is posoibly atn ire－lmund archi－ pelagor Sew dminea，the next ishend in size，has only 308,000 ar｜Bu．，the diatinction drawn hetwern continents and islamps in the foutroted rense is more than verlal．There are fow lange islamb． bamone imberl，is little interion in sia to New
 only whers with an area grater than 100,004 wi

 size if Now linimet is takron in lirst．＇lho follow iner tahle hows the relative matabum area of the largind i－jamel：．

| 1－hants． | Areal ill | 1－lanl－ | AMe in <br> m1 11. |
| :---: | :---: | :---: | :---: |
| Nuw Gilltur |  | Icelasml | 3！，M以 |
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| Maratsantor． | \＆23， 1000 | ｜relatal | 82．140 |
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|  | ）． $44.81\left(\begin{array}{l}\text {（1）}\end{array}\right.$ | Haimata | I 4.1101 |
| Vessfrnlulladt． | ． 11180 | Sいいい | ． 3, （40） |
| 1．an＇m | ． 40.1016 | Stritaba | ． 18.200 |



 neareat combinontal lamd，froma which they are ramely far dintan，althom，whotimes－is in the



 The mose exemptons to thiv rule atre inlamle 101
the contimental shelf－i，eserarated lis depths less than 100 fathoms，which have been ent off from the mainland in wehloritally reeent times．With the exreption of Naulamaratr and Now Zealand， the reparation of which is umsmatly complete． the phants and animals of eontinemtal islamis ate similar to those on the adjacent continent，and from the wish diberemes dretected the perion at which separation tomk place has sometimen leen caleulated．（imouse of continental islamals enclosing aths strutch from tho shath－eant penin－ sula of each of the morthern continents tomatols the nearest somthern euntinent．The direek Arehipelago pronts from the Balkan Peninsula towards Afriea，the West ludies run from Florila and Vucatan to South Ameaicio，and the Eastern Drehipelag extemds from the Malay Peninsula to Anstralia．These arrhipelagoes repreatit monntainons tracts of eontiment which hase suls． sided，or else irregular fortions of the smbmarine platean－whiclare amderobing elevation．Profersom

 epochs gromps of great inamds necopied the sites nt the present continents，and be shons reason for helieving that the evolntion of continents her the incorporation of islamds on the great worlal ridges is still soing on，althond acompranied ly the fomation of new islands thourh local erosive action on the coart：
（teconic Islomets dise abruptly from areat depths， and show no geolonical continuity with the con－ timents．They anfar abose the surface either as
 accommlations of lava mearly as preeipitous lelon
 Nomerous shbmarine momotains have been dis－ eorered in ditlerent parts uf the ocean，whith only repluire moderate elesation or the deposition of sdinent or coral growth to appear on the sufface ats islands．The fama and llera of oreanic i－lamds． like those of Madarascar amd New Zealamal，whieh hobogically resemble oeemic ishands，alter wirlely from thase of the continents，and present matny features of minue interest，which have leeen worked out in detail ley Wiallace in his Isleme

（＇ontinental islamls have in historical times formod the eradles af wrat rommereial mations， the insulat poition riving secomity，amd the water
 throns contimental people amb ats a highway to the bobleo inkamers，whome chaser eontict with the sea makes them nations of stibos－－lon F＇loating l－lamhs，sue that hemi ：amb far the－lamme of the



Islandshiren a pirl of Nonthumberland int longlam，embaning the brante lamalo，borether


 part of Dirhatm connty．

Islay，am island of trorll－hire， $1: 3$ miles W＊of


 has a maximmo lemeth and loreath of ent $\frac{1}{2}$ amd 19
 －reval small frob－water lakos，and attains a hedicht of $1+t 1$ feet．Nare than hatif the whole atrea is capalile of roltivatiom，amb great improve ments hase heath colfected in the waty of road． making，draning，realamation，de．Ibiry－farm－ ing．stork－rainin，obt whisky－alistillation are
 land，and silver hame lam worked．In the combse
of the century the old propretors and the native tenantry have been larmely sumponded ly now. comber. Whay hav regnlar steanhat commonica-
 in 1s-1. 1י口. (14.31) 14.902: (1491) 783.
Iste of Fratices. sum Matimes.
Isle of Math, Wight, Ne. see Mas, Wigitr.
Isles. Lohds of the. See Lorms of thi: lates.
Islewortly, a Didhemex parith, wh the hoft bank of the Thames, 12 miles With. of London. llere is Siom llomee, a neat of the Doke of Nomthminlerland, the plate where the crewn was oftered to Lady dine tires. Pigh 15, şt.
Islington, a sulmot of Lombon, but so chosely commerted with it is lu form part of it, is sitmated
 (1851) 213.78 : ( 1591 ) 319,143 . It is remarkathas for the mamber of it relluma, equeational, amb benewont in-titutions. The Igrieultural Itall (1861), where the great natinnal cattle and home show are helt, is capalle of holding 20,000 people. In 1xs. Aslington was made a partimentary horongh. It remme fom members to parliament, one member for earh of its fomr dixisions.

Isllatil, a town amp riverpmet in the linsaian government of lewaralia, stands on the north bank uf the Kilia hranch of the Damble, is miles from the meuth of that river. Fommerly a Turkish fortres, it was tahen and lentroyed ly Snwath in December 1-90: rame into gremion of lasia in 1812: was assignell to Moldavia liy the treaty of Paris. Niob, its fortideations heing razed; and was tranfarred to humia again by the herlin Comprow of 1s: It has an active trade in com. wool, tallow, and hide. Lon, with the adjuining Tutelkotf (1466) 31,7-11: (1097) 31,293.

Ismailia. a mall town on lake Timsala, thronsh which the suez Cinal pamos. It stanks on the railway from 'airo tosmez and on the siweet Water Comal. DMines the cometrection of the eanal it was the healmotrters of the work, having ben fommen in 1863. Int it is now a plate of onfy 18.0 inhahitant-- The name Imailia was also given tu (iondokno (a. \%) , in the White Xile.
Ismailis. a Bhammetan sect. Like the rest of the Shiah. of party of Ali, thes held that the dignity of hama, or leat of the true faith, was inh rent in the home of the Prophet and the line of Ali, the Prephef: comoin, an-in-law, and choneon lieutenant. They aroe in crria and lorsia, taking their mane from one l-mail, whom they rerardme as the reventh and lant of the leam- ant who


 Ile was an monli-t, a chatar, and an ahbe jugurn. The Imaili- lat then un vivible lmam; inderef the shifh lout it - worlfh am! hat Intim in the mys.

 for the refomation of teligion ind of the would,
 mine the who empire to prepare as areat rewoln-
 Hin intrment wan the faith in a Hiden lmam,


 mixionario- tathat their comwers that thi comine
 ing of the kiman. The teriding of till porsime

 deny all fu-ition ulam. Praver, tithes, pil.
grimayen, lozal pmity, :und ather religima wher vance wer show in have meaning and on for mily the hlinded arowl. A bemingry was declared to twe the worlds makert The renarreefion, the end of the world, fimal juldenme and
 The mivere was etemal. Finall?, beliof was mate ahsumtely free. Hohammat, the chate Hiden haim, Madi, or Seventh Pophet, som of I-matil, was, after all, not to alpear hut in his doctrine tanght by lis disejpes and abosthes a and the dnty of all helievers was to lring the womps -mpereinty into the hands of these. Ahballalis som, Whmed, succeded him as (irand Master of the I-mailian Soriety. In his time a baloymian jeasant, Hamdan Karmat, juined it, leecame a mismaty, a leater, and at length about s91 proclamen a commmastic system. For two centmries the Kamathians were the senurge of lian and the Liast. An lsmailian missuntary ammer the Lathers of Constantine called the people to arms in Ali's name. obeidallah, a demsuldant of . No. Chalah al Kaddah, and (irand Master of the Smailian Socicty, was put at the heal of the revolution, lefint: whim the Amhlalite (s09) and the Edrisite l"wars yuickly fell: and, calling hinself a seion of Ali, he Fatima the I'rophet's danghter, was derlared (ialif and Mahnli. The rise of hin dyasty, which in called the Vatimite, in the most rmarkable example in listory of the power of religions enthasiasm led hy conscions imgntare. Enyt $(9.0)$ and syria were addel to its monire. The Kamathians recogmom it and paid it trilmte. Miserably decayed, it was mplanted in Egxpt lay Saladin in 1171 . Sce alao M.Mmbs.

Ismatil Pashat, Khedive of Exyt (1.v.) from

## 1803 tu 15.9.

## Isobars. See Metromblogy.

Isorelnobnism (Gis. isos, 'rqual:' chromos, "time"). A pemblum ix innelaromen when its viluatims are performed in cemal times, whether those vilurations he targe or shall: but it can muly funsess this propery be bege comatraned to move in a yeloilal are See Crecomb.


## 

Inorables, the Ithenian, who was born 436

 litemat tinisl conit for everthing, and matter for rety litte. "ratory, a a lipartment of literature, was in Athens the manome of that growth of litionmonss and develophent of the law-why ts which characterived Athens from alont the bewinnins of the P'alopmerian wats. The comsemont neresity muder which every thenian was of luiner able to ilefend himedi in achart of law fint fomemod the rive of at chaso of ment the sioghist whotron fereal to teach the art of amment, fern to the
 and mext, at the literary late of Ithenian juries
 to teah the at of literary form, imh who tanght hy example rathor than brept. Homer "pitete
 thotori: have existed in mher conntries, lint at mo
 exodnone ni lencrato. 'This is partly due to the

 time combet gran the atr of the pulalio, whilst el-w Where and at other times the tomber"s andience lats

 That thembther hour had comme, it migh have shumbed in wain hat not the man low thone a brief summary of I-whats lifo will low that
nather hat herisumal him for his work．If his
 that has irritated Niolnh for instaner，it is les．

 recoived an exmellent iolucation，and in his bobth
 arlinst epideiotio orator， 1 romias．Ho alanlintemed th the leetume of the philowpher l＇rodiens，aml




 mone of the tatente raplate⿻⿰㇒⿻二丨冂刂灬丶丶 in the composition of
 wimines at band in a laweant．Ifter trying hiv
 domod logrestily．If he failed in writiner practieal
 alduted hy noture to deliver his own speedies himulf and follow a politioal career ；his voice was tor ferllle，and hos was mbeh too nervons．Other people since lampates having falled in other pmonitw have betaken themsolves to suhoshmaster ins，lat laserates deserves the remelit of having heen the first trolizeoser this resomme．Alont 300
 did imberl profess，in the speeth which served ats his proprectns（ 1 fomost the sophists），to give a yemeral provetime macation．In his prospectus lar was rarefal to distingiol himedf forn such shallow pretembers as the kophicts on the bom haml，and on the other fom such umpration twalstres as mila sophers．J＇his sample of his skill as all ：utist in worls，thomeh it drew fom llato（Euthydromus， 301．1）some contempthoms animentersions on the
 the dumain intormoliate lwatwen bhilasophy amt polities，sureneded in drawiner tos him pupils what
 as Timotheir ami fatmlamas，histmians sheh ats Ephorus and Theopompus，wators such as J צatus． Lyourrac，ExMines，and llyperimes．Inpils mail
 eomme of them or four reas duration．Ite himsali


 posed ly them．Eiat hor atso wroto spexhes in．

 for amd delivered ly thes Autatan kins．Drehidamms． hat the majority，fom imtame the sigmmmehices


 livered hat to bo rirondated and rand they are

 lan－omly ome idna，ann that an utterly impartie



 the timh wi damomes ly the very lialip ow whom luncrates lowked to maje his mostrman alloretive ＂That dishmont vietory＂in tho words of Jiltom， ＂killed with report that wh man dompont．＇Ju－
 battle at the sere oi mincty fame bat it maty be －lombted whother it was the mers that killed the



 oratory of lampites what it is．And Nilton＇s trihntic to hins may some tor momims us that，in the

 rates stambe monallent．Ile has of romere the
 lut it is umdeniahly labonted．llis may lave molory，hat it is ajot to become monotomms．lle is always smonth，even where he onght to he stormy．
 protued by an artint who was willing to sarritice everything else to it，and Isorrates ly nature diol rablily ineline to do so．A ferw ohwoms armeralities amb a few moral sentiments were all that he requiral in tho way of matter for a spech imbed for many speches．The result is that havine tead one of his spercles yom haver mad all．＂Thu tuthe of momaty are indeed eternal，hat they will not hear etomal repetition．Itanl bat one of his sumenes survived，his powerty of thomsht womld merer have hoen diseovered，hut fate with cruct linduess has preserved nearly everythiner he ever wrote．lint if lowrates is ton heantifnl to be abonhtoly berfect himself，we mast mot forget that to appeciate his sorvices to Greck literature we mast mot consider hime abart from the history of Greok aratory．The demonstrated onve and for all，aml at procisely the time when the demonstration was neepseary， that prose as well as poetry may have matistic bataty，maty have rhytho：flow，and meloly of its own．It was worth a lifotimos lalome to cflect this：and if it was only in lemosthenes that this whtwatal heanty rame to be wedded witla moller am！with manlier pualities，let ns remember that it were as vain to expert the fruit withont the hlossom as to imagine that we conld have had Demosthenes without lsocrates．

The first edition was printed at Milan in 149\％．The lust edition of the text is that in the Teubner scries． ＇There are excellent English notes on the Pomonicus and
 stein on the latter and the Aroputitions．＇There is an bimita translation by Preere（ 18.4 e $t$ seq．）．

## Fsoblynamaic．Tsuelinia，and <br> Isogonic：


＇I heml ；qumin，＇an anglo＇），or lines of aplall force，
 matrons of lines，which heing laill slown on matpe remesent the magnetisn of the alohe as cexhilited at the earthis surface in threre classes si plumomena， the varying intensity of the force，the warying dip
 tion from the true merilian．Ser Ildexprism．
 ISLANIA．

Walal Grossat，or Isolal Jives（turnat on Lomer
 muminu pasallel to the cose of lahmatiat，over


Esomarisism（from the fireek wore isomeres， －（rompracil of equal prats＇），the relation letween chomical compomads whicla are ildontient in their nJtinate or pereontace composition．lant prosent ditherences in their chennioal propirties．lanmerie componnda，or isomerides，are divisilde into meta－ merie：componnds，on motmorredes，suml julymerie emmpommets，or pulpmerides．

In all metamerid compommes the moleenlar weirht is the same．while in all pelvmeribe rom pomals the molecolar wardile are simplo maltiples of the molecular weight of the lownot mombrir of the eromp．As an ilhasmation of metameribes，

 may le taken．＇Their rational formalar，which ＂jurese their pobatias constitution，are profertly distinct，yot they all have the same bererntage
 and the same molecnlar welerht（ 74 ）．

As an illnstration of polymeriles，the hation cartwor homologrous with oletiant fan naty bex taken．Oletiant ara is represented log the formalat

 centree composition，bat different molecnlar


The earbolyalratem．whiels ate reaterented hy
 －xamplen of isomerism．＂Thus，cellulose，$\left({ }_{6} \mathrm{lf}_{\mathrm{L}} \mathrm{a}^{\prime}\right.$ ，

 －ame perentase comploition，lint twire an himh a molecular weisht，as lactic acid，（＇3 $\mathrm{H}_{1} \mathrm{I}_{3}$ ，amb the sume $b^{\text {rerentare compmition，hat three times as }}$ hish a molecular weight，as acetic aciol， $\mathrm{C}_{2} \mathrm{H}_{4} \mathrm{H}^{\prime}$ ； hemee the three lant－named subrances are july－ meric．

The most recent researeles have brounht to lisht the esi－tance of sevemat suecial varieties of ixa－ merima．A tacotumoria lwily is one in which the rataction $t=$ sombe reagents in as if certain hyolmgen atomin were in one plate in the molecule，while to others it is as if the hevirogen ocengied a diblerent powtion：and a tantomeric lonly may be desmomern when it uan he jreparel in recognivahly tifherent forms，ditlering from one annther in the fosition of thene wanlerims hyhrurens．Alloisomeric lonlite have a similar chemisal structare but the gen－ metrical－ymmetry is aliferent，as in the followimg case in which the symhol I stands for the erom！ （u－11I）：

$$
\begin{array}{ll}
\text { Funaric Acil. } & \text { Italeic Acin. } \\
l \mathrm{I}: \mathrm{C}: \mathrm{C}: \mathrm{N} & \mathrm{H}: \mathrm{C}: \mathrm{C}: \mathrm{H}
\end{array}
$$

The que－tion of aremmetrically symmetrical on anommetrival arransement of atoms in a molecule hat hectum＂，in the hambe of Wi－licemun and others． one of considerahle impntance in reference to isomeri－m．Guite foonibly the allotropric montitica－ thons of some of the element（see dilouthopy）are really ionnerie diflesences of armangement of the



Isommonhisn（lerivel from the dreek wort－ isos．＂aplual．atnl morghe＇form＂）strictly sionitites similarity of form，lint it is mow rentrictal by ehemint to those substancer whith are not only similar in their coratalline form，but are absis anthomen in their chembical emmon－itione The

 crystallive in octalmentra，lant them is olvionsly nis analogy in the elemical emmpostinn of these shlatimox－；on the other hamel，the spindle ruls，


 analomen－in their chemical eomanmitish．Homen the meantmers of the latter erroupe not the formet， are traly i －mmorfhom in the rentricted serner．I farther examples we may quate the elennosta arathio，antinmoy，and tellurinum；the ehoribla，



 （t）whom whe awe mont of out knowlalime of thin －abiont－bowed，the chemical componithon of sub，
 that charaint further ebsheavomed to frosio thatt


 sthm：bumblar of atoms combinmel in the mane way


 ment is the mast impmrant aremazasation bet ：urixed at in the meiente of erstalloraphy：ant in chemistry it has leen of esentiat revice in fati－

 anomic weighta of the elementary lundite．
 highore（rastatean in the divimom with mustalked

 cothers，which wheratly lear sills．They are
 they live mainly on decaying animal matter，but many are farisitie：The fenna Tanaix sema athestral and priantive；Asellas in very comman， lonth in frest and salt water：the griblye（Lin． mota）hares into whatfunts anil shipmiles； hloter inclumes the lareest forms with ataptise

 hate very math male：：the fandy ．Egimet in－
 framonndie are first male and then female．The Onisembre aterrentrial，and feen om decayinur vegetable suater：they are monliarly lownin an
 Whith Onine
 LICE．

Isotloopista，bhrical homomeneity or amorph－ i－hn：inlentity of ela－tife formes of promeation of rihation（light，heat，ammal，or lhemity of sus． ceptibility to magnotiontion，in all directions．

I－palfine jrourly lafluix，a finmons city of Jenia，cabital of the powince of lak－ljemi，aml fommerly canital of the entise eomatos，is sithaterl on the Zenulerul，in an extelnowe and iertile phain，
 hroal，is crased by three moble lindues，one of thom long leet in leburth，with it archer，hint now sully in decas．Gimose，wrehamb，arenues，amb
 the promanent leanty of the verinity only merves to make the contrat all the mote stribinuf fotween the former yulemelom uf the eity and it－prement
 tenantles．an！many of tha palaters are desarted

 ins Armenian mettrment of so，ome inhalitants，i－ mow little hetter than a man of ruilos，since















 Wuring the loth rentury mmer Shah Nhban the







its eomet. In 1720 it was Anvastated ly the - $\mathrm{ffg}_{\mathrm{g}}$ anss, and some thare afterwaral the seat of
 importane of the pliace is likely to rine throngh the opming of the Kimn Siver, since the main ratal leading from Dohammerain the imterion of
 reliefions ecentre of leraia, as the fmam Djumatio
 :rreatent ecelesinstical dignitary of the shaite worli.

## Invald Krimposum, See Jells.

Isriels, lowef, senre-panter, was lwom at tirmingern in luat. He stulied at Amsterlan maker P'ieneman and Kimaman, and in Paris under Jicot and 11 mari schetler. In 185. hi--Willinar Prince of Wrage, oflowing the Decote of the kime of suin attracted attention in the Exporition l'miverelle. lint thic work was ahment the only reflint of the painter in the direetion of hintorical att: far he sum thenel to sceme from
 he desoted himself to the funtravil of the fixherfolk, sendines the salon of 1 sis' his 'Children of the seatent his- Fvening on the shore, In |hat his eelemated. Interior of the Grimon Ashom at Katwijk sainel for him a third-elase medal and the rilimon of the Legion of Ihomomr a and eiflit years later he was awarded the crowe and a first. Clans medal. Hore mently he lans resided at The Hagne, working indefatigaly, and porlacing a lenge series of semeplicture in oils and waterembours, perenting, mally in its pathetic aymets, the life of the lambler ilineses of Hollami. It lirst his work was sonewhat riolent in colnur, lat oratn ally it has become sulnhed, harmonions, ant lovely: hif management of the restricten tomality which lie has andoped shows the mont acemplidied artistice skill: and his hamblig is latge, vigomes, and mlatmored. Among his chief bietures may be naned "The rewineshow at Katwijk" (ishl), -Silent Company" (Rso) "Fine Wather ' (184:), am! "The strugele for Life' (1ss:3). He is alho.
 "The ' 'rathe," 'The Mother,' "The Fishermin,' ant other flaten very simple, divect, amb panter-
 withething hy Steelink (French trans. Dy Zikcken, Amstemami).

Issik-linl (Kinghiz, 'Warm water'), a lake in central Sist, in the Jonsian provine of semiry tehensk, situated, at an elewathen of onom feet abma sea-lowel, between the Tershei Natan range on tha" suth and the Kungei Nlatian on the north. It measures 112 miles long, zs milem broul, and eovers an area of l!aso sq. in. Its water is bery salt, but full of tish, coperially capp Notwith. stambing the faet that it recerives forty or anome rives, ite anfice falls permathenty at the mate of sor ! inehus a sear.



 perple wore trated with setwe mins las buth
 formatime ( 1.52425 ).
Ivondma. at thwn in the firemely fepartment




Isolle. in lotw, nama the binint of fact in lis. pute which is mhattent that gur
 sant athat in Ceilicia, Asia Minor, celehrated for
the stotory which . Mexamber the limat ohtained bure wer batine ( 33.3 B.C.) he which the camp and treasure and fanily of tiarins fell into his hituils.

Issy, a villare in the French department of Seine, half a mile sll: from l'aris, with which it is connceted ly a tramwa, posesses a minary, a retreat for old men, a cistle, mul manfactures of waxcloth, ehemicals. Ne. Pro. (1569) 12,080. llere on 3ll July 1815 Blicher ilefeated bavont. In 1s\%-0-1, thang the sjeg of laris in the (iermans, the fort of Iosy sultered severely from the artillery fire. It has sinve been reerected, and now forms part of the somblatwe lefences of laris.
Istakhr, or Stakir, an ameient city of Persia, limilt near J'ersepolis (!.v.).

## Istambonl. See cosetaytivolle:

Isthmus. in Geography, a marrow neck of land joininet two larger portions, ats the lithmas of sinez amd the 1 sthmus of Panama. The name was often employed by the ancients without any andition to icsinuate the lathmes of Corinth, joininer the lehponmesus to continental Hellas. llere were celdinated the lathmian biames, wne of the fomr great national festivals of crace. See Atmletic spolis.

Istrian an Anstrian mareraviate, forming a funimsula in the northeant comer of the Alriatic Gea, between the diulf of Trieste and the Galf of Finme or Quarnero. lithough a mountainons lamb, often swept lis the siroceo and bera winds, it fillds acellent olive oil and wine. Area, with thie aljacent islands, 1812 sf. 111 ; pop. (18s0)
 in soafaring life. Capital, lowigno.-For bora distia, see GHma.

Itacolumite. a sehistose guartzite, containing seakes of mieat, tale and charite, which are often so arranged as to wive a certain thesibility to the rock (ftecible senctitone). In Ibratiland the sombleastern states of Xorth Smerim itacolumite is the matrix in which diamome are fomm.

Italiall Arehitecture. Thin term is menally limited to the style mactised ly the Italiou arelitects of the lath, $16 t h$, amd F tht centuries, and sume adopted in every country in Europe. The style orgimated in a revival of the ancient arehitecture of Rome. Although (iothic arehiterture haw been practised in Italy doring the 131h and 14 th e centuries, it had neser been thoroneshly naturalived. The hadimathatys showed a preference for the rombl arels wer the pronted morthern form; and even in the buldings they erected in the painted style there is at extain simpliefty and largeness of pents indicative of a chante feeling. As carly ats $1: 301$ diovamil lisano, in the beantiful sentpture of the pulpit in the Baptistery at Pisa, shawoul atom to the ancient mondels. Amolio di Cembliophamed the eathealral
 a \&reat done (a rematably koman feature) over the ernsing of the nawe amid tranopt. This he did an live to complete ; but le prepared the way for
 the andient lailding ther", at that the neglected and havely kown to the latians themedrese and
 cended in carying ont the comstruction of the dome as it now stands. From this time the revival of Joman treliteetare went on rapishly. It was comonraged hy the petper and other princes of laty: amb the insention of the printing press som spreal a knowledge of the worko of the D lallian arednteets over Einople. It limt the Romatmendimas atal omanents only were empiod ind anplied to tho
existing forms. As the ancient style beame better understood its general princigles were tradually aloptod, until at length the Sodern latian strle was formed. This style may lom delined as anciont Lioman architectme applied the forms and requirements of motern haldings. It has been admirahly aldien to domestic, lont it has never been so successfully used in eceloniantical edilices.


Library of St Mark's, Venice, Ricardi Palace, Florence, by Sansovino.
by Micheluzzo.

The domes of the Italian churches ramer the interiors of these himind very impmons, and are a feature, for the intronden of wheh into the weat of Eurofe we are indebtel to this style: lut the facales of the charelle are hroken uls into storjes, and want the mity of a Collice irnat.

Italian architecture is ilivided into three styles
 practised-viz the florentine. limuan, and Vene-
 Grand in eflect : thay are indelatid to andiant liman art chiefly for letails, tha ontline bring the same
 requirements of the locality. Finmor beins: a turlabent city, every man who hat anything tolome
 ingly, the berement floor is masively lmile with
 plain. The Liman sehosh naturally rownhe mone

 In Rome the plan of including two or marotmios in ohe order of colame or pilastros witl thair entablature, havimg all attic or bow tory aluo e,
 but, as alrealy explained, nut sucerofuly aphimi to churehes.

The Vemotian style is, as might be experted in in eity long inchstonied to alegant babace. tho mot oruate ind pietmespue of the ltatian momos. Senice is conaled with specinmens of all kinds from the earlient to the latent lienaissance, and retains its individuality of style from tirst tolant. Dach atomy is marked be a seprate tier of columio or pilantors with their entablature; the windows ar ardand and omannonted with eolmmes, and the spultrils fonmonly tilled with ligures. The onthin i- vadind in form. and is nonally linimed with a balustrable. broken ly pellestals, and crownel with seulptumb fighro. It is from this mont picturesple of the tylos of the Italian Renaissance that the other comaties of Europe derived their peculiar foms. see liexilkinco, Elizheethan, Pilhaho.
Italy. The kinglom of taly compriow the central of the three great peninsulas of couthern Emope (expling the wath republie of san Hainm, T.W. torether with sicily, Sirdinia, ant sume smalfer ilambs. Knit to the sulid mase of fentral Eumpe he the Apmanes, the peninsula pojects sonth-eastward into the Mentiterranem like a mag. net, drawing to iteelf in manent times the lordhip and commore of the whale sea, and serving an the aveme ly which the culture of the bian was enried inionorthem and wentern Enopu. It the Strait of otranth Italy approaches within fow than 50 miles of Alhania. The lwandiation of the fenimabia are on the $W$. and $s$. that jurtion of the Mediteramean known an the Tyratemiansea, and on the E. the Alriatic: on the S. the Alfs stretel from the head of the Whiatie to the Riviera, and almost without a break sthe in the Kingabu from Instro-Hmgary, Switzerlanl, ann Frante. The peminsula inelf extends from to tu' $12^{\prime \prime}$ N. lat. (Monte Trugumi in the ('armian Alp) to the sonthemmont goint of Calalnia, an manamed healland in $35^{-5} 54^{\prime} 54^{\prime \prime}$ N. lat., on $24^{\prime \prime}$ farther anth than Cipe Sigativento. The extreme cantem puint
 the westem Honte Tahmo, 6 33' $0^{\prime \prime}$ E. Its wreatent lensth in a direet line is 710 miles: the hreadth
 betwern the cinlio of Sta Eufemia and Squillate, but in mot phaces is ahont 90 or 100 mils. The
 that of the iNamls 101944 miles; in win the frontier with France was returned at $30-\mathrm{miles}$, with Switcertand at 407 miles, and with Au-tria at 466 mile.
The area of the kinglom of Italy was fommoty given othicitly as $114,416 \mathrm{sq}$. m ., hit the hata nin Whel this "timate was hexed were knmu to lue

 tions were gevised by the Italime Xilitary lime


 mular Italy, with the whill what ramated in



 dom; but in yot no intailed surver hat lanim ateompli-hed, and the :usan given for the fran incen in the talke bow ato them whatued las stme hithy: raboulatious. It tlat first menemal ent जhe of the hinchom, in kit, the porphation "an








 of Ahamian athl ： 2,0 ，of of freek migin，and in


|  | $\begin{aligned} & \Delta r=\ln _{1} S_{1} \\ & M l_{k-1} \end{aligned}$ | $\begin{aligned} & \text { Pomilat wou } \\ & \text { Hiss } \end{aligned}$ | $\operatorname{List}_{\text {[SN! }}$ |
| :---: | :---: | :---: | :---: |
| 1．Alespamdria | 1． Hm | 7－0，70） | － $31 .+10^{2}$ |
| －．（them | $\because 2.4$ |  | 6at．ant |
| 3．バ心ara | －\％．at |  | 7 7－3， 35 |
| 4．Tum | 4，0．：7 | 1， 1301.914 | 1，103，${ }^{\text {a }}$（1） |
| Purnasi | 11．20゙） |  |  |
| 5．Givane | 1，til？ | －10， 122 | $\cdots 10,562$ |
|  | 4tis | 122，251 | 1346.738 |
| LIT，OR | 2．1ヵi | － 2,486 | 927．300 |
| 7． $\mathrm{f}_{2}, \mathrm{~T}_{2} \times 3 \mathrm{~m}$ | 1．1＇ | 390.76 | 4801,56 |
| 8．Bresc）a． | 1，45 | 471.50 | 201， 031 |
| 3．（1140） | 1，041 | 515.050 | 54ta． 411 |
| 10．＇bermanas | （－7 | $80.13 \times$ | 324.804 |
| 11．Hithtna． | 911 | 245．0．${ }^{\text {a }}$ | 321．5： |
| 12．2．Milan．．． | 1，12 | 1，114：011 | 1，20，215 |
| 13．F：เบ：\％． | 1．312 | tri：${ }^{\text {a }}$ ， 31 | 513，4－3 |
| 14．Sumima， | 1．406 | 1231，534 | 139．1：2 |
| Lembateris． | 3.341 | 3．tout 61. | 4．01：3．973 |
| 15．Belluno | 10 | 1．1． 140 | 1：4，003 |
| 16．${ }^{\text {ditulb }}$ | 79 | 331786 |  |
| 17．15，心ip | $61 \%$ | 21.7 | $\pm 315 \% 9$ |
| 18．Treveso． | ！15 | 855.804 | 4＊1． Sm |
| 1\％Colin． | 2.5 | 501.245 | 5inc． 31 |
| 20．Venice | 723 | 354,705 | 383.347 |
| 21．Virona． | 1，2：3 | 344， 016.3 | 42 San ， |
|  | 1.05 | Sthi．34， | 411，414； |
| 「ENいE | 197t | 2， 514.173 | 3，141，612 |
| 23．Bulownis | 1，43： | 414.509 | 4！5，213 |
| 24．Fermara． | 1，11］ 4 | 200， 007 | 2511.480 |
| －5．Forli． | 760 | －251，110 | 27.042 |
| 26．Jısicta | 934 | 2nomb | 36， 51 |
| 27．H＇：rmat． | 1，${ }^{-75}$ | 26t，344 |  |
| －3．V＇tacthza | （14） | －20．76 | 242303 |
| 20．Ravorma | 775 |  | 23：2，43 |
|  | 83－ |  | 26， 145 |
| Evilut | 8.012 | 2，103， 381 |  |
| 31．Arezer | 1， | －2：5．74 | 25：015 |
| 32．Flatel | 2．239 | 760.76 | （50） $2 \times 2$ |
| 33．Ginselo | 1，771 | 114， 20 | 1－7，123 |
|  | 1：3 | 121．612 | 126，593 |
| －35．1．urea | 544 | 254.454 | S10，4019 |
|  | 4.18 | 109，4trs | 186， 2 2 1 |
| 37 1’at | 1.200 ， | －30，吸 | 310，321 |
| 3s．心以！ | 1．4 4 | 20.924 | 2－us，104 |
| T1ッハ | 9．2：11 | $\because 2.20 \mathrm{Cab}$ | $0,301.261$ |
| 3\％．Ancula | T5s | 312， 338 | 210，367 |
| 40．Aacali I＇m | 720 | 230， 1 ， 155 | 20， $0^{2}$ |
| 41．Macerath， | 1.070 | 230， 713 | 261，171 |
|  | 1.167 | 2303043 | 240.188 |
| Hakr $\mathrm{Hz}_{\text {e }}$ | 3.514 | （8391．279 | $1,0 \geq 10$ |
| 43．J＇erwal（Ľmbria） | 3， 115 | 572.060 | 604,036 |
| 4．Kome． | 4，6\％ 4 | ¢1340 | 4 cos |
| 45．Anduita hiorli Abruzzi | 2， ars $^{\text {a }}$ | 353.027 | 3s：117 |
| 4ti．Combutaio | 1.215 | S4\％．4．4 | 291.057 |
| 47．Chinti． | 1，1：9 | 343，943 | 372， 15 |
| 4．Tיヶти\％ | 1，110 | 2.4 .606 | $\because-1.332$ |
|  | $6.54 \%$ | 1．31： 215 | 1．434．351 |
| 4！．Avalliam． | 1.171 | 3：12， 213 |  |
|  | 437 | 30．425 | 250，015 |
| 51．1＇3arerta． | 2.40 .19 | 714．131 | 73：10： |
| $52 . \times 14 \mathrm{~s}$ | 336 | 1，6（1）1， 21. | 1．0010，4\％2 |
|  | 1， 0.6 | 5－4，15\％ | 51：4，1 |
|  | 1i．20 | 2． | 6，1－2 40.0 |
| $\therefore$ Bara | －2， 2 | Cin）19！ | 151．こ） |
| 5\％）Ya， | $\because 854$ |  | $3 \times 1.751$ |
| Stis．Lump． | 3.10 ， | 56\％， | Pithiamo |
| A！01．14 | $7 \times 20$ | 1，Fintutis | 1，70．3．30 |
| 56．I＇utes\％（ Basilicata） | 3 2.60 m | 2－1．301 | Stuizar |
| 5－．Cataturas | 1．bere | 40， 175 |  |
| 5\％．A1．．．＋1．3． | － | 41.10 |  |
|  | 1．2．27 | 872．103 | 415，91\％ |
|  | 3，411 | 1，257， | 1，354， 30.2 |
|  | 1，209 | －14．3\％！ | $\cdots 7.76$ |
|  | 1，929 | 5636157 | （12031） |
|  | 1．13im | 33－4．4－7 |  |
| （ii．M，－－ 1 iti， | 1，2以 | 1＋60．191 | \＄11．31． |
| （i，I＇alutan | 1， | fore，151 | 71，10， |
|  | 1，1611 | 3211．293 | $\because \sim 15$ |
| Via．Tlapat． | （10） | 9 9 3.95 | 317．17．7 |
|  | 9， 4 ＋1 | 2． 1 H2．［M1］ |  |
| dis．（aylimio． |  | ＋6，+3.8 | 14， 418 |
|  | 3．9\％$\times$ ， | 2181．367 | 2－6．154 |
| －Mi川tat． | U． 2 bin | がッ．1以！ | 7：3．5．5x |
| Tontal | 111．110 | 2－，15414， | 30， 3 \％ 6 ，\％ |

tho prety manerons places in the Neapolitan amb Givilian provinces where Mhanian，an Italianioed Howlen Cireck，（iallo－ltalic，lowencal，and Illyman ate still in use as＇linguistic ishands，will be fomma in a piane contributed by lrince Lacien bonaparte
 estimated population at the emp of ISs）（see table） wis： $30,94,306$ ；lont this is lamed mblely on the
 atecomnt of cmisration．Withan the cinht rears



 isisl fepphation 501 in every lond were males．In the accompansing table the old compurtimenti or
 althangh thes are no longer recognined is andminin． frative divisoms．The area is neanly that of Geat Britain and lreland；the population abont font－ lifths that of the Enited Kingelon at the sanne date．To the kinghom proper most be alded Italys colonial possemsion in Ifrica．This consist： of the territurien of Assab，and Massowali（y．v．）， on the lied Sea，Keren and Asmara in Alyyssinia， and the balhak arehipelago，which embrace a motal area of nearly 4000 sq ．m．，and were united into ic colony bearing the name of Enitrea in 1859 ．Nore－ wer，Italy ertablished a protectmate for some dis－ t：mee inkind from Massowah，ind along the coast

 cotithlinhed a protectorate over Abyssinia．

The towns with a pepmlation of aser $100,0 \mathrm{mo}$ in 1ssl were Naples， $46: 3,17=$ ：Milan，29． 243 ；liome，
 13ッ，＂Al ；Fhreme，134，992：Venice，109，445；and
 lations wert：Nitules，52．3，000；lionte， $45: 41010$ ：




 been the capitat of the kingelom．

Phasioral Fiotures．－The eonlignation of emati－ un－ntal ltaly（for the ishands，see Nimonias and Stolly）may be eanily explained ；in the penin． sular portion it is determined mamby by the sreat chain of the Apemmones．It is usaral with congraplars to divide the conntry into Northem， Crantral，and Sionthern ltaly，the milalle section gencmally lwing taken to atenal betwern spezia and Ciape Circello on the west coast amd Kimini and Jonte fiargany on the eist enist．This division，lowever，emencially as regats its monthera bommetary，is farely arhitrary，amb it will be more convenient in this article，while retaining the termes commomly in nee，to learmbe the conntry mader the two divisions into which physiodly it fialls the great phan of Nonthern lably，amb the scomerally momatamous pernimsula to the someth．
 in a mighty are from Nice to＇lolente，rmminer ont
 For the most patt thes rise steref and abrupt， excent where their wall is puremed hy long，deep valleys；and some of the loftiest peaks in the system，inelnding Hont Blance amd Nome limat． lielonge in this momutamerirelle．The highest momotain ＂ntirey within the kingrann is Cran l＇aradion（13，6is fect），the colminating point of

 harelo－Vometian Matin，a mearly level comutry． which diflers altomother in character fomo the peoninalat tu the south，and for a lome perion wan pulitically distimet from it．Jont of thin great




allavial trate which tills mearly the whole of Northem Italy, helong- the hasin of the l'o: it is imicated lay momems streans and canals, and is one of the most frnitul and flomathing district- of Italy: The principal rivers are ted from rlee . Whine laker: and the Po (a.v.), whels dememh from Monte Vian, on the westem irmiter.
 tributions of numeroms inpartant streans, ramks for its colome of water anomo the motalle rivers of Eurone. It is natrigable for $3 \mathbf{3}$ onat of its +20 miles. ane several of its tributaines are also mavighle. The Alige, which is monertad with the To ley catals, is alow, althoun moth more rapiul, navigalde in it. lower couree and oo is. the Brenta; the other streams that form hown thrmals the Vemetian plain are motly monutin-toments. The laken of Sorthem laty belome to a dillerent clats from those of the penimsulat. Many of the Pos tributarie- sureal ont at the foot of the Alpo intarm-indable ludien of water, amomes which are
 (81), and como (58). These lakes are all rmarkable for their depth; Magone is reported to have
 fert. From limimi to the Golf of Trieste the enast is tlat and marshy from the werthow of the rivers, and frimed, both morth amb emoth of the mudy delta of the Yo, for lomer distances lig lagomis. Thewe hanons are in general selarated from the sa by only a narow strip of sand, with opminge at intervis, and contan -ome important hatrmur- - wels in Venice and Chionia. On the opporite cont, ahns the laviera, from Nice to Soezia, the sumb, racoed montains come elose to the water: a mese, the miny womiderable purtims of level gromd wemrime at the montho of vallers. The Apennines lut wat thi- di-trict from the reat of Northern Italy, inn from their proximity there are mo large -tram alomg the what bere. The geology of the north ind weat of Sorthern Italy is that of the $M_{1}<(q \cdot v$.$) . In the hasin$ of the l'a there ane rat momanes left lis the ghaciers of the alatial lerion: and the isolated Monti heriei and Euganman hill-, in the flan nortlo of the Alige, are of waleanic oricin.

In the peninala the Apmones are the mont important foature. The chain, after stretelhing acroses from the dinf of demba to the Ahriaties turns and rums down in a habal, irresular mane to the extremity of l'aliahias, but hater not extend into the - heel toward Otranto. It- higheot pint before it makes its. lemb is Montr (imone ( 710 feet); But the mean elevation in only -ome feno feet, and the pincipal anmat- of the range necme in Central Itals. Here it no lomin frements a continnoms ridie. bat ix boken into nomatanmatw, and shot randen, mathing in at romehty paralal direetion, and rematal lige extense mplam salleys. The limestom row of the Amonnines, ruged and cheft, till the interion of the cobutry with pixturespue manntain-semers, whith
 aud in the Neatulitim highlando exhithit is savae wrablur, that is witened somenhat loy the fertile
 In fentral Italy the main elain follow the
 the we-tern is hes abrup, and contain- momembs valloy. The culminating peak of the Apmomen



 tur Aremine- fill tho bat of the penimala, rome



 exerpt at long interath, giver phace themite, :neine: and cryathine oblints-tw reapreat, how ever, in the momutain- of sicily, which may bee looked uphats a continuation of the range (for the seology see Arexivisen). On the wost sinte af the remimilat, between the main alain and the sa, at voleanic tract extends from the isalated trachen tie
 Monti Laziali, and as far whath ac Veariai ( 12006 ), the only voleans still active. The mire 1 anmpo nian plain, the Limnan Comprogna, and the comntry rom Viterbo are mainly of voleanic origin: and throuphont this tract are a momber of small lake becuping erater-shaped hasims. The moly whanic beak eat of the main chain is Monte Vialtare (4364), smewhat farther morth than Vowsin: To the voleanic eentrex within the pminmala may Le admed Etna in Sieily, and Strombli in the Lipari hauls. Tuseany in a hilly comanty, which sehbon rives into momatas. Farthre shoth the Ronan plan, the Pontine Marshes, and the fertile Campanian plain are connectel, with mimpritant lreaks; hut on the east she of the $A_{p^{\prime \prime}}-$ nines the omly plan is that uf Apulia, which ri-us
 northeast of the Gulf of Tithato. into low, hatren hills of l'lioceate fomation. Sonth af Apmia stretches of sine-clanl hilh, wempy the comory hetween the momitins and the Ailriatice, matil the lowlands of Northom Italy are reached.

The rivers of the penimenda prement a strikins contrant to thone of the northemphans. Ilere are nu such ineshan-tible wermiro as in the bakes and showfields of the Alp, ner is the rainfall of importane are in the winter montlis ; on that even the larger lowhan rivers, except the Tiber, fall consilemally in summer, and in the somb what are torrents after heary raias often in the dry reasum dixappear alturether. The chipf rivers of the peninsulat flow into the Tyrrheniansear hat only the Tiber (fon 90 miles) and, to it lew extent,
 navigable. The lakes of the peninsula are either
 or ochly troughs among the monntam*. To the hater elass belones thamemo ar the Iase di
 a barer lake, has luen drained, amol is now culti-
 broken expet whe the (raman pomentory forme the dulf of Manfredonia : : mid on this side the only hathoms, unlen we indude Anema, are bindixi, Barleta, and Bani. Taranto is one of the hent harhmore in ltaly. A vast fertile plain, but infored with maharit, adjoins the gulf of that name: while neatly everywhere in Calahria the roat, though riehly clothed with somblem vesetatiom, is mone or borsteep, and the only pon i I lawion, an the Strait
 Sabrao, Naples, and Gaeta, that oi Saples, shelthad he the island of lechia and cheri, heing eve cially well powimed widh harlmars. In fontral haly
 diviled by prommarime which hase lecen formed by alluvial depoite comureting rocky ixhal-with the manlind : lut sill farther morth, alones the



Climite thel Joytutha. The selmerally wam
 lay the pratace of thr momutain ranes or the phaximity of the mat. IThe phan of the l'o, une th to the ice wiml from the Alge, and clawed th theme
 winter temperature of Turin in nearly the *ame at that of shatand), white abong the livivat the temperature in a hioh is, ind momelime hioher
than, that of Come or Niples. Thromphont the peninsina the temperature is lowered by the pesence of the Apennines, and some of the collest districts of laty are fomel in the Marehes amb in the Amazi mbende. Someover, the Adriatic chast, expmed 10 the mortheat winds, is colder than the cemermanding wot wast. alaly in in anderal the hottent momb, hat in the ixtreme smoth lagnat; the whates month in every provine is danamy. The hishest wherature reconded is $1099^{\circ}$. (in Ambia), the lowest - 25 F . (on Slonte Stelvio, in Lambarty): lint wer the Whale comotry the extremes of moan ammal temperature for the prind 15,0 -ss were only 46 and tie F . With resard to the ramiall a
 sections of the comotry. In the very sontlo there are hat two soisims, it wet and a dry: whereas in Northern lably the are two grater and two lemer rainy prowns. in the year, mont rain falling in Ohtoher and in suma, and least in winter. Wer all the pronimulat antumn is the wet season; lout in the isfands most rain fills in the winter months. The bewest mean ammal rainfall is in Foggia (1s in.) and Suminia ( 15 ); the highest in the Vonetian province of Cdine ( 60 in ), , and in bergano and Ninara. The distribution of mosture is very mequal, esen in listricts near me ane the (the yeary mean of Venice itself is lese than haff that of U Gine $j$ : hot in senemal most tain falls in the montans. Snow is common in the hasin of the lo, luecoming leanow is we prowed nouth, except in the uplanls, where in some districts it lies for mombls. The coll mistan blows in the Gulf of Gemon, amb the semoling siroco affects the coment sometimes ats for north an Venice. The singular clearness of the atmorbere, enhaneing the charms of builaing and of lameape, strikes wery visitor: hat in many di-tricts the exil presence of malaria, from Inly to (letober especially, forms a serions drawhack to the sumy climate. Chleed, some of the most fertile tracts of haly, as in C'alathia, have for centuries lain deserted owing to this plagne. Only six dintricts ( 'cirombarii') are altogether free from makia, and the malignant goe infests the Alriatic
 pagna, Apolia, most of the Calalmian eosant, amd Sicily ant sitrdinia. In 150 no lers than 21,033 drathe were set flown to malarial fever. In the Campagna and elsewhere, however, dranatge operat tions have hat a gome eftert.
'The whentation of Nonthen laty is in the main such is ran embure the froste of winter. But ly the lake sidne we find orage and blive trees, and the smmmer heat is sultient to riph rice and maiar, of which, as well an other erreats amblegumes, large wops are mised. Foresto of chatmon clothe the momatian, bineyard the lower tills, and the mallerty tre is extemsively grown. The liviera,
 mon laly, and the dithe palme aml mange tress are
 In the interion of (inatral Italy, howerer, the regetation sill premts marla the same featares an in
 that the Shaliteratocua hara prevals. Itere, in



 forents of athme atul the extentern mak. Only
 rak raturitr, ami higher atill the heerh: the hireh and fir and pind ine contined the the Ahs.
staricultart. Italy is preminently an arionl
 returned as proluctive, the mpradnetive trate embracin! only the lifger monntain districts and
the marshes and even these later are hemg gratually draincl. Neary half of the probuctive area is mider moltivation. the oflibial retume of the area monder "ultivation in the two briosh of tive years,
 her of acres heroted to vines, olita, mates. maize,
 and a therease in the "ine of wheat, rier. chectnuts, hemp, and flas. As reqayls their yobld, hewever, all the grain "rops whibit at falling oft; and the deorease hectame still greater in the yearo lost-89. The followines talle. Slows the : werage mminer of acres amber the sereal grain crops, and the prome, for the perion 1s79-83 : © Which wan similar to that for ing:

| Wheat...... | 15.30-6.3. |  | 1-14. |
| :---: | :---: | :---: | :---: |
|  | Acres. | Hu-bele. | 1tinsuels. |
|  | 10,951,340 | 128,200,294 | 117.30300 |
| Maze | 4,675, 40.3 | 82,000,037 | 5\%, 5100,160 |
| Watı.......... | 1,040,051 |  | 16,500.01100 |
| Bindey . . . . . . | - 504165 | 10, s: $11,1 \mathrm{Ht}$ | S, 14ic,000 |
| RYロ.... ...... | 390 | $5,054,417$ | $4.373,100$ |
| Rice . . . . . . . . . | $496,6 i 55$ | 20, 142,203 | 10,\%0,400 |

The tivegear mean of the wheat erol, which is himber than the ribld of 1sws, is empal to 11.7 hinhels per acre, of not much more than a thital of the probluce per are in scotlant. The pionduce of maize per acre, agim, is alont acven- ighthe that of the United States. These crops do not meet the meds of the limeriom, amb wheat finures as the heaviest item in the ammal impurts. In $1888-$ s9 the quantity of this ceral inportal incrased lay nearly 30 per cent., while the impnet of mite leaped
 age is manly due to the great increare of simeards, eprecially in sonthem Italy, aml of manhon limes; the redurtion would be grater that that a $=$ word deal of rectamed land has heen given up the this
 cattle, especially in the islambs. In a rule it has a thiek lusk, ind is of little use for loure: lat of late years the gevemment has male napriments in several povinces, and atso distributad parals of mend, with a wew to promote the cultivation of as and letter suited for lowing. Liow, which is Hown in very few phicem omtrible the northern flains, hats in may distriets heen givion up, batly wine to the competition of forefun rim. lint laredy beranse constant crups of it rabu-w the soil. Harieot beans are a common and in ath puts of the comntry, as well as lemtils and a smaller profortion of pease; lout the eraf, of mamon heans, hopines, wother, and th. like, on wint forage, is
 Potatnes are grown everyblere, allamothe thantity is decreaning and tomators and wrebaldesare also of importanct. Of homp (frinupally in Emilia

 Tuhater is grown mostly in the perinera of Leere, benevento, Vicenza, anil bellunt. Tho "ull saties
 harvent in Italy is merom in valiae to the cereats alone, and excome that of any wn of them. The area umber bine hav beron incomend by about half since 15:0, "omaially in Piohnomt, Sombern ltaly. and lhe istands: and the severnuent hats
 expenting comsiderabla man in dofending the vince from the attacks of tho flablowerat Vineyards
 of wine in 185 was manly ies million gatlons, or mone than that of frame (cf. Vol. N. J. 774 )-
 only 40.3 million walloms. "The Itatian wine are till comparatively par ; lat a fair quallity is pro-
duced in sicily and some other places wher romi methods are cimplased, and a com-iblable quatitity of this is exported. Biflow the tith patalles the olive in anme the mont valuahe prometa. in Xorthem laty it is of me importanes, exept in Liguria: amb exan there it is mud ben widely grown than formerly. Indeed, wer all the hingThm the amome of olive-oil porlucel has seatly diminished: in 1s $9-8$ the aberace for call sear Was nearly it million galloms, in fhon leac than 30
太心., the returns show nearly bun million fruit, alout twothiris coming from sitily. Wheh of this is experted, bint part is heed in the manafateture of conential oils. limejuice, de. Amoner the lese important fruits of Italy are the fig, geach, apricot, pickly bear, and many others. Wer 11 million acres are muler furet. The ahmond, walmut, and hazel, the samath, cork, and lwari fahm. and mach more the mollomy are all of salue. Finally, the chesthut is not only a pominent tree in the upland districts, hat fields an important article of fond: yot the we of cereals is grablually becminer more soneral. and on the lover hills chestnoterne ave giving jlace to vintyards. Still in an average year the harvet i- over 700 millím ןwntme

The extent of cultivalile land in laly is heines increavel, hoth ly deforetine and hy the reclanattion of lamiform the river- and whamp. Cultivatim is still carried on in a very primitive fadsum in sme part, hut in whers machinery has for long heen mot unwhman, and senerally momern methois are exaninge eromul. In Xurhern Italy, Tuseany, and romd Naples, indend, the damine is of a very hish character. Domble cron in the same year, as of beans after wheat, are often the mile. and it is mot mumal to eee wive-mphands where vines are phanted bentath the tree and crops of ome kind fill the sace between the roms. Irigation is more extenively employal esery year: lont tho expense attending it - we hav helpod to keep mach of the land in the hands of large owners. Severthelen: the s-steln of luatant proprotorsinj, in extending. Otherwise, hamd may he hod hy the metayer system, or by bent, pait cither in money or in kind ; or the cultivatur may he simply the pail wersant of the landord, reqeiving a share of the prompe for hi- lalumr. In any cant, the life of the Italian peasant io, as a rule, che of unremittimg drulsery ind poverty-uften of privation, and
 the Ciallarate district of Milan, and in 1 s!0 at Comelice in lemagna.

The crop of hay amd gram in lase was over 21 million thrs. Since bor there hav heen an almont constant increase in the area downed to mealow and patmes: and thim hats ben chormaned by the minister of deriealture, both by means of prizes and bey the dimibntion of need. 'In la! thare were
 and $i$, sm, ere wine. There ate no veturn of the mumber of hatialow, bat they poblatly andment to from 10, (y, to 15,60 , Northern laty is fatmons for its dairy districts, ami hateco-ajerativedaibu- have beem estabinatied, eperially in Lompardy in VonWth, and in the vallery of Sinta. The will-known
 to Emilia, Tioremzoha alon in Lombardy, amil
 *xprimental dary at Ladi, wholl phandion re

 swomingly wing to "ron in howhing amd horlines. This matter has wemisel the serione attomano of

 estahished throughout the eomatry. Alon, thene
ane wer Dow roval tation- for sallinns: and the servermment ail to home hemeng in lass exededed

Fisturios. - There arr valuble tiolvies romad the coas and in the latoms. The tumy is the mont valuable lish, and after that the anchosy and sat-
 also of importance. Tho grande pasen (i.e disleries earried on onteide the hoats own districts on on forvigu eoasts) emplosed 132:3 mark-, with som
 were engaged in the coral fishery, and 4.5 hats and sot; men in the ofonge-lishery: In lase the luats mumbered 1421, the coral and opemge fi-heries

 and of Intria and Dahatia. Soures are finhen of Thuis. and coral now almont exclusively off Sicilyand went the Sicilian hanks are rapilly becominn exhansterl. In lson the lisenvery of a new hank at sciacoa raised the tutal puantity fished there to $9,906,100 \mathrm{H}$. : in (siss it hati) fallinit to $1,290,040 \mathrm{lh}$. ln late the total valne of finh canght was athont
 The cural is sent acron- to the mamland in the rumb state, anl is worked chithy at Torre del Gieco, Naples. Leghrn, and Genom.

Mimerols.-italy contains no dejonits of bituminous coal, nor. "xcept in a few lnealities, of iron. A very little anthracite and athout 300,000 tons of lignite are raised ammally, mont of the later in Tuseany and Imbria: and peat is fom! in many dintrict:- Nearly all the iron in raind in Elha (g...), and a very little in Lombardy and liedmont. The great mineral proluct of Italy is sulphar, which reprement- nealy half of the ammal value of all minerals raved throughout the kingdom: and of this nearly nine-tentle is mbtainel) in sieily. The total value of the mineral products lecreased in
 the mincipal iteme were sulphr, t1, 160,500 ; zine
 £10,000: iron ores, £st.000: silver ores, tot,000; mercurs. tos 000: coplnir ares. tho, ono : boracic acill. $\ddagger 52,400$; and goll ores, $\pm 19,500$. The number of perams emploped in this induntry was $4 \overline{4}, 143$ in 18st, 44,154 in 1 ans. In adilition mant be mentimed the quarring of marble, wimite, and alalaster, valued at nearly a millim sterling
 martle of farara ( 1 - v.) is eftecially fanome, a is alnos the alataver of Volterra, near l'isa. See Alabastet.

Monelfotmers. - Partly becanse of the high cont of fuel, Italy does mot rank amones the wrat mann-
 of trale har panductinn are of considerable impart. ance. Uwing to ratons canse enmplete statiotios aro bot in every cave ohtainala, : hat the seat alvalue of the mamiactumine industry sempally may he ofimatenl from the incteave in the ammat imports of eoal, whith incremend nearly fivefolid
 mathinery of the comaty, acoording to its matiw
 that of arcat Britain, ant is lese than a thime of that mowed he wator. Oi principal impurtan"o is
 stris, exclusibe of thom "ryage in rearing the silh



 silk industry in in Nurthern ltaly, amd .onwially in the prowine of Come. A late guantity of atw

 all fom eneatly exced the injorta-in loss is
f $9,+60,000$. The manufacture of theall atmo of
 the mpiming and weaving of wom. The mandace ture of jute is conlined to a few lange factorise The moth is the seat of the irm inhlustry, lum
 in bernuia; the pincipal eopper woms ate at Lathom. The mathinery manfatured, indmbing that turned ont be the govermment extahlinhments,
 Whef centres of this work heing Turin and Milato: hat barhinety to the value of lutwern whe anul


 famons Venction slass. and the latter majolica, fibionce (on alled from lazenza), and other valuable wares. With these may he elased the enthing of collters and the prolnction of mosaics at lionte, Siples, and lilorence, and also the working of coral. For the preparation of fowl-stults there are, arcoring to the most recont returns abaibalde, su, 414 mills moved he water, stean, or wimd ( 29,418 lis water) : benides these there are mo les than 26,9901 mowed ly iminal fuwer. The later are chielly for dmaestic purpses, however, imi mont of them are in Sitrdinita Aront if million tom- of cam and maike are gromm ammally, and mearly 90,000 promos are employed bore or lew rownlarly in the mills. Lange gnantities of flome pintes are mamfactured, principally fom foreign wheat, whiel is hamer than the native grain. Gi spirito, mate mostly from maize, the prometion in the fiscal year 18s6-57 was - $7,324,42$ gallons ; : int to this. mint be abled massala, vermouth, amb other ligurus. la the sime year there were 1:3: heweries in operation. Small quatition of sugat, gheon, and chime also are probued: contection-
 part. 'The manmiacture of tobaco in a govembent mon!uly : in las there were 17 factomen and two deputs (it Lewhon ond sompierdimata) compleying 16,3s7 hambs the prolhetion thmontal to neaty $40,960,(6 n) \mathrm{H}$. The matpot of the tameries is ertimated at $E 4,000,000$, and there in a consilerable expart of eloves. There are bumerous piper-mills in liodmont, Lombivaly, and (Guppaia, and factories of staw-hats, the pincipal at Fomene, and of cloth, ilk, and felt hats in liedmont espertially: The expent of straw-hats, though still comidnable, is diminishin!, whild that of straw-phating is increasing. Shiphoric and tar. tariv aciol, sulphate of quinime (made at Milan and (iemoab), salt, soap, gils, cundles, wax matehes, Ne. are atho exported. Finally, the extemine building opration- carpind out withan ravent peats with a bew to monernise the lame cities live given a
 Thke, am wall an to the quatry ine of stone.

Commerer. The foreign trale of laty is facili tated both by the extensive matmaral and foral hathomes and her railway eomeotions with the
 was rimhth in the List of Envopeat commercial

 Wallo later it hat mothistanceld funtria, imel was



 falling aff: The value of the former (exiloding




 of the comatry, me lomith in mot hown thation
of foond, alont a half waw amb batially-prepared materials, ind the remander to manfactured Fomok. Wheat pepesents in eighth of the total fimports, ably yams and tisones neaty ats mach; after these come raw cotton, coal, timber, sugar, machinery, tish, iron, wolfer, hider, fherene, toliatoo, in this oriler. Silk, mostly raw or thrown, maldies ahoat thre tenthe of the export, and wine bure than one tenth: wiycoil, fruit, esss, hernp and Hax, sulphur, worked comal, marle, amil rice come next. The commercial interemme of laty muto the eme of $185 \%$ was chielly with fratuee (ower 34 per cent. of the total): (Great lintain (nearly 15 per cent.), Anstria, Gemamy, Switzerland, and liussia following at some dintance. In lsse, however, Italy contered on a war of tarills with Franee, Which hat the immediater rennlt of reducine the direct trade with the latter comatry ly almost me.
 This change is in a latue degree only apparat, for grat gnantities of ladian prolucts, notably ritw silh, have since hean exported to switzerland first, ime theme to Frames. Newerthelens, its ethect is to rember the ligures for the seats that follow 158 misteading. The principal imports from britain are enal, iron, cotons and woollens, marlinery, and mart the ehaci expmoth thither are olive oil, mages ami lemons, with their enomes
 The ltahian meremotile mande at the end of lass embrated (selo saling-wesels athd stamers, with a tomange of siz, 0i3: fons; the ste:mers manmered 266, of 15,100 toms. Over nine tenthe of the whate were amployed in the lishing and conting trale. Lu the same yar 111,25 vesels of $20,048,2 \mathrm{~B}$ tome entered ( $111,10:$ cleared) lahian ports. The Italian shiphing engaged in international navigation hat rapidly fallen of of late yeats. Mome tham half the steamons entering labian ports are
 maritime trake. The ninst important seapmets are (frmoa and Savona, Leghorn, Niples, Vemice, Mersinat, am lahmo. In 1894, of al total impurt
 Were fom liritian; of all "xpmot of $\mathfrak{E x 4}, 110$, , $0 \%$


In 1 s! 5 thew wirt 9300 miles of railway. Since 1ss. the state hes have hom womhed hy piante companies, and about fone fiftlos of all the railway's
 and the Adriatic. Two notatide thands, the Mont ('enis amd si dothard, commet the Italian system with those of Frame amd Nwitzerlam, and a Simplon thmel is propetal there is alse at coant lime from Cenod to Nier, and sumal commections with




 Tha bivers ane navigable for abubt 704 miles. In

 pensos in the latter yenr was ahnit te00,000. In


 abroulare, emphons math athat of the entime pmpmation, and the mandiaturem only alont hati
 ants comgrecrated in citios is manomally latere and

 The sanitary comblitum of these towns, in whicla nearly thetefonrthe of the comise pombation is compregated, is often deplomable. A commimion

then were no mewers of any sort, in 1313 thare were sewers camalne of carrying of rain-water
 carry off fonl sevage: that in 3bizi commontre, witli a total population of nrarly $11,061.01641$. 1100st of the homses hial mo privises and in toxit other


 were supplimi with drinking-wator of foos or bad
 - lid not receive water subibent for the actath needs of the people. In -1 h firmmstances the prevalencts ai infections: diveanse is not th he wombered at : in lsse the froportion per million inlahatants of bleaths from all cathan in Enclant and Walos was about two-thime that of ltals, lat from infections anl emotagion- liseazp leas than onethirul. Let in somer reaperts an imporement is visible in the huritnib combition of laty. The ammal dobth-rate from malaria apmears to le -tealily dimini-hims. as sloes that from prllomro. a wrotehed dizensw resultiner from insmbicient and
 it is contimal to the northern and rameral provinems. The propurtion of leatle from alowhminm in the larger town is mand the samm an that for all Eugaml. Lut fur the whale of laly it is only a thirel at errat. The fomb of the artisan rlasese consints mainly ui celsals and leans: maize is mostly une la the moth. where alan the sumall promortion of ammal fool is alwit domblas that comshmerl in the somtli. 'Tlow hiet of tho" peasantry, again, almont never inrluat heat wr tivh, and selum : tuy winn. Sisnor finlin has cilenlaterd that the arprage daily wage worhead of workpeople in factomio. minas, do. is abont two lime






 nf stean maphinny and the likn, maty be aynetmi to develop with experitate. Damerser. that old Roman -pirit of stern militarianion in atronsel in
 tonuperament priseipally asomiated with them in many minlo: the natimat tyon mant rather be








 -lay: in thin rownot the Italian low of conntry


















prewanl: in NBbit it was in use in 1179 commmans,
 the sonthen in frovinces.

Riclegione wul Edm"ution. Voligions frealonn is now wecurnd to all rew-ls, hat the limman Catholic is the reonemised state rehigion, amb rlatme all hot


 There ate in laty is Cotholic armbinhons and 203
 and disnity of the joper as a moverem priners is
 relatims of the rharel and state: his jeranon is surforl, his pesidener inviobable and he has his own eont in the Vatican (mo liomav Cithome CHIRCH). (nler a serive of laws the ereat majuity of the religious housan have heen $=11$ prosenl. small jonsions heing paid to mont of their immates who hat taken vows, and their property fonti-mated. Part of the fumds thon placed at the di-pmind of eromemment have heen devoted to altatimmal parpuses.

Education is malar a miniater of pmladie instruction. who is asolud ly a momeil ; and in "uery fowince there is a shimel lamal. under the limo. tim ut the preiset. Vearly $\frac{18}{2}$ millinn sterliner. ar about hali the -unu appropriated for this purlowe in Enerland amal Walec, is wht aside hy thas -tate
 provinces add ${ }^{2}$ millions. At the fombation of the kingdom of ltaly the erameral ignomatiee was
 exintul in pery large twom. many of them. like

 -how that, as regrale oflncition, ltaly still combs


 st pur rent. of the fomales were malide to reat in write: in lsal the jercentase had fallen to it fus the male-ame 7 in fur the females. In listiti, of the nen marrisil lif per cent. and of the women 79 1"r cent. lati to make their mark: in lins the per(.antape were 42 and bermentively. The varions

 11 fer rent. wi the nom marien illiterate, white in

 purtion of woman illitrato i- seretor than that of moll. The motion of intallempal rymalits lutwern
 abl theres is much leas ablembate furavion for the
 maminally :





















technical scluobs and institutes (sty private), with


 stulents and 170 'harers. Finally. there are in Italy Ol miversities, 17 of them ensermmontal and 4 froe - i.c. matititined hy the powimes imal commones: tha total nomitry of sumfents amd "heaters" was 19.44] in 1sa3-94. lowines lom who wern entered at three lyomma that prowide a mid versity enmrse. The whos amivershy is that of bongma ( $1 \mathrm{r} \cdot \mathrm{r}$ ), the laremot that wi Naplew ( 4104 students). The great lumly of Tatian statents are emolied in the faculties of modicine and juris. prusener: theologe is not tandot in any of the moversities. The stmbents af divinity in the seminaries in lavi monbered 11.2 Z :

Gowrmment. - ltaly is a comstitutional monarehy, the executive power vested in the king. with sneeresion in the male lines leiner exercined thronsh respmoible ministers. The legishative fmetions are in the hands of the king amd parliament conjuintly, the latter ennsinting of a senate and elamber of rleputies. The momber of shoputies is 5os: the franchise is extemied to all atizems who are of age, can read and write, and pay on lire of dirent tixes. The smate is combused entirely of Iffe-members, with no lixed limit an to nombers (at present abont 300 ) : all its members. except thas princes of the royal family, are mominated by tha king, and most be forty years of age or biwards. Neither semators nor depmes are paid, han they have the right to travel free hy rail or stemner in any part of itals. llomey bills must oriminate in the Lower llmase. The parliaments are quinguennial, hat may be dionolved hy the sovereion at any time. Dininters, whommbereleven, are mat neerssarily membnis of either bonse. 'The wovernment of the provinces, with a prefect at the head of earlo, is very much the samin as in Frante.

Arm! aiel Narg- Military (for the maritime population, nowal) service is eompulsory for all citizens from tho age of twenty to thity-nine, but omb ahout so,060 annmally are drafted into the standing army ( 3000 into the navy). liecrnits are livibal into three elanes, those of the thind entering the temitorial militia at once, and receiving mulimited leave, excejt, in time of prace, for 30 dass" drill every four years. Iineruit of the seeond categny are comolloil for vight years in the permanemt amy (with mblmited lease) and four in the moliln militia (lambern), amd then enter the territurial militia. I'lue iufantry of the first category lase, before lewing transfered to the teritorial militia, three sears with the eolomes, el口ht on le:cre, imm four in the molila militia; the other arms, nine yearx with the colomrs and on leave.
 arms in 1505 numbered $8: 3,114$ mon, and lhowe of

 torial militit, wat returned at alomt 23 million norn, abust ome million of whom hat receiver at

 and at erhom for artillery amal thrineer oflicers at

 and for the samitary eorpe at folornore and mili.
 Nessina. A main of fortresese has been breeted along the mondron forntior there are momerons forts ame hatterien in the latin of the l'o atme alomor the coast; and Kome is jootected hy a eirele of fiftern forts.



maritime powers of Enmors. In $1 \times 76$ the nary ineluded It amoured, anarmonmod, and 2despateh versels. lumidno ather wasels that homaght the

 ing to a repurt phiblisher in tsio, italy had then

 torluedn hat. and $s$ grm-verels: the maximmm thickuess of amome Garried by theme vesuld was 2la inches, and their appoximate valute wats put at st millions sterlingr. 'There were alse ISN torpedo boats, and wher vessald that hrought the total to $23 t$ shine, representing with their armamont
 the Italin and Lepemfor, are the largest war-ships ret loilt, amb the ammanent uif the navy indules several sums of 160 amd 106 tons. The feriond of service in the nasy is eightem years, hat in limited momber amly of tie comeripts actually serve fonn yeats, and the reat are nomally on permanemt heave. In lsse there were alont İ, ion oflieers and men on active rervice.
Fibumers.- The finances of ltaly present ant inctresting stmy from the list the ronnge Kinerlom was burslened with the cont of the war with Austria ami the delots of the old Italian -tates. and moreovor has heen obliged to fice many sears of extrambinary expenses : whilst the lamb, especially in the sombla, has never heen leveloged to anything like its full capreity, and the revontae hat hern restricted in consequence. In
 it was mot motil $1 \times \pi$ an that the first smath simplus Wha, ohtabiberl. Except the lime half of lsst, the nest ten rears showed a surglus. lareer or smaller ; lut each of the font rears following is. in a ledioit. louth income amb expenditure have steadily inereasel]: in 1862 the former was over
 Fear lsts-s! the actual revemue was fitu, 0:3a, 000,
 The thief somree of income are the emstoms, the income, Jand, and homss taxns, and the tobaceo monopoly: the frincipal expenme arm the intorest of the problic weht, exceding 21 millions sterlinog, and the cost of the amy and mary, whill is mearly an wrat. Th proportion to the promartivity of the

 a lonm sureession of ammal ledieits, "xtomsive lailway amb uther publi, works, an! watly ammements hase raiad it year hey year till in istio (wher the


 exelasive of the emmanmal and prowineial debts. Meanwhile it slomhl low mated that the Italian grvermment has mombed imbain of the old, ohjectionsible imposto, shed an the arint tax: and in
 einculation.

Fur information as t" lealy the inest sumeses are the admimale otficial publications, a complete list of which

 (phblished since fand contams tuporaphical as well as statistical information: mont of the statistical prortion
 A comprehansive raviow of lalys promesos is presented in a memoir. equally ably and candin, lia aliani Indici
 loy Nighor L. Loolo, ome of the most masterly of presentday statistacians. The Deionnorion romeration (s vols.). by Amati, is part of a mommmental work in cromse of




and Itell＂Present and Futare（2 vols．1sn年）：the books of A．I．（：Hare（II．Y．）；and lieanclerk＇s lentel Ital！ （1心夊）．Fur sumblern Italy，see Lenomant，Let firanife
 Letomie（ -1 vols les3）；and Mrs hoss，The Liend ui


1lssumi：－The ancient histury of Italy will be

 mercmarien in the gray of the western fonjur
 cer hinor：and the last emperor of the Went，tha pretty boy linnuln＝Ansmotnlus．Waz sent to emal his days aminl the womis and li－h－punts of lacml－ las villa nadr Naples．Thes semate，by bonacer＇s command．recomised \％ern an head of the western as well as thr eastern empite，and lee in turn levotowerd on the Tentom leater the dimity of
 was undi－puted：hut in $4 \times!$ Theombic．king of the Ustroentlis，invaleal laty with a mommioniom fom the tireth whimerng，hesioned the llombian in Ravennar，and in 49：3，after lis surventer，slew him with hiv won hame．lin spite of this hoody legin－ ning．Themlujo male，which lated till ios，was wisi ant．wh the whale，just．Fint the Arian faitlo of the eromprone lath them and the ltalians apart． and when Jh－tintan＇s＂rmeral Belisarius was sent to reonmper laty he was weleomma he the colonists
 was du－grately maintimed，the hero on the（iothic
 barbarian－wa－wutmatched by the genemalaip of the ateerl enmeln Narmes：and in sian Peias，tle last kine wi the liothe，wat shan in battle，and the descensante of tha hast who had followed the Amal kin？intu ltaly sixty－fonr years hefore，now few in mimber and sure at heart，ware permitted to marel lnath acrome the $\mathrm{A}_{\mathrm{g}}$ s．Italy was now governed from liaremat for ：few sears in an exareh ur viequs ；hat in inis cane an invasion ly the Lambard nation，umber their king，Albom， amd all the eentral furtion ut the peninsula paraed from ander tha sway of lazantimm．Favia wa－ manle the eapital of the new kinnhmm and the great duchio－uf sunteta mul linnevento were foumbel．presing an lionne and the lireek mari－ time citise of the somh．Yut the Lombanl－were not atrong emoneh tor orape the whole geninxina． and finhos amb most uf the chat towns，as well as the intamb，remained to that emperor：The invaler iminMen on the conntry a cont of fenulal system，amb，heing Arians，treatal the latians with great harames，until direcory the direat eflecteal lleeir emsermen to orthomins．From this
 of the natimal mante．Lee the lamian on lecree
 H．A dmelaration of laman imbepronltuce ：aml
 the exarch aml checkiners with the lofle of the








 domisionin ter his awn ；in som he was arowneal emprera of the：lamatm．Dlathwhile the lomatanal
 Sicily and a monhern of fee cithoin tomthem laty，




nonth hank of the Tiber，which after hime was eallent the Leminn rity，and ralled to his alil limi－Il．，

 Saracem＊for a thate．liat atior the death of lamis the inditals comprelled the luphens gepe to pay tribute：and the fireeks，putitine low the wak ness of（＇harlemanmes shecomots，recomed most of somtiem Italy，ans lwhl it，molmy an wlicer entitled（＇atapan，till Jots．Eient kimgn of the Cadovingian line were acknowlolged in Northem Italy，bleir male moding with rharles thas lơat in
 sovereismo－duken of sultoto aml Frinli．the dem－ man trumlf．Hugh of lrowener．Beremgar，mar． qui－of［vrea，aml others．Tomer their feeble sway the prower of the fembal mobles，amd，within the cities，of the bishopm，waxer great，the papal chair wan ocopied ly men bif intamobs life，and Manyars，Saracens，and Northmen overran hbe comntry， 1 urniner wide tracts inta a desolate wider
 homage to the（iemman kines．Ottr of Saxons：lle was sutlered to rule antil this，and then demoned： and in $90^{\circ}$ Utto was erowned at kins of Italy at Milan amb as empors at lame．From this time the right to the erown of the Kinman empire（two centuries later it was that Holy loman empirw was held to aceompany the（ierman kinar－hip．Fxeept in nane，there was no longer an Italian kinglom， tand，with its forejgn empeross occuped for the most part lesomd the Alps，the cometry was in some degree left masterless．Its division into separate rite was now lint a questim of time．

Noved las the scamblal of the jrapacy amd the constant revolts in the city，otto took the election of the pores away from the Fiomans．chose a I＂＇pe of his own，and jut the city in his dorqe．Elee－ where he enemared the rise of the commones as a check prom the great var－aks．The town－had already heen permitted to raise walls as a defence agamst the hamarians．and now the chief adies ware freal from the furioliction of the comnts． The frath of otto Hil．in loug was followed hy a diapme for the erown：liome，the papacy and the eity，fell again into thes hatmls of the Tusculan mants，while thre Lomhand eitios eained in impmatane as their alliance was somblit ly one sisle ur the other．Diban supmoted Ilemy uf Giavaria，who hatl leen elected in liemmany：and he severely gmaished her rival Pavia，who had

 Franconia，Whon was intion into ltaly amb erowned with the iron crown at Dilan，hy lhalime the archbishop．Fnder thi predate llibn advamed
 militia was fommed，and Horihert i－sid to lave
 battle the eity＂banmer anm an alt：ar，and romme
 thing．The ritizens had almandy formed therneloes
 power of the smallar ernats wha hat now come ta dwell in the city was luidhed．The wher lambard



 of therts：and they sumemeded to the rible rambins trade of ther Monliterramean after the fall of the Greek rition in the somth lefane ther Ximmatus． Buring the firet half of tho llth econtho a hanly of





and Wi-kard obtamed from him the invertiture of hiv puent and future compuests, which he was to hohl an a tief of the holy see Cobsert extented his power on the manland, and tork the title of lomke
 honther liwer comperad sidy from the Samems:
 and sidy wem mited he his son lioger, who in 11:30 assumen the tithe of king of Sicily:

 f"ne. Whrn the ambleawn Ilihelnam beame


 of medeniaties ly lay lorls. ofto the direat and Inomry [1t hail apminted and depoed popes, and thereme this latter decred led to a puarrel
 wat depone. The fope replied ly excommunirating the kins. Who wan rompeded ly a rehellam in Saxmy to whmit and do penatue at Comosa, the eathe of the comntes Matilda of Thecans. the f"pu* ally. llenry, lowerar, som renewed the -him, alpminted an antipole. and in low took limmo was ernmed, and benipged (iregory in the fortrese of st ingelo. Thence the puntitl was

 tu roll hi- have at salemo. The stmote, how-
 hy the ennendat of Wome (lize) the rmperor xielled the main principle at iswe, surrembring to
 -till to proses the risht of confermer the imperial crown lis the beath of the fonmon Matidda,


 rasived in after valas
From thi lon!e surule the nothern citio-
 Thery still bolencel tu the empire: blat they were

 and mhandy tom froment adrantage of, the right th make war un their own actome. The
 in tiomany at this time and before lank these Hatmes were hatd erernwhere in haly : hat here

 hatred an rival cition, whathorgher fore at the


 In that year Prabick, whathat heme ehe ted king
 gremment of the town, sum whe them to thar
 in": mbrallontile citien, her went an to lime and Wa rowned be Alrian IV. (Nichola- beak.

 -


 - Haw alwa - fon another rity : and from rities




 and it "at mat till May ltal hat he agein immend Vilan. Thas rity hall ant till Maten



Suon afterwarl- the cities of the Vemmese marela formed a leane of defence againal Freterick whel he was mathle to em-m. In 11tio he hesieged the bulne. Dlevamber lll., in the (colis-

 and Frederick with ditheulty lal the remmant of his amy north to lavia. Gmly this rity ant the Maremis of Montierrat in all Somblaly hat leelal back from the great lambard bagme, which had meanwhile bed formed and had retored the Dilanese to their city. lu llas Frederick fled in
 conferlerates fombled a now eity un thip plain hetween I'asia amd Mantforat, to be a cheek an thene two. The leagu" namedi it Ilowimbia, in
 straw ${ }^{\circ}$, their enemise added in herivion: hat its diteh and ranuart of marth held lirederick at hay all themgh the winter of $117-2-5$, till he was fored to rate the siese. Finally, the crushine befort at Lewnan (Mat 2?, $11: 6$ ), from which lielit ha hatedy earaged with his life, made him willing to treat for peate. In $11 \%$, at Tenice, the empror cante to toms with the pape, and rateed to a six pars trmen with the Lomharrl towns; in 11s: it permanent peace was ratifiel, the citios retaming their right of war and of alf sowemment, and the


 Lambardy as well. for the extlentern of moter in the towns hat introluced at lawles ofomelt and Wiwn rise to fations: so that at enmene jualge Whe was not a townman, wha held ottice ion a simele rear, and had then to renter an acomut of lis administration, wat mont likely to pore imparial. Yet from the pulention the de-puts wie lont a sedp and this was taken al few yeats later.
Since the battle of Civitela the Nomans had enntimet faillafal allies af the f"pma, aml it was whth the ohact of derriving the lather of this
 Henry 11 marien ta the haten of sialy. Frealerivk diou in 1190, and in 11:1 Ileny uat remmined ats Kins, and the Xuruan rule in Sumbern Italy came to an end. He died in 1197 , and the next

 rich to the wharlianhip of lannemt 111 . The

 (1204), dumge the funth ram-ate aldent the
 fre the capture of the ratem rapital war Voniere


 at least a mothor of i-lathe and enasi torritury: she wan mow surneme in the latant. Fredrairk 11. ,














 Dearlina da lamoma infanms for his emolties.

pnems, hat him declared dethroned ly a commil convened at foms: and after tive vears of hames. ing anviety, his life the ohject of comstant plont. Frederick ilied in Werpmber 1230. The caute of his son and grandson was uphed ly his hatural son Mantred, who in has herame king of Nipily. There was no abatement of furs in the tioner strugegle hetween dinelphs and dibibellines. hat the Halance of surcese so far inclined towats Manfred after the hattle of Monteaperto ( 1 B( 60 ) which restored llorence to the Chilmellines, that Chan 15. invited clarles of Anjon into laly whead the Guefohie parts. In 1266 Manfed wis defeatel amp slam, and the Swabian line came to an end with his nephew Comadin. whe wa- leheatom at Naplen. The Guephs were aqain silpene: lint dreqory X . reatored their bani-hed risale to their cities, and for a time made the two partion live in pate. Chates. who receivel the kingrom of sicils as the gift of the permes, had promived that it should never he held atong with the empire: and now, a* a tinal check to the Anges in:s posibla anhition, the pope Prought the diepute to a dome which had kept the empire withont a lieal, and crownol limolf of Hapshor, who wav elected in 10.3
 tempral sovereisn, and their power wa henorforth timbly extahishell ower liome and the Camfonm, Emilia, the Lomasma, and the Marel of Ancona: amb, as Remblif loft ftaly to itself, the Guedphe praty was enabled to strmben its power and to chan shel bastile eitios as lisa. Charlen lowt Sibily ly the relodion which began in the sicilian
 to the Hnuse of Arayon, which, as the pures were Lontile, necessarily lacame dihihelline. Meanwhile. in Tureany the trimmpant tinefla had hecome Troken up into factions, the Xeri and Bianchi (Elacks and White-), the fomer violent (inelpha.
 fierer animosity of their opmontat mate them fihibellines. For in 1301 (larte of Valois. who hat beten called in hey bomifue VIIt. An help the Neri, motered Flomene, and waye the hianchi ur to the cron! wherance of their enemies: anonge thom haninhell fram the city was the punt lante. Ember 'lement $\backslash$. the arat of tho papacy way remusta in 1809, to Arigun. Wher it renainod for the next seventy year-. ha the following yar the new emprom, Henry VIl., vame into Itily to
 and orler. The tank, bowewt. was mon begmol the pewar of any Cerman manter. $11+$ ning dien in
 exep 1 in Milan. which he hat handed wer to the Glailulline Viseonti.
We hive now reathed al mind when the rition of Nurtlern Italy hal fallen moler the way of tyrante or revents. The fental powar of the rural coumthat matually beon lesermod by tho remmmer,




 the intermimalde ware had trmad lo give the
 trained th ams, the mir mary shll matnally



 the firiple, who repremented the party in the
 at nolde, grablually ration himelf to the perition of ma-tre. It wat then his aim to dapron the ahome of hi- wwn order, bath to win j"pmbarity with the

of the wate fomght hetwern thowe in ltaly who

 was th he supreme in the eities. Fhane an ate
 a hereditary oligashy in Vonioe, despol- wore now extablimet in all the great mothem dities, each of which was olad to - mbimit to a master who would put an end to the strite that had hampored it- commereial properity. Titlew wew lonotht fom the lieman combrors or asomed, fourts wate formed, and amios were hifol: for wats wor now wasel in anothor fa-hiom than that which han prevaled in barbaroseas time. Then it was an honomred custom for the artisans and tradomo of a city to devore a week or a montlo in the garar to hamyon the fielde of a rival commone, th liaw its
 and min the town. provided it dish not hoh wht tom lour: in any case, the ritizen-whliens rethrmal home in a few days. and took up their ordinars work arain. Xow, lowner. wat was a scieme and solliering a trade: the wom panolly and ponderons lanew nf the man-at arm were but for the raft-man or the chork. Therefore in the 1 tha century. lamis of mereparies. or companips of
 anre. elling their services to the hiohest hinder, ur phamesing the lands of the weaker states. 'Tiurir hattow were abont bowllow. the campaisns inde-
 ehonly fommabli to the taxpare : and. foir that matter, in their rommoridial proviarity the atios were at this time rectising the rewand for which they had hartered their indepmetence. If we olane at England in thi- periol. Which followed hart en hamorkhorn. we find commore and mambareners still in their infansy woul the staple expont, homese of mad in the strents of the ritien :ani rowhes strewn in the kinges chanlor: but the mation hat now it contitution complete amb was moving in the hardening path of iredom. The conlition of Italy was in shap comtrast to all this. Prate :mb mantactmes wer fominding, art and literather were enomaged at the comte, and imenton wis fursettern in prent connont and inglariens whll-hing. The roult of the salf.
 latar, when ltil! lay lamplese bemeath the feet of contending forcin ambe.
The lath and lath ernturies witnosed the divion of taly among lime pinciph perverthe hinedom of Yaples. the duche of Milan, thes penablice of Flomen and Vonice and the papars.



 Sirily remainen to the hine of vatem. while Naphas was latpuathen tor hiv nathat som. In



 bat of Northem laty: and thom hmain were










 wohtion of fontmo "an wanllol in lat: and the


 then seented have eosime de" Dealici, whor for thin end hat combed the armber will of the endmum


 Alagnilient. Filoremer wis alleaty mintress of

 one of the five ereat powest. Fmace, whiol hat

 'l'hairty yearm of embland with (ixnot for supremates in the Veditorrantom hial emdend in vietary for the repmble of st Mark in lanl. The captue of t'on-





 raviened her fielhe to within sight of st Itak"s.
 her bishom, exiled at Ivienon. In 1875 the prapiaes retumed from the lialiylonish captivity, :mal, in

 the ilewarts. The schaim emiled in 1440. and Nicholis 1. was pmabled to entablish firmly the temperal power of the pilpure
lady now enjoyed aterm of properity and comparative peare, brokern maty as Jombernamed her homeders or ley the family amhitions of the papres.

 Italy, amd han himself arowned king of Vieples. Mownwhile, Lodorion had mardered and sumereded
 (Shmbes, who with titlonlty not back to jramo in

 time かimomamais inllume was all-fuwerfol. lint,

 :umbition which, under his immediate suceessors,
 Wilan; in 1501 Fandinand the Gatholie tricked him
 and one more mated the 'Twn Shalies mader one (Town.





 tha mament ; bint lfaly liat mos lamy rest. The




 to the romatry's listracetions. 'I'hn potatey wis it















The Dedici, who hat retamed to florence in bole, wre arath driven omt, hat whre restmen ly arme
 emperor, who was his fathorem-lat, the tille of


 Italy: his som lphilip beeathe its molionated loma
 lenioce really, amd fenom, lacea, and the little republic of Nan Jarino nominally, romained inke bument. Besides Thasany, Hore were the duchies of Jorlona aml Finvara and of l'ama and liacernaz,
 labll all the rest of Italy, save l'iedmont, whicls wats restored to the dnkes of savoy in the persm of lhilip's comsin amd reneral, Emmamad Fililert. This prince also rarained savoy and the prosince of Nine, whieh his fanily hat lost: that ho remuverl his eapital to Turin, and his lomse Win lemoeforth ltalian. The papacy had beon strengtlumed ly tho fombing of the desuit arder in 1.ito, and the extahlishment of the Inguisition ; ame the Commeil of 'rent ( $1 \sqrt{65}-63$ ) detined thr Catholie ficith. 'The territory of the churd was further angmented by the almorpt ion of several lapsed fitefs, amb the supronacy of the juntitls was mow acknow ledged liy Fenier, who land hitherto reagnised mo shperior to lew own patriarch. lint lenice was non harer the mant state he han bren. Her commeree had fallen of since the discoveries of l'mhmbus and loit dimma, amd most of her comghests wore in tlie hands of the Turles, to whom, in apitr of thr victory of the allied theet at Lepanto (1571), she had been compelled to give up evon (yums. ller last meat arhevoment, in a war that sho hand wared at intersals for be centuries, was the compreat of the entire lelopmonerse, in lost: lat in 150 this foll again intu the hanals of the intilnls. The power of stomin, tow, hatl greatly Werlined, and besiles Masamiellos rewolt at Niphes ( 1147 ) there were risings in Sieily, which wave the island to Lomis XIV. fur two years. Bnt thronsh out this jerion, and motil as latw as the lath eentury, Italy was disposed of by foreign powers,
 of the thene Enroperan wats of musersion, in the Istli contury, Italy was subjectml to a fresh re divisiom: lonf it is not necranary to motice more thatn tha latst of these in detail. Tha sorviees remberd hy the llount of sivoy amanst the Fremele, during the war of the Staminlaneronion, won for it the intind of Nieily and the tillo of hines. 'The new monatel, Viftor Xmaterls $11 .$, was ome of the lineral and mblightemed lospots of the time: and

 took their title motil $1 \times 6$, , lu bint up it real kingdonn, took the schools away fom the fexnits, aml dial much to promote the wrlfare uf his smberes.
 Which the sambinias fonght witlantly on the Hapsimerelarmine sides, anded with the treaty of
 follows: the llonse of siome bald simbinia and
 fonat and Novara; the Anotrims retamed Milan



 Whah muvired ats a republie notil 1797; and

 Foled the inlame ui lomsion in 175. Haly now



the Bmarlans，who heln nearly all the country，wat senerally ablopted．An hmmamble exteption was

 empire as Leopol！It．in IJ！n）．Ho institutedmany wforms．restrgeted the power of the priesthomb．and suppresued the Thquisitinn ；ann！tolnim in owinn the reclamation of the fruitfil Val di（＂hiana frome ： wilherness of pestilent marslo．Po the rule of this prince the harsh，jealong－oppremonon of the other sovereigns presents a pitiful contrant．For ltaly the long reign of misery and diarkesis was at latot about ta pass away－inut slowly：the night was not yet prast．

The stom of the firencla lievolntion hame in 1．92．In 1.96 Napleon mentered Italy：in 1,97 the Cisabpine，Limurian，（ixpadane．and Tiberine＂ republies，with their eapitals at Milan．Cremon， Bologna，and Rome，were formed om of Sorthern and Central laly，and Venive amd her tedritury heyond the diliee were len－towed on Austria．The next year Naples surrembrel，aml was male the eapitaz of the l＇arthenoparan linphalie．The demo－ eratm in the citim joyfilly wolemed the new doetrines bronsht hy the invaling amy ：lat even thes soon wearion of a nominal freedom that lee－ stowed chiefly the privilene of sharing the heary costs of the＂French wars，amb in latio Sapoleon han！to win the pernimula afren loy the rictory of Warengen，In lsot he malr．himselt emperor，ami in 1s0．he wan eqowned lime of Italy at Milan． The fourbons were permitted to retain Thseany and Naples，and the p＂川ne was reinstated in the pros session di lame．Niphm，bowerer，was diven to Joseph lanaparte in IMK；and to Juarhin Murat in lshe：in lyng lanne was antuexen to the French embire and the empremors sistro liza was mate Ducleses of Tusoany．＇ilue cimotess of Viema （ $1 \times 1.5$ ）restored tha map of Italy wry much to it： former appearimer：bint the alvantares of the new dixtribution fell nesin！all（a）the Ilumse of Austria． Venice was anded to the Sostrian romon，and Lombaraly retaineds inn Anstrian duke was set over Audenat athd the Au－trian Ferdinand III． received hack＇Tuseans，to whish lincoil wita to he ahlat wheneser the death of Niamlem＂s Austrian wife，Maria Lonisa，flmmbl give limma amain to its former looubon manters．The only other lasting change wis the transtopence of（ienon to Victor Jimmanmel I．of Savinia．Naples and 大icily were restured to the Bonfrons，and the fore was once more phe in posession of thastathe of the church． The little republic of san llarino wat ilworeor－ nixa！he the coneress．

A period of aboblatism athl ribil repreaion now
 polioy dictaterl from lixnnt，and show hy all

 the pane：in $17-3$ ，were restomal and the elomentary mbuntion placen in thoir hands，whore it wan
 Lombarior Vometiar，amb were at the service of at！





 ＇Phore were rivinge in conthern ltaly in livet，but they wre suppoond in the followin』 yan，atm！



 and the labumens，the only leonlt of which wan to
 Nor wits there thomomi manimity of common
 lieans，reprotented ly tha party of Jomber laty， wers heated ly Jazzini，whow liery poppornce
 his renntrymen into a patamate home ：lant his poliry stmetioneal methons from which mome whtal

 the new king，＇harles flb＋1t，wonlal hor entwo on a wir with dustriat hat this wihl rain formod an

 of at conforderary，with jurhape the prope an pres．

 assumen the tiara，and initiated ia veries of hilnoth reforms．Comstitutions were mantem in lati ha all thas rulers save Anstria and Femenamil 11．bi Saplos：imb from the latter a cumatitntion was wrume in the followiner vear．The par of sevolu－ tions，lath，operted with at street mimatere by the
 French litpmble was onclarod，and then in lats the

 Allert slecelated war ont tha Anstrianse who han！ lnest lriven ont of Wilan amd Venice．Ile paseal


 momer martial law：In Niplen there had lewa ia massatere in Xay，and m 30th Angu－t Naminat wis
 fathel him．IIis troogs had grme to the help of the
 dectared their adranee to have heen withont lia locace The repuldians．who had remator！his liberal measurem with sumpiejon amb joalansy，nam demounted him as a traitor to the vance of Italian freelom．On bith Susemhn hiv wisest minister， Combt liossi，wian assaminated，and Pion tleal to Giatat in diasmine．I repmblio was set np，in lione on $9 t h$ Felmany lste，under Mazaini innd twonthel
 Fharence，int＇luseany retnsed tal join herself to the repmble ：vet when the soverojen she hand inviterl hath rathrmed，his first act，supmeted by the prememo of Jutrian tronpos，was to suppres the comstitution．In lethome the ultatralioals， houtal hy liattazzi，were now in jower，ami




 at（Gorta fomr montlos later．Fiffont ware now







 last，in Apil lsion．limme，orompiod ly a bremely







 frome the trimath of comamominat．

 which his tamily hat ratorrl．Sitrlinial wat

furer to almish monaterice. from the immans of an army of illie and iumorant ceclecia-tico: a libural comstitution was in fores, the pres was fres.
 liberty was arjuyd. In lase the sambian prine ministry pacaed intu the hame of Cowar. the hrain, as daribala was the am, of the cominge
 national movement, milal hix death in the moment
 La Barmora, were sent under that wheral to the 'rimea, whore they won for thentestere homome. and for thir comitry allies amonst the weat power. Conour matio trma with Lomis Xapolem. and in ksa war was derlared one mome arainst Anstria. The Firmoly and latiane wom the hattles of Harenta and kilforino in June, and then the Fremed pmpror, ating indmendertly, agred to a treaty whimb left the Anstriam in possecion of Venetia, from the Mincio pastward. The indimation of the liommontion. Whownemerigh had,

 ance was intence: hat the tatere of lemtral italy rotel thail mion to the limedon of Viator Ens
 days after konthem Italy poolten from Franeis 11., the - 1 of Fodinamil. the detoxted Bomba. Garibaldi and his voluntras. thatir "xpedition
 of tha incurnention in llas, and in soptomher
 Lomis Xapolpon (who, lowerer, mainatimed the

 the Catholic (lareh), mow went an army into the papal states. which hefoatol the popers trups at.
 Wefoat the Veaplitan emeral on tha: Volturne.

 to his i-land ferme. In Polmour lsal lae first Italian parlianme met at 'lmin, amd Victor Emmannol was probaimed king of Italy. lint Rome and fonion wer bot yot from, and Cown diad in










 fropson talys.atiputation hat thather an attark In the porestemitury. By the lat artiole of the

 An-tre Prasian war, in which Italy hak hat an









 vanton at an and. and the king. whan hat only




 the lateran pather, the vilta of lavel dambela,
with their pereincts, and was roted an income
 yot the spiritnal sovereign has larne lint impatiently ilue lace of his temporal power, and fregneni momplants and denumbiations have been livectal from the Vatican amathet tha palace on the Mairinal. Xramwhide laty, at last free and united, has hecmue our of the great continental powes, st hat hern shown in the proceling certimus of this article. It will lie the hope of all who have followed the stors of hor lona drgralation and gallant recovery of freptom that this rapid growth may not. like her carlier pre-rocion- developmont in arts and fommerce, he Inmorit at the after enst of premanme inesay.
'libe later history of ltaly has berim moventful. Brisanlame, rife umber the tyramieal mole of the bambons, :und aftowarks emomaged be their amisabies. has heen gradually suppessal, embation and pulblic works have steadily alvancol, and in the suth the prople liave herome mure recon-riled-at lomst, less inverarately lowite-to the laws In dannary 1898 Victor Emmamel dien, and was suceeded hy his rldest som, Ihmhert I. (horn 1stu): and one montl later l'ins IX. died also, and Loo XIll. horame pap. The most important internal memmes since then have been the wide extonsion of the fratulise and the adopition in 1882 of the sytem ni sermein de liste, and in 1883 the resumption of ipecie payment. The fopular interest in politicen puestims so fir is not great; lout the entarmond by the asitation combucted ly the extrme party of Irrementists, whome professed aim is to add to the kinghom all these districts of Enrope where the [talian ywech prevails. These. Which ther hase mamel letelm harelenter

 matia, and also the swiss matom of 'Tosin ('licino), Nier, and the istands of (msien and Nalar: Int it is mataly asamet Anstria that the hatyer of the liredentints is directed. In lys the mini-tre denmucen the selmemes of the assmeiation, as aiming indirently at the downfall of the monardy, and th the same time wabllod the triple
 Whichltaly, exarierated at the extensom of Srenely


 into an Italian colony, in swe. of a maling mation fommed the vear hefore at I-sith, ban the Rod
 the Italian colonial temitory was atmalmamaterl under the name ai britrea (are p. 240). Thessinia hat ranne to be lowked on as amber an Italian

 lo har Ahessinian kins. Ia the same year a treaty was combluded with Frame alment Tuni*: and the

 (san) King Ihmbert wan insasimatod at Jomza


The principal materiats for Italian histury during the midhlu anes will he fand in Muratori's hit rum theliferme


 Ifluhne, cominned to $1 \times 11$ hy 'anlu Lathtu: Muratori's



 Infly will hir latadise (from the fadl of the empire:


 Italienax rom der Grambung der regarenden Difarastion


 liankes History of the Pepes is necessary to a propel maderstanding of the natmanal developheme Phants, there is a useful little volume on Italy, lọ W. Hunt, M.... in Professor Frecman's Historical Course. Lieference slaould also the mide to the articles on the separate provinces and the areat cithes (lome, Flurence, Saples, Venice, dec.t, and to the works cited there: and also to the mumerols artickes in this Encycloprdia on the prmeipal characters in Itahan history-from whater to C'avour, Garibahdi, Mazzmi, de. Se also Aht, Dhama, Panting, Rexalsosice.

Laxgelge and hifehattie. -latian is one of the group of Neo-Latin or honance languages -viz langage the direct oftyming oi the Latin tonsue as spoken ly the Romans amb immend hy then on the mation more immerliately mater their dominion. The chief sulnlivinions of the Ner-Latin group are French, sanish and lomanese, frovencal, Lommamion amblabian. Thi lant retains the closest resemblance to it- prototype. The atlimity between the liomans and the raven of the Cisalpine Peninsula being duser than in the cane of the other Latinised peoples, the phonetic changes introdhead be them are len profomal. The question ats 16 whether the Seu-Latin idioms were mach momitien ly the frequent Tentonic invations of aputh-western Enrope laa given rise to prolonged disension anmong phiblogiots: hint mote recent me-thols of research seem to establi-h the fate that the intluence of theae invaler. wan shight, the more perfect lanshase of the vanchuithed lave ing injowed itself on the intellectually inferion compueros. Neither is monlem Italian derived entirely from the recalled rustic Latin,' or indorect -preech of the lower arlers. The origin of the word which commene the modern tongue may le tracel in as many cases to the sueed of Cicers and Vieril as the the of the common folk. The dillerences letween the ancient and modera langages are the outcome of the natural evolution of all liviner organsma which must malergo such clamges as are necesary tulife and grawth. But so werwheming wa, die prestige of Latin litarature that this natural evolution was lomed on with contempt by the learned everywhere. The struggle between the written but dial lancuace anal the varimus forms of the lising - peed wan moneme so protractel as in Italy. Where the inmbenee of Foman tralitions ant culture was suproun.

During this lons perion wi econntion many diazlects -pratir up, which still prearse their individual pecnlantios. The confomation of the phamonat, it- varyins climates and suil-, smil the dition+ont origin- of the races which inhathit it aresum for the variety and differences of thene dialemt. Their neemingly whe divergento are in reality mondy.


 principal division are: (]) In the warth and noth-
 and bimilian or bobonene, in who athinty to the

 in the Italian Trom and pat- of belmatiat ami


 Rhatian. (3) lat the contre the pure Italone liaterth - vik. Tusab, Reman, with the mearly-relateod


 via. sicilim, spoken alos, in the wheme santla
of Calabria and part of Matimia; Cominat, sitrdiman, and higurian, of the dialect of the

 with Spain and her hong dominion in thene parts of lataly
 idtions of Prance and Drovence had alrealy taknon Ahape in an abondant literature of their ow in whish invaled the hatian feninonla, athl the muchalmined poetry of the tombatoms theatamed to sithe enticely the hambler mowth of the ail. Howner, in the early part of the lath century, in the famma rentre of smeial life and enltme fumed by the lrilliant court at latermo of the Emperor Frederick 11. of Hohemotanfen, a selam of Anlic (or cmart) pets prang up healeal by the emperm hinself and his triend and serretary, l'jem molle Vinne (died 124! ) The sicilian dialect fommel the haxis of the idion ueed. but the lawe mixture of Latin wond, amil the tom wident illitation of
 artilicial proburt. After the death of Manfiol, Frefericks miforthate son ( 1266 ), the Sieilian achard nom ceated to exi-t.

In varions parts of the manlamal more or less - hecerful allemptw were bume mate to write in the vulsia dialects. Nuteworthy is that of st Frame of Arsis ami lis followiers to uee the Umbrian diadect- in relimoun lyrien during the Bhth centurg, the mont diotinguinded anmig this grons leing dacanne da Torli (died e: 1306). The saced diahnatar, at primitive form of the mostery play, poolnced lis this same echoo, mas he regariell ats the earliest germ of the national dramat. An impertant group of lyie poet- thourisheel in Bobona, then a centre of European leamine and civilisation; their elief was (imdo duinicelli (flied 1076), praised by bute (Purguturio, xxii.) : the dather of himself ami all other singer of love. The contembrary 'fusan juet- wrote phihon. phical lyries full of orentrained sentiment, but in wonterfully jure Italian. Chitif ammor them were Guido Cavaleanti (died 1300), the helobed frient of bante, and the immediate precursor of the latter's lyric style; and C'imo la Pistoia, a dionguinhel juriominnt and admired enmet-writer, whone death (1836) wan hewalled in vere he the yomme
 Prancemo da Barberino ( $106+1: 45$ ) wrote didactio atlemorical purns athe sones; the epistles of the
 in the valgar tunge. Anong the lanling jolitial and leancel man of Ploreme was brumeth lathini (1210-14); his best-kmown work is Il Tisemtlo, a kimb of alleminal encyeloperliat in vere, flow ing immerse whlition, bante oleak- of hime an lif
 time helomen the earlic: imputam collection of

 in 'lusamy, in the centhal zone of the penimata, that the ithone at lant takerelelinite shape in which the
 repremative type. The man who is to hatmoniae
 atyle and lamsaw, and to monal to laty and the worth all the Juwer and whatare of the living





 with lathto, and forming with him the trintusital
 Noble on :

literatme prearnts the strance fhemomenom that it
 the precormar of the revisal of rlinabe atulies whirlo was torive the diatinguishimer math to the fullowing centnry, lives in fames not by his wolmimons latin works. hut by reanon of the manomalled hataty of his somes and somets written in the dop-rial illiona of phe perple. If we maty say of him that he hamalit to perfection the lan-
 hamour of irivinir form to prose he the language in which he elothed hi tales. Aroumd this ingosines trios are grownel many lesser stars whose works, thonsh inferitor an tosmbetaner, are all distinguisherd ly the same simple heanty of style. limmeseo Stalile, known as (ecend freoli, is the anthon of a strampr, semi-selentitic prem, $L$ tacerm, in whith he sevelely eemures linters Divine Comed!y. Ile Wita proffonn of Astrology at loblogna, ime was
 dembl Cherti proilucol, in imitation of the fivine
 sersited acount of inderinary travels: more nepossful were his graepfil lyries. The imitators of I'otrarat during this centmry are of little importanmer. die most noted heing Gimeto da Vithmomonn (alien 144t), anthm of a collection of lyrico, La
 str Giowami Fiorentino, anthor of a mollaction uf tales called I/ Pequrome, witten abont 137s, ans] the more orisinal Franco Saceloptti ( $1330-99$ ), who orives in his look of ancedotes a familiar and spirited picture of antompmary elstoms.
"The earlien ambuhtedly anthentic histurial work in Italian is the Chomente witten ly fionramni Villani, at leater in the ammmereial and political life of Florenco, whose hivory he relates
 ( 1345 ), lint his chronicle is contimed till latithy his hather and nephow. 'Jhes important ('romerion dei suni tempi, ly lhan ('ompagni, learrilas minutely the party strife in lomence ( $1300-1$ ). licpecially noteworthy for their eracefal and pure diction are the letters of the famoms St Catharine of siona ( 1247 80), and the Fionett of $x$ t Francis, a solection by an anymons anthor of the saying and loines of that lady man and his followers.
'Though classie antignity was matmally the sobrec of all ealture durine the $1+t h$ century, still the great men of that abe hrew their more im-
 mowementh uf their daty. The distimgmishing matk of the listh rentme on the uther hamb, is the with.
 evonts, and their contempt of the matimall latnonde for literary uses. Latin lumomes thw omly achamslealacel literary medimm. F'on a more detaileal aromat oi all the eveluatad lhmamints amd their

 La"the Trath.
'This wrat revival on "lienalimathee of lifets and limman colture, which from ltaly outwards atheren the whone of bumore, was forterel ly the - blomeld protection of the numbons princes whos mbo was mow walmally taking the place of the

 have conferme a bantime henolit on posterity hy





 fomene smoner the distimmishod witors of their
 the mont zealous andocater for the restoration of
ltalian. A womerfully wersatile monius, lo ex. celled as architert, peet, aml prose-writer looth on ant subjects aml momal philonopley ; his most important ltalian work is a treatise 'on the F'amily, of which the well-known dialogut on the same subject ascribed to Agmoln l'ambolini is suppused to have formed lart. Angelor lonlition (14.54 ! 4), one of the most hrilliant omanments of this connt,
 drama in Italian, although the Cíanto Cerrenseralesso, or rhyming dialoges sumer maseneradors at earnival time, may be consitlered an eadier form. side by side with thene are the friomds licos dellat Dirandoba ( $1463-94$ ), who las, however, left little but the fame of his valst ermbition, and divolamo lemivieni, anthor of moth diticetic amd levotional pretry, which meflects the teachings of the great rofomer ind oratom Sivonarola, the oppoment of liagan culture, whot influence was supreme in Florence from 1489 till his execntion in l49s. 'The two Florentines, ( Giovanni lincellai (1450-1.526) and
 in imitation of the ditorgies. The revival of classie rhythms, attompted hy chandio Tolonei, has heen more sucterofally carried ont in mondom times by Carlucei (ッ.v.). In Naples a brilliant scomol of Latin puets forinhet. Pontano ( $1426-1.503$ ) enjoyen mola contemprory fame and intluence: his mire eelehrated follower, Jacopo Sannazaro ( $1458-$ 1.530), is remembered he his pastoral romance, with lyric interhodes, Arodia, whtten in ltalian.

But the popmar and typical problact of this are is the narative poem, or romantic epic. Ithle tramslations of chivalrons poems from the lreneh amd lrovencal had long heen in nse amomer the pipmlace; the first. however, to enmolle the namative pmem was the Florentine Lnigi Pulai (14:3-6t). llis style is comparatively simple and frote front Latinisus, am! one of the distinctive marks of the manamtie school in his worl, as in all other litarathere, is the hraking down of the classio barmer hetween the serions iml the hmmorous. Cintemporary with him wis his more famons compretitor, Dattion hinardo ( $1434-94$ ), an aulherent of the elnkes of Ferrara. To the same brilliant eon lithonged the fanmus Ariosto (1474-1533), who bromeht to perfeetion the romantic epie. In chos momertion with this new schotsl are the harlosqum-writers of the early l6th centmry. Dlant polisherl of these was Frameser Berni ( 149 - 1.535 ) ; he lived in the savice of the Menlici fryme and is sain to lave died of bison given by orler of the monomons linke Anxamber de Jlediei. Florence was the surecial home of these flippant amp licontioms poets, whome wit gave expression to the all-provalingt scepti-ish and emmption of the ase. Antomio Franeseon (irazaimi, valley 11 basar ( $1503-84$ ), was the most brilliont of the " bermespue imitatoms. lla extels alan as a writer uf prose tates in tho styla of
 dello ( $\circ$. 1480 156:2), is thes fhief tory-teller in Lombartl: A strange varisty of serabebmbe verse is that writen in 'Lingna Mamamona, or harlespuad Latin, liy a monk of Mantar, Poodilo
 limas Cocains. Now more literary emrinsities, these lammons prems were immensely pepmbar in their day.

In the loth rentmy the eormption and tissensions of her many rulami lath raluetal laty to at state of dimolution, whinh left her an uasy jery to foreion invalers, am] the lith enontury saw the tomphetion of her politioal min. Iler literature is trammelled lay chasic initation and comet semility. A comoming eynicism and want of morall stomet are Ube ehatarteristie mote of the greatest writers, fores



Lis itefeets aml emmole lis work. Next to lim
 fimiceiandini ( $1433-1.84 \theta$ ), whon in a momel of mater and elegance. Evory court in ltaly. liat itelironidel's, bat mani of then wrote in Latin. Amontr these the mont puosed is lando fiowio ( $148: 3$ line ), attached to the piapal court for many yeatr.

The secret despatehes of the Vemetian ambas. samors to their senate, from linol onwarls, form a eophoun store of vivid and anmante historic information. Panh Parnta ( $1540-94)$ him written a remarkable history of Venice. The wrowth of tho secular trama wis rapid at this time. Mondfed entirely on elasio models as to form, emmediss now herin to represent living types and entoms, while the tragic stule remains stilted and artiticial. The great namos of Machiarelli and Arionto are foremost amongst the comerly-whiters Foull of wit and originalits. mixel with ohscenity. are the comerlies of the infamons lietro . Dretimo (1492 155\%), whose celehrated Letters were u-2d hy him a- it means of harkmailing thr bincos whom he attacked. Gne of the mosit alplinded and licen: tions comedies was written ly the carlinal Dowiai of Bibhiena ( 14,0 livo), La Giblombor, and represented before loure Led X. In the didactic work // Cortigioun of the Nantuan lastiorlime (14-s 1.829), and the (riduten of the Theam G. Clella Cana (1503-n6), we have molels of elemant prose, Which preserve for us pictures of the court-life of the times. The learned Cardinal Dembo (lito1545 , who during hiv lifetime gave the law in all matters of literary tante, dil mach by example amd precept to help in the restoration of the vulgat tonctue.

Two biosraphen are espeeially famous. Viome Vavari ( $1512-74$ ), himself an inditlerent atist, has left us a precioms mine of information in his mathguoted Lires of the Artists: amd unimue of its kind is the rraphic and picturesume antobineraphy of the ingeat artiot, leavenntor (rablini ( $1.000-7$ ).

The emd of the 16 th and lerimine of the 17 th centuries saw political and ralionn liferty in laly erashed under the dominion of the fore icra invialers, and the increasiner fower of the pupes. It is an arge of decalence in art and literatare, lamenage is pomp. ous and verbose, and the thomos treated mareal. One name of embring fimbe illmmines this primi, that of the mobappry Tamo (1.544-93), a price and earnest renins, and with him ents the pre-emintace of Italian literature in Enrope. I'lue dantoral drama, perfected hy Tasoo in his . Imintu, ame he hiv rival
 wilely popmar. In 1594 the Thifur of Rínumeini wa- prodnced with music, the ariliest mecimen of the munical inama.

The prolixity of eleacription and almens of metal
 century, arew to such hoights in the ball century that 'Seicentismo' haviemained a whonym fon ail that is fake and exagerated in strla". "Thas Nat. fonlan (iambattista Marini (lag lata) in the leader of this robool. Hisisreat pomm, difmess iminl all its prave dofeet-, slaws a powerinl imazomation
 of malinertw and servile lyrinte, the Flomentine Vinerma Filicaja ( 1642 1706) is motrworthy for








 the well-hmown Xroipmlitan artiot, Sialvatar libat



 expuitinn amb chaice dictiom. Tho works of the dolvanerl thanksis of the time ne:ty all mation of Southern Italy, and the boat kuswn amoment
 to the history of philanoplys. Venierestill cheri-hen
 sciontist, hintmim, amel opmonent oi temit slue trines.

The dawn of the lith century show: a dull level of modiondty, and a false and atlected literary

 prevalime fabhom were the Vonotiman, (rasparo amd Corlos (inzoi, the latter ( 1022 1s06) heing eonecially rempmbered by his waceful dramatised Fiebe. The more importimt Lombard pert, (iinempe Patini ( 1729 ! 01 ), writen with simple eleqance in his satires. Mont armired of his own fontem-porarie- was the dramatio port, Dietro Trapasoi,
 favomrite at the imperial iomut of liemat fortmath greater is now the remown of hiv contemporary
 of promar life anm existan sumombinge, breanes the reformar of the wites. Thothe ent of this century belonso alan Altieri ( $1749-1 \times 03$ ), the only weat traje whiter whom lalian literature pusemos. lionsed to it hoge $n t$ liherty loy the ereat limolum
 fall of N゙apmem ha the loss of the semblanee of maity which had lisen given lex, amb, animaterl by hatred of the putty tyrants whon returned to mile her, she hegan the longes sturgle for freerloni. All the eminent literary men of this perion labed the patrintio cance with thejr jen, athil many suffered evile amd imprismmment.

T'lue talented V'incernzo Monti ( $17.54-180 \mathrm{~S}$ ) was the leader of a new foturn to clansic monlels in his eloguent and thowing puetus. Dimbemonte (lins182S) is a motal folluwer of this molool, and the
 illustrima of the clat-iciots is, lonwever, Leophadi (170) 1580 ) the meateat Italian lyrint mine the dave of letramh. 'The tragedies of (a. I; Niecolini ( $1: 80-1461$ ), fall of liarly patrintic alla-inas, were immentoly popalar. 'This elasie selumb in tum gave place to the romantie. 'The centre of thi movement was Dilam, and its chief Jamami ( $17 \mathrm{~m}-$ 1s-3), whone Promesoxi serosi is the moly really ereat historical novel in ltalian. Twonther notevortay
 who took a lealiner fart in the 'lıaran rovintime
 of the foremost pondical men of his time. Mome modom and wrisimal in style is the interontine

 better known by the torn hinely natural :cemont of his imprisamment by tha Xastrians. 'Thee romantis'



 mere muted of 1 hooe mimur funta abe liowher, Irati,











 extent of his leaming. The elombere and party


 (1761 183.3).

Sinee the stomy times of her anmogh for life, united ltaly hat prodned few literaty work of
 Canluect is the only me of eneat mistinetion.

 Thema dialed of Fonmi are foll of wit and

 Suran and (ianelpe Vergit in their noveln and
 In the noth the momben latina, barili, and the
 enobo. 'line vivid lite Dititure athe other werk-
 of the senlptor thare are well worthy of hotion Abomg hamatiote, the work of Cossa, Pomari, Cistrenit, and Cavalonti are the most fopmat.
 lidmethes and other worlis nu mean foet.

The manterly historical work of P. Vilhari on Sambarda and Machiaveili are well known in transtation to Englidh realers. The veratile li. Bonghi haw written intoresting esays on a atome hintorical anet jolitical onbleme.


 Gaise: Max Muller, Lewtores on the sitence of Laternets, So. vi. And for the lite cature, see sismond's Litemeter of the sumth of bitrop (arans. by lisicos): Itallam?

 Sanctis, storie dilla Letterature Itulume: >ettentmini.




Itaseal Lake. Nuc Mtososirle.

 in the epalermis of mon parts of the louly, but
 by a mall maly elexation of the shin, hy eruptioms as the papilla!' of the entin are perforated, imel ly ther intatime ithhing semation.

The mite it elf is white on yellowith boad and Ilat, with two pairo of montaparto, and fomp pairs of aprembages. The mate are marer and muth - matler than the fombles, Which ate just viailate tu the maked ear. When thos hase conteral the sin ther lor sut bave it, lat fom tortumas burmas. thromat
 linyo corape The mite alle
 furm to persat, tither hy dinse montact of by dothers or buthins. It is probally Har cmaryom or laver whim

 or the horme, Neapolitan shock, and lion: A. symemit






 have remensat it trme nature. So does sealiger
 read in lod hefore the loyal somety. Amid anme sereticiom an the mite during the early part of
 ind ats at shotitute for the itelt mite the familiar dinizell of checere. His trick was diseosereal ley Liarail, athl tha existence of a real mite was more distrasted than wer, till in 1s:34 henneri, a Corsican stadent, again demmetrated ito prenchee and chatacters. It has been often studied since.

The usual cure for itch is fommel in haths, with ahmalat soap, of in rubhing with sutpher aint ment. If thene be not resorted to, the maltiplicat tion of the mite may give more serions tromble?
Sec AbMinida, Mite, Paramitina, skin; Helafond and Bunguienon in Mëm. Acad. des Scientes (1'aris, 15(2): and treatises un Parasites by Lenckant, Kuchen meinter, dc.

Ith'anal, now 'Thati, one of the hatan latams (1.. .), the smathert of them except Jaxo, is a long. nitram -trijo of land ofl the north-eant of fephalomia. and lien oomiles weat of the manland in (irecece The smrface is monatamons ( 2648 feet), and the
 -mante, and olive-oil are largely grown. Guats are kept. Sponges and corad are fished fors. The ishad is colehrated as the primeipality and home of Glysen. Pol 10, tiono chief town. Vathy. See Schliemam's Ithelist (1869).

Ithacict eapital of Tomphins comaty, New
 near the sonthem extremity, and on the slopes of the meiphoming hills, 3.b milen NVE of Ehnira ly rail. It has a large trade in coal, and a mumber of fomblies mills, and factories. Ithaca is the seat


Itineriry Lat. itinermiam, derived from iter, "a journy'), the mane given ly the boman to a witter or piderial aceount of the prineijal wats : mat rontes in the empire, with the atations :mel distances lentwen them. Of the former elan the
 the It mertriten Mierosolymitannm. The It. Antomini are two in mamber, one cmatange the ronter throm the Smam prowinces in Earope, Sia, and Viria, ant the nther the pineipal sea-rontes. They take their name from the Emperor Antonims. Camatla, wider whon they were jublished, ts cortected up to his time, hut the yern to have here orisimally prepared at an carlier date. The /t. Hicrosolymilumun was drawn ul in the tha
 (Bumbun) to dernsalem. Inother example of the
 of mareh of thexamer the Great through Sian. There is a collected alition of ancient Mimeramín
 grathet, 地 l'Et TINiEL:
 of Joxico (9.v.) in 1ster es.

Waedore, the ohbent town in Holstem, is situaten in at wher hateked ly timely-worled hiths, to miles
 shatorfining, whom weaving, amb the manfac
 12.4si. The wingal rimble (belsteth), atmond


 Wirr.

IVall (i.e. duhn), the name of two eramilduhe and four czathoi hiasia, there of whom ate trater
 ammonts mallal lyan the Terrible, reignel from 15:3. and did much for the atwancement of his
comotry in arts ami cormonerce, an well as for its
 - wardign to herowned in ezar. He sulnheal Kiakn ind detrakhatn, and from hiv rejog dates the tirst anmevation of sileriat. Jfo conchluded a ammmereial treaty with Gueen Elizabreth, after the Fomplisl hat disorvered (1503) the way to Arehanetl hy sem. Dat his hami fell with mereiles cruelty unn the losyars of his kimedom, and
 Noveromd. In the late named vome 60,000 perople werp =lain in sis wentia. This was, howerer, during the third period of hiv reient. The dirst marks the time duriner which he was moter fin mother"s guariliandsip: :und the seeond the era of commerelial enterprime and territorial consolidation. Ivan died ut sormu for his an, whom three vears before he had sain in a mand tit of rage. See Austin l'ember', Feren the 'Terrbble (1095).
 ehenter of linsiat, in the wormment of Vhalimir, 210 miles lay rail NE. of Wancow. It has heen the centre of the Ranmian "ottom indnotry sinte the midule of the Inth emomy. Naminery is also


Ivinulıoe. a Harket-town of Buckinghamshire, 2 miles SSE. of ('hewhingtom functiom, and 35 N゙W. of Lomblom. Fop, 12st. Ivinghue Beacon ( 904 feet) behore to the Chilturn Hillw.

Ivizal anc. Elhisus), the must south-westerly
 Spaninl mainlame. It is momotainoms. and its enast a are indented hy several brys. Area, 228 sq. 111.: jop. 22.ano. The principal prolnets are salt and imits, with a littor lead. The chiof town, luiat, which is fortifion. i- the see of a bishopl, and has a jupalation of 7 fom.

IVory is the name pron"erls siven to the tusks of elephiants, a material whicts consists of that
 in tramberse sections lines of hifferent shades. rombing in eironar ares, ame forming by their decu-sation mimate fozeneshapul praces. By thiv elaracter, which is puenented by every portion of
 jvory may he di-timornislad from every other kimd of tonthonbotane anil from bune andi all artifieial imitations of ixory. Nthomgh now ather teeth except thase of the elphiant pronent this eharacteristio, many other amimals, sumb at the walms, narwhal, hipgputamm, vermu-whale, de., jumens teeth wr tusks which fram thatir lare size amb from their den-ity can lat now for many phaysers in the
 proynotion of the ivory of Emropean commerce consen from feylon, Inlia, lburma, finehim- "hina,

 in the revions of it - fratuction. Tlat bulk of the ivory mold in the: marknts of lambon, liverpon, and Antwery iv from the lirican eleviant, and it condes irmat the interion ly neanly wery ontlet from that enotinurnt. 1 small anomat of ivory, brittle in ynalits, is alas obtitimel fow northern

 frosent mil of the recion. 'Tlue inory of the thek
 ealmation ly the matmfartarer, macsmant if its












 years ralues have remained ramakialdy stealy. 'Taking west cuat drican 'tueth of whil duality, the friee may he said to have averated tiso jing "wt. dariny the ten bears 1 sso 90 , aldhongh acempl

 the prive of gronl ivory in lato. Selewted tweth, and
 sulile, may command atomt $\pm 10$ pur ewt. The 'phatity ammally imported into Enrme arerages 12, jut iwt., ami in the East there $i$, worked mp, about gono ewt. more, to procure which not fewer than 40,004 chephants monst lee sacritieet. Beyonid this there most be many thonsands of elephants killed every year in Africa to supply tu-ks for chiefs and head-men, which they une jurofnedy for the omamentation of their dwellings and grases. lyory io conspyed to the enast ly dave lalomr : and it has repoated! heen sain that the extmetion of tho African ejephant (which with the fresent emormoms slaushater seems likely ere fong to be achieved) would secure the shiphesoion of the slase-trale. Imoner western emmmaties ivory is chiofly in demand for knife amd other handles, comls, piano keys, billiand balls, chessmen, and for carval lirures and ormaments. Dijpe is the principal seat of the earyed ivory trame ; that nearly the half of the material used is worked up in England.

It lias been assumed heeanse of the large slalso of iwory used by ancient artists, some of which are still extant, that they jusseseal amethof of sotening. bomding, and llatteming the substance, the recret of which is mow lost. One ancient anthor indeed mentima a means of softeming and bembing ivorg bỵ means of atid solntioms, and varions recipes are fiven 1 m nedieval witers for that lurpore: bat these ife not formil pacticalble. It is allwed that immersion in a sulution of phaspurie achl remders ivory pliant ami tram-lmeent: fint that is done at the expense of its textare amy Ma-tidity-in bort, such treatment deprives the mbitance of the very qualitien which render it valushle.

Tho une of irory can be traced almost to the earliest periogl at which there is widence of the exintere of man nuon the earth. On frasmenta of mammoth theks which have heen picked u! in the
 drawines of mimy animals, some now extinet amel otler - no bonmer inhahiting Europ. executed winh a phirit and tidedity which are simply marbelloma. From that time lownwards the rexarls of ereag civilinent commumity demonatrate the impontint place oceumbel ly ivory, aml the high ermmeratial そulur it fussomed. lt was : sulatance di-tinctive of royal state amj anthmity in amejent monarellie: : and we read that Kiner hamomon emande a qreat throme of ivory, There still rexint examplas of
 Hames, and Mr latyard in his Nimeveh excatatime




 ami many of tho grathet ambl most fathon- worliof Phiblian and hive follow-artists were e 'lars-



 amily than flates of ivory, jomed in diptych or
 of anch diptyels wore commonly mate lay exnala on their atymintment to otherials within thaid
 times which wot evist are mans remain of comsulan
 for＂erlesiatical parpones in the form of talilets


 seenday nee jt was carved into chess－man，mimon cases，conlas，＇aliphints＇（lmating and temare lumas），ithe anmerons ofler forms．

Ivory，Vesiatisle，This rarioms material is
 mereroterfe，which ghome on the Anilean jlains of l＇ras，and on the hanks of the river Maghalena． and otber parte wf sombt America．It forms the typu of a hatumal onder，the l＇hytelephasicas，inter－ nerliate betwern the Patns and the serew lias
 tuft of light－mmen pimaterl leaven of extriomalinaty si／n and levaty，like immones ontrich－teathers， riving from 30 to til feet in liefint．The fruit．


 anmalar fam，eiull hat hoing nearly ats latge an
 meree．The kanels of theoe muts whon ripe ：wo exevedingly laral anl white，in faet they mesmble isory so combutely that few mames have ever bean hetter apmbed than that of vegetable joms．Thas are in extensive use hy thmers in tho mani－
 trinkets．T＇wo or thare millions of thase muts are now imported into livitain ammally，amb fore chiefly naded by the london amb fimmins－ hant thmers．－Fur another ivory subatitute，see （CELIALHIL。

## Ivery－blark，see CHABrosL

Iron＇y Cobict，a part of the morthem coast of
 districts between＂aper l＇ahmanal the river Asoini． Its westran protion belones lo liberial its eatenn， now comoted ats part of the fold roast，is shared betworn linitan innd France．The name bears no foliticat meaming．

IVrést，it town of Pienhmont，un an eminemer at tho senthern eme of tha Val ildontit，Bs milem

 athont 100 Har, it has a catholland which is sup－ funed to werngy the site of a tomple to Apollo．
 the carlowinerian of it maryuisates Ghe of the
 king of laty（y．





Iney a vilame of wor loun inhabitants in the Fromeli departmont of Eume， 16 mile＇s NXIV，uf





 （ $1-91$ ） $292,335$.

Ivy（lledeme，al en＇rome of plate of the natural
 montly matives of tomiat comatrins．The flowners


live or ten cells．－The（＇mmmon ly（ $/ 1$. Kelir）is a woll－known native of lithith，amb of most pats of

 Mimbing on tress and wallis to it irvat height，amd
 monas of andial rootlets，which it thows ont int
 in very ared phants almost the thichnoes of amall
 leaves，elothing bare witl with ernm laxuriance， serve to throw off ran，and thas rater damp watl． dres contrary to a rommon prejulioe that isy trimb to proilnce dampmes in walls．In owler to arcomplish this，howerar，it requires to la phaned anmually，for if allowed to rmm wild it andmis rein to the watls hes its projecting hromehto，ams no rembers even dry walls damp ly preventing evaporation．It in－ furs liviner trues by eonstriction whe口 l＂rmitted to grow upon them．The： thowerime bramelnes of ivy hawe ovate，entime laives．very diflerent fomm the athers，amd
 jeet from the elimb ing hatheles．lts －mall wrentinh llowers are probnced in the： lnemming of winter， and the mand hatack lnates swedl darines winter arn！ripen in thr following April． The berries are ＂agerlyeaton by many himbs，althmordt thas have a follyerot later，and contain a bernliar hitter bins．


1yy－lowing the acriat lientlet．．． rible called hoderine．

 from the stom，and actasionally und in modicine ats a Mepilatory amb a stimmant，ant in vamish． making．An mintment matn from the lations is



 rommiod with iys：the lionnathe mingherl it in the lanrel erowns of their jroets．


 on the continent ats Énglish ley，in partionlarly



 ［cw will andal and sher blotehed leates．lay



 liks turnontim．
IXiont，a king of the lapithar，the fathor of
 for the tratemems mamer of hia father indalw．he Wes taken up imo hation aml puritied hy has．
 ment he wan hatmol to a diery wheed，which molled for ever in the shy．


is the latest anhlition tor mar alphabet, and lam-been inserted, as the tenth louter, mide $i$, fom which it was develoneel, just ins athe ar follow ${ }^{-1}$. wit of which thex arone. In the Ifthentury it liecabme the farhinn, in Pro. rencal am! Ciatalan J心s, 10 leminthen the leber i inter ther comm $j$, witly at tail tumen to the left, as a sort of ornamental intial at the lominning worls. The
 niner and the vomel-anumb in the mindle or at the emil of warls, the initial forn $j$ after at whle betame
 the couronantal sombl, the mentind tom $i$ locing getained for the vowel mond. In the lith centus thiw mage, which newor leached ltaly, opreal to France anl Enolan!. Int it was not beiore the

 Kines dames lbible of 1611 the worl- $J$ seses amb juble are printerl Irsus and infopo.


 form, of eonfu-jum with and other leteres. The lot remains an a witne-m nut omly that $;$ was developed wat of $i$, bat alan of the fact that tha evolution of $j$ Was later than the practice wi lutting the $i$.
 sound of doh, aw itn jommol: in Fremell of oh, as in jour: in spani-h it repuesemte the ham! eha hearel in the suththlow, a- in fows: in froman it retains

 Ifmissei and .Juhut. Enerlioh matn latue I' нisst $i$ and Firlint.
The consmantal sombl of the loburinlaj is fre



 Eneli-h, lufore the numbel witn insouted, we lima

 rheme for jome. Ghatacer hien pentor where the


 (s.ufficy.









 (3)
 monlern Italian, in which wo hase forait, fimentui,


if leiner esarlet in the same manner as in Xididla English.

 sW. uf Jllahatmal. Stamding at the junction of the Fant Imbion and lireat Imbian Peninsula syotems.

 town in the Central Proviness, has a trale worth ahout to. 1 Mo, 000 anmmally, and mannfacture corton,
 st.t-1. -The sistreet of Jahalpu has an arma of 394s ay. m, and a popmation of 7.45 .146 . Whe dicision, nnte of the font inta which the central

 fontila ate limblas.

 -torkis leing that the lith is a little chaved mowards. There are fond speries, which are fonnd in dirita, India, Instralia, amb smath Americat. The best knewn is the Aneriean Jalinn (II. (emerictmen), which is found from Nexien muthwath to the
 from 4 to istet in height, witi white flumane except on the heal and neck, and al massive lifl. The Jabinns of Imaia and Anstralia sue sometimes elevated to the rank of se'jarate : wornera.

Jaborandid. Lnuler thin natno : mamber of
 actons, are known in lirazil. In Eanowe howerer,

 teet hiarh, blighty hanched, the hamohes ewot,

 pars, with a terminalleatlet. Each leather is almut
 ate at apex, entire combiteobs, amb rontaninos a mumber of platuls which thow as dot- azatiset the
 of lamail. dalmanali is othomat in the latitiols





 dine. There are alob pineront is volatile oil amb it










 bebalten las thr sulministration of atmpint



and in varions eonditint where it. siadagum or diaphoretice efleets atre desinable.

Jacamatrs a small fanily of billiantly-molonved himh ( (ialmbinde), inhalititg dense forents in tropal Amorica eant of the Ahbes. They are
 the Puth limis (bucconilie). The bill is lenge and usmally staight, the feet are slont ambleehle, the front thes ane mited for some listance, the phanage exhibits a rich metallie somendme. They feed on insect. The whito equ (two) are laid in holes excasated in sanly hanks. 'leednically this family,
 tha l'icaria', sumbinim l'iender, lesine the patihinds, and at a meater distance tomeans and wombpeckers. The tspe in Fulluth :pellomber, resuldent in goblen green; . Tucumerops gmondis is the largent spectes; the members of the renm. I rogalla shine like lhack stecl.

Jitrana (I'toreter), a family of hirds allied to the Diails (lablibio), but differing from them amd from atl other hirds in prosessing extremely bomg, slember, stratight toes with long, sharl, fointed elins. They lave pinted $s$ purs on their winss, and many have a shidit on the forenem like coots and mumbens. They are fomm in all the tropics, amb :ure binds of elegant fluman, frequenting swamp, ligoms, and marshes, where they wailk on the Iroal lhating leaves of anditic plants with the :reatest eate. The gembs Parra (ten species) in widely distrib.


Common Jacana (Imore jeremet). nted in the warm parts of somets America, Afirim, Ania, and alo the Australi:u rexion. The Common Jacana (l'orcit juretert).a somth Americian species abandint in Guiana aml brazil, in alwat 10 incheos lones, of a mack colour. with neck aml shombers of at redhish-brown tint, and with yrem wing-itithers. The other
 asizman) of the fanily comsists of only one surcien. the Pheasant tailed Jamua, which is condinel to the oriental region. It is the lagest of all the latanan, ame is fommel in luliar anf "rylon, where it inhabits marshes and reedy bomks, ienling chately on vepetahle matter, hat ako sh shells ind water inseds. Thu then forms exedlent eatims.

Datcarallda Wood, a sery had, heary, hrom Wond, itson called hosmend thong mit the trus
 surll af wes. 11 is homath from Somth Amorim,










Jariath, of lywerm (Ital. gimeintu, Lat.

of Zireon (I. $\%$ ), of varions shaten of red, pansing into mange and poym-red. A prefect stone hat it peenliar ghlden latre mixed with its rich omare, and womh fomerly have fetched a hinh price: lat the jacinth is no longer in findion. liy the aneients it was highly pired, and many fine intadi were expented in it, motwithetanding it- hamers. which exceeds that of chatcelony imel its varieties. An tigue intagli in jacinth, howerar, ahom invariably exhibit a mowhat rabled on won sufare, which is belioved to be the to the somewhat jurome texture of the gem. lacinth werns: in many hasialt. tulls, and sme granitoin phatomie rocks, as, for example, near Expailly in Alwerge, and at Cakel on the Rhine, in Rohemia, Sixony, the Tywh, Norway, the 1 rals, Greenland, se. It is likewise met with in the form of grambles and rombed orsotal. in the hed of certain streams, and in alluvial lepmits, as near Expainy, in the herwiene, and in rettain streams in Ceym. The jacinth or lyarinth of jewellers is not a zirem at all, but some variety of garnet-renerally ('imamon-stone (q. Y.) : anul sometines ferrurinous quartz, which, from its almanduce in gybum at (ompostella, in Spain, is rallen IIymintly of Compostellu.-S Sergoon is the mam given ly the Singhatese to andther ariety of zitem. It is usmaily wray or colomless, but often shows more on less ill-felined tinges of green, hac, red, and yellow: The smfaces of the crystals have it Instre ahmost rivalling that of the diamond. It W:a at une time sumpen to be an inferim variety of the diamont, and is still oceasionally sold as $-114 \%$,
Ditek has been from the lewinning wemerally nsed in England as the equivalent of Dolan, the mont common of Christian names, lout it is unt a little curimn that it is really the Frenell Jocemes (till the 17 ih century phonounced as a dissylable), amb so throngh the Latin Jerobus and birenk Sukibos from the Helmew bionqu, dacols. Others. however, explain it as a shortenerl form of Jumhi", an oli diminntive of Johem, Jehon, or , Ithen: trom the nonthern foms of which again. Johmine or Jumbia, we have Juckeg :and Jumf: The contempt that follows on excerive familiarity attaches itnelf in mont Emopran langmagen the the name lolm inn its equisalents: than we lint the Italian Giortmme, whence Zamui, omr Kany: the
 French Jew, with its signifation in compomm troms of fool, enthohl, and the likes and war own ungarisms, "pvery man oforl' for all men withat distinetion, a "fuck-of-all-tind", amb "a , Jhhmy" for a man of no particular aremant. Again, such
 ding,' 'juch-an-apes' (with intrusinn of "for Juth"ribes) wint in the s:me dirention. From the sense of familiarity it came to lue used of various
 comat attembint, as in "hoot jactl' and hee litelom "jack' which turns the -pit. Somewhat similar atre
 small howl ained at in a gitme of lamlo, and for the henees in a pack of cards, ats well is for a matall pike as "pmsed to the full grown tish. Again, in complete hamony with the anse are such com-


 show the same seme af faniliarity withont the arompanyiner rontrompt.
 of the situr apou- with the Breal froit (y.v.) at native of the Bant huthos. It io a larger tree than the heal frolt, and has harer frot.
 natme of at montur of opecten of the gemm lana
(sene Whi), which are in many resuect- intermandiat
 the hose typical amb whespend form, sometimes gres under the mame of the Common dackial. It


Common Jackal ( Cemis ampere).
measures ahout 3 feet in loneth, one thirel of which is ocenpied ly the tail, whilst the height is about Is inelies. The animal': lualli is strumif. the muzzle is more acute than that of the wolf, libnter than that of the fox, ani the lowhe tail hame down as far at the heel. The rars are short, less than onefoursh the lenuth of the heal, and far apart: the paril of the cye is round. The colom in difticult to define: its prombletint is a dirty fawn or gravind. yellow, lecoming thacker on the bark and sides: the under surtace is white, redida-yellow, or gray. and there are mot monfrouently ill-tetined lark land on the shoblders and himl-guarters. The home of thin weciex in the sonthern part of Asia, from India (inchuline Cevon) ower Pervia, Aralia, Palestine, and tia Minur, Hence it has spread, Jerhap following the track of armies, to Xorth Africa, the Worea, and Dalmatia. In it, hathits as well as in its stmeture it exhibit-charaters intermediate lietwen the wolves and foxes: like the former it honts in packe, fiko tlue latter it is nocturnal. When on the chave there animals howl nont dismally, ant make the night hideons in reaions where they ahnamb. The ingularly apprapriate Arahie name bech ('howler") has reference to thin hakit. So far from awilins the provimity of man. they penetrate into village in search of "flal and carrion, and they will aloo enter yarla, houses, of tents in the mort shameles maner, and earry of whater take thein faner, shnetime articles alonhtely moatalle. Thes romber a cortain amount of urview an seavorer and by killing
 equivalent for the danare they canor ing their depredation in shempolifo and joultry yorls, as well as ordiarle and vinevade. In many listricts they com-titute a veritahle conere, and cim only la.
 follow the larger carnivone to forel man theil leavings, a lathit which has wiven them the reputation of looine 'the lion's providers. Ther are extremely cmuming, and in oriental fable and jur. work tak the place of our rexnatil in thi- rempert.
 refore in many eane to them. Acombine to sir Fomeron Temient. thery halatnally hisw their herty, aml if uharved will soize some inlifionnt articha and make ofll with it, as thmenthat were the oljenet of thair walicitumbe, returnine to thair real spail at the firt omboniont ormontunity. Tha
 half-inols in honth, warerly songht for as atherm. .arkate are reatily tamel, an! the likelihowl that they hase river diee to some of the flomention


Stripen dackal (ctenis lutwotis, (". uthoines) is a connectiar link leetwem the wolt and jachal, The extreme lenoth is a littlo wer a sard and the heintat rathor lew than hali this; the pupal of the widely separatel. Ther suries is rathor rate, hut has it wide distribution in Africt sonth of the sahara. The thackal-wolf (Gmis emthes) in even mome wolf like than the last, amd har heon dawed by dillerent anthors amony the whes on fachals. It is much smaller than the wolf, and inhathite Sorthem Ifrica. The lilack-bucked hackal (Genis ancsometo.) is sonsewhat more fox-like than the whers. anpecially in the form of the hata. The weneral buid is low. The ears are lare and rose torether, recalling those of the Femmer (nee Fix). The area of distribution of this species extends from Siddle Nuhia down the east side of the continmt tu the Cape, and perhaps aero-s to the weat coant alo.

## Jick-a-lantern. See Jgnis Fiteres.

Dickasco Latghing, Ree Latohing Jarkass,
Jack-boots. See boots hxid Shos.
Jackilaw (Corrus momedule), a aneries of erow. amaller than the ruk anl carrim erow, it ntmont length heing only alout fourtern inches. It is hack. with purplish wines amd tail, and a darkpray neek. It in a common revident in the lisitish T-lands, and is fomb nearly all over Emrone, in many barts of whels, however, it appears to he migratory: aloo in Asia amb the morth of Airica. It is not formel in America. Its fomd comints of insects, snails, and woms. It lmilds its nest in holes of elifs. ruins, and old trees. It frequents towns and villages, often making ita net in a chimmes, hy irmping down stick after stick till whe of them lecone fixd in their ohlique desepnt : aud on theo others are piled, afloming a firm latee for a nest of wool or ather soft subtance. The jackilaw lays from four to seven (usually five) hluivl-white eags, which are corered with mall dark-hown poots. The jackdaw is a social hind. It is ensily domesticated, and hecomes very jert and familiar. It has comsidmable prows of minicry, and may be tanght to imitate very exactly the hmman vole.

Dackson. (1) a flouriwher city of Mieligan, capital of Jieksom county, is on lioth sides of firmud liber. whids is here crowed hy seventem hrilue(five of iron), 66 miles $W$. of Detroit, and 37 miles $s$. of Lanimg, at the intersection of suteral railways. It has a nomber of home, pajer, aml planing mills, and of fondries and machine shons the Hichican Central locumotive-works; linewprios; and manafactures of furnture, carriare, wasms, boilers and machinery farminer implement. eorsets, soap, \& Ce., besibics lusut- atm! ham at the state-pion hare. There is a flowishing general trabe. Within the city limits, mad Close bi, there are several mines of lituminoms coal. Dackson was setted in 1930, and beramea eity in 心.




 tate chatahbs intitutions, and the ponitentiary. There is ar con-ilcrable trale in cottom. Dib.
 on the south Fork of the Forkenl I eer Kiver, 14
 wat of the South western litutist l'nimoty

 1'op. (1490) 10,039.
 of the [aited stater, wim hom at Wiahaw on the

 an imminrat from the north of Company Ireland, died a frw dase hefore Ambery's hinth, amd
 of the rewhathars war. After leme admitted to the har at salithary. Kurth Cambina, Anderw
 ment, and wa alpmintel puldie prowntor. ha
 Cobonel luhn Whmpom, supmons that she hat
 divme bot heines lawally grantod motil 1793. Jackwom hat the marrage cerpmony rebater. These airemotane fami-hed material for malignant attucho, and the irritahb Jarkem fombthe sereral dhels, in one of which, atter le had a ribl lwoken, he killed hiv antarmiot. la the new state of Thanemen dackon was a leanling man; after help. ing to frame its contitntion. he becane its representation in congres in 1790, its I nited states sphator in 1597, ind a jalue of its supreme comrt in bers. This proition he held matil lath, when he remimel. He gave mue sumpt to Aam Burr's hatifevealen selhemes of conpuest in the smeth-west, and when Burr was tried at lichomond in lso wan still his stealfint partisan.

When wat was lechared asaint Great lobitan in 1812, Jachom, being majomeneral of the state
 Nateloz, lut General Amotrons, the new seretary of war, ordered him to dinham them. Jackwn, howerer, mareleed then in a buly back to Namville. where som afterwath, in an atliay with Cohned T. H. Bentom, he was severely womded. With his fractured armstill in a sling, the wental took the tieh in septemmer 1813 anamat the (reek
 military genin was tion effectively displayed, wa aloned los a decinve sietory at the llomention lema
 forth he was familiarly eallod (hld llichory. 'In Nay 31 la wa mate majorgenmal in the reghlar andy, and apointed to comman! the deparment of the South. len-arolia in Spanish Fheridia heiner then fowe wed ly the Briti-h as at hase of ormat tions, Jackan twiok the rexponsilitity of invating Spaniol soil, stomed Pentanola, and when the Butioh thed withlrew marchal to Now Wrame, Whiel was threatened by Sir E: Pakmban with
 miles helow the cits, wheme alemer alitela extembiner

 fon, lokenhams tried to carry thene work ly direct assant, hat within half :un hom the british were rapulsed "ith a loss of etom men, inclatling thair commander, while the American low wan hat $x$
 able not mly for the muperedentol diop:aty of low, but for the fact that it wim fombint affer the traty of prate had heen signed at finnot, Inerem. buer 24. 1sla.
 chationd the kemindes, ani "arentel Arbathat

 Sfter the parelase of limilat Jockom wate it-
 was again ofocted 10 the linitell staten remate. In the mext your an a mationte for the prombency





state, lation and his frients alleged that a

 1-5 electoral when but of a tutal of ebis. The first perident from beyond the Allamanier, he was a typhal prolnet of the new remocratic ena-faries, honest, hat pompt to secide everything for persomal reathes. A striling feature of his poliey was the sueforing bumal of minor oflicials and filling them places with hio partisans.
 Maner in Js31: "To the victor helong the poils."
 quence of him charateristic hat fatile chlont io campel acial reconition of Secretary bators wife by the families of the other secretaries. The secom calmet wat in the main componed of abler men. Martin van Buren, who hat hern seeretary of state, was nominated minister to Fompanl, lof after ho hand gone almad hio confimation was defeated in the remate hy the eastime wote of Viex-porident Calhom. Thin strmums adverate of state some reighty was now menly opposed to dackion, as was slown at a hanget in 1s30, when the presilent wise hin fanous tra-t - The Federal Inion-it mast lee preared." and the viep-pendent re--lumped with anmher- Liberty- deame than the I'nion." Condrems maljunten tha tarifl in 18:32, retaining the potective sotem which hat prevailed singe the peate of inho, and against which
 and oppresice. On Novembry 24, 1832, its state convention adoped an orlinance of mollilication. Preadent Dackmons pardamation, prepared hy
 in serctasy of state, ahly argel the whole gue tim, and lechared a firm detemamation to exemote the laws and preatere the lion. ['niter the lemberip of Clay, comgress alopted at compromise
 it-minance.
The forsidents seto power was math mome freely used hy Jackiom than hy his fredecerams. His mont memomble we was that of a hill to remen the charter of the fonited states lomah, whim lueame the ehaf imue in the prosidential emmatan of 1432 . Juk om, having ontamed 219 ehectral


 at thind who was not condimed by themate isued
 tion, hat dackon hat a dowing triumbly when the
 admintration the natimal ache wat fully paid in
 was matered to bedithiluten to the seraralatates.

 vomels daring the wars of Napolom. In 14:31 Frame hatreaty aged to bay sionotoro, hat

 make mp the ammat, and Frame after a photed paid the elaim. Jachomi- recenml letm hating Mapred ma Datel 4. Nas. he retimed to misate lif. at the Hermitage, bear Xabloillo, wheme he still watchen with hem interat the what pulitial mavernente of the time. Ite diad at the llomit. : 20. June s. 184.
The boost emphlato liography in by dames larton (3 yols. Sew York, mall: For Jackamis almanistratim.
 nther histonich of the 1 nitul stater shomht le examimed. See also ble life he W. (i, summer, in the "American




 artilery，and grabed two brevets in the wat with Hosion．Ile retimal from the amo in lsiat，and

 and retigions earmenthess than for his womes an a teachor．The thols remmand of the comienemate
 ginia．and commambet a hrigade at linll limm， where his tim staml gated him his mom de forerom of＂Stonewall，＂＇momed to majur－wemeral，in thew －pringe of kiso in the cempraign of the shemandoala valley，le out－genterallod Welowell，lionks，ind
 Lower Shemandmah thenothrew Ferlaral atmites，two of them of suphrion strmanth to his own．Then， hastening ly foreal matiles to liehmond，le
 the Comferlerate wapal relieved，retmonel to dofat
 I＇ope：slepmit at Mamamas，anll his corps bove the brunt of the forsting in the victorions meond battle therr on $30 t h$ himant．In linth september be wiptured Harpus Ferry with la，0mo prisoness and To eanmon．ami the next dis，after a tryme misht matel，arrisel at sharbhure，whom his presuce， in the battle of Autietam，－aved Lee from utter di－anter．Shancen！to lipntemant－ancral，he com－
 ｜fwember）．sum at chane llarmille on Jot May Intit hlowe Honkw latek within the Wildernes． All next bay．Jacham wan on the mareh，moving roumd the taink of the National army ：at nishtfald
 ceblonville．liotarnime from a rewnmaimante，



 tha julol of live trongon and his power over hi－men



 Parton（ 1503 ），and li．ľ．Hemleran（Is！as）．

 Ie in 17：－herame onginist uf the eathealral．He pabli－hed mans song and emazomets，besides



Jaffkonville．（ 1 （equital of lomval comety， Flatila，and the primeipal lonabum town in the










 foltila prairie remion，at the juncetion uf meveral









 lope（1580）10，52：；（15：30） $12,935$.

 hekah，whome history and chatuoter are wriphivally described in the thons of bomenis．He amd hit family fullowed bomph to Ersple wher he lived for seventron sears：and，dyiner there，he was qariod to llebron tor hamal．Nimy we in the histary of datol（on whom Isbel，the name of the natim，
 than a peramal one Jomation is fropuratly matle of Jutooh hoth in the（ Ohl amd Vew Tenta－ ments，amb there are alsomany lomathe alout him in liabliniad amil Datristio on well as in the Johammedin literature．The names Jomos， Jonelu＇s，fromemon are all，as well as Jiefoh anil Yobould，varions moblern itrivatives from the Helnew patriarel＇s name．Sed Jrus．

## 

 YW．of Shikatur ly rail，mear the belnchi fromier，has cantmments，a mistency，and anom－ modation for the trade earavinn from eentral Avia． Here is the memorial tomb of tienoral John Taeob， commamdant of the Simullupe who fommed the plaw in lsti，and lieal heve in isis．Pop．In，3ヶ2， incladinus cantomments．

 The son of a merchant，he was traineal at frank－ fort and Coneva for a morointila career．Jint， abrambonine lomsiness．In was in 1－70 appointer cmaneillor of finance for the juint chelnins of biilich ans lierg，and thencefomaad dovotel him－ self principally to Iiterary and philonopheal prar－
 witl，（ionthe．IIamam，Domterwels，and was se－ quantul with Wieland，Herder，Lessing，Hom－ sterhuix，amb others．In 1 stot he was smmmoned to Jumich in commection with the newly－foumber
 dent in sum．He died at Mani•l，Joth Marm 1s19．Dimohi wa not a sratematie thimker：le elahmateal 10 system of philosapher．He had he－ come convinced of the trutlo of ma in two lealiner inces：and from the stampunint they gave him he examined the chiof modern phitosophiex that were known in his day Ilis distinguishing doctrines are these：philonomy as chabrated by the under－ stambing ramot transcemb the phere of sense－ given materials，amb consepuently an never pot eonvietion wi the exintence of shols thinge as Cont， immontality，de：lat man hat yet ammther fandely wherey la has immadiate contiotion of the leial existrnce of things－viz．reamm：lis his farmety we have immediate comviction or lielief net only of the
 of the reality of thi highers yevitios that lio lacuond the approlacinion of semat．Thaing thereviows for








 （1799），and other areational writines．Ilis works

 （ $1>+i j$ ）．



 lator ondinaty palemong of Wathonation at kimine

his name is best known from his liveovery of ellijn ic functions. besides this he olic most valuable work in comeretion with differential equations and the theory of mumbers: hix name is perpetmated in the throry of determinants. In 1 sog her phblithed his mont celchrated work. Fundemente nome Theorion Funtionum Ellipticerrm, for which be reeeived the medal of the Academy of sciences of Paris. Mont of his other invertimations were phblished in Crelle's Iomermel fur Muthometili. lacehi was acpuanted with fianc, Lusendre. Alel, and other great mathematicians of his own day. In 1842 he retired from his chair, owing to ill health, and sotted at Berlin. lie died in that city
 (i vols.) were pmblished hy the Rerlin Acalemy in 15s1-91.

Jacoloins, the mombers of a politieal elnh whill exercised a very great inlluence during the Frencl hevolution. It was originally called the (lwh Bictom, and was formed at Versailles, when the states-general assemblet there in 1789 . It than consisted exelusively of members of the States-general, all more or lew hbemal or revolutionary, but of very different shater of gimion. On the removal of the court and National Asembly to Pari thin elats hergan to acepuire importance. It now met in a hall of the former lacolin eonvent in the line Sit Honore, laris: the Dominicans of France having come to he known as lacohins from their chief larix eatabishment being that of St Jacpuen (Jecolus) in the line St .laeques. Hence the revolutionary asociation received the name of the Jacobin Chit, which was first niven to it lay its enemies ; the name which it adopted being that of the Someirty of Friouls of the Constitution. It now also admitted members who were not members of the National Asembly, and helod reunlar and pmblic sittinss. It exercinel a great induence orer the agitation, of which the chief seat amd focus was in the capital, aml this inlluence was extembed aver the whole country hy affiliated societios. Its power inreased, mitil it became greater than that of the Natiomal Assembly. It formes hranch societies of chats threnghoint France, of which there were stom not less than 1201. When the National Arembly disolved itself in september 1791, the election of the lenislative Assembly was mainly acomphisel under the intluence of the dacoin clut. Amost all the great events which followed in rapid suceession were feterminal by the vaice of the elub, whose deliberations were ramided with more interest than thome of the Lecisfative Assembly. It reached the zenitl of ite power when the National Comemtion met in siptember 1 zan. The asitation for the death of the king, the stom which lestresed the dimmtists, the aseitement of the lowest classes agatinct the bungroisie or midile chasese, and the reign of terror over all France wem the work of tho dacolins. lint the werthrow of Robnyinere on the ! the Thermidor 1791 give also the deathilow to the damhin chats. The matie of its mame was dentroyd; and the bacobins songht in vain to contend againet a rawtion whiel indeaseal daily lath in the comvention and among the pople. A liew

 elowell. Its fitere of meeting wat som after de-moli-hed. - The term tatohins is oftern empleyed to designate perans of exteme revolntionaly senti-


Jarobites (from the" lat. Jomomes, 'James'), tho name given after the liewohtion of liss to the atherents of the "xilul sthats-lames 11. (1633-1701) and hix son and 1wo grandens, Jamos Francis Elwarl, the "hevalien dret (ieorge (164s-

 were perniten from the Gatholies, the Nonjurors, the High Churchmen and Torion semetally, disomtented amd plare-seking Whise the Episenpalians and Highamloss of footand. and the great bomly of the lrish people. Oxforl thronghout was a
 ive obedience, and the 'divine riont of hims: whilst Cambidge, on the other hamb, was ath for a l'rotestant suctession. Firat came the tattle of Kibliecrankie (l6as), where fell (irahan of ('laverhonse, and the Irish campaign ( 1690 ! 1 ), with its lattle of the Bone and the treaty of limeriok: next, in 1696. the Aswasination flot, the chipf actor in whicls, Sir cempe Burday, eseaped, hat for whieh Sir John Fewwick, Sir Willian l'ak yus. and Sir John Friend were executed. Then in $1: 15$ there was the twofold releelion-one in the lligh. lands under the Earl of Mar. another in the borter country under Thomas Forster, M.P., and the Eand of Ierwentwater. loth practically ended, in spite of the Chevalier's subsernant lamang, on the selfsame day (13th November) with the indecisive battle of Sherithmir and the sumbinder at ['reson, where nearly two-thinds of the 1.50 privmers were conts. Seven nobles were sentpmed to death, hat only Kenmure and Jerwentwatre sullema, Niarn, Carnwath, and Widdrington being reprievol, and Nithstale and Wintomn escaping from prisom, as likewise did Forster. Not fon the list or the last time, the inferior prismers fared worse than the principals, twent-six being exeruted, while own a thonsand sulmitterl to the kiness merey and petitimed to le transjorted to the Ameriom phantations. Ahberonis expedition to the Weat llighlands (1719), with its 'battle of tilenshiel. was a putty attair compared with the 'J. or with the nine monthes relellion of the th, whe hero thrmongut, as indeed of the whole Jacobite movment. was "Bomy I'rince Charlie.' It insened with his laming in the Hehrides ( 2301 , Intr), and clomed with lis emshing lefest at (inlorlen ( $16 h_{1}$ Apil $17+6$ ). intermediate events beiner the vilors of lyestonpans, the eapture of Carlisle, the ranime of the Hanchester regiment, the thming at hooly (tith becember), and the victory of lalhink. This, more than the '15 even, was manly a sottislo, manly inleed a highaml, relelliom. The thelinh bicolintes as a hody ledd alouf: :mol of the chiof victims leheated, one only, Charles liadclythe (Herwentwater's brother), was an burli-hnan. The others wore the Earl of kilmamock. Lord Palmerino, Sir John Wealderhmo, and land Lovat. The Eatls of ('romartie and 'Thanair were let off', and nearly a thomand piamors had their deathsentence commuted to tramportation on foread molistment; lint lifty were handel. In stont old balmerimos arowal, "If the (ireat Nomat hat set ap his standard 1 should have bollowed it, for 1 "ould not starre, we sep one ty in of the hacolite: another, much haver, was lavat. Who played for a dukotom, whilst hoping tor risk nothing, for he sent his son ofl to fight, amb himself stiverd at home. The last dueobite hanged (on oth dune 1:38) was Ir Arehibath (immon, brother to loveleil: and in $1 / 22$ the hast of the licoblite heads fell down from its spiki 1 pm Temple lar.

This sketch ly means exhanste the lise of motalle dacohitos, which comminen at une time on

 Rob Roy, Willan Law, Bishop Athermm, t'itto Hame, lar King, latten and Murtay of Brongh-
 Fhora Nactomah, sir kobert Stranes, and Samel hhason. Was remanturs the fortor's worls about his frominn ( $1 / 62$ ): 'Now that I have it.

I am the same man in every respect hat I have ebre ben：I retain the same principlas．It js true that I cannot now curse［smiling］the llomes of llanover，nor would it be decent for me tur drink King．orames liealth in the wine that kine fientre grivo me money to pay for．But，sir，I think that the freabire of curaing the llomse of Hanter and lrinking king lamess health are amply own－ bathaced by three bundred pounk a year．＂There spoke an honest Jacohite，and there tion oroke tho spirit of the are．Jacohitism might linger on as a tradition amons the Sonjurars，the very lact at whow hishope died in 180.3 ；lut as an active prin． ciple it had longs since become extinct，the pawon of such extinction beine lese the disasters of its aullerents or the worthlessness of the eanse than the growing prosperity of the nation at lange． Brati possidentos had a donlle aplication，to sult－ ject $=$ no less than to sovereisn．

The pothumona Jacentitiom of the 19th century－ ＂Charlie o＇e the Water nonsense，as borm term it－was largely an outcome of Scott＇s spemlin］ romance，Finerloy（1814）：and mans，perhaps most of our lest－known Jacobite lyris were com－ buad he fort－Jacohite poets－lmaris，Sutt，Hosar， Lady Vaime，William Glen，Allan Cumingham， de．This same 10th centurs．which has hearil mase of reguiem said for I＇rince Charles Elward by a Protevtant minister（1ぐか）．and which han seen the Sthart Exhilition（18se－s9），has not lued without its two stuart pretenders．They were －John Solieski Stollerg Stnart．Count I＇Allanie． （159－1892），anl his brother＇Charles Ehuat． ＇omont d＇Albanie（ $1799-1880$ ），who were cortainly the ons of Lientenant Thomas Allen，R．N．，amd whis claimed that he was the son of the yong Chevalion．

See the article STEWART（with works there citel）fur the exiled stuarts；other articles on per：ons and events mentioned above，and on William III．，Anne，George 1．． II．III．；the histories of Macaulay．Stanhope，Hill Bur－ ton，Lecky，and C．S．Terry：the rullowen Paters（1＊1．5）： Hogg＇s Jucobite Palics（1：19）：P．Chambers＇s Jocoluti Memniry（ $1 * 34$ ），and History of the Febelion of his
 and their Adternts（1n45）；Mrs Thomson＇s Memoirs of the Jucolitits（145－16）：Dr Doran＇s London in Jarolute Times（1sar）：W．K．Dickson．The Jucolite Attempt oi
 in Mournim（Scot．Hist．soc， 3 vals， $1895-916$ ）；and $A$. Land＇s Prince Cherles Eiluard（1900）．

Jincohites．in Clumeh History See Gimefi Сम＂нси，Yol．V．1． 398.

Jarobss Ladder（Polemomium carulenm），a herbaceons perennial flant of the natural orler Polemoniacea，common in the centre and sonth of Europe，and fund aho in the temperate jontso of Asia and Noth America．It has a smootlo sten $1 \frac{1}{2}$ to 2 feet high，and a terminal panicle of brisht blue（sometines white）thower，with when hamud 5．lobed monlin riseat medicinal virtues wor once aseriben to it，hat the only gnality which it seme to pruess is a slight astringenes．
Jiroblus．a golld coin．of the value of twaty－
 1．（10032－2．）．
Jirotot．JEAN Insern．the inventor of the ＇universal inethen，of cellucation，was biom at Dijum，in France，on 4th Marel 1－：0．In tho
 collier，depaty－lirector of the Polyterlinic．Srlmoi． military wotary，and thr holler of varione por feworial chairs，as of Mathematic．Rnman Law，
 Yeare later was appointed lecturer on tho Frenell langure in the nniversity of Lomatin，and after． warda director of the military Kormal Schow，II． died at Yari－， 30 th Jaly $1 \mathbf{4 0}$ ．The fumbinuental
principles upon which hiw－ystem of wheation math are that the mental capreitien of all men onferpatl： the unergual rembts of edneation alejwinl almont axplusively buon will ；every prom in alde to edurate limself．proviled he in mane otated in the right way：knowlemge shoubl he aropioted in the tirst pare through instinctive expminnet，or he the memory．For example．in imparther a kmoleder of a language，he luegan makimg tho jugit commit to memory a single jasoryen than he on conraged him to ：thly for himeelf，tirst the seprate wowls，then the letters，then the wammar．fonl lastly the full meaning and inungt．lacotot＇s stem has snme joints of revemblace to llanit．
 his views in Enssimement Lnirersil（1823）．Sere Life loy A．（Gnillari（Pari－，Isto）．
Dicquaril Loom．namel after the inventor， Josph Darie Jacquarl（1：92－1434）．Soe Weary N：

Jarquentart．Jleses（1837－S0），French etcher． See Exikivich，Vol．IV．p． 300.
Jiculurvic，the name qiven to an inamection of peasants in France in 18：s，when the Fremh king John was a priwmer in Enimat．Tha mohles
 hamme：＂hence the worl Jacquetie．＇Ily，rising wa－eansed by long continned upmexinn on the part of the nobles．It hoke ont in the mindinenr－ lume of Paris，hat extender to the lamhe ut the Mame and the（lise．The ma，mitnle of the danser forcell the nobles to make commom talue．and in 3th June the leasants were defeatol with great slangher near Meanx．This put an end to the insurrection．
Dintitation of Marriage is a falso pretence of leing married to another－a wrons fur which the party injured could formety ohtain redres－ly as suit in the Eccleviastical Cimirt．Imrioliction in arch suits now helonge to the l＇robato and divare Jhivion of the High Court of In－tice：but the －nit is unknown in modern practice．the English lay boing clear enough to enalile patios to aner－ tain withent litiqation whether they are married or mot．In scotlanl，where the law is mot on elear， the mit of declarator of futting to silane iin． photing an eml to pretendel claime ：mower the same furpose as a suit fur jactitution．Tlus， in the famons lelverton case（labl）the latys adion for declarator of marriage was mot hy a aros－artion fur declatator of gutting to silence．

Dath i－a name apllien to about lion varimine of ormanental stones．hat shombl la poproly
 from the（ireek mothers bectane it was sulpuned lie the ancient．to have virtue in what dimane． The nane is from the Spanish ifult．The thenk （from the Latin ilio），lecanso it wan holiewed to mure pain in the site：atnl the mineral was hromelt by the paniarls from Mevico．Trus jate is a native silicato of whimm ：unt hasmesm， tomph，and of varimic hatan in grown．sellowi－h－ gray，and gremintwhite It in mon motat line，anel it is wery lared，hat not coverasively ent，




 It is principally fomm in thina，silatia，Xiow

 in Priti－h Colmania atol Maska．Mthomatiand smamente were hrousht ley the sumath fom

 the majority of thear rematel joule nomanot－wore
of true jade. The ' Imazonsotone' for instamos is not, hat is a variety of miownline felspar, while

 as uif jalle are really of seplentine. A vatiety of jate fonml in New ' 'aledonia and far llarquesan is known as "Hopatie jable, dilturime frome the oriontal variety in thet prownome of lime amel magnesia. The Now \%ealand juln abo dithers from thee Siatic, and many of the somes used ly the Datoria Kmonn as hotiofe Romen do not contain sume of the inserarable inoremients of true jatie. The real jade frmm in New Zealamd in known to the
 fomme alomer the west eroast uif the south inlamb. They work it into ammots, mumments, and even axpheath on acenont of it, hambess. ln New Cialedonit and sume of the other l'aditic ishambs jatle $i$ also nsed for aspheals, and thus has beoom. known to mineralogivto is axe-stone.
 so highly ax in I'hina. And yet a croml deal of the mo-ritled ('hinal jate is realli jableite-which is a silieate of abmana amd abilnm, and therefare a dillogent chemioal comboum from thue jable. Juleite has a briofter colom, and is harier than
 liuleite is also fomil in limma. netr lahamo, and is dombteses the shlostanme of whieh many uf the old Hevican and Central Ameriean mimments were mate. An Esrptinn searaborns in jorbote has lemon fomm, and ases of jarloite have lomen dixcoserd in the lake-twelline wi montral Emapme althourh the mineral itself is unknomata Europe.
 mately carved. It is called F"opli, of "atotone, amd has for ares been mbtained fom the Kam-hun Mountams, where it in fommal in veins amoner the
 and the south of the klontan prosince. . Jade fionn that dintrict has heen linown to the Chintese for wer two thousand ratr. Sug line darkeren jate is fomm n+ar bituman, in siberia, in lonfles.

Tho mines of chinese 'lurkmonare, so far at i . known. the only mine which are mandarly worked. There are owor one hamdeel of them, riblling ont lares monntain-wite with tark tomme diving aceren to Joner wallerits winling in all dibections: in some ease phereiner risht thromsh th lhe ather sile of tho monntain. "The mineral is fombly in veins several feet in thickness, hat nof full of fisoures that preqfoct bork arr not often fomme ai more that a few inches thick. It is for this reamon that buge picees are so valuallo, amb am umally reservel for the inarerial thilnate. At 'anton there is at sreat bate market. where the mimmal itaplf as Well on etl sorts af artioles male from it ate

 thase alo as lear to the (himme limpos as diamomes

 for a matularin will fotelt t:3n: while for a
















There is no natural jobe ammar the rock furmaLoms of Switarland, so that the monmonts of the bakedwellems mant either have hem bromeht by fleir ancestors from Saia, or har heen ohtained in barter from some of the momarlie races of prehistoric times. In Shehliomann reported jale celts amones the ruins at llimarlik, and in the lixitish Mnsenm there in at at ey limfer of jable amones the Angrian and lbablonian relios. The jable ormaments of lalia mast have heen lmonght from central 1 -ia.

See Fischer. Nophit und Joldet (이 ed. Stuttgart, 1ss1): Neyer's Catalogue of Jarle Articles in Iresden Mustum (Leip. 18s2 83) ; and Miss Gordon-Cumming', Wenderines in Chinn (1sisj).

Ditel. See Itenorinh.
Dicll. a city of Spain. capital of the province of the sume matme, is picturestuely sitnated on a tributary of the (imadalynivir, se miles N. ly V. of Ciranala. lis uhd Doorish walls are fast crimmb. lines awity. It is the ree of a hishop: the catheoral
 Alom: the town was called Joyyene-horia, 'Jaen of the Silk, on ateount of its silk mannfactores, for which, however, it is no lomer famous. - The'
 part of Ambalusia (y.s.). lies wholly within the lisain of the Guadalunivir, and is for the most part momntainoms. (onnplated by the Moors on their entrane into Sbun, Jaen maintained its inlepentence as a Domrinh state till 1246, when it foll into the lands of Ferlimand III. of Contile.

Diflita or Jorpa (Iheli. Irfo: in New Testamment,
 Gyia, 53 miles $V$ VV. of Jemsalem, of which it wathe port in Kins lavial's time. Hence Jomala saled fur Carnhin: heve leter hal his vision. Emdel Constantine the place, which lial been destroyed by Vmpasian, become a hishopsse, amol, as ther oreat bambingr-juce of the Cmsalers, was takion amb retaken Eft ('hristian and Monden. In 1799) Sapoleon -thmodit and massatered his prisomers : in lis32 it Was tiken by Nebemet Ni, imb restared to tho
 ancient walls, the yellow sami-hnmes, and the ratensive mance gandens are now the chitef fortures of the hown town wn its hillock, which presesese several European comonlates : a lamding-stage amd chatum-honse were ereoted in lsss. There is a ambiart wily to Jerosillem (the toll of which was




 sxis. The total exprots (wheat and fruit) are


Daflinap:afint. a co:port in thre extreme nortlo






## Ser TITRく.


 lomemia. The nama is derised fomm dagelfor the

 In 1381, and was (184i) apmontw sumeson to his
 Hmatary, in the formes of these kingloms, altor having embanos chationity, and ehanerel his name to I, adialan: II. H10 was sucerecobol on the thome of Polams hys sis kimes of hiv lomete the
 Thomeg at sister of the lat, however, the dimathon
dynialy was comtimed on the lobiah thone till


Latli－lats，the fourtla son of the Jamellon（＇：a－imir IV．of lonaml．was elented kiner of bulbenial in

 lanlishan died in 1516，and was suecented in both Kimerlems by his son，Lonis Il．，who was deforated and slatin lin the Tarle at Mohatro（2thh Angunt $152(i)$ ，and with whon terminated the dagellonis of bohemia and Humsary．

Jiogrondorfa a town of Anatrian silesia，mone to the fromtier，by rail 34 miles $W$ ．of latilom and is NW．of Tropman，has mammetmres of woollen cloth，linern，＂gins，de．Jop，l4．7日．F＇rom 1：37 there was an indemement primejpality of Jisem－ dorf；in 174．its territories were disiled between Prusibil and Acotria．

Jiacerry．Lee D．ITE l＇sLM．
 most beantital of the Felintas and by fin the strongen aml liercent of the American beasts of


Jaguar（Felis oncor）．
prey．The jagnar is neally equal to the tiger in sine，lut is leos masoive，nul han shomer luse．The suft，lich fur varies in colomar from yollowish－white to rery dark lown or blatk：the shles，sloulteres， and thigh atre matred with date ring likn moto， larger，and arrangel in more reaular poittame than
 several small black points．The hlarkerural
 hat tha whatetriatie markins ean lee sen in certain lights，and the arombl－chlomr varios ortatly even in members of the same litter．＇The jonduty is fonmel all over sonth Ammacer exomt in some parts of lititamiar，and in Sorth fureridet iss fars morthne the lomtas of＇Trxan ind Sonth（＇alifornia，
 shatly lamke of rivers and lakio．The formb of the jowntry is very varion．Wilal luman and malas are him favarite prey，lat birds，turthes，atal



 evon a jagnar lare not＂heouly attatik it latel of
 sitiol，in in conmest himmetf in at trate till at lartal








structed a naval station om its shomes．Nom WILHELASHAFEX．

Dalnt．．Wh⿰工凡心夊，a Patholic hillical critu，wa－ lwhat at Taswite，in Moravia，in 1750．Il．las． rame profecor of Oriental Lanernages at olmito，
 mownted bohlness of his riticiom，the that Jab， Tholit，and oladith were dilactic freens，and that the New Testament demoniacal pussemion wit the result of matmal disease，althomg mot fomalls won demmed，led in 1806 to hi－honombindratiremont tu a caumury of st stephen＇s．Vienma．I1rashed August l6，inl6．Jahn was an industrious writor，atul his Einlitumy ins Alte Testement（1792），Amberolemgin Jibleer（1805：Eng．trans．ly＇T．（＇1 pham，Isto），
 really remarkable for their time and cimenmatamem． besilps these he puhlinged many mimmals on the erammar of Hebrew，syriae，and Araher，an edition of the Jebnew Bible（isob），and a commentary on the Mes innic prophecies（ 1815 ）．

Jillat．＂TTu，a famome arelatoloriat and philu． logiot，was lourn at liel，June $16,181 \%$ ，and stulical at Kicl．Leipuis，and berlin．He next travelhal in lrance aul ltaly，makiner a leurdicmed stay iu Fonme，aml returned in 1539 to lecture at linl， whence he was ealled to direifowalil．In lat lie aroepted the ehair of Archaology at Leipriy． and liere lie fommed an areliowhendal sorioty， and wovel as director of an archarologionl masemb． Deprisell in 1s．in for his part in the pulitical move－ momes of ists－49，he locame in 18.55 profecsom of the Science of Antiouity，and simetor of the Acalemie Irt Musemmat limm，whence le was
 The died，however，hefore entering on his mew daties，at（ Gittingen，eth September istog．

Taln＇s contributions to archeology were mumberdos， ant of the first importance．Here may only be nanmet works on Folygnotus．The Hellenische Fiensp（1846）， Fritho（1s46）：a lescription of the vases in Kins Lud－ wig＇s collection（ 1854 ），and works on the representations of ancient life on vases（1atil．1stin）；and a work on that evileye（1ato）．Dlis works in philology include erlitions of
 doserintioncris Alhniensis（1Ni0），the Drutus（1N4！）：and Oruter（1sin）of（icero．Juvenal（1Nis）），the Parmb．
 the Electad of sophocles（1sel），the stmmpusion of Plato （1stif），and Longimus（1stif）．Among his momerons whter works may lee named his elaborate and mateterly biography of Muzart（ 1 sing－60），a contribution of the tirst importance to the listury of music：Pemmmolle ．I afist
 （1stit）．

 fonm of＇Pyjum Fever（r．s．）．anol not it distinnt diactor．Di the preant linke，wwing tormpond somitary rectulations，this fomm of alimane is athmont
 the state uf $I$＇risemes that，in his lime the dinerase way very frepterat in the privom of lingland． althongh maknomn in those of the contituental







 Were intiontol diol．




from their wealth and inthene rather that from their number. Their tenets are in weveral reapots
 1-2 10 , bint they rememble in wher thme of the limhmanien! Ilimens. With the lomdhaists they - hate in the denial of the divine oriont and anther. ity of the Vela. With tha limamanicoll Ilimhas, on the other haml. they argere in abmitting the institntion of cate, in purfoming the escential

 than : hat thes diaresud completaly all those Diahmanion! rites whinh involve the dentruction of animal lifu.
demaling to their doctrim, all whocts, material

 nepl notioe omly the ninth and last. called Mokstur. (a) liberation of the vital spirit from the bunds of artinn-i.e. linal emaneipation. In reference to it thw Jitu- not moly aflim that there in such a state of manabipation, lat they detine the size of the emandiateal sumb. than phace wher they live, their fatc, nathres, ant jmmbers.

The prinoiples of faith are eommon to all ela-sps of dains, but some diflionemes bectr in their alotien, a- they are diviled into relisime amd lay order-, Futis ind s゙atombes. The Friti has to lead a life of abotinence, tacitmmitr, amb eontinence; he shomlal wear a thin cloth over lis month, to mevent inserets frome theiner into it, aml he shoulal eires a limsla to sweep the plave on which he is ahment to -it, to rembe any living ereatme ont of the way of danger : lut, in turn, he may di-pense with alt
 to the ohmervance of thee religion= amd moral duties the worship of the saintr, amd a profomed reverenor for his more pion- Inethren. The seonlar . Jin must, like the abetic, practise the fome

 at reptain seasoms, from salt, flowers, ereen frmits, roots. honey, graper, talmatoo: hrink water thriee strained, ard riwer lease a lifnind uncovered, lent an in-pet hombl lie downel in it: it is his duty alzo to vixit daily a temple where some of the imases of the Main saints are places, walk ronnd it there times, make an olverance to the imacre, and make some atherinse of fruit on flowors. The reator in a Jain templo is a lati. lant the ministrant prient i- not selfom a frahman, since the . Jith- have no priest - of their own.
'Tho dame fall into two princijal divivions,
 matn- - kibelad, the madd. lat in the premont day anoutien of this divinion wear colommed gammonts.

 white garments: hat thre prints of dillerence botwoolt the two divisimb are sad to le For), uf Whall $4 t$ are of piranomit impurtance. In the senth of latiar the Jains are dividal into two
 Pante. It is remarkalife, lowever, that amomest thestmelres they recornise a number of familien betwarn which mos intemarriag satn take hiace.

As romels the benthem of the dan crase it in still mone finticatical than that of the limamanical secte. The lighast rank amomest their numberleon
 alases, witl varions ulnlivixions they an-ion to the leifed saint-, wheh they eall Jime (wherne the
 hosilpa a varjety of other gemeric names. Ilare


 perantages with thity - ix surfehuman attrilutes of
the most extraverant faracter. They biotinguinh the twents-fomr fina- of the luresent age fonn carh uther in colom, statnre, aml lomsevits. Lashabha, the first dima of this age, was som potase in statme, amd liveds. 400,000 great years; whereas. Muhisirue, the etth, hand hegenerated to the size of it man, thil was no more than forty vears mon eath. The present worship is almost ratrieted to the last two ['irthakaras. The ahd viow, conlored lis l'rifessor Weber, was that the dains are a rembion of the Indian lmblhists who snceerled in maintaining their existence by a eompromise with Himbluinn. The Jains themselves strongly insist that theis faith is older than buddhism: amb . Incohi powes from the Jain text that Buddhion and obinism were developed out if Brahmanism lis a very
 earlier. Dodern Jimisn Sir WV. IV. Ihnuter de--cribes as 'a religion allied in moctrime (n ancient bidhlhism, bot hmmanived by sant-wormip.
Lsil there wepp 448,697 Jains in liritish lnelia.
See Oldenbers, Buttha (Eng. trans. LNeO): Thomas,
 Davils, Hiblurt Lectures (1881): Jacobi. dinina sútras ('Sacrell 1'noks of the East,' (lar. 1'resa, 1855): and for the mantrons and heantiful Jain temples, see Fergusson's Conce Tentules of Indet (1sivo), and Euroces's Butdhist and Juma Cotes (2 vols 18N1-83).

## Idipllr. See Jeypore.

Inisalmer (.teysulmere), eapital of the native Imbian state of limalmer, in liajputana, stamls on the edge of the lndian lesert, and was fommded in 11.36. It has several Jain temples. Pops. I0,965.' 1 lue stute of daisahner eont:ains an area ut $16,44^{-}$ Ef. m. . and l0s, 143 inhabitants.

## Jikitsk. See Уakt'тsk.

IIalalpur, a town of India, smibe NE. nit the eity of Cinjuat in the Punjah, noted for it - slawl manufictme: pop. I2, 839. - Thew is another ancient and ramal . Jalalpur on the . Whelum Viver.

Jinlandhar. See Jtult*Ner.
. Fillap. a well-known purgative melicine, is the ront of flumate furtore a plant of the natural order Convolrulace: It is a hative of the eastern slopes of the Xexican sierras, growing at an elevation of almat fono feet. Named from the town of Jalapa, it is a per(minal twining plant. with lare flowers and a tumip. like ront, varying from the size of a lazel mut to that of a man's fist. The ruots when fresl are white amd tleshy, and almomi in a millky juice. 'Tley aredher ny at all measons: of the year, and hence ane freat eanse of theno variation in size aml ampivits: dfter leemar lriad the roots are lown and wrinklal evternally, of a den'l vallwwish-mray cehbur fntmanlly ind have the consi-temee of worml. Thesir alonur iv faint and disurereable amb the tathe is namanoms. Fin now in medieine the roots are tinely jum-


- Talay (Ipmada purga): n, llew rat. Whaed. Jabaproriot conntains starch. suar. lipnin, and othere ineralisnts lont the aetive primedite is a reain which is ofliedial


## TALAPA

under the name or Seloper Irsime. The ammont of thi resin varies from 12 to 2$]$ per cont. It i-


 aten allanc or in combination with ablomel or cream of tartar. It and its preprarations are noml in con-tipation, remaldivease, and cerelral ationtions. Its action is limited to the probluetion of severer
 absitit the leminning of the lith century floe ardinary cone of powdered jalapr for an altalt varins from ten to thirty arains. a -romble womatilly actime -maty and safely : for milifren under a year ald the dome is from two to fise grame. The dowe of the commpanal pariler i- domble that of the ordinary powaler.

Dillapar capital of the Mexiean state of Vora
 It is situtatel in a chammine and fertile district, in a healths aml temprate climate, 4330 feet almee the sea, iml is neatly hailt and surrommed with

 loseyh. a lampital, and the grovernment oflices.


Ialiveo. a tater of Dexien, on the Pacific, with
 siorra Mivhr, and in great part forms a platean. T"lee chmato is healthy away fom the coant. The

 and calper mining and aymolture bave been the chief infu-trie-: hat within recent vears a


 jamet (1. W.).

Dalnata a town :und britivl eantomment in the
 bay. Its frmit iv celebrated, lomion sent to IIyber-
 town, $(\hat{2}-5)$ : sind of cantmment, 9933 .

Ifmatical. aboriginally . Tomomore ('Land of
 far the mont important of those helomging to (ireat liritain, iv aloont : me mile tor the -nuth of fula, and stretches leetween 15 4:3 and 1532 N .
 It $i v$ tivilos into three comoties, surrey in the eant. Nimblomex in the minllas amol (ormwall in the wot ; it - area is $419: 3$ - 1 d . ar. or a little more than the thate Enilish eonntie of the some manem with llampasive thown in. The wreatent lowirth
 and fation- l-knds, as wetl as the there ('ayman

 tains, whirh riae to $\bar{f}(\mathrm{n})$ feet. From thin ratran" nearly 103 strumas deacent to the cona-ts, hilit

 of blank liver, wholy attomb, bur -mall watt, at panare intu the inturion for 30 miles. Vixerlant



 mimeral woalth, lat mo minerals are "xtraberl.

 tho:




harbong of Kingelon on the wonth, which, previmus to the forat earthuatse of late, wan one of the chire cities in the Weat lithor, is 16 w in phee of




 dariner the day, the mean thus loeiner ho or st': bint

 requms. On the whole, the ishand is rery leathes invalidx wen come from the lated stater to enjos the benefit of the salnhrinns air of the interiot.


There are two rains seavons, whe in the midntle of -prinin and tlat othel towambl the midhe amol end of smmmer. In the latter the rains are exeeptionally heary: violent thmolersomms are frefthent. and hmrieanes sonetimes veemr. I evelome in Isxo dill damage to the extemt of more than a millim-terling.

The veretation is very luxariant. The primeval
 many valuable irees. such an halata, malneman. lognood, lighma vitat, instic, ebmy, fimemio.
 frim-are s.onow in great variety, alsa many of the fimits of mose temperate climes. Fuits were
 in ls:s). spocen. Iye-wornio, menlicimal phants.
 nil, amowtomt, maize, vanilla, pimento (all-pice),心と, ate extensively grown. A large extent of the rultivated area (one- fifts) is eloveted tor the growinne of tameanstos. Thin sum panture land occups the ereater portion of the mortl and west of the
 are sugar ( 33,600 acres in liss, 12,sou less than in 1six), collee, beqetables, imal fruits. I little cimeloma and cacau are also wrown. Tlas mongrmae impurten to pros on the rat- that informal the sugar estates, has, after exterminatinor the rats, hecome a plange, amd lam nearly extiopated
 inaret pents (expecially the tronhlonome tiolso) mbmum. The newrese, who ate mostly mall





















 Noravian ('hareh, ami 9900 of wher charchen-
 wovemment schools, will $94.85!$ pupils: Bexises (wo govemment trainime collemes for teadmrs. Secomdary education is leit to private intitation. - Jamaina ham lsa miles of malway and bou miles of telegraph. "The total exporto in is!ef hand a valoe of
 of the island inchain a laritioh gerrimon (the West

 is alha a atoni-military pelice force of abont 700 men. The pubdic andit of the indamb imomated to
 of a governor apminted Poy the Gueen, issisted ly it pity eonneil (which faltils the othees of an
 eloctive partly nomimateri ly the gneen or the \#blernar.
danania was discovered ly fohmons in 1494, and hefinitely taken poxsesion of hy the Sbaniards in lona. The origimal inlaghitants were peaceloviner lablims (not ('aribs); hat they were prace tioatly extinet in l6.5, when the inlind was eomquered by tha Enolish, an expedinon haviner heen sant out fon that phange by oliver Cronawell,
 formally ceeded to linglamel hy the traty of Habrid
 taken hy megro slaves, importerl hey the sumiank, amd ly livh amd eolmial immisrants, who arrived

 bromeht wer from dirieat. [umer finglisj ruld the chate ments in the history of Janamat were frequent refedione of the Daromes, a commmaty of rmmaway slows, who haul olitainet a trant of land on the north side of the inlam ; in lsal
 emanmipation of the matres, damale moviving
 The ehief result of this latst event was to mint the

 (1) work, now they were free. 'The liheration was fallownal by conceosions at remosentative and com-- titntimal rishts to the newly filnated fans.

 tran were mat mom frementy eonfermen on them.

 shtain lame without rent. 'Tlar mone valeat even shomenstal the expulsion of the whote white pupulathon of the inlaml. la lsion the diamonten wis at its beright. In thetoher of that sear the ne ermes


 thongh the fonishmonts indlioted on the rinter


 a difterent riew was taten of his romblact (swa
 contitntion was shepermed. A new constitution was fromer in Istib, mador which the islamed is mow wow mod likn an ondinary erown colony.



 A coblection of Jamaion formbeto was exhibited
with very satisfactury realt- at the lhilatejphia Exhbition of 1576 ; and an exhibition in Jamaica uf native prombet- was obrened in the antuman uf 1 sibo. New reads hate leron fommed, hamburs :aro lefing comsiturteal, ind the lian Cobre irrigation comal, henun in 1822 , will grive fertility to 20,000 acres of the plan hetween Spmixh I'own and kimgston. Thanks to the c'uban refagers who lave taken several of the longeforsiken surar estates, property is Jooking up, and the oflicial statements show that the export trave is increasing, thomgh sowly. Althomgh Jimatian has not reconered ith fommer commedeits brownerity, the
 enttivate then provision grmants with eare, and are cospecially artive in meveloping the froit trate. Extreme poserty is monown amomg them, and they are deserihed ats a haw-ahiding and inotlensive commmmity: See the Jomudert Jhomdlomh, issmed at the whemment printing-ollice, limgston ; and

Jamaicat Bank. Sec Chambe lishe.
Dilllilica Pepler. See l'mento.
Jamblonir, itown of Fritish lmin, presidency of lomhity, is sitmated 30 mijes sill of Bimoda. l'up. 11,4 -9. ('otton is prejured for export.

Jinnes. the name of at leant three persons who tomk inn active part in the fommlation of the marly Phistian elmareh: (I) Jimmes the lelaler, son of the lisheman Kebredee amb hrother of bohn, whe of the three chicf among the twelve ajostles, put todeath
 disy falls on July 0.5; in the crecel chanch, on Aril 30. Decobling to a baveless legend he
 reverenced as the patron stint of that commtry. (2) Jinnes the Yomper (the Little, not the 1 acsis), non of Alplatus, was likewise an apmotle, and is homonted in the (xreek ("hmed on thetolner ! hy the latholises, along with Philip, an May 1 . (3) Jamex the (ireat. the elilest insoner the
 xx.!1, 1) was stomed to dr:ith by emmmand of the hish-juient Anamis in 62 - .in., durimer the interval lew ween the departure of leenthe :mal the arrival of a new frocorator. The lant is idontical with the dinnes mentionexl in Acts sii., xr., x.i., anel (iall. i. 19, who wis the heal of the (luristian commmaty of demsalem, amb, secortims to leqe. siphos, bone the maname of the on-t. Ilis day fiall: in the freek ('hareh on obtoher 23 . Nast theolurians comsider him the anthor of the epintle which herars his name althomesh it has been ancribed to both the othors, ta the son of Zehodee so lato as 1876 in an inble eommentary by the liev. f'. 'I'. limsett.
'The lipistle of Jombes stimuls lint amoner the
 dremed in the lirst plice to the twelve tribes which are seatterel ahromi,' to the dewn of the Dinperxion. It was writton hy atew for Jewish
 the Jowish law, sum it wat momondedly written andy, perlatp about 50 A. 10 , at latest, cortainly before the destruction of Jamsalem. It eammet, lonwever, be proterl, flomsh gencrally amombed, that the epistle manat hase leen writem hefore
 A Mostolic commeil. Theme who reat into it a

 of comrse domatm, : will le sean, a later datr. The apiathe was mot ablatitad into the eathon withont some dithenlts, :anl it is not murh flouterd by the carlier writer, origen interel loming the
 pheces it in lis list of boolis controvered lint
recosnised hy most (Antileqment), and Jeroms exprome the dombt more stomgly still. Clenulit of Nexandria is silent alomt it, as abos is 'Tortullian, mur is it mentioned in the Whaterim Frasment. Rot it was early acknowledged loy the Syrian chureh, and it is fomm in the Pedito: while there is athmatare of lem divert prow, as We lime startling parallele and cuincislencen tom anmerous to bee aceilental in The sheplere of Hermas, the Epistle of Clemens liomanus, and lremans, It wat tinally dedared amonical hy

 Epphanins of Cyrus, Athanisins, diregery of Pazianzas, and all later theologians, down to the time of the hefomation, when it wis rejoeted by Erasmus and C'ardinal Cajetan, and atimmatimel by hather as a downight epistle of straw with nothing evangelical alwut it," from its sulpgoxed ematadiction to his fundamental Panine flogm of justifieation ly fath alone. Calwin disputen this juldment, and maintained that the epistle was not murorthy of an abostle.
The aim of the epi-tle is thronghout ethical rather than loctrinal, Christianity being prominently fut forwath ats the ethical fultiluent of the law, the procet man being he whose faith has constantly proved it-elf in practice. amb who is patient inder all tribulation. It echose closely the language and methent of Chint himolf: as beyschlag suys, 'esemially it is the teaching of Thrit, and thas there is little traching abont Clirit.' besiles the diecomses of the Master, especially his Sermon on the Moment, we limb di-tinct trace of familianity with the llistom of Sollemen, and the Ereflexitentiotes of the son of Sirach. Formalim, wreed of srim, reypect of persons, falselnoul, evil-speaking, lmating, wrangling and hittemes in lebate. attention to dormatic definitions instem of holiness of life-sum are the sins against which the anthom inveighs with vivil and abrupt invective. His treek is unushally pure, and some atholars, as Schmilt,
 that the epintle was tirst written in . Iramaic and afterwards translaterl.
The masage in the secomi mapter (14-06) has been interpreted hr many thob,yians as a direet attack on the lambe view of fath and jontiliantion, that christ ley hiv leath hat amemphisheol a new arder of salvation, in whioll the law, whim was mevely temprary, was now aboratel, and that thus Chritianity har hittol itself to lecome a univeral religion. But the undoubed litheremer of tone is rather that of a diffornt perint of wow than of conccono contradietion, :and hat the writer hat l'aul: epristles lefore him we midhe well have expected that he would have said mand mome. Indeed the whons treatment -ugerot- want of acpuantane with l'aul": "pithen far more than a criticiem of his doctrime, and the bombrequinal hy Jamex are not at all the worlis of the law comdemmen by laul. l'aul's conception of fath is a

 at poimul conviction on the simen's patt of the
 lunly Sife in Chriat and of lane at ono to coml and man. Tio .lamen, arain, faith is an atsont of the
 Mtosianis. Work ant vicarion maritice of ("hri-t a preliminary eomelition indeed of ju-tiforation and eternal salvation, bat yet somethiner still to the
 warel fruit of inward low. Comel worl arr ath external aldition to faith, uniting with it atnl
 justitication, rather than, as with laul, a amon.
taneous and visible truit of the eonefon-nter of a completely new lelation to dool attained thomph an antectent jutification. To, l'anl, say, Weis. this is an ant of erace in which rightemonose in imputed to the sinner: to Jumes, the ard of a judise who ba juidial deci-ion attest- the right. comoness as proved (Matt. sii. 37), and tho procures deliverance foun leatraction. lanl- ran ception is more philonophical and comprelomive, but it hey moms excluder the conception of dames, which is at nere carlier in time and alapted in the first instance to a narrower cirele of remers. l'anl's "mphatic Aefinitions were meant to ofme the Julaining paty, who wond have narrowed the largeness of (hrintian hiberty hemphasising the neremity for the work- of the Sionaic law : Danes meant to strike at the lingume Jewi-h notion that to he a child of Jhabam wat the most imputant consilevation. and that hevides this an intellectual asent to the special claime of Christ was sullicient. llis faith withom worlos is not Panls justitying fitith at all, hot the poritless faith withont love condemmed in 1 (\%r. xiii.
The 'luhingen ednol, as might have lnem axpected from its central a-smmption of an tarly Mrosition betwem the lenish and dentile paties in the Chriatian rharch, clamed the Epiotle of danes as a fulemic asoint lanl, and male ita anthor a prombuyons writer of later time, who empluserl the nathe of dome an an accepted tye of stinitualisen lewish Chnistianity. Sclaweler elaborated this view of the pintle mach mone fully than Bam himelf, remanding it as a paralle to the 1 lementine Homilies. He makes dhe antithenis betwern rich and 1 wor in the epmiste refer to sechlarived I'auline fientile Christianits, as contrasted with primitive Chistica Eliminom, and further realo into the epratle jolemical beferences to linenticion and the preverations of the time of Trajan. Hansath refers it to the ram merioul, and considers it a direct answer of dewish Chrintimity th the Epistle to the Hebrew. Hilrenfelf, again, pmothe it back to the time of Domitian, endianing the wiolom attarherl as Panlinion which had thrown the churd intu
 tianity of the writer in Esene and Orplice in character. Moltamann declares for the same date: mantaning the aremence of the epi-tle on the limbine epistle: together with the Epintle to the llehrew and the - Jpocalylne, on the lint Canonical (ionel, liont Peter, amd the Epintlo of Clement, and explamine the rich an di-timgui-hed abirant- to Chrintianty. Similarly Vin soulen plates the epistle in the time of the Inmitian persecutions, and pronounco the abthor, whem with Holtzman and others he tramsing to lame, as of a kimbed yarit with Chment and Ilemas.
leciles the penesal intruluctims of lilarh, le Witte. S. Davidsen, Milgenfela, Holtanam, Salmon. Dols, and Weise, aml the works on the Now Testanent canon hy Kirchofar, Overineck, Wentent, and Khhn, may he cam-




 of the Lord in disensol ander lourbat
Dames I.. Kine of Nowthand (1406 35), the
 bonn at Danfermbine in 1394. Ilis whemation way
 Sallows Ili- Alder bother, Divill, buke of latheray, a rachlens and dismpated joulh, houl
 nom promel, : sielin to the wnprinejpled ambition of lis uncle, the Duk: of Alhamy, and King linhers
resolved in liof to nemb his gounger sonfor wafty to France. liat, thomed a truer at that timerexinter
 the romor prime laul embarked was seiad by an
 Were carrind to lambon, athl ammaittel to the
 for the lonse pate wif tixhtarn rears, no dombt with the connisance of the 1 mber of Allntny, on whom the govermment of seotland had derilved on the
 some complemation for his erum injustice to the fomberince hy varebly inatmeting him in all the kaichty acommblinmente of the are and he not only lename distimeninhed for his dexterity in matial werabo- lint he conlal play well on the lute and harpend other moneal instrmments,
 in miniatome and lat aloo a consingerahas linos.

 reaney londer his feeble pula the comatis fell into a state of amodol, almost of antrehy, till at lenctl Mamberl himalfegrew weary of his position. and tomk -tum to procome the rethon of the lawfal movereisn. 'The modition of his release were dedinitely arramowh llay 12,1423 . It was stipulated that $t+1,000$ was to lue paid to defrisy the cxpeme of his maintenamee and ellucation. danme lat in a simglaty momantic manner wained the aflections
 sthament, nien of lichard IT.. ami wramblathter of John of Gannt ; and on Fabluary l2, 142t, they were maried with all the pusmp lefitting tha oceasions. 'Ther restl prair then ort ont for trotlanl, and were welabmed with joyon- aedamations.
dames fomm his kimetom a mene of lawlen excese and rapila. mainly owing to the weaknes of the womemment and the tumblate of the andle. He at anme mot himatif tarestore the beritimate anthority of the erown, and to resene the commona

 of hoth morev amb ju-liee. Eisht montla after hiv
 consin the former liwent Nhany two of lise cons. and hiv ayod father-in-liw, the Earl of Lemmos. 'They were bromeht tor trial, hat the nature of the charien aminat them in but linown. They wrow

 an ate of race rowne, bames then seized abl

 the fownoml Eant of Mareh of hi- extater, ant on thas doath of tha Earl of War, the viotor at liarlitw, her soized the varlimon ame ammexol its










 rondelmbel a miti-fotory treaty with bemmarls.






 1140 Whata linus.

His conliacation of the collhom of strathemon,

Which liad dewhed on leatriek (ipabam, lurought matters to a rrisis i eonspirater was formed arainet the kinats life, hambed hy his mele, the Liarl of Athole : Sir loobert Stewart, his grandonn ; aml tir lionert graham, mole of the Earl of strathearn, who had leremal as well as fumily injuries to revenge. The plot was carried into rfleet at l'erth on the eoth of lebhuary 1437 . The king was abont to retine for the night, when there was a great noiset and elashing of amms heard, amd a hand of asasmins lemb by Cimbant broke into the momastery of the liominicems where the emart was fesiding. The balts hat lieen removed from the chamber door, lint (atharine Ihmanas bemically thrust her arm into the taple. It was instantly bruken, and the fullians homet into the ehamber. The king, who had monght refuge in a vant under the floor, was diseosered, and after a desperate resistance wats
 hendeil in less than a month, and put to death hy fortures shominer to humanity. By his wife, the heroine of the Kimgis Quair, he left one son (his succesor) aml tive danglaters, one of Whom, Margurite JEcosse, danhime of France, Was a gifted fueters. dames was moquestionally the ablest of the stewart sovereigns, and wis busereme of hirh pretical genins. Itis pinupal prem, entilled The Kingis Quair (i.e. the kiner's quire of joobl), is remarkable for eleratnce of dictim and tember delicacy of feeling. The lamomons pinces Choist s Firl on the Gocel and $I_{\text {th }}$ (is to the Pley are much later emmonitions: lout a Pallad "f ('onal Cemmat), written, malike The Kingis fortir, strictly in the seottish dialect, is ascribed by l'rofresor'skent to James. See Irofessor Skeat's andithon of The Kingis Gumtir (soutish Text Sue. 1sct), and Ramettis moble hallan, "The King's "Trasedy."

James II. kinur of ceotland ( $1437-60$ ), wammly six zeans ohl at the time of his father's mumber. so abaming was the appect of athans that the quen-mother deemod it nevessary tor take shater with her mon in the eastle of Edinhmesh. Alomes with Sir Alexamer Livingston of lablemat she was entmstend with lhe care of the romage kimes lont Sir Willian Criclaton, who was ajminted
 kept poseresinn of his person, until the pheen contrived to convey her som ont of the fortress comeraled in a chest, and tomek refnge with Liviner ton in stirling ('astle. Crichoton was hesienod in his strombluht, and eompelled to make his sub. mis-ion. Homowhile the comatio wan hronght to the verge of min hy the fombls of the mollem, and
 the ondy restraning jomer. livingeton awniled himself of the matriack of the quevertowarer to
 her oflere as whardian of the hing. crichom and Livingoton became resernciled, and were bow the able rulas of the kinglom, till in 1449 the fonng King :ssommed the reins of wovemment. IVe dis-

 mont on the livingetoms far then treathent of his mather.
'Thu trane which land for summ yeare existed
 and war was rabewal on the Ibmers. leare how-




 antratrox. the impatrial arlmini-l ation of jontiot the protretion of the tranats of the femetal harons from -mmant "jerotion fomm their lamis, and for the pmainhment of matrathers. lint his elloris to
promote the encial weltare of the people wor greatly ohotmeted and thwarted ley the moldo.
 Earl Willian lent his whole mergien to whan fremineat borition and power, iml he rhteren
 and lows. Janmensited him to the eonat at stirling, and earnolly urged him to withlraw from lia encarement with 'trawforl and lins. bouplas in a hamphy aml insolent maner refneme to momply with thin requent: and the kins. whore temper wan

 piered his holy with twenty av womb. Aiter this atrocions inurder the frimols and rasals of the earl mate war on the king matil, by liberal promise of lam and homors, Land llamiltom and other powerful nallen were inluced to ahandon their canse: their entane ware then forfeited, and they were eompollof] to talse refine in England. dames was so irritated at the comblact of the Vorkint faction in protectime and petminume the exilent Domslames that he mowisely sufferel himself to he entangol in the contert hetween the rival houses of York amil Lamonter, and matheol for England in
 siege to lowhurgh cathe, which wat at that time
 lmating of a cannom.

Jamos III. (1460 ss), hom loth .laly lfat, -urereded James 11 . in 146t. 'The guardianship' of the comene monareh wa- entrusted to his mother and Kemedy, Bidup of St Andrews, a prelate of great saracty and internits. While the Earl of Angor, chied of the Phed bougliwer, was made lientenant-rineral. Conder their manarement the zovernment at the kinghon was "arried on jadiciously and sherewinll: ? lint the ileath of the earl in Ites ant of the hishor in Ittio, white the king was still a has. left the comber at pey to the
 whon was Lord Lival, high jutienitr. I, wal boyd's son was created Earl of Arran, aml in $1460^{\circ}$ he obtained the hand oif the hinges sintar, the lrincess Margaret. The amhition and arrorance of the famils, however, led to their downfall. The Lan of Arran flet to the Continent ; and after lis death,
 Margaret married Land Ilamitom (14it), whome de-cembants hecame he this allinme the meatent heirs the cromn: When the king reachen man-


 great kill in arolitecture: lint le wan quite undit



 The mobles were inslinnant at the shinh than phat
 Mrothere, the luha of Alhamy and the Dard ai War. Who were di-tinguthed for the er atrage and akil!




 Eumad, hing ai lagland. In rataliation tom an
 shmmoned the array of the hinglom to mathe: an intran intur Englatil. The army hal advanem an







Edinhargh. A recondiation was allewted letwerd the king and his lowther, bat it was of shot
 veedily renewed. They row in opm relvellion, and induced the romar heir to the flemen to luewne their mominal head. The ling wa-siplurted by one northern banoms, but they were ireatly ont maninered by the relsh. An encomarr toms plate botween the two hoties (1hth June 145 s ) at Sanchiehmon, alumt a mile from the fanous firld of Bannomblimen. When the batle wate roing etrainst the wablis the king galloped from the liedel, lont was thanw from hio hore at leatons Mill, and mudered. Jamen left hy hin pueen, Magat of Demanak, the sons, the ehtest of whom succeded to the thone.
James IV. (145-1.i!?) wan bora in 147: If.0 was my in his sixtenth year when he was induced to juin the disatfected barons in their reledlion
 that he was a mere prome tom in their hamb. The remure which le folt on leaming of his firther's murder, shown by his wearing an iron chain rom his waint and sulmitting to vaions other anterities hy way of penamee. athorls conelu-ive evilunce of his emscomans of suilt. His comionerates in the rebellion, as might have been expertom, thmed their bietory to their own alvantare. They took posen. sim of all the most impmant othees of state, of tha money in the ropal treany, and of the late kingrjewels. Ther hiad wen the eflimentry to accune the hesal harms of trason, and to deprive them of their estatec, which were diviled among the lealing conrpirator.

When the vomb hing reacheal maturity he exhibited great energy mil good sense in the adminExtration of pulatic adtais, in sindieatin: law and punishing erme, in encomasings thiphilding, and in developing the agriculture and manfactures of the emantry. Heprambally witherew his comfintence from the harons who had ineel him as a tool to gan their own selli-l ends, ant transferred it to sio Andrew Wool ( $\mathrm{g} . \mathrm{x}$.) and other trust wo thy cmanel lore James sigitantly sumated arain- the on croachments of the papal court, amblimy anserted the ecele-iastical inderendence af hi- kimennan Hi- romantic and rash dispusition induced him to
 who visted seotland in 1495 , and to invale Fins land in his bedadi. IIowerer, in Ita7 a trace for reven years was conchalod between the two kins. domes, and in August $1 ⿹ 00$ the Scotioh ling win
 VII.-an alliame which leel nutimately to the minn af the crownc. dames athahle manme, frank dis. position, and plembish hophitality madn hime himbly pmpular ammin his subjeets. find his friendinip Wha eourted by foreign mereigns. Hemry lll! Wha :wemteal the Englinh thom in liond, joinent
 to the zacient alliane with that comathe. letes di-putes arme hatwan tho homberes of the two conntries, and inroald wore mande on both silec.







 ham for her rahe to atvance then fer into lugli-h

 his queter and themontranes of his comberlon-



 2-
battle twok phate at Fimhan (9.r), 9th somember, in wheh the sentioh king that the thower of his molility and pentry lowt their lives. dames perreseal excellent abilitionam preat acemplinhments, bat he was healstrman obsimate, and impationt of cont ratictinn, licentims, fond of pheismos, and por


Jimes V. (1518 42), whe was bom on the loth of $A$ pril bis? ancemed the thrme at a most aritical furial : for, thmorla contrary to expeetation the Earl of surrey did not invale seathand, the kime dom was tom by intextine iends between rival factions. The ipuren-downere, headstoms amd bamionate, was apuinterl rexent. Nomt eight monthe after the hing's leath she gave hirth to a an, whondied in infincy; and fom months later she married the yomg Earl of Angus, lead of the Domglan family. Her maniane pat an ems to her tegency, and the loke of Allamy, son of
 from Prane amb ehamen in her wome. Amial the contumame of the rival French and English factions, and the private paiturels of the nobles, the comentry was redued to is state of ahost total anarely: The intrignes of Iteny contributed mot a little to foment the pevailing anomders. Albay, who insisted on revisitins litunce, rethmed after the lapere of a few monthe to find the flamiltoms and Donghaes at "fren wir; and, after vain ellionts to ansert the anthority of the government, he oltainel permission in the hegiming of lost to revinit Frame for a limited perioul, but did not retmm. Neanwhile the yomme ling hiod leen plazeed mular the are of the pret sir David Limisuly, who intructed him in all manly amd hineral aceompli-huents: hat hi-mother intermped his education, imb, with the assistane of her brother 11enry VIIl. in 15es, when , bames had reached his thircenth year, pat him at the heal of the government in order that she and her fation might misforen the kinghom in his name. She hav now Feethe tired of her howhem, and after a goonl deal of difticulty she suceceded in ohtaning at divare from him, dime maried yomar Henry Stewart, a mon of land Aromdale. In the following vear the costonly of the yonne limer fell into the bands of the bongliast, whon lepp him a close phismer until he math hin ecole in lises, and assumed the
 flayed areat limmess and resolution in carrying ont his julicions polier, thongh unfortunately his monal hat beetn derply injumed by the maner in Which the lame syophints of the cont had pandered tohis pizanions. He Despelled from the kinghom the Bonglases, who had entered inta a traitoman kage with Euglamb, severely punished the bomar fiee hantery, chatised the insument Hightaders, re-
 lam ;and the Xetherlanls, insituted the Conlere of
 aramat the tyrany of the bitrons. Ilis sympathy with the common people and his habit of visiting their homses in dixyrase proenres for him the Arigntion of 'the ling of the rommons.' In lata


 following duly. In Jume lisis dinne marion Mary of Caich, whan of the Buke of Lomgatill. athl sister of tho bahe of dinixe.

Neanwhile the primetpen of the wimmed fath wremaling pugres in tothond, and Itenry VIII.
 pulies ame tor repmiate the anthonity of the papal

 tion of the clerge, fomm it merewity to rely on their
sapport in order to modure the exaphatant power of the nobles. The bishop an thirir part strove to bring abome a rapture with limplat. With the
 Hemry invited the kemtinh hing to meet him it York in the antum of 1541 , and wated theresis days fur him. but lamen was inmond to beak his engasment, and the prond tempre of the English monarel fired at thr insult. Whar canses of ottence aroe, and war brok out hotwren the wo
 the Dake of Noffolk were onderedt to insathe Sootlaml: lat the attempented in mothins. 1 Neottish amy levied to oldowe the invalen athaned an far an Fala: the nobles, howner, while willing to suphert Janes within the Kinghom, refused to follow him beyond the fromticr. Another army was shortly after levied ly the exertions of the clergy ; lint the commem! of this amy hatsing been mavisely given ly the ling to a formate named Oliver Sinclair, the mobles derain vefusel to not. While the scotish amy the dispoteo, a bouly of English Bulerems fell ajom :and completely mited them at solway dow, taking many prismers. dimes was completely winwhelmed las this shameful discmatiture, and fell into a state of the deepest denpomberys. He reticel to lalklimd lalice attacked ly a slow ferer which nu shill combla remove, and he died there 14 th brember lote, in the thirty-first year of his are. We lef ome legitimate child, the ill fated Mary, who was only a few days ohl at his deatl, aml fix natual chidren, one of whom was the eelmated Regent lloray.

 Scotlasil ( $1566-1623$ ) was the mbly som of Mary, Gucen of Soots, and Ilemy, Lond Dimber. He wis bom in Edinburgh Cintle on the loth Jume lation, at wheh time unpleanant relatims lef wom Mary and her linsathd were begiming: bo dovelop themselves. Then fallowed the momer of bimber in Pelmary 1567, the mariage of Naty to bathmell in May, the rising of the moldon at "arbery llill in June, and the salsequent imphismmont of Mary ant enfored resignation of ler cromn. In conse-
 proclaimed ling of Scothad, 29h duly 1067. The nation at this time was rent ley fictome, and, is wis chatomary in seotland umter "hibun liang,

 (astle in the keeping of the bat af Mar, and here he receivel his elacation mondey the finmos seholiar George buehanan. Within Men om- Momy,
 the regency of the himmom, whe whon, in 157 s , the learent Morton wiondrion form buwer Jimes limself nominally assmmen the diecetion of athats.

 ing himelf in the regency. Nhut this time Jimen hegran to exhilit that partiality towats fivomites which was an entataterisile a feature of hin life; and an inemplinhel. but tracolent
 Whon le created lial of Jima, was the fivamite with where help and that of the Jake of hermes (amother fanmite) the hing was emablad binally to break the power of Montom. Siter Xatons
 his two fowmitos, but witlout lumbly diment tent and wrmbling on the part hoth of the hirk

 when the hing wan fordibly seiked ly a paty of his nobles, and maler their dirertion was obliged tos sinetion the infrimonne:nt if Shan and the binishment of Lemox. In 1083 a comater-plot
 retored Aranthbwer. The contederate boblower





 War condemmed lis the Engli-h comit to be exputed. Jament combert at this time taken in enmeretion with his previmu attitmbe thwats his mother, and his sulnament finduly allimes with Flizateth, has been severely cemaned hy Marys patisans, and in truth fom mot athat of much defence. lat the winter of losa he went thlenmath. where lie matried the Princol Ane (list-Lit!?)

 quently in contliet with the I'reabierians on the one hand. and with the lionsan fatholice on the other. Like Elisahetlo, lae lated Puritanim, amd Wa- not di-inclines thwath some monlifind form of Jomanion. The - bigit of lementerianism lie resarleal ato too demmeratio, and was therefore dis-
 did ultimately (in ligo) sucesed in establithome hishogr. In comequence withe tembery the himg
 binterian ministers: which dischminns, lowwever were mot altogether nowelcone to him, as he hat
 Roman Catholic low in the morth were in a state of semi-in-urrection: hat Jamen finally matemad
 preased. In $16(x)$ ercurred that stange episale, the (anwrie Cons inaty (4.s)

Darius the who of Elizabeth': lons rign the distarlingelement in Forsliah galition hat luen the question of the succeran the the throwe this was finally settled when. on the ileath of that inteen in


 reation of hio contimed bartiality tawarls favoni ites. He alondegraled the promative of the comon ha the sale of titlen of dientity: the title of haromet, which he uriginated, cmal the lamght for elown. at
 chief favomite at thi- time wat linhert kirr. or Citree, a scotelman of the bumber family of kere of Fernielinst. on whom he shomerem lomens: :and emolumantr, hatly weatme him bat of sumaret. When Carre fell ont of tivont he wan -ncereded hy the notorions Batkimatho. The king really






 Wialen, havine. the the ereat ariof of the nation dial

 a spanish primeson the kime was long suriom to
 projeret was mot sareecoful. Buckingham, whon wat

 that war hrike out lutwern the two conntrim.




 this atane of otamens charanter lay tathers that - hee


and a hervous, drivelling iddot who actal. Diy nume recent histurims, lowever, sula as bin
 hern treatend mone lanally and milny : but pertaps the lues [mpular mimate of the man, hia mennors, athel hi- pecaliaritio. is the yeprementation of him Which is gisen by soot in The Foutenes of N'ge?

The literary tastes wheh dames hal anguma mader the tuition of linchanan alymand in after life in cathon- work whith he imbed, hat mone of "hich ever hecame jumbar. Thene arr Exsmens of "Prontion is the lutate Int of Pesser (lost):

 La embulied his sumphat extreme viems at to the divine risht of kimgs: and the Comenternest to Tubuy ere ( 1616 ).

Fesides the histerians already namet, as well as Rortma, TYtler, Calderwoud, \&e, the following may he read: fome man's (crurt of .nemes' 1 , edited by TS \& lirewer te vols. 1s:3!) ; The recret Histompt the (bourt of hinet Jumes I.,
 Memoirs, Wellon's valuable Connt of Kiug James, sc.
James II. of Encland and VII, of soothond ( 16 S. - (s) was the secome sarvivine son of $C$ larles 1., and wa- lum lta betoher lises. A shor time heforn his fathers execution he ceabed to lhalland, and short! after wont to liance. Ile newed for -ome than in the Fremols army mader Trenne. and when he was obliged to leave the French torritory on the fonclnwion of pate between the burgi-h Commomealth and Lani- XIV. Se patered the military urve of 'pam. At the lestomation (llifor)
 made Lowd High hanimal of Enghamb. In Nownhar 16 bithe hail married A me Itrate, danghter of the Chamedlor afterwarde Farl of clarembin. lle lad

 sictory wer a butell fleet muder Aímiral "plata. In lif: he again enconturen, aft the cont of suffolk, the I Mitch led ley the celelpated De lingter, and the contlict. whish was ohstimatuly conterted, tomanated at manfall in a drawn hattle. On the
 asowal of his comberim to the lematn ('athotic
 Then A.t. remuing all civil athed military otlicers to

 of the Church of Smelame , lames was comsequenty
 Shortly after he mamial Mary danghter of the

 that le wat umden the nee-aty of retinime to the


 neremary to requine litu to remone nath fom the


 iblle main "Han his memery. Momwhile the Exaln-ion laill was acian intralnad, and was twice



 diaver viclation of the law towk his seat in the






 bue pandedeal to levx, an him own wartant, withont
waiting for the meting of garlitment, the chatoms and exedse dostes which they hat entated to Charles only for life. Jle sent at misaion to lionte, heard mats ostentabimsly in poblie with remal splembur, bevame, like hi, bonder, the juemimmed slave of the french kimos, and mate the intorests of his hingdom sulaervent the the mhtmas ame
 at his instatere, the permention of the forenamers was renewed with inderamd anverity athl equelty, aml a law wis pased enattiore that attendande at a consenticle. tither as a pracher or at hatator, shoult he puni-hed with death ann rontiveation of \&rosils. After the fatile reledion of , lamesin
 Asoike, prombed wer by the infamous fetreys, in wheh $3: 0$ perann: wion hatnged: the jumbial
 daced an coperially strmatimperomon on the pablie
 hing: own anthority his proseention of the seren hinhope on at eharge of seditiom- lihel, his conferring ecelesimatial henefieen on loman (atholies, his viobition of the rights of the miversities of Uaford amel Comblidge, his plan for packing parlianmont, and mamerons other arlitrary ami desotic ate showed his tixed letemanation to destroy the com stitution ind to overthow the ehareh. The inlin.
 him, and it lecame exilent that his expmlana from the thronte was neeenary for the welfare athl stiety of the nation. 'The intergestion of Willian, Jrince of Orance dimes's nom-in- law, was fommally mblicited is seven inthential politicians, and wain realily eranted. Ile Ianded at Tomay on the tih
 and beeran his mareli towath lamalon. Lle wis everywhere hailed as a deliverer, while .lames wite deserted not only ly his ministers and tronso, lomt quen hy his diarfiter the prineess Ames. 'Thas unforthinate kingr, on the tirst appeafance of danger, has rent his wife and infant son th franee, amble soon after mate his exame from the comatry and joinell then at St (iemmans. How wats lanspit. aloly receised by Lomin XIV., whosedted a pemsion on lim. In the following year, ainled by at shatl


 tomen to sit dermaine, where le resideal motil his

 to the Prince of orambe, aml Sume, afterwation






Sue the histories of Linglind ly Matentay, lianke, Linsgaral: liamet's hatorg of has than Trme. Hacphersma':
 (1-5): the lives ly U. J. Foun and (latk" (1Nli):

 (MEDi); Cumpatat de Civelli, Les Lermets staters it

 article's SEVI X Jinhan's, de.
 writer, was born in lomdon in lnol. 'T'lae wan uit








among the earlical limhelis" (1529) ant Hewry
 momb, Víminia, form lase till lsos, and ilten at Venice till his death there on 9th Nay lsoto.
 productive hyriad beiween Dumate and Nrs dun handelitle. Léioh limut writes kimelly of him, and sir Areabald Alistn eomble rever with pleanare

 his iwn homemen will he fenimblered heat, if hut


Jimmes. Site Hents. dirextor of the (ionomical Surver of lrelam! amb of the whatmer surbeg of the linded Kineriom, was lom near st deros in Pomwall in lais. He pasoed in 1820 ficmo the Itoyal Military dealemy, Woolvich, into the loyal jompueers. ln jist he was apponted slirector of the (ienlongoal simsey of Irefand: in ! stb heal of the Alminalty works at Portsmontly: in 1 sis dientor of the indnaluce shrves of the


 majomeneral in labs. de aliell at somblamptom un lith dune 1s.7. from hiv pent ame sereral work on mondogy surveving. Ne. inchaling (Bylmentio Tremomimutrical simety of lrelanil

 of zinato-photograploy it foreso whith he inventer



 it llenetond in lios, went to school at Cheltemhath colltoce and was talled tor the hat of the Nidille 'Pampe in lsore ln lsom, and again in ISol, he

 ('mancel in labio, a bencher of his lum in lajo:


 retmmed for bury, in lameathice. It mathe at con shlerable mank in the dehates on the dublioture










 Home-rule polieg; and in lsat ho wata re-clectad for Finy unoprosed, ats a likeral lammint. Ile




 wan hom in Suw lork, linh dpril lati. Ihe was





 ralheatod mater hiv fathors exe in Nern lork,



 he tersh his place monong eontemprotily :anclisto
with Porprom Ifmlasm in lsing．Nrealls in 1869 has hat misrated to Emonde，there to reside lys thrns in Fonotand and in laty．He is only lowe mamment as a critio，and his jarferot matery of modern firench literatme．ashed to hi－matmal mbetety of bereption，hat wiven a quitr exta－


 ＂In＂valne of the bator in partionar is matren be
 inate atmiration of his frimmbs．1lis Monthorne
 stady．lont vet umb corare abloguate to ite theme． besindes these hu hav pmblishal spraral volmmes of pen－sketobes of thine in the（1／d World，writen for American masazinss．an Poptraits of I／wes
 more important nowel uf apater or leme length aro





 （IS 49 ）．Some nf hi－elpherent work is to he formind

 l＇apmes（！心い），and A Lompom Lifé（1859）．

In tiotion dimes may be said to lead the English －Cotion of the inalrtioal sblonl represented in
 tom clever yommerritur．Hi－torips leal mainly with the inméntell live of lmericans liviner or travelling in Eurnprs．and theol main interent lies in the shbtho montrate presentert in the contact of a comparatively new witl an andient civilisation．
 ohdor worlh．and－nmo of lio－thdie－late lmen far from pleasiner to his rombtronme His ehorf want
 Frealth in hiv siews of life．Ilr hmans from a －tom！situation．even when it is raquirel hy dramatio neeponity amb hi－monstant foilhe is ver－
 Hin style is expr meat and ：ratoful－i meolimm
 andit for the represion of tho traphe and deeper sibe of nature．I virit of trampil paximiom breathes thromgh all his womk，lint the lomben of

 tionalint minicter．was lunn at Blandford Fomm．
 Arepur，afternards stmbiad for sh hom tima at a
























Sorereigns．and this was snecepted in the following yoar hy her suhtle and fascimather（\％ormeteristres
 npon which ste wore at this time were fomale latome penitentiaries．and lompital marsing．She

 liamhliss in Cunatue atnl in Into Mrimuirs unell
 remmombred，for her Mandmonl：to l＇ublir tindlote＇s in reml meror Lomelon（ $1 \times 82$ ）：Lives af Eerely Italion



 Fromios（1854）．ller work on mar lami amd －Ioln the liaptist as represented in art was romb－ ploted by Lanly Eastlinke Slan died at Ealing， Warcis ig，Isiof．See the Memoirs by her niore （ノ゙が，amb the new edition of her work－（ 6 vols． 150）
．Inmesonf．LeANIEL：Stanf，leader of tha rail into the Transval，was honn at Elimbumb vith Felmaty 15.83 ，stmelien modicine theme and at london，and haviner rome to the（ibere setted in

 anministrator fon the somtlo Jfrima Complang at

 hume hatwon the Itithater reform party amd the Bume ervermmert，Jamoson，who hy orter of thr Rhones．than l＇ape l＇remier，had concentated the military forco of lilondesia at Mafeking on the Tralustat frontirr，etarted with stm trompre do
 Whan they hat hern intimideted by l＇resident
 homs tho party emobnotored on lst ，lammary ls！ 1 an wrowhelming liner fore stromaly fonted itt Kin！ervilorg．to tha went of ．Iohammanme． priand ：und dinalimonted that no sulpurt eane to
 till their ammmation was exhaiantod amd till lame
 and tor men smmenterd，amb wor implimond at Dreqoria，but handed wor ere bomes the bivith anthoritien for trial．damenon，whon arrived in England twon montin after the rand．Wa in Angunt condemued to tifmol mantls imprimomunt．with．

 Jajesty＇s commicobion），to forn montla，ans－In

 trondere were bot funinhed．This disastrons raid pronnkel the Cierman Fompuon－conertandatory
 ment in linitan and meaty leal to war with （ielmatry．


 elionent in fallt to hlo ehatio of Nafmat llisory in

 a dowen works on minemalory ame grognosy （1．814－37）．









at Aherdeen, and aterwath mainly in Elinhurgh. of wheh he hecame a lomper in 1633. He was som in expelfat repute as a portrait painter, atul likenesces by his ham of many of his mot aminent contemporaiks still exist. Wie of his rhief patrons
 exemuted an extemine seric.o of prtrate, hath from the life and from earlier pictures, which are mow presured at laymoth castle and Landon llome. buns. Many work attributed to damenom-in not a fow cases falsely attributed to him-are preservel in the mansinn- ni sootlams. Wis anthentic work are paintal with comsiderable delicaer, hat are marten hy sery pomonnced manneri-ms, and their painter ha- little dain to his enstomary tithe of "the Sentioh Vian loyk. He died at Edinburgh in 164 . See .I. bulloch's (raturge Jomeseme (150.5).

Jillmes River is fommed low union of the Jackeon and lowpastare streans in the wort of Virsinit, and has its entive comes in that state. It flow in a cromerally east-smatio east direction, pasing Lumbhurg and lichonod; and, widenmy into :n extuary for the last 60 miles of its eomer, it fallo intio the Atlantic at the somblem estremity of (heapmake loy. It is 450 mila in fongth, and is naviquhbe for large steamers on 'ity loint, at the month of the Apmatom. It was at Jambinwn, now a mined village on the morth hank of this river, that the tirt Enalish settlement in Ameriea was fomed (1607). The damen livel and hanawha Canal, whill extomb from lichmond to the White sulpur sprines, fillows the winding of the river for a comsiderable dintan"e.

Dimes's Bay. the sontherly arm of Hulsm Bay, almut 200 biles long from north to sonth, and las miles wide. It is wreatly hent with islamis, and its navigation ix dangerms.

Jimes's Powder is the monlem reppantative of an oht motrm of Dr Roblert lanms

 in telnile atlections emasts of made of antimons athd phoplate of lime. It is Imt little used num.
Dimmestown. a village of New lomk, on ( Mantamptha lake, 70 mile s. hy W. of lattialo hy rail. It has mamiatetures of woollens and



James Town, the ehisef place and only sear port of Sit leclena (4. ※.).
Jami. the lant elassical poet of Persia, 141:92. See Pelsis (Litoratur).

Jamieson, Jums. W.11, a meritoribus Soteh seholar. was lom in thasew, Marh a. 17:3. stmdial for the mimistry, and in 1 ast was matand
 tion at Fomar. In bag he was tambated to Eifin-



 It is a worl of great imhnotre and of very comen erable valum an a cellection of stoteli worls,
 eal or phinhogial murit, accortine to the prownt stambat. Ili- pelininary lisertation on the

 languag is really the lietioh lampaye amb that

 $\mathrm{i}: \mathrm{in}$, if tha (arack and Latin language to the


 rual setatio.

Jilluma (.J"mm, a a town of Cashmere. on an athent of the (homat. lop. shme.
 Inma, in mothon lurlia, in 30 Sa' N. lat. and
 temprature is $194 \% \mathrm{~F}$, nearly that of boiling water at their elevation. They are owerhme ly then eomected mountains known as the dammoti leak~ (20, 160 ta $21,1.50$ fect ).
Janesville, a eity of Wisemsin. lies montly between linuld in the narow bettom-land of lack Liver, which is rossell here hy six bridues, 91 miles NN: of Chicago, at the junction of fom railways. The river is erosed by dams, and its waterpower is milised in the numerons mamiace toriw. There are a number of Homr, cottom, and worllon mills. two fommitre, and thity-four factories of various kinix. Fip. (1890) 11, s:ili.

Jinet, l'all, an minent Freneh phinomher. lemon at Paris, 30th April 1823 . Ife wis eatucated at the Nomal school, and was in turn teacher in the symanimu at Bonrges, amt pofasor of Philasophy in the faculty at strashurg and of hogic in tha lycemm Lomis-le (irand. In list he was elected to the Aculemy of Shal and Political Sciences, and then lar laptumb in the sorhonne at laris. He died 4 th Octolner 1 s99.

His hooks are Let Famille (1850). Histaire de lo Philn-
 Fumhe ur (1vio), Ie Matrialisme cmut, mpmain it Alle-




 (15:3).

Jinith. Jules Gabilef. French eritic and
 1s04, and had his eincation there and at laris. 11. took early to jonmalism, writing for tha Figuro,
 lif dramatic criticism in the last named jomal male him a reputation ly their wit ame viarity. lanim wote with fatal lhenes, aml his nambermes articles, prefaces, books of trivel, and miserelaneous pieves of task-work pleased his readers amb billod hii pelect-. lant did mothiner for a fathre fame. bat the "prine of critics wrote gaily for the present, lacking the instinet of perpetuity. Yet twice la calle near to writing thing which the world will mot willingly let die. His strange and

 interestiner book, half histomital nusel, half polemie anamat the Orhams family. Jamin succempol to Sitintebemes chair in ile French deademy

 and hiv Carrexpentlume was publi-hell in $1 \times 5$.
Janima (promomed Gumine), or lowsina, eapital of a vilaye in Tulk-h Ahania, stands in atriking situation on a lake ( 10 milo long he 3 homed) of the same nathe, on miles intame from the shore י!posite ther ishan of Corfa. Its

 whos headmarters were at Itmina. Goht lace






 , the tirst rexular stambing amy of the Turks,
formed hy sultan Orkhan, abont 1330, of Christian pirwhers compalled to embater Mohammetimism. and of the chiblren of "hristians forcibly trane as Jn*enfman. It was more perpecty orgatioend by Grkhan's sho Amurath I., after 13ide, marial privileges heine comerred on those who helonged to it. This smon imlucel many There to join its ranks. There were two classes of danizatice one regularly mpanixed. dwellinge in haracks in comstiantinople and other towns, whose numbers some. times anomed to 100,0100 , and the other compus. inge an irregular militia, mottored throughout tha empre, amb amonting to 300.0 on of 400,000 . At the hoal of the whole furee was an aga, who was hell in mom revprential respect and whose puwer extembed to life :und death. In time of beace the damzaries anten as a poliece force. In war they sorvel on font. and were moted for the wild inipetumity of their attack. The sultan: bodygatel was fomm? of them. But success aml special prishecon produen their usual eflects: the history of the danizarios alounds in conspiracies, assasinatims of sultans. biziers, agas, de., and atrocitios of every hind, ant in flat end they frecamr more damporms to the sultans than any foreisn memie. More than one sultan attemperi, but umbucponfully, to reform or dissolve them. At hast sultan Mahmoul II.. in INob, having organsed a new firee atter the pattern of the Enropean armies, hisplayed the that of the l'rophet, and after some nimpinary lifhting drove back the Janizaries into thair harratk. Which he harned, swon grerishing in the flamo. Sou ferser than 15.000 were execnted, and more than 20,0 mo hamilied. liy a prolamation of June 17,150 , the Janizary force wan timaly dissolveal : ito place wite takion hy the Nizan, the monlem rewnlats organivel on a Europan plan.

Jan Mayen Land. a volcanic idtam in the Arctic l cean, namon aliter the Dutch navigator ly whom it was diworered in 1611. It lies between Iceland and spitanuren, and is :3s miles longs. Its hishest point is the axtinct valeano of Beerenbero, $\mathbf{8 3 5 0}$ feet (Mohn. 1sui), the silew of which are corered with immenos rlawion and frozen waterfall. In lwo so it was mate the station of the Anstrian ponar pxpelitim. Impntant seal and whale ti-hinus are raried on eat and noth of Jan haven cery summer. For an aceount of the island. see Lord Duderin's Leftres fiom Migh Luti-


Jansen. 'onsmeles, from whom the sect of Janseni*t* derives it ~ namb, was lom in losio, at Aequin, neir Lerrim, in Itollimi. He made his stadies at tremht, Louvain, and laris, and from early yonth was familiar with amme of the diseighes
 For same time lie fitlen a chair at Laymme: and in
 apointer profown of Theologey In lia3t he was mate bisholl of Y"ןm, and in this rity lee tied of
 his grat wink of mom than twonty sabs prepara-


 the weca-ion of a great theologival eontronery The main olyjent of thi work was to prowe , ly an elalwate mandis of St . Dugntime work





 reputiaterl the untinary itatholice cheranal of the


 from external constraint (libertas if memfimen), mot inward necessity. Ila alsormad toramit memely suthicent grace, mantaininer that interior wram is irmostihle, and that Chrint died fir all. In the prefore Jansen sumited the work to the juble ment of the hols see : am? on its publication,
 with lond elamour, especially hy the dernits, thar A logustinus was prohibited by a dicree of the Ingini tion in 1 itl : in the following year it was ronlemmed in seneral terms, as renewing the errms of bajns. hy I rlam VIll. in the hall III Eminenti. This lanli encmontered much opposition in lolamlers : and in France the fugustimus fomd many partisms, animated both ly doctrinal predibection and antipathy to the allewed laxity of nom teachiny in the sheoks of the Je-nits, with whom the opmaition to the slugustimus was identified. Host eminent among these wore the ewlebrated scholas and divines who fomed the community of lont foyal (q.r.), Amanll, Xicole, Paral, anif others. Nerertheless, the sendie of the forbonne axtrated trom the lugustimes seven propmitions (sulmerpently rednced to five) which were definitively condemmed as leretical be moment X . in lan. "The fiends of the Augnitims. while ther admitted that in point of mot the live proprations were ju*tly amdemmed as leverical, set denied that in pinint if fout these pormsitions were to be fomm in the Ahmmtinns, at least in the sense imputed to them hy the lull. Amauld in a celebrated Letter admitted the church:- infallibility on the fommer quation, and the thaty of entire summioson, hut held that the latter was a question of historical fact on which the chureh mioht err, and that it was sullicient if the faithful rectived her tlecision on it with 're-grectful sildoce. Deantime the controsersy hat prohecel one work that hohls its immortality anemely as any book in the rane of literature, the Lottres Prociurmes of pascal. Aruands distinction leetween risht and fact was at leneth condemmed hy the Sortonne, amb himself and sixty other loetors expelled, and in Wetoler 16 asi a further comblemmation of the Alyustinus, ' in the sense of the anthor,' was joshed by Alexamber VIl., rigidly entured in France, :und : Anerally aceppted ; and early in 1669 peace was patially restored ley chent 1 N at least all orert olposition was represed ley the iron rute of Lonis XIV.

The more rigin dinsenists, however, and at their head Antoine Armuld, emiprated from France, and fommed it kind of rommmity in the low Combries. The controvery was revivel with new acrimony bey the di-pute in the stomalled crise of
 fully le abolved who was not convine that the live propasitions as comdanned he the elaneh were contained in tha Alugestimes: and still more



 in 1;0is decided the case if ronsernem ha the linll "Vinean Domini,' whon in ITI: he combenned by the hall "Inigenitus a many a- 101 propmitions extracted from tha 1 homel lifflowions: . Ater the death of Luni XIV, the rewnt, the lowe of Orleans, was urgen th refer the whate controvery




 nesw of the poper atil athans in the juljer of the



it. althonsh with a rearwation in fatom of the liberties of the Gallican Chureh. The Aprellants fon the mast bart submitted, the reforats leing risited with ereve penalties: and on the coming of age of the new king, Lonis XV .. the uncomblitional acepptaner of the bull was at length fombally iecomplished. From this time forwath the dipellants were rigoronsly represed, ath a lare munber pmirrated to the Xetherlamb, where they furmed a commmity, with l'trecht as a centre. The party still remaining in France percisted in their invetrate opporition to the bull, but the real signiticane of Jime nism may almost he arial to lave diod with quenel in $171!9$, and, imbeed, the movemont inamorated ly suelo intellects as -manh and lacal ented in France before the mildele of the rentury in fanatiesm and superatitim. The miracle in the st Medard cemetery, and the pha-ial fonvalions that hecame common, bromght Janomion in France to a diveredited con-


In one locality alone, Utrecht, and itadepemdent Murehes, can the sect be said to have hal a resular and promant orsmiation. The viearamotolac, boter konle, hating been suspended for lamenist $\therefore$ mpathies liy 1 lement X1. in 1702, the chapter if I trecht refased to arkowlodge the new riear namen in hio place, and angrily joined themedres (1) the Aprellant parts in Frince, many of whom houl fond a refure in ltrecht. It lagth, in 1723 , they elucted an arhbishor. Comelins Steenhoven, foll whom the form of episemal consecration was whained from the French bislom Varlet (titular of Baloyhon), who hat heen suspended for Jansenist apinimes. A later danmonit Arehbishop of I treelit, Sleimbart, 心atalishell Itarlem and Deronter as his ontliagan sees : and in 1363 a syon wa-lumb. wheh sent its acts to lime, in recugnition of the mimacy of that sere. Since that the the formal shareswon has heen maintained, eath hishop, wn bing apminted, motifying his election to the pore, and erasing rontimatinn. The popes, however, have umifomly rejected all antranem, except on the emontion of the acepptan"e of the hall Cnimenitns: and the letinition at of Catholic taith of the dogma of the lmma nhate Conef iom of the Blessed Virgin Wary ( 15.54 ) and the Piblat lufalitility ( $1 \times 50$ ) have hoen the oceason of fresh protents. The dansenists of the I'trecht Charch still mumber alont Gowo somb, and are divilend wer twenty-five parishes in the dioneses of ['terht and lathem. Their clery are alont thirty in mumer, with a semmary it Amersfort. boos, the dan-mit Archlinhop of I'trecht, cmsecrated Ior liemkens hishop for the fioman old ratholim. l'ms IN. remed tha Imath lioratrehy in 1s.31. as that there is mon


 comantromern as Onde liommely (Thl homan").
see vol. ii. of Hergenother's Allon mene Kiowno-






 died at hanstomant alomi lifet, liwed and whhel
 a remation an a time paintor of lurtrait and hi-torical subjo..ta.






his vigoms Jrawing and oumiralbe eqouring he ranks nest to liuhens amonir the histomical pinters of the perioul-- Dnother artint of this name was Victon Hoximits Idxasks (lomin at limssels 1664, died them 1739), whop paintel ehittly in Lome and it Brussels.

## Dillthina. See listuma.

Jannarins. si, mr Siv GFysim, a marty of the Cluristian faith umber biomletian, was a native of lenevento, or at least heeame hinhop of that see in the later part of the 31 rentury. According to the Neapolitan tradition, hn was taken prisoner at Noha: and the place of his martyrdon, in 305, was Pozzonli, where mans Christians sullered the same fate. His body is preservel at Naples, in the eryit of the eathetral, ams in a chapel of the sume clamely are also presersed the hemi of the marly, and two phats (cumpelle) supposel to temtain his blowl. Un three fertivals rach year-the chief of which is the day of the martyriom. Septembier 19, the others the first Sunday evenimg in May amb the lith lhecember-as well as on oreasoms of puhlic danger or calamity, as earthquakes or ernptions, the head ant the plinals of the home are carried in solemn procesinn to the high-atar of the eathedral, or of the church of st clare. where, after praver of lomger or shorter duration. tha lhood, on the phials leing bromeht into eqnatast with the head, is heleved to hiphefy, and in this comblition is presentel for the venciation of the peathe, ar for the fomviction of the dombtar. It necasionally harpens that a considerable time elapes hetore the liquefaction takes place, and ametimes it altugether faiks. The latter is rewaled as an ouren of the worst inumort : and on thowe werasions when the mirade is dolays leymul the owlinary time the alam and expitment of the condreqatiom riad to the highest piteh. Thase who are curions as to the literature of the emblowers reqaming this melmated legenl will thme many domuments in the sixth whome of the landiantist
 acemont of the modern ceremomy, son E. N. Palie

Jannary, the tirst month of the year. It was, amone the Romans, hell sitred to lanas (n-v.), from whom it derived its name. and was sulded to the caldendar along with Fehmerex ly Xuma. It was mot till the isth emontary that dommery was miversally idopted by Eumpen mations is the first momith of the rear, although the lamans em-

 tive marl of homan whem and haman yods as

 anthopmandinism. In the ladiei of tha lioman
 pirit eren - woh pracem- an ponghing harrow-

 "prenime and there is nothine in the mothenery of any other Avan sation to antepumb tio him. Ilis natur is derivel from the -ame lont an the latim worl jomen, "a gite' of 'an"ming.' Iv the spirit of oluming he was invoked an the lewimbing of all mulemakime (at the benimbing of haman life as (bunsimes). Fin the samb ratom law wan the wow of the luminning oi day. Sututintes luthe amf of
 momh of whifh, damary (thomeh iminimally the
 lim. Hence, tow, may be' "xplamed tho fact that




Summanns. In the next place, as the spinit of openimes. Janus was the fowl under whom earm were all jonue, or gates, in limne: alove atl. he it was under whose protection was the areh way mit of which the army marchel to war and le which it roturned. This arch-way, whici in later times was replaced be a temple of bamm, natmally han it- trates open in time of war and chosed in time of peace. The thtelary fod of the sate that gremed both was was, ha natural trim-fomete of thought, himself represinted lo an inater having a domble hear that looked hoth ways (sere As). Ilin mbnection with the year was sometimes indisated ly the fact that three lingers of the risht lamp were hent so as to indicate the numeral ""?" (30日), While the fingers of the left hand were pread oo ate to denote the numerals $\mathrm{L}(\mathrm{aO}) \div \mathrm{V}$ ( B ) , or in later times. $\mathrm{L}+\mathrm{V}-\mathrm{V}+\mathrm{V}$-that is, in all. the $\therefore 3$ daye of the oldme, and the phat day of the reformed dulian year. Is the erol of wates lie natnrally carries kere I* an anspicions grob ho i- combed with laurel. The interpratation of damus as originally a somi of lioht fails to explain his functions, is at variance witl the spirit of Roman religion, and i- hased on a fabe etymolory: - hame cannot be the maventine of 1 hana, lweane the $i$ is lons (and therefore cannot he cononantal): ambl. morewer, the real maseuline of 1 liana is
 Tlimut, Janus is not derived from a root neaning 'tw hine. 'hut from one meaning' to wo.
Japan. a corruption of Mareo lolos Zipuna". iteelf a computinu of the 'limese promunciation of the native name Nihm. Nihom. or Nifyem: mean- 'Lame of the li-iner sum. Dri, 'Gireat,
 four lare itant-ris. Ilomban (the Japmene mainlanf, Shiknon, Kyйlıй, auı Yezo-anal
 the - onthern pertion of Garfalien helonged to Japan, hut this was cerled for Iussia in 1sis. ceptain of the Kinile islam smmp, heina granted in return. The empire of dapan-the area of which
 miles harger than the I nited Kinglom-includes. in adjition to the ahove mealy them small in lathe, anmery which are the Lin Kin ("Loo (hom') and

 is bommen on the N , he the sara of lilatik, on the E. In the Xortla Praitie Ormon. wh the s. hy the eatern sea of China, athl on the W. ly the Sea of dapan. on the i-t Jamary leal the popmation of Japan was $40.4 \sin ^{2} 461$, ain imereas





 to be the highent jurtion of a hage chatim of hamb. tain- which rises from at deal onean lods thay are the adwaced frontior of the - - iatio centinent. Thai cham, thongh dotted with vhlammes. is mot therefore itself of volcanic orionim. Fiarthnathos weur very frequently in lapan, athomgh the
 - xempt. dapan is one of the bunt tomataimon-










domant meano, rises from the seat to a heright of


 boleano. velon, with many other scaromy lowe peaks rise in flonslin. The aroption on olaly
 Inawa-hiro, was due to imprisomed steath; bem feet was hown ofl the top of the hill, atm $2-$ sq. m. of momery porpend with delnis. The thaw othey latre islands ako alumm in monntails.
 that ajeht artive vollatues. Fhromernomt ther empire there are mans solfatams, and onjphor-on- spring well un from lombrids of watemin valleys. The flainc, most of the vallers, atul many of the lower hill are hiohly mintatel. Lakis are not very numpoms, the mive two of an size lump Biwa, near kytu, and Inawa-hiri. milway liftwen Tökrand smhai ; but theme are comentoce river, most of which, lowever, are tw, impeturn to admit of navigation. Tho hathomse are tracions and depp, hat not numprons, con-ider. ine the ereat lonetle of the cont lime.
Climuto. Tha different prots of Japan vary wilely in climatic condition* Leaving ont whe nottliern and comthem extrempen, at Thko lérla) we find tha ammal averate temperature to lue or F.. while in winter tho memory wemamally falls

 at Hakolatic the anmal extrmumare ami st. The nomal hot weather hemin- mily about the lomeming of ontr. and torminatme matly in the mindle of soptomber: The late authmo is the driest and mest merpeathe reambl. The weman corrent kown as the kurnhiwn (. lamek Stream") enn-ifaraluly molities the elinnate of the sontla-nast coast : this. while snow entlum liw more that ot
 near thre wout mata lean that $I^{3}$ farther borth, is and 2n feret are rommon. The eant conat of Yeat is visiteal her a cold curbent from the kimite, which
 chltivation. 'The ratintili, which rarien much in
 month pasesc withont rain: hat it i- mont plentimal
 जome of the low warms. When inurifation ire quently orenr. Nonth and wot winds frevail in wintar, and mothand eat in-nnmer. The vintent
 demings sumber, lant are mere de-tuctive in the
 monthe for trawlling. Thander-tome ator anthor
 Fare "The climata, thminh anmewhat rela vins in

 on- hiathy win the monlatan,















 Hmarils. Than the sountation of the tronime is

ar frimill zone: the tre from, hambor. lomana, and palm wrow sile le sille with the pime, the oak, amb the hereth. and conifor in grat variots. Tha Famellia, the lambernia, am the dhys-
 intimpons plant- 'The akaleal blowns in May, and a rod varioty is fumm in the monataine as late as the lexemuing of inty. The - phendid Lilimen anomum
 are alsu luight durin: the same month with the phak berme of the comorat jogmion, the sand flat from whith "Mmes the arme finsm of the New
 litl the lakes and mamons. 'The toblereoplant, the tea-harnle, diflisent varietion of the gotato. riese, wheat, batley, louldulat. and maize are all enltivatert. The them of dapm hews a remark:ahbrempmbane to the thera of that part of the North Ameriman contiment lyme latwon the Lower Dimisippiam the Atlantic.
Zomblot!-Wild animals are mot numprois in Japan. No tron wolf exi-t, thr Japanese yemaint ('wiht

few merits, am in most provines is a miserable animal. The provinue of Shimesa, east of the capital, is now largely devotel to home hreed ing, stallions having been hromst from tan Francisen for the purpuse of improving the lreed. Ihranght wen are eammon on the main island, lint milk eows are of guito recent intruluetion. Donkers are seldom or never sen. lork is rapilly becominer a favourite feom, and horsetlesk is preprerel at some of the restamrants of the mpital. Goats are practimally mkiown, and the sheep thes wot thriwe. The domestie dog is a wolf-like, ill-conditioned anmal. Whin the domestic eat is remarkalh, in having a mere stump of a tail; foreign variotios of thene amimals are being rapidly intrombeel. There are numerne water himhcranes, storks, herons, roots. moner. hens, suipe, wibl seree, hucks: and
 prom amimal. The hack lear peculiar to the
 and in drander in lom. Wilit lumers thent is oftern sem for sale in the apitat. of alsor monhers the h, an animal remarkable in dipan for it hayht amson fars. Wild teer, protected
 dmowhre, A factory for timning unism was
 antelnu inhalite the momatans. The fin, a small. sizal brem! flays an important part in the foll. lore a- the pmbutiment of craft anul as a linul of mationan. A variety of the torat, kown as the
 bulyer rambling the Lumerican orection is tramed




 valieties uf the soal and the whate. Of the varions.




practice dating hack at loast 1100 vams. Lamb hinds are less momerons, the voracions and buwer. fal erow, smmetimes mistaken for a raven, ragnint sureme. and acting as a general savenger. There are two mannificent onecise of phatant, pigeons, quail, haze gronse, and pamian. The groshaw was mueh ueel for hawking in fembal times. Yarions owls alumal. Song-ibits are not specially monerms. He lalltinels and two varieties of uguisu ('I: I! an mightingalo') heing lust known. Swallows, xwifts, pmarows, matsuckers, and woulperars all amoml, and there is a time specios of lapamere jaty. of all Japanme
 lnantiful. Biraleate hines is eommonly practised, deoy-hirls lomg andly blinded for the parpose: and the Euroman maket is now largely sulphed with skins from dapan. Ohe lark is fombl, hewides
 wren, at tit, atm variom other small hirrs. There ate many varietios of the medinary fowl. these himp

 Linkin are, as their nammimply, of foreign orimin, the ominary hame remolahling at pheasant in size and shape. The froh water fish of dapal are
montly of Eurnpatur genera. The river of Sias swamin with sahmon, which, when saltent, supply tho somthern market. Carp are keft in gathen

 fini are eaten raw nmber the name of moshimi. tratare ahnum, Dkkohi in less bing noted for ith hem: the lohter, an emhbom of longevity, is highly prizal for the table. Inwet life ingurathy abmalant: butterthos, motlon, drastm-than. anil berefos exist in atmishing variety. And yet Iapan is comparatively fre" from inseet prits.

 honey is an insipul sulatine

Alpiculture is the chine orempation of the Japamese, and they are very careful farmern thomoghy undertaming cropling and the mottion of crops. The suil is not naturally very fertile heing mostly whanic or derivel from igneons rocks, but it is mate poolutive he eavefal manninss especially with hinht-anil from the villages and town. lice is the stiple pobluction, while harley, wheat, millet, huswheat, maize anl many varieties of bean and pea are aloo everwhere promucel. The rise harsen commences in september: wheat is sown in drills in Nowember and December, and is reapel in Mis and June. Of vesutalles the stanle is the barge white ralinh or dnitom. Of Japanest froits the persimmon and manse are ahne worthy to the dasod as really上rom fruitw. The phuns. praches. and cherries are very for, the tree hemis wared for their how soms. The culture ui tea, introluced from China in 7 Io. is miveral in the midlle and sonth; the whole pronluctinn amomes to : 1 lont $22,000,000 \mathrm{ll}$. ammally. Sericulture is on the increase, and cotton and hempare alon widely grown. Gi sugar a total of over $!9,000,160 \mathrm{th}$. was proluced in 1595: mueh thbires is aho rained-an inferior kiml. remarkalle fir its mildnes and Jrymes, There are two asrientural colleges with foreign profecors on their stads, one in Tokyo, the other at sapmon in lez.

Mineroloty,-The mineral resthrips of Japan are comverable, and the eovemment daring the sixtuen year preembing bst - wht largely upon minins. Since then it has allowed pivate enterprise to step in. Gohl, silver, chper, iron, leal, antimony, tin, sulpher, coal, lasalt, felsuar, greenstomes, eranites (red anl wray), rock-erystal, agate, carmelian, amber, sorip amb pmicestone, tale, alum, se are fomm in greater or less quatitie. (end is primeipally worken in the island of sato: silver on the main island. Cobl bedo extemi from Sasasaki ta lezo, thar principal mine leeing Takashima. Miike, and keraton in
 Petrolemis foum in cmill fuantitios near Nigat: and in Yezo. The suplly of sulphar is alumst
 huidingestone is uares.
History. - The rapheal fommar of thre prosent dyamy was dimmat Temb, who awembed the
 for more than loke years, athe all datamose hitory
 A.1. the Empreso binet is sad to have imvaleal and cunguerol Corea, and thic "xpentition was followed ley the introlution of Coretan riviliation. tha.
 from 'orem in 2an. In ane binlliom wan intro. dureal from 'orea, and berame, forty yan later,
 arely was wathingel lay fovermant. Slumety

 rapily assimitates. The system of periont come
menead in bitb, amd fom thin time omwat the

 strides in riviliationt A antpletr swan of


 sun of "omants to the imprial hanco.

The Aecalduce of thi: fatmily and the growne waknen of the wavement formond the rian of the hitherte subminate militay rlaco, which, in
 ixima in llog. veized the reins of fumar. Thn narpation of supeme anthonity by this oflom. lons known to Eurare lay the Chimen name of
 that, limen to lasis, there weye two amporm in dipan-rone. a Mikide or "xpiritual "mperom" who rismod lat dial not gevern, atme the shimm, whas really quemed thongh he jaid homage to tho Mikindi. The next foner centurisu mill I60:3 were a perion of hombled, markel ley all the untoh mixame of avil strife. The military fiefs ortan ised is loritomo raised ap a foudal baronage. Whe sucereferl in making thrmselses virtually inhonumbent of the cental paser. Even the Bumhint monarteries in many eaves became mili
 duatatip- held sway, the morth and the moth, in one or other of which the ferulal harens ratlionl. The shimatate, marle powerfnt hy Yoritomo, itarlif fell into aleyaner, hot the military semine and
 pared the way for it. yevival in 1 gat lay Tokngwa treyasi, the illustrions gencral :anl statesman who nate a lating peace to dapan. In leme lideyoni had dirpoct an expelition arginst Comea, inilicting a how on the proprity of that emotrs from whith it has nut since recosered. Iyerasn, bictmious over a combination of sonthem birme :th Sekisahara near hake liwa in lifor, fixal his and of exwomment at leho, the 'port sitnatent at the hoal of the ciulf of Yedo, and near the embmathe of the rivers which drain the larsest hain in dapan. Backen prineipally hy the northem clans, he was ald. to consoldate hic power and to fomm a permonent sucowiom, hix dexemants riming at Yedo till ings. From heing a callection of small seatered villuges this plare som hecam one of the
 perfected hy lymits, the thim shamum of the Tokngawa ilynaty:

It was his pricy 'to preserve unchangen the combition of the native intellisenor, and 'ta fre-
 this he not only hanished foreionco interdictol all interemese with them, and extipatell Cluisianity, lut introhned that amot righ and eumin? devisal systran of eqpionage which wat in fill aetivity at the time of the barl of binis misem, as ammsingly devilud he lanemer oliphant. "This
 exery one in the commanity in drase and :nspicion:




 whe at firat anjow an thmomathe powition as

 rembition ai a hiomial rerenomial of lanatae to the



 1.5:3. carion on a heration trald: lant ha amb

all foreixners, aml interdicted (hmistianity ( 162 L ),
 while their religion struck at the root of the political and religions systems of , lapan. The converts te) (atholicisen wite fomm to have platerel their allegianer to a foreigen power, white their comduct is sabla to have hem oflensive towards the shinto and lind lhist temples: on that in time the came to 1 ne resaridel as a dansorma and anti-national clace whem extipration wav romblial to the wellheing of the nation and th the suceses of the polition system hoing organived or perfected hy Jyomitom. Tho Porngume comtimel to frequent I:apantill $16: 3$, whan they and thoin redigim were tinally expelled. From this date the dapaneare forermant maintained the most risibl julier of Fenlation. No foreign woub might foneh at bapanese furts muter any pretonce. dapanese salion- wrecken on any foretign shome were with ditheuty pomitted to retum home: while the
 allawed tolah no commmication with the mainband: and the people lived like frogs in a well. as the bapmese jroserh, has it, till 1 s. m , when they wem rulely awakend from their drean of peace and vecurity by Commolore l'ery staming into the harlonut of [raga with a squairon of Cuited States war-veswd. He extorted a treaty from the frightomed Shomin. 31st March lsä, and Jap:th, after a withirawal of 216 years, entered onco more the family of nations. Bther comotries slowly followed the cxanple of the lnited States matil sixteen in all had obtained the same mivileges.
Five ports, Kanagawa (Jokolama), Köle (Hyngo). Nayavaki, Nigata, amd Haknlati, were opened to foreing commerce. "settlements" or Enoisn quarter in these brings wht apart for the rexitance of fumpurse mater tha juristiction of their own comsuls. A limit of travel, extenting to a radius of twenty-lise milue romid these


 mile - himit of Sokohama and kobe. Whanctions hoing paced in the way of forem merelante suttine at komerawa, the qumtion was quickly
 up. and erequme thir chorse at Joknhma, a fow miles farther from the capital. With the

 heralf on restive.
 the amival of fertisurs. For boig mota few of the most powertinl rlans, rlifelly Satomat athd - hashan, hat ben disativied with the sham: pwition, and these glatly arailoll themelses of the patert now furnithen for ormine him. . Ill foxible means were taken to inwolve him in
 :am to this motive rathor that an any lation of
 sitatume which dithemen the periont immertiately

 for mitication of the empere in the hatele of the
 sighed; hat it was only atha a harp cisil wat









neas with which they broke loose from the old tralitions anel entered on a eourse of enlizhtened refomation. lacomising Colo as really the centre of the nation's life, they resolver to make it the capital: lat the name Yenlo being distasteful thromple its assuciatione with the shomunate, they renamed the eity Tokyor Tokei-i.e. eastern capital." Here the emperor established his court, alamdoning for ever that life of seclusion whieh had surmunded his ancestors with a hale of semidivinity, hat deprivel them of all real power. The venerahle city of Kyoto, which hall remained the eapital since 794 , was at the same time renamed Saikyo or Saikei-i.e. 'western eapital.' The damyos, very few of whom were more than more weallings under the iliretion of stromgwilled retamers, resigned their liefs, and wre pensionel by the gosermment. Since $1 \times 68$ the lealing men of satsuma and ('hôshan. forming what is called the rat cho combination, have held the impertant portfolios of state. The new periof, commencing with the Empror Mutsulitos aecession, has heen named Mriji, 'untichtened peace.

Japan has dmine the Meiji perion striven to make her influence felt as a powerful factor in Asiatic polities. Her expedition to Fomma in 18.4 to punish piracy, her ampation in 15.9 ,f the low thoo Islanss, notwithstanding China's remonatrances and threats, herspirited polies in Corea in $1 s: 3$ and again in lsse, her conseription law of 1863 and sulsequent army rempanisation, her development of as strong nava, har coast-lefence wheme of 1 ssi. subseribed to hiberally liy wealthy mivate inliviluals, prose her assertive spinit. i releelion in 1 s. T of the fiercer satama men under (ieneral saiso was pronptly ernshed.
In 1ss- the negotiations for a revi-ion of the treaties were hroken ofl, owine to an outhreak of poular dissatisfaction with the gnarantees lemamed by the serenteen foreisn pownoteting in concett. This mreakdown was fillowed by a distimet emservative reaction in the nation in no way serionsly aflecting the stenly progres of westem institutions, bint markine a mor rautions attitule and a mure eritiond pirit. In the aring of 1599 the combination of treaty powery was hakion throush by the actimn firat of the ['nited states and then of Cermany and linssia. who formed treaties on their own atcomat, abolishing evartemiturality and sanctoming mixal mindence muler certain mild reatrictions. These treaties whe to rome into fore in 1s90. Nexior, mot a twaly power. han akn arranged an indepmotent treaty in Nowmber lsss. Other powers prepared to follow. liut a strong opposition having xpoug ul. the Kuroda catinet foumd itself mathe to cary ont the scheme, and traty mainem was anee more shepled. This is the elowe of the tiret apols in the momern listory of .tepron, following on the haerls of the promulgation of a jopular em-atiotion, Fobmany II, Nas.

The powition in which diphan has bern phaced Anrinis the pist frew deendes is an exeeptional that muteiders find sreat diflienlty in fommen a correct gndement of her political cituation. Instahility is sill!umal where it is wally absent, the faet bring that mo maton's histom has heen mome consistent tham dithan's. The sumbern chang of front in lsis "an dofilurate and fimal, we emi having been kept in sew all throng the imbendener and why of Bai Xipfom. S" hurvier an a-smilation is Was mald neweratry loy har complete provious

 of ienoranere. lint the horoughly patriotio sirit of the natim lan trimphend, and har ahministration is now in at hishly satisfactory cambition.
 party whe reforms gave rise th the satama relnel. fion, was followed twelve years bater hy the anassination of Viscount Meri, a rahinet minisure This liat was not, like the furmer, a poditical event. lut merely an montmate isolated incident. the work of a religions fanatic, a shintoist. Politien asossination is not, lowever, deah, and is at peenliar danger in dapan, where its perpetatoms seem wholly regaralles of their own lives.
During the past few years, enpecially since the reemstruction of the cabinet and the amminitration in 1ss6, the conrt lase emerged entirely from its seelnsion. The empern and empres have visited all the chief institutions, athl are present at publice spectacles. The crown-mince, Miru, wats the first in the lome dyanty to be ednated at a public sehonl. A new iubhility was ereated in 1 sat, drawn partly from the old feddal haronage aml partly from the new men of lis6s. It comsints of five orters. princes or dukes (11), marquises (2s). eounts ( 85 ), viseounts ( 355 ), and barems ( 102 ), who send representatives to the newlyereated "phr Chamber. The nation is itself diviled intu three classes, Kumzoku ('mohility'), Shazol:" ("gentry"), and Heimin ('commomalty"). Of. ficials are of four elasses, shimnin, chukmin, sömm, and hemmen. Otheial, comstitute the flower of the nation: clas jealoms is alment, catemo lecines open to the provent. The inain evento of the trimphom war with China in 1894-9.5, the actuisition of For. mosa, as alno the Chinese campaimon of 1900 , hatw buen motel at Chexa, Vol. 111. p. 194. Japan waw winted hy a terrible marthatuake in 1s92; and in


Inhabitents. - Witly the exception of the widds of Yezo, peopled by 12,000 Ainos, the Jiamanes ishomb are inhalited by a simghe race spaking varions diadects of the same tongne. Frombibs, but this is merely a conjecture, the otpanme ate a mixed race, the iswe of the intemariage of victorions Tartar settlers, whonterel Japan from the Corean peninsulat, with Malays in the suth and people of the dino race in the main islamb. We real in Jiphonese anmals of constant war with savages, and in comparatively recent time- the Aino race oceupied the northern extremity of llonslan. There are two dintinct types of Japanew face, that which is foum in art desion: being the aristoratic and rarer type. It is distinerishomb by ant owal head and face, rommbed frontal lunes, a hish foreluend, :t mose curved and well shaped hut met prominemt, narrow and-lightls ohligue eyes with an owrophinir of the evelin. In the mant the fate in almont hairlem, with tho execptinn of a narrow and short montache. The emmplexim in pallind or shightly otive ame the expronion demare. 'lht: rona monep and whlar type, ahtore miserval in the morthem district. is fuldinir iacenl, fall eryent, Hat
 prowing. The atitute of the ran in sumall, ame the trunk is prom timately long in rompared with
 chase (geth), towe with the rarryills, when - till


 both in the man atm the woman: lant the hatit of ketping these, evacian! in winter, in-ale the


alont by the forbionalab laties of the calital.






formery universal chighon onitinte of the women． stiff with pomatum．Which was dobre 日，lis the


 at the waine and a loinedoth，irengently workine maly in the hin clath．Wiomen of the loner clase think nothing of expming the permon to the wait． The women mander pormolys a white skan leing highly apreciated，amb we the bige deep real：
 if the men，will frequently wern anome the lower
 The heal i－haven on the thr，leaving a lenad

 ＋hat，in then thmed forwatid amo the erown．The chihnen＇s heaks are shawn monteomely：priests ami many wh women shat the heal completels． Lomg hair i－freguenty wom lay livontented poli－ tidians and philumphers，white wilows wear short hair．lath dapanpe men and women are fond of smoking tohateo：the low of the pige they an i－lew insise than half a thimbe，and requires combant retilling．

Ithongh the fapmone are a sinuularly unites perple，yet the nation diviles italf into two lutime，the sovemine and the envemed．The fomer，repusentation of the military clase and
 anl maternl：the rest of the nation are sum－ minive amb timil．Dans of the sermindy com－ tratiotary opinims wiven forth reqading the dip：ane can be reanciled ly a rexomition of thi－fiect．

Monic uf Lirimy，d\％．－lapanese houre are slight emotratione of wonl：in place of wimlonss and －hatera they have an imper set of jether seremes，
 in！in arooves．In the burthem listriets at heast two sibes of the homse are cloned in with walls of mul phastered on wicher－work．The llowes are
 ly ：fert，and the iceommonlation of the lomes is reakmed ly the mombre of the mats．On them the immates sit，eat．and seep，the lued－
 the lay in adjuining claseto．The surface of thene mats is sempulomily rfean，for loots amb elers are permored hefore antering．In winter heat is whained from charomal haxe，either movalbe on －et into the thor，and nost of the cooking in dome wee chareval hariers．Rise is the atipher foud of the people，lat in the purer montaimon－recrions millet often take．its place limb，seaweed，and ham in all fomm are servel with the ries，wowe ally in the semps，which likewior contain lumat
 muts ane also lareely eatom，and the widnat is mate into a sweetherat．Sheign（wey），at same mate of luans amb wheat，is the nimerabl condiment．
 mawhill to forequers．Fowls are mow fretty wiloly ured fon the tahle，athl bork and heof，it well it lireal，int increasingly eaten．The memat －hins are frepuentiol at night，as taverns are in Enclimul．
fipmane towns are shaject to conflagrations to


 of hamber watle wow whl mul，which are left standing what the dire has swerg past．Incen－ diatiom follower hy poldery is atmmen arme， formerly fomi－hel cartgely：Tlu institution of a
 the olitiow rewntly wowd in the carital，hame greatly bewned then fires．
 fom dimases of the dimention than trom any bther canme．shin disemes，well treated at the varoms
 Lung divanes are not so deafly an in dreat britain， and child－hirth is attendeal with litter or modanger． A very dangeroms diabse peraliar to the comatiy and yielding to now wecilic remoly is hothlit，a form of elephantians on beri－hri smally was formerly a sconge，lout empulsory vacenation has womendiad this．Choletalymared in foree in the yenr 心． 9 ，
 low on the grmali，the drains are mon．wells are cluse to cheets and mhind hears．Howner，there are now both an active sanitary socitey in lokso and a foreign profenor of sanitary encinering in the univenity，and water－works with the hatest impmememt：hat heen prowided for Yokntrana ha 1s：ot，when the capital and Nagasha had alme water－wonk scheme unler consideration．Infant mortality is smatl．Snicide is common，especially
 themelves，one ont of ewry two female suicites
 an ammal average of flilf men and Bum women．

Mrmers ant＇entomes．－Mins of the customs onre chararteristic of lapan have，since the almoli－ tiom of femdalim，hecome obsolete．Among these is


 ＇fíke surial jusition of women is mone favinuthle than in mant mon－Chrintian countries．hat still leares mach to be desired．However．tha attitma as－amed ly the empres and the imperial pin－ reseses is mipidy briming alnut a soeial equality of the were．Fomerly conolimes were recognated loy law，amd a certain nomber of imperial mis－
 are＂lan the the serman－the pronint rmber and crown prince leting the sons of mitherore．A man can，howew，have only one legat wifo，and the kerping of emmenhes in ther sam lomes witls a wife is mone and more liscombenane d ly urial ＂pinim．Divares ate easily ohtamed ha hamats， and the nuptial tie is little reopected amomy the

 thromeh an intemediary，and both spes mary at ：an early age．As the continname of fanilies is is boint of great importance．alontion is labely resorted to in orler to prevent fomilies lyinis mat．Proxtution is prevalent．It was formerly mancommon thing for a dutiful dangher tor rell herself for at tem of was to the problitor of at honse of ill fame in orider to retrieqe her fatheres fallen fortunes．Whan she retumad mo stisma at tathel to her：mather was she lomomed for her filial dreotion．Liveroma honte of ill－fane have always lewn contined to certain districts，onteide the city limits，and ane comfally insjected．Hot bathe are a great inatitution in fapan．Fommery
 to hathe fogether：alll this primitive anstom sill meval－in rural di－trict，althourh forbidem in the citicestm always mhnown in Tohyon．（ireat re－pret is paid to the weal，and posthmons natme are



Inill lately the wily vhiels in dapm were two kimks of palambin－ri／．the hoto and the
 hive now heren sumanderl hy the jemikishar（＇man－
 fitor drawn ly a math who rons latwen the afto．la many of the more monntamons regons ther ram arr impactimalle even for the jonrifisha．

The dapaneme are essentially a deasure foring
 athonements. The theatre, though fommery de-
 it doms, forms one of the chief matimal foment. The femate parts are taken ly men. hom thatem

 hold will hire a box and aremi the entind dity at the theatre. Biny of the arrangenents ar primitive. especially the orchetra, whe mase is thim. hams. and monotonons. This is werally true of daqumese muric, which is in it primive stige : the mincipal instruments are the stringed sumisen, hoto, and
 and shö. the latter montly used at fmerals. lrofesional musicians are in great reghest and are well pail, especially the yomm women known as geishu, whoe dances are wonderfully eracefind. Flowershows are very popular, and thowertamens are crowdel at the jraper seame-therhumand jeach Whasm meamon heing in Felmary and Marcla, the cherry-hbsani season and the peomy seavon in - Ipril, the wintaria spason in May, the iris seazen in June, the lutur season in Gugast, the elirranthemman seam in Getober and Sovember. The time of greatent feativity is the New Year, ano held contempranemasy with our own, when fine-tree- are jhated before the dows, the honses are yay with decoration, ant fresents are lavishly male. The favonrite game at this season is oyobut, a kind of bathedore and shuttleenek. Janary is the kite rearon; the smatlen kite ara of rabions. fantantic shapes, while the latser and more powerful ones are usually rectimnolar. Wrothing, jug--rins. and archery ire favomite onts, ami amons indor sames go (checkers) and shogi (chess).
Lenglarge end Leteruture-The lapanese banshace helougs stmeturally, like 'orean amb Man-- Fhmian, to the Altaic fanily, and like other Altaic lansuares, delight- in lomg involved sentences, the intronductory details being heaped up to an extraorlinary length, ao that when the timal verh in reached many of these are apt to be alreath foraroten. The verbs. which are limstemel with un-Tran-latable honoritic endinge, come at the che of the clanse. Cirammatical gender is nurecosmised ; ease is indicated loy separahle particles: there are no article: prepisitions follow the worls they fovern. The language, though liflient to master, is easily fomonaced and musion. The intrometion of "lhince eiviliation in the fith century was followed ly a whaleabs almontion of thinme words anl charactom, lat the bingnage whaned -rammatically unchanget, at oweure and involved in its jilions ind comstructions an hetme. Chimed indographe are satd to have pern rentuced to at
 daishi in slo. In prices of time thi- syHisoffum, was rendered more wompex be the andition of variauts, and this lem, "pllatentlys to the introblaction of another and smoler alphatuet, cutiody without variants, kunw as the hifflomun charadir. The revolution of lsios catiaeol the hamElate to beeone mare 'himese in verabulary than

 Wequ also thasfermed simplicitio. I mevement,
 Suar to intronace the Roman alphaher, at reform


 liturature of dapan ix meare and vaphl what anpated with Lemmean literature. Poetry same to

 graphs, although the classieal poetry hat left sume

 reated on literature during the trombor fomat timen, lanting from the joth tos the bothermury. The revisal of the shimta medion les Mabathi,


 athe is fas theorming forilied. At prean the lamsuare, though capmhle of cxpresing ahmot every shate of thandit requiter in at anplate


 "planation in spakiner: (2) the (andonial and written stylex diflior wholly, and thos litatature


 terribly -pun out. The light prowe, which mande its
 ly Java and lkkn. From the Kojiki, at' leworls , if Ancient Matters, duwnwads Japaten Jiterature is full of indecencies. Mnch of the phace nomenelature of Japan has heen tracel ha Mr
 athom, a native anf a Clinese form, evorially for the provines, that with the shem terminatim. in in
 names were originatly flace namer.
Redegions of Jequen.-There are two prevailing
 way of the wod."). the indigenome fath: and hinldhism, introluced from China in $50 \%$. (1) Whatio-sm.-The characteritice of shintions in it, pure form are the almence of an ethical and fortrinal code, of iden-worship, of priesteraft, amb of why teachings emeeming a fatme state, and the deilication of hernes, emperors, and great mon, tomether with the worlip! of certain force sumblopet in mature.' The prineipal livinity is the sum-2.alders Dmaterana, from whom the. Jikadn in hellit to he
 attemped to frees Shintuinu from the Bumblaint innwations which had contaminaten it, and to revive it in ite pure fom an the natimal poljonn. Shintio temples are shagalayly deatute of ecelomiantical paraphernaliat. A metal mirnil emeraly. stam- on the altar, hat wen this is a Bumdiat inmosation. The spirit of the endirimen leity is
 only on the day af the derity's ammal fertival. The worthip consint merely of wabling the face
 the maney-lon, and patime silontly for an for



 it keep it. hold on the mamos whelly thang it






 : government, lindllisan is sill the hminamt
 as wall an the wathinet and men onlightemend. of the Bumblaist drmanimations is that Slantu ur



 ite hair hatis the dats of celf relianme is would be it mistince, howerer, to sumpor that a
 buhbhism and shintinom reopectively; in the
 the temples of buth ate frepuented withont math

 their liven hy the maxims wi conducins. The

 of fumbral lites. The in moral imthemore is not


 hate entrad the dinuch: thoy allent in preference the army and masy somme of the mane stotar serto, notalls the 'Bontor exet int Kyoto, whidh

 Gumbint to ment the ative fores of momem Chantian hurabum, Japan is a land of temples,


Turii of Temple, suwa.
lont many sure um labling into decay, while others









 da mot contliet with the friate inal moter of the
 tiants int $1.54!$, hat his worls was extingulame


 - 'latiom hat survived peracollom in the mojeh














matried latios and 102 nation ministore, and the meaturiolipy at lle $\overline{0} 82$ atations was wer



 members of the (ireek (hameln. Whatiat is the centre of the work of the Churele Disoionary socicty, bat the bishop who presiles wer it and the Society far the Propaytion an tha (:ospel reside in fonky. The Vouner Jen's Christian Asobciation of Americal ham a resplent sedretary in Toblyo and is representeal leve teblers in ahanest every porinee.

Edumetioni is remeral and compulars. There is a emmplete ststem of loeal elementiors mindle. and numal schonls, and a central miversity in the eapital, with live higher middle: schoohs as feodern, me in "okyō, the others at Sendai, kyou, Kanalawa in Ka\&a, anel Kumamoto. There io aloe a hiffar momal selool in the capital. The element. ary echool comree extenls wer eight years aix to
 and form to a higher combe. There were, in lssis.

 s! terlmical, $17+1$ sereial, and tio kinderataten athools. I'he maversity, remaranised in Issib, when it almarted the late lmperial Coblene of Ensineerins and other institutions of a high Erite, consists of live colleges-law and politico, Litarature, sconee, Engineering, and Medicine. It is attemed by ower fon stmdents, atme is a fancernd and well-egnipled institutions, conting the eounter $\mathbf{t}^{2} 2,000$ ammally. On its stafl ame
 1 fremelf. Wther instithtions in the eapital ale the Ansie Dealemay, the 'rechmologioal schoul, the
 la the brams erown-prince, the l'earesen' sehoml, the (iirls lligher Selpol, the laties Institute, the Enerlinh Law School, the lligher ('ommercial Sichmol, lursiles eight ather commercial aclools in the combtry. Eilucation is perfectly free from class resuldions, "ren the Nobles schenol heimer loy no neans exelnnively arintocratic. Minsion redmols hare breen loing exeellent work. The capital is
 fakko. fommed hy H. V. Count Okmma; the KeioSijikn, comblacted by Jlr Fuknzawat, ome of the leablers uf momern dipatiese thomght abm mator of :trolulat daly paper the Kyonitan liakko, de.
'The pintine press is sem arlibe laty news
 'The pues latus are stringent, and implisombents mmer them frequent. During the war of $1 \times 9.5$ the sumitary and smperical appliames ami methends of the


 aciemtists.

Ar'm! "enel Nur". - The datpantese army wan or-
 Foy a fremeh military minanm. A mild fomm of con-
 cantr into bure in las: "The premence of ferman
 of the 'las of the l'remeh military misoloth. "l"he - ohliery catry tho Dhatatille, an ablapation of the



 Wat. the rexnlat atmy was reported to mumber




 -teanter sum siling-versels, some of which are
 shign- of tha lateot dexisn tittiner ont am! in raseme,




 the latand seat and smelon: the pincipal armand is at Sokombia. The permomel comsiot of sint


 - lome lig kire

The Japanese pulier is a mont athoment fomer.

 in lval. The combin -rotem is an exeellent me. and comvict establimbuents yicha a prolit to the governmath.



 formation uf pivate combanion. The lines now in courve ni anatrution will, when completeal. give the followiner tomblines: (I) a ceutral railway letwern the then catitals (tmished): (!) a com-

 b- the Shiman Nemotainv to Nigsata; (5) a line iii Kyth-h from the strait oi shmonoreti to Kiaroinhma. Shikuknaml Yobohave each one short ratway. Numerons Mrands and lexy lines ate tim-



 tamed to wreat exedlence, e-perially in metallurgy, and in the manniacthre "i formeliain. lacymer ware, and silk falmic: ; inded. in sume uf thene lepart ments work of atr are prolured on expluivite in



 superintemded: Xisamman (Itla eentury) hates


 still made in Makit :nt lowhers. Tho pormain indu-try virtmally datw frma the lith century
 at sety in Cwari : homee the Jithaten mame Stomone for all hinds of cutherware shankei
 own moch w Comea, whebre atinath arrised at varion, perionl- on the invitation of dipmatme
 the erateklmi sitt-luma, which daten frome abont


 tims: - -omse oi the fimes - -











 imphoroment are, however, mindually tathime the




 the manipulatur ; they are very kilinl in the une of the alze. lut their ane is a chamay instrmment.
 chorols. The primitive school, of which the celehated Sugawara Michizane amb Kine lianmhat ate the leating mames, tomk its riare in the ! tht century. The fint really mative selmol. which iKnown as the lanato Kin, and letter on a- thor Tomat
 (0) the painting of court-life serne of ceremony illnstrations of the early native romatmees. cateful drawing of horses ami falcoms, de., landarap" heing mbordinate. The draning was carefol and
 lavishly nsed. The perppective wan isometrical, and the literty was treguently taking of inmorines the rons of hablums when depicting the interiors. Kiman, the last famons bainter of this seloond, di-al in lseti. The Chineserohool, which may he trated tack to Itor, reiabled its lighent hevelopment in the great manter kinno Jntomohn or Ko-llogen ( $14.6-1.5 .59$ ), and held prequineme for there centaries. The works of this welland are ehatateriond hy quiet aml larmonions coloming, and a bobl use of the proncil: the menery deplicted in ennven. tional, often imporible, and nearly alway in its. origin Chaneme. The mbent of Ifoknmai (liou1s49) marked a new depxorture Iloknsai, a man of the perple, struck ont a new path. and is one of the most realist ie of thas wordes painters. It is this popular shoul, held in comparatively sliphe respect in Japan itself. which has the chief athaction for forejun lovers of art.
Commerce mol Indentros.- The commercial and industrial phogere of diphan hats of late been momet -atisfactory. [nti] the vear lsso Jinan hat mot
 dimination of expenses then lonan, anlminating. at the close of 185. nmatecesary ollicials. The ministry of fimance hat aheaty taken in hamel the frestion of the graper
 lshis it tubleled soper cent. discomat. Contrary to all expectation, silver panmemt were lesomed in 1sst. a womlerful trimajh of fiatace. Sime then private rompanien have heen ememmand tu hay
 seluemes. Foremort of sheh are the Ni!!un (imhn (bink of Japan), a renif. the Sippron yousen Nail Steamship Company.




 hatwe been nijled int the had tor the sanne pasonn.

















then China, then Framer, and next Inlia. From (ibat bitain chue rhiofly conton and woullen Enath, irm athd mathinery, and cheminals. 'The

 (ifett bitain), bier ( Sustratia, direat bitain,



 $23(1)$ ship (160) of them stemers) entering inn
 Yot wede dipanme ( 3.00 stamers). The develop ment of the cotom mamfatare is a similieant feature in the Japanese inlustrial rebolution; in 1sto thare were wer thirty prosernas cotom facturim. 'fle Jiphatese emintate to Hawaii.
 (i) ithation maker whed british subjects in

(i,bromarnt timb Alministration.-The sovemment ix a herentiary monardey, the sucrewion lecing now exchoively in the male line. The eathet ammish of tom minioters of state, presiled wer In a minister presilent, their dejartments bans

 cultur and Commere Commaniations ( 1 and and
 montly commosel of former mintisters of state. The new rantitution, laid ant on derman lines.
 The imperial diot comsate of two llouses, and its apponal in necesany for the phang of every latw, whater hang held in publie. The tirst penemal
 were institnted in 1s?!. For ahmininative pom prom dipmo is disided into fonty-three lion an preforelure and there for or city womments (Tokyo. Kyoto, Gakat). Tle momal revonue uf lath beara (apart from the war indemity ucepond
 is menally math mone than halances the wimmi.
 amb civil conco lase leen drafted on a birngean hacin. Taxation mostly falls mpon land: the lam-tax in levied in the form of a percentage of the market value if the lame. It has bitherto hom imponilhe for dipan, owing the thestrietions imporal be the tratios, to incrase the ravente
 dutien are hary.

Cuimety. Weidhts rmed Mersumes, dr.-The coinare is practieally of silver, althongh pold coins are still ismed. The mint for metal monage at beaks,


 cmaten generally in the fir East on at par with




 paner mint in "onky tums ont a redecmalile paper (1)

Fin limal measme, the artisan's ambland shefore amower proty elosely to the Emplish fent







 atandarl time for all Jatan. Thiv meridian pames


Authoritis.-Thar works of Kathpter (2 vils. Lond.
 ahwas classical. The best landy conmendiums of information on Japan are the Himullonde for . Jequen, in Murray's serics, compiked ly sathe and llawes (18st),

 de, by W. N. Whitney (toky and 1, mod. 1stor). As general tratises .I. J. Rein's Jitmea (2 vols; Eng. trams 1swss) and W. E. (triftis's The Mitwhos Empirt (New lork, lsiti) may he eonsultect, the timet heing scientific, the seconel permar. Ambersen's Pictomet Acts of Jrpern (Lond. 1ssif) and Morse's Jopanese Ifomes (hinston, V.s. 1suti) are valuable sinctial treatioes. For the hamuage and literature con-nit the gramuars of Atom, Chanberlan, and halnte, and the dietimaries of Hednen, satow, and Cublins, and Chamberlain's Chess-
 tion is comtanned in the: Tantnantrions of the -1 sietio simtity of Jitian (Loml. Tribmer), the Trensactions of the cormen Asentic sucuth, the Transmetions of the sismopurical somety of Jupm, and the 'hroystuthen"m. a monthly revew now extinct. The haprial l'niversty sends ont memoirs; and there is a Jemen Hivkln Motl ( Yokohama). Secals works ly Amoth ( (tas), Murray



Dipallining is the art of ponderime, he the aid of hata a harel coting of colone ramish mon metal. wnol, or papirmache. Articles a roated rexemble the lacquer wate of fapan and (hima
 an ordinary pionted surace in heing hater and more durable, amb ahon in mot leging casily in-


 than, and adinar to cache one-hali the gamaty by weight of hoiled linsedonil. lind compamin ate thon mived tugether. Cingal win may be mhati-



 nobting a prominary coating of hath faint when black is repuired. Only ome chatine of bown jiban in siven to cheap gendo, hat for lutter wats tha or more ematings atr andiod. Jfur each coating the artides atre lation for torn on welve
 up to at mull higher tempratute. The jipatmend
 nest with mottensome, and tha linal bulion given to it ly the palan of the hamb. Cishl or linome hames or domal deeoration, or both, are gemerally

 Bronzed power tusted un, after which the objects are akian flated in the mon. - Ifter they are remosed the silt or lionzed purtions pet it pro. treting anat of whit pirit vamish. When white
 are mived with japmer's vami-h. Thase repuire mone rareful heating in the we than dark brown

 in errat mombers in limimeham. lomathe hathe
 it mity he remathen that hain womblant moth Gonger than it often due if cam were taken hon to

 mache wites is a similar parese to tha almes, but in the cane of thase shell on wetal inlaying is often worital inta the jalsou.

Daphet, acemedian to the fletnow recorl, the verond son of Noblt, where descemiants peopled firat the morthand wot of Asia, after whirl they
 The term Jiphetic or olapetic was at one time nad









 to nearly 70 W．home，wr ahome int miles．

Jiargoon．see Indrita．
－Jitrl．Seq E．hti．．





 the limwitn © at the junction of the Valpa with it－attlument
 Than town has ham streeto．a fine puay，$\because$ miles
 momanteries．abl in theobreicial collewer：it is the

 ni the plowe is the manmiacture of entom stalls； nest anmé the weavinor hi limen，wool，and silk．
 antise trale in corn（ons half），wrocerien，imb tex





 anl लhemical．












 lénelitetime tomathtery with which the manse of

 century，retains portions of lamenliot＂：work；the
 chatir in still preserved in the charnh．Jarrow wan
















 prosilny he fomand in that firn twan，the they rofore

in the ratimat hintary．The romperatame of the


 bathats，recondiner the warlike dowe of the natimat







 originated in the desire of the mone relinimu－of the commmaty to poxsem a recomal of the mational
 sem if tha true Itelbews，amb lare athomporl to extract from the somalled canonical hombic of the
 lave migimally fomed part of it．The alual

 the halling it the temple in the bebatuanint of 1 King－viif．Sa from that work．In thor 12－1tht centurise mo leas than theer dimerent worlin pros

 thiv name（and nltimatrly traced to bute live，at Lambm printer）（reatml sume exritoment．It



 anntry is a tablelame raming fom 2000 to ：30n feet in lefirlat，and hat excelfont soil．



 a a harber：hat water getro in hionative Lamgate
 （＇forl l＇apers＇），apleabed in 143．Il＂graatly ？ulanted his reputation by moitiny his own furnis in publie．llis jenetry is full of labinty amf jneser ； the pathos of his selions and the wit of his comie pheors are of a high order．His porms were recoived with enthmolasu in France annl even other patt－of Eurone．Ile was made ：Cheraling of the
 wobe enownell by the Fromeh Scalemy atrl a prize aw：meded to limin．Lle julli－hed forir volmmes of forms in all：the hest picces atre The（＇hetomet （1sos），it mock herair jumem：The lilinel fiel aft



 －lignity of a literams lamenatore sum initiated at literasy amd limeriatio mowernont in the south of
 －ince his lacatl（at ．Jeran．on the tetober labit）．






 clumbel within the talue of the ewoullat，atol at









## JAUNDICE

 of alswhption in a fatty sulmatace. An emontial
 oil of jasmine, however, i-merely ail of beat ar the
 native of the Past Íntios, hats llowers still more Tritgrant. Another Indian species is S. Simbece.


Jasminum nudiflernm.
-several other -pecis, smme with ered and somu with twinines othas, ation hatommon in gaters and grembonas. Smar have white, and smat
 for fatrienia ( 4.5 ), and the Cambat Jamine is Gelseminu (4.v.).

## Jasoll. See ditandots.



 rlas or other sulntane with the siliea of which it is chietly rompmen. There are many hind of

 varion-ly atripl, potted, or wouldel with diflement wohnes. dapore is at very abombant mine pal ; it is
 stmetime allyats as ark of whish whole hillate fomeal, :and is very cmman in the shatue of
 times formanental pmonson, an it take a high [wish. The kind callad fometain jospur is mather rate. It is often full of minume hales. or is ataked in all directions. It is remmben as a kimi of nathal bencelam, and is fond in places whane roblomans hawe tahen time: it in thas simply at
 furntly met with in the sicinity of intrave innomrowh.
 northern divi-ion of Rommania, tamb it mile

 dontread by fire in laze, after whill it wate
 a-phath, and tha homen mondy motorim ami built of wat. There ate more then font tiver


 the rity and in its enviroms. Ther town han a
 The imlintry is mimpertat; hat there in an antive trale in emb, spitits, and wind montly with








On a hacint clowe to the town is the resilpone of the fommer woinomes or gememons of Maldaviat.
 of Budapot. Pop. $2 t$, Bat, mploged in agriculture, chath manifueture, and wine-mialing.

Jataka (literally, 'relating to birth’), the nature of at calloction of legemb, comtaning :m

 ur ' haskets of "liseomises, of l'ali literat tume, and an edition of the toxt, with commentary, was ismand
 of gran importanow an the birlient ablle tion of ["palar stomber, many of which at an eanty date found their way by our elamel or onder in the
 tratitumal and appormbly indigenoms foll-tales. 'The low Enolish hambation is that untertaken in 1s!ob loy Profencr Cowell.
Jalivit, or Xitwi, Six Feline he, a tann hif Span, as miles hat raill, of Valencia. As the
 manufathere. It was alowrish town matil taken from then hy dayme I. in lwet. Ihere was hom
 "ar atoo the hane of the notorious borgia (Barja) family: Pap. lo, om".
Jatts, the mon numerous and valuable seetion of the agientaral popmation of the Pomjah, numlur aboun t! millims. They ate hamay idnonbilied with the diter : and some of the lant anthorities ateret the theny that they ate de-

 with the (iyprien (!.••).
Dancr: a tuwn of Prmsian Nilemia, on the Neise, 13 miles ley mal $s$, of liownitz. It in fommon for its samsaben amb its wortly commaket, hedl regularls sime 14th. daner was
 and the expital of a brime pality; lat the Thirty
 sugar, leather, choth, de. Pop. (lssi) Il, lis.

## Jamf, Sece dicman.

 conjunctiva of the cose arining from the prevere of the momming matter of the Vige in the howd and

 With this commring of the shin and esen the
 of : cratich or dirty white timt, in comsenturne of the athernce of bile ind the mrine in of the colome of
 of the preachee of the colomimer mather of the like. There is mometimes. lat nut in the majority of raser, an extreme it ehing of the shin. It is :
 10 a pantiand "an worvhing athour sellow. "lois, bowerer, in a sers rave simptom.
The ratuses of jamidion mathally fall into 1 wo Hames, thow where there is meedhaikel onstruetion of the bileduet, thal thase where thre is mo

 hile within the dact : lis intlammatom swedling of 25. lininer membrame or that of the dumemm, into


 Facere in the lowns. Damaliere may result withant whatrection of the durl- from rongention is rit. rlami of the liver, from expole montal emotions



 fexar. In ceare of abintmetive jamblice all anthor






 the hile-pinments are fommed in the bitome and merely "xeretal lye the lisor: :and on this view
 elimination owing to diminivme intivity of the
 not formm exayt ly the action of the liver-alls:
 reatrarption alway taki plare : aml that the hile. pigmentr contime in tha circulation owing to enme.
 ring in tha labil. The question mast he resarbed
 preapht mont in dikumbr.

Buth prosmosio and treatment of jammilee dejend entirely 1 pan thos reeromition uf the abnve to which it is diae. ln razos- of grall-otone coatarthal jann-
 accummbitimas. athe of eonerastion of the liver, the face bemally terminates faromably: fin mase of


 it rasalt - from montal anotion it mmetimes dixaphear quibkly, hat in often followed ly severa
 ESGE: 11 F).

Jallnpare the rapital of a di-triot in the Somth-wist Irosimep of Imila, is simated on the
 in leneth. Thes formore capital of a Aloliammedan





Java lojawit. an inlathl of tha lhotely East Indliw. the stat of the coloniand eovermment. It

 $39^{\circ} \mathrm{E}$. lome. That i-land is wa-had on that N. by














 isolatod momataing in the alluvial patar. Tumand.

 of which are sill attive. "low riwere ate generally
 only a fow of them are navienhle. The irlimate dopiende on the altitmar: it is rather loot amb





 on the laftiext eminsmer the flamomometer shme. times -ink- 10 : 32 . fimpmally eran in tha hills, the days are hot. but moderated hy lamd and sea hoeezes, whicll how remblarly amons the inand: the niorhtw, especially in the himhlands, are mol. The raing seacon lant frem Nowember to Varch.

The pioulation of Java has rapidly increacol : in


 inclueled $20.61+222$ natives, 22.340 (hinese, 11,665
 of Purthrar India. de.). The Finronams (half-castes incluided ammantal $1041,1,59$. Thor native- lowloms to the Halay (q.v.) mace. The Mathrewe in the rantern patt of the i-lamd. the sumbamene liviner in the western prart. and the lavanese fromer dither in platiphe amd in languige. Jan of then are Wohammedan-, at lea-t in name, for mach of the heliof of their ancentor smaves in the lskam that is now latectisect. I fow tribes, lowerer, jrofes the old religion (viz. the Bablowis in biantam and thes • Ileathen' of the 'Tengerar Xomatains). That mative ('loristians nambur alome 10,0 on, and the Chinese Chrivtians a few humbeds. How many halifates are rountal among the Eimonean it is inpmosiblo to say. 'Jhe inhahitanti are more fivilived than t'ous ef the other i-lands of the archipelaro. "mo of the chief viren is "pimmsmoking. which is a somere of income to wowern-
 a year for licen- amd profit on the import. 'There

 Intela fint Indies, lasiden thone who are working


 veneration, thongh the fordacin! power semos to
 the many diwana be which the plantations have bern thited of late. "Tho chatratero of tho vareta-


 thata, lats lapen emmmondy adopterl. 'Jlar fanna dithers from that of the uther ivambe of the ameli-

 island). rhanoeres, dear, ancl wilt wwine are the

 phmater abl hamelly athy that are di-tingui-hed













ment monoply, is pepred from sea-wator ; and coal is workit in the Ireanger, and mathle in the Matim mesidency.

Fommerty dara used to be comsitered an aftombing almost at profeet anower to the yuestion. How ean acolong beat he govemel? 'Tlar matmial prosperity which resalted to the mother cmantry from thix possession wan owing, for the weater pata to the system of deneral bin den hod (intruluced in sabo). ('nder that syam the nativer were compelleol to collivate pari of the gomm and plant staple artielsom it, while the pemfuce wandelivered at it fixel price to the matuanes of the government, and from then shiped to Enmpe :uif whl ly the Netherlams Trating Company. Althongh this. srotem lirought lirge sums into the treasmy of the Sotherlands, a vighoms "pposition agatins it exited almost from the bexmming, since it presend sery had on the natives. As time went on the orpoition gained grombl, and in name the system was given apand private planters ahmitted. Int in puint of fact, at least so far as the cotleeplantations. were concernen, the srotem was still continued, becanse the incme derivel from this item comhl not be dispensed with. A commission was aplointed in lssa) to consider in what way the shetem of colliee-phanting misht bo altered. It that time the matives received lifteen thrin- (til, as.) for one pionl ( $1: 33_{3}^{2}$ In. asoir.), which they hat to deliver at the magazines. Thungh private planters haul heen ahbittod before 1800 , the "Agrarim haw. which then was pombazted, weatly facilitated the establi-hment of phatations lis private individuals: but still the competition of the gavemment peventerl an murestramed development. In some part of the inland (eqpecially in the westem part) where private persms are owners of the gromat, or hire it from the mative pinces, pivate indatry was in hetter eivemutaners; hot of late diversen in the crops and a fatlingotl in pices have done much hamage. Sugar, conlee, imbly, tea, and tolben are pianted for expmot. life is grown extensively for mative commmpinn (ann a little for export); lut it is not sulticient, and other formb. crop (maize, de.) have to be coltivated. The teak foresto belong exalusively to the government, lout they are matmasel hy private permons, working moder comandi. The liwetuck ineludes about two amb a half million loutface, two milliom cattle, half it milliom lomses.

Java mas he comsilerel the centre of the ammeve and inale of a great part of the luteh Lant modies. In 1sss, 290.3 visuls entered and 3120 eleared from , dava. Of the thin staphe artiole thore were exproted, in lsss, $1: 3$, , 2 ! ( wot of in-

 195073 cwt. of tin (all theat las private jumane or hy companies), and 426.3331 int of collee mal 117, fellowt. If tin by the gwomment. The genemal
 anll te, om, for rerpectivels on acemat of the
 repertionly on aremme of privale jurdons. The comatres whith trale most extonsing with dana are llohamb, the staits sethemente, wal firat lifitain. The leadines atiches of in!urt ane cottom and linen gome, wine and gixits, provisims,




 road and railway, patly hemging th the gobent.
 the fonmer and l:9 mile of the latter were ofen in 10se.
Fille indan! is (exchuling Mathat) diviled into
twenty-one resilencies: Whatan, hatavia, Kratang, I'reanger Aupencies, (heritwor, That, Pekalomgan, Nomarang, dapaza, lembang, Surabaja, lanman,
 sumas, Babelen, Kalu, Jokjakirta, Surakiatia, Salim, Kedin-two of which (Surakirtia inn Jokjakartal) are umber natise primees. Wrel each resileney a Duteh resident exereines a eferal emo trol. The resinlencies are divided into "f furdimgon, under ansistant-residente, to whm are suljeet the controllers (100). Subject to the surrvision of these European others the adminintration is caried on by nation functionatien-regents at the heal of the regencien (generally arreponding to the afferlingen), to whom atre inhine the wetome or dimeng: the regents have sublitutes ealled luettic.

Jhe langnages are davanere, a Mabay tongue, divined into an aristocratio dialect amid a popular dialect, Smaname, and Mindurene. henides there is annther language used in ohl inseriphoms and manncripts, catled hume (butter, ohl bavanese). The davanese applahet is derived from the Devanagari. Many antiquities were left ly the carly limm comploturs, "jpecially in midule and
 Dieng). The liturature of molem Java is rather insigniticant. Dinhuts ('clurnisles') and the way"ug( ("pupet-plass") stories should he mentimed.
The history of liasit can only he wiven in ontline. The earliest historical references diate hack to the begiminer of the Sth eentury. In $+12 \mathrm{~A} . \mathrm{D}$. Fa-IIien visited Hindu eolonies in Jaya. Abont the year suo the interemase of the Ilimins with the i-limel aphare to have lacome mone inportint. Alrealy lof that thame the dowame hat attamad to a comsiderahle degree of civilisation. To judge from the antiguities, there were three perions of llimh iscenteney-a preriod of Juduhism, it perion of Sivaiom, and a perion! of compromiso. Several ]"werful Mindu states were extablished, anomg which Dadjapahit mant be mentioned. At the lwgiming of the lith century Mohammedaniom reached the ishad and guichy gut a tirm footing. At the end of the 16 h century Enropean merchantadventmers established themelves in lava; whilst the Dnteh rule in the island hegran in lito (the
 hons, tough atruggle with the natives. but with the lajne of time the lutel gained momme. The mont important native state then van Matamam. In 1705 the emprany ohtained peraninn of the l'mativer Hegencies, and in 1-4.7it- :athority was extemfed wer all the northeat eonat of the islaml. la 1250 the empire of Mataram was divided into (wo states, surakilla and bokjaliata. In 1 sos the hingem of bantan was incorpomateal with the buteh possessions; but these in Isha hame pat of the Erench empire. Jn the simbe bar Jivat wan wenpied by the Enchish, ind remained in their hands up io 1817. A short time after the Dhteh hand resumed pusseraim of Jivia :an insurrection larst out in Jokjakanta in lse mander bipit Negara, amd the -troge lasted matil 1s:a, when the chicf of the rehelo sumated to the lontelanthorities. lis that thane the groater part of the states of the hative porinees had been inoopmated in the butely poses.ions, which then asmmed the extension they have tu-day:
See Sir Stamford Ratlles's Miatury of Jate (Lomd. 1817);


 vols. (1575-75). This lant is the most important work on Java, thomeh, in sume recoucts, a little but of date. Seo
 gemeral descripition of the bast homian colonies, not alwavs to he trusted) ; Ir Lomfor Ifombliminte tot de Mimais

 seithmere's Tack. tho Gurten of the East (1s!s: and
 lvel. Thee beat mape are in Alles der Sobrthodseler


Jaworow, a town of . Anstrian dialieia, Bormile


 (lwoh sure and detrice moan 'river"), a river of we-t -

 Momatains, lt is at time rabled the Jatak-tanh, then the Taragai, amd moler the name uf the Narn it

 -tealily weat with dettectims to the sonth-west.


 Waria. I little weat of khojemi it hame thomigh
 west and, retaining that direotimi for sion miles.
 theres montho. The river is mavigable wer this

 "Wwo aresms, the Teln (ton) mile lonis) and the
 baria fom the rieht, are now last in the sambs rast

 branch at l'arow k, whith flewed intor the sea ut Sral on it- - math-wiat - bibe not far from the mumth
 brot in the sambl. The syremaria in the Sile of Turkestan. The berple fortiline their valleys hey

 billed hirds of the Crom iamily ('onvinat), repre-
 The jave inhatit wanlamio. and the andalts are pronerally funnd alame om in patro. They are almost


 of singing-liral. "The well-known hlue and blatek
 the whole genns, of which the Common fity $(G$.












 bushes, a cupshaterd, hasket lihu mest of stioben


 lines. Tho ablult bird mosames atomat it inclas. The prabiling colom is at ligh brown, hat the tail feathers and quills are blats; tho wine coverts are hatak. harged with brisht hho amp white: the heme liears an erectile cres of whintish frathers
 strietly conlmed to the Old Womblalowly allime
 tha Lomp-tailed Jays, ars iomm in North mal sumb Imerica. The (omman Ibhe lay ( ${ }^{\circ}$. wistotas)
 colour. It is common throurhome (antalat and the somtlem aml enstem States, and smmetimes does saluable rervice in ridding a district of eaterpillar. When taken foung jats are eosily tamed, amb ate very pombar as wt-: for, thongh their natmral nute is harsl and muleasant, they lusess condilerable bower: of imitation.

Day, JomN. an . Imerican statesman ame juriot, and first chitef-ju-tice uf the supporme cont of the Enited tates, wia lann in New lork city,

 the bat in lom. Elected to the dirat Continumal condres in 17\%t, and re-elected in $17-{ }^{-7}$, he prepared addresuen to the people of cratt lintain ant tanatia, and to his own comntrymen: drafted the eonstitution oi Sew lunk state in 1-7. aul wa- mpointed chind-jnstice of thastate; was retmoned weonsress in $17-5$ and elected its presulent, and in the fillowinny year was rent as minister to spain. ln lise he was alded ly congreos th the prace commirsionurs, and it was mainly he his ethorts that the traty was hourht to a conchusion on temmso sotisiactory to the Enited statex. In Tist-s! lee was seretary far foreion atlair : on the athption of the nationkl ronstitution in $\frac{\text { Bat }}{}$ he wrote in its favmar in the Fidfrelist (s+e Jlomatos) : ami after that organisation of the fiedral govemment, Wa-hinemon having oflemed him his choue ul the atlices in his
 pourt. In 1794 lse concluled with larel (iremville the comention fambliaty known as "Jays treaty, which provjhod tow the recosery hy biti-h majeets of pre-rewolationary lelats and hy thericath- of bone incurced by illowal eapthre by britiol cminets, and the determinatime of the bistern fromtion of what is mow tha state of latime: the liniti-h wree
「-vi, and there was to lie rexpmoity of inland
















 Statoontern =rner (1590).
 minioter, was from Jity 6,1769 , at 'Thinurs, in

Wilthime. The worked at hiv fathers trade, that of : stoperntfer aml masin, until liv sivisumb vear. De wan then selt to Mathoromgh deadeloty, a Coneremational traminer collare for the ministry
 ('hippenlanm: then he oftiritued for ar reir in a chapel lelonging to lady Jaxwoll: anil in 1701
 which proition he wermped for sisty-two ratas.








 lectad edition of his watk, in 12 vols, revised by


Jiyadival. the aom die plome', meaninge 'soml of victory, of a llindn poet. Who was lwon at
 restary. Iliv meat work is the Gitm crocioule a sambitit lyric hrama, in which is eelehrated the love of Krishat and his wite lamha. The llimbn commentaturs rive the prom a mysieal interpreta-



Jatyyes, a Sarmatian trile, whoe original home wis ta the morth of the seid of Azor. In the lst remtury of tha dorintian em they mown west wave, fimally retthing in the plams of llumgaty luetween the Theiss and the limmbe, thomeh one lanal sems to have gone to the north sille of the
 manioc, the king of the findos, in the early part of the 4 the rentma. The sonthern division of the
 the I itmblian frovinces of liome in spite of numor-
 Carns (2s.3). 'Their funtro was linally hoken by the
 forsemen, whose only absiles were watons and tonts. Lee Sidematioss-diogeia is a district in Hongary, ESD. uf lewh, whone inhabitants, Masyars, hive no commertion witlo thr ancient , laseres.

 whon has sucereded to Nivatre and beam.


 1st1. The wramb-neqhew of lbishop debh, and on the matermal milu the wreat-mandern of liakope
 amd parased with matholl distimetion thomgh it












 frider, aml laborna, and was awamed a diperek






 ( 2 vols. 1sí (


 athle selowol velitiome of the lolicher and Jjer of


 work in his monnmental edition of the pilas of





 tion, and possesest the gifi of witime :mbimalle


Jealbiregla the connty town of laxhorehnime
 brach-line (hy roal 49)太E. of binhmof, (of its
 in 111s-47, and limally poibel los the Emorlish in
 Noman to Secomd Pointed in styo is 23.9 frot loms.and has a central townes fort high. In 1503 a jitil (now dimased) was lmitt on the sitr of the roval cantle (razal 1409). Where asketom: 1 preared to flexamber lll at hia mariageroast (lamis).

 and Wombwoth, of Mary Somorvilhe and Sir Divid birewster. A border town, it muturel a warlike race, whose slogran, 'Iodlart's here:' waw follom lomes silent. Their ehiof weapon was the 'olvhlart
 - dedmart justice" is atill a buwn for hamomg fire
 liges: restomed lss!) win the seat of the kiors. . Jod-
 rial, and till lasi, with lladilinetom, dr., returnal

 Sce Watsons Jetburgh Abroy (od ed. 1s:91).

## Draldah. sice diturin.

Jeflipries, Joms litemats. semerally Kmown

 mile from Swindon, in SViltshire, on titl Nowemher lsts. IIe startod life as a jummalint on the stall of the Nouth Wilts /heretd almont Isibit, and for twelve yents was loms with thic loinl of work :and with writing erole mowds. Ilis mame first lurator known by a loner lettor to the Thams, in Nowemher 1s80, om the labmares of Wilthbive.
 a writur on agrionltural and rumal tupics. In $1 \times, 7$ he abamdomed commtly jommalism, ind moved nearer to Londm, hopring to make a living hy hin gen. In the following yare be won his lisst real

 Life, indisates the kind of work liy whioh lis fatme fame was won. (bther bumbs witten in






 these he woots sman lithe mavels of indilterent
 combons romance of tha fatume. Within his own
 W:as an admirable writer. 11 a prasessed a womelerfal insight into thar lathat anal wats of aminationand
lime and crepping thind and a sreat lowe of them.
 acenrate aremaintane with the life of the hempe. rowsand wowlande and heldo of ant larm linoland. He had also at reverent feelines for nature, mot moly of her ont warel phas" and apect - lat alow of what may la termed her immer life. Nis were lman
 tion and sympathe: ho hai left indmimale sketelane of combtrefolk-iarmers. gamekequr, lathume.
 on 14th durust l-x., after faimin illume of six sears' inration. See Sir Walter lickant: Eulogy (1sis) and the Jite ley 11. s. silt (1sm3).
Jeffersoll. Jocipla, emmetian. Wik bum in
 a theatrical stock, his entiormonther having been a momber of trarrim:- Campans at Jome Lame, while his father and andfather were well. known American actors. With uch an ancestry it is not wonderfin that youre , deflemon was on the stage from his very infancy, aptoriner a- Coma:child in Pizwor when mly three yarr of abo and
 ionr. For many yare he went through the haril training of a strolling ator, and then played in New lork, where in 1 sit he made al hit as Doctur Panofose, and in lese created the part of A a

 and at the Alelphi Theatre maved for the first thme hi-woth fatom- bart of hip Van Winkle ( 4 the Sipmber 1sia). With thic character him mame i- illemitien, and, althongh lie ha- hown himself an arlmirable comemliam in man characters. to the Engli-h opmakin wolld he is ahay Rip Van Winkle. Sur is this womberinl, for the chavacter is one of the mast perfect work of art-luratiful
 And the art i all the aetor: : the dramatiot has done nothing. Hipe is a lase, ghol for mothime ramalom, hat Jefferon make him the Irealian ragalmind of the wom of lreams: see his Antohingraphy (New York, 1 (Im).

Defferson, Thomse thind presidmat af the Prited states, was lum at shatwill, themarle


 veyor of mote in the enlons, anila forms memher of the llome of limerenc: hio mother wat
 Thomas detlerson was the third whild tand aldent son of a bamily of ten chilitron. II. antorad Wilham and Jiay followe at the age of wever teen, three grave after the death of hie father,
 admitted to the hatr, and praverand with aberem.

 sulport of a motion for the eaxin cmamojation






 ander the. Ansembly, and the mimhom met in tha

 convention ta con-ider the athiare of lla calume
 Jeflemon was fhaw a matular of theo combationt




 sedution for hightration: and hiv Hathe wa- int

 of the wermel whore, which met at lhitadnphia
 dan-atter the hattle of bimkire lill. Hem his

 mamer, characterio.d in dohn Abam an pomat,
 respert of the Homes. Ho wio repelectal th the
 Henry lata of timinia, as intrmed ley hii com-

 of Or Lees mution, and meanwhife ap!uintad a committer of five to prepare a - bitable dadatation on which to att: Jeflegon wa- Maiman, aht tho others were Frankin, Jhh dam, Kaner herman, and hobert li. Livineton. lix reanet of hiv


 formal dechatiom. exantially as suhmitted, was alopted July 4, $1: \% \mathrm{~F}$
Jeflemen mus rewned hiv wat, and, althomeh alpunted a commi-ainse to France witls Frankina amb silas lleane. la deedined the oflaw in wider to nape the juepla of Cirginia in formine a tate com--titntiom. Tmong the rafom larely lue to him whe laws cranvertine e-tates tail into fore-imple.


 17:9-81: am during the invasion or tha wate ly Amod and comwalli= he was entual to the emer

 adoption of the derimal $-\therefore$-tem uf wimare. Ils was sent in the summer of 1 S-4 10 act with ranklin and Ahams ac plenipuphtiars in nowniatine treation of emmere with foretwn hations: limt in
 treation effectod bing with limmia and Homero. Ther nest your Jefferam -nemented Franhlin as
 at the lievolution. ITe rmainel doring the domy meetine of the Sational 1 -ambly and the deatuetion of the latille. berformer with man tact the delicate dombe of ablawador, hat midently in sympathe witl the rewhotinars mose
 of tate. hat he din ant enter on the dotion if he

 wan the rememionl land of the latter. White the uther member of the calinet and the forcoldent




From this retiremont ho was ealle to the vice.prendeney of the lonitell State- in 1:4- : and


 the mext peridnatial turn. Whane the rimh




 the trial of lame liarr for tremon, athel the pho
 all othor atto and month of hiv ablum-1atators


In others. In hag, atter nearly folly yarm of
 strife. Henceforth his time was devored the the cultivation of his estate, to hommlless hoppitality. to the interests of enlucationt, and electially to the mathinhment and sumpintembene of the Tniversity of Virginia. Ho died at Montioello, buly 1, 1sob, a fore home before the death of dohn Alan-Among hispuper wis fomm this inserip.
 son, :unther of the lerlination of Anarican hatefombure, of the Statute of Virsinia for lielingus Freedna, aml Father of the I'niversity of Viminia. In preven lae witw wer six fret in hefitht, with hat eyec, fair complexion, hroal for hrah, and, in eaty life red hair. He was a mom clameal orlolat, and
 and thent tadker, hat not an clondent orator.
We have his Writims, (inrecpunhine, de. (t) vols, ed.

 Practice. See Lives hy Tucker (1837), Parton (150t), and Huse (1-0.3): alse Henry Adams, Miston? of the

 authorship of the leclaration of ludependence has recently been disputerl.

Deflersoll City, since lag the capital of Miwomi, is situated on the womth hank of the Minomil liver. 105 miles lay rall W . of St Lamis. It hav as state-hmese, govemor's re-idence, loh. cont-lome, state amomy and fenitentiary (1.an conviets) and the Linculs linstute, a tathe


Jefrersonville, a city of lmana, on the ohan River, mporite Lanimille, Kentneky, with which it 5 - commected hy an irom bilway hiden marly is mile lome The fallo of the diver at this pint and
 railway workholn, fombrios, mathine olofn, fom
 cemont is manfactured in the icinity. the of

Jefliey, Fravera, Lom, it reatioll julge, politician, and literary eritic, wat the wom of a deputa alerk in the comert of serion, and was loms
 elluman at the Wigh Selowl there, with seat and
 at the miverity of (ilatern, and one at Oxforl. In 1-94 he wits calleal of the scottish har, but, having adopual Whig positice at at time what Whingmions were hot favonalale to profernomal
 veas: indod for lone hiv inome did mot execer
 keemane :und allacrity of hiv intellet and for his

 ably surcenfal in jory trials. In the trials for


 of dilazow on account of the weat literary dis.


 mont as member for lerth, inn on the fomation of
 for semband. After the pasing of the liedm bill. with whith her hat mach tor in, "operially in that

 reppernt until $143 /$, When, tired of malitien, ho





It $i$ neitley an lawer, julare, nor politician that Iofliey ham secured his relitef title to fimes. It is as a literary atite and as leader in a mow departure in litraty entepmia. It was lie who, along with sydney smith, Framis Jomer, inm it few othems,
 popmer of the sheme is sumbed to have laem Gratney Smith, who was the mmimal oditor of the first three nambers, in lso. Siter that. however, Jeflrey was apmonted oditor at a dixed valary of exo fer number, down to laog, amd then of toon per mumber down to 1 s 29 , when he resigned. His own contributions were very mumerons, eppelially at lirst, and were among the most hilliant and attraetive of the pabers. He himself aldmatiod as his most valualle work a Troutise on Beruty, which mohnoly now reads. His style was easy anil lluent, hat liftuse and at times tareles. He was exceed. ingly well informed on at geat variety of topics, bat nut jorofomil. He lizul a fine imagination, a satimeal turn, aml at quickneso if perception whicl instantly A.tected errors in manner or offences against taste. Ile hat the critieal faenty without loing it critic in the hishort sense, for he devoted himself more to amalys of methor than of hatter amb thomgh. His lefect as a eritic was strikingly illustrated hy his minaken entmate of the Lake prets. There Wats atways much of the patisan ahout him, and a rolmentiess, not to say lirutality, in his treatment of opmonents, which lironght him many enemies. His contrihutions to the hecicu- munbreal alwout 200 , ant a selection from them was published in 4 vols. in lR4t. See the Life ly his frime Lomd (ockhum (1852), as alon Alacey Nipier's Correspondente (18:T) and Calyle's Remiयist netes (1581).
Jeffreys. denbie, liaron, the infamous jutse, was bom at Acton in lenhighaine in 1645 , educated at shewshory, st finul's, and Wont minster sehools, amb called to the har in lifos. He rose rapilly into paretiere at the Ond bailes latr. and hecame in 167 l eommon serjeant of the C'ity of Lambm. Ditherto he had affected to lelonig to the l'uritan party, hat he now bexam to intrigue for conrt favomr, was mate sulicitur to the buke of Yorh, was buidted in $167 \%$ anll becane heromber of London in the following suar. He was atively eqneermed in many of the Popish plot prasectitime, was made elief-jnstice of 'hester am king's sempout in lose, batomet in 1681 , and chief
 phoit win the judicial murler of Agremon Sidmes. hut in every state-trial he proved himelf at willine thol to the elown, thes eaming the special farmir of Janes, who ratised hinn to the pecrare soon after his aressim. Among his darliest trials were thone of Titus (ates and lidond laxter, and in loth he famed hin castomary hutality amb vimidivenes. In the smmer of lasis he was ent to the west to try thome inolvel in Mommuthis rixine, and eamed thin Lard Chancellowhip ly a series of joulicial morders which hate left his name a ligwod for criselty. Three lumberl and twenty were hamed ats mbels during tho blonty Anize, as belluews

 astill larger mumber improwned and whipend with mereilens severity: A drunken and brutal hally:
 sirtims, and ghated with farmand malisnity wer their propertive milforinge. It was his Imasist that he had hathed mom tratims than all his prederemoms since the Complent. He held the lireat seal from Saptember lais. matil the downfall of bames, and
 sident of the mewly meved court of ligh fommision, athl in the trial ai the neven hishans. let he hat rational views on witelofraft, and was ton
 the thitht of hiv maver he tried to follow hiv

 from heing torn in pisers hy the mol．Here he died form month－after，hi＊trame alreals wom

See the life by Wourych（102）aml the apologetic or eulogistic unte by H．I．Hring（1804）．
Jehall．See Arut Stizame，Adiad．
Jehlam．Sme Jinestho
Jeloovalle the ditinctive name for（ime in the Old Testament，in the Ambined Virion is some－ times meldy tranditerated fom the Manometis． Helrew texi．an above．lat more frequenty it in tramatal an＂lonto＇（with matal hetters：＇The
 with lee rowel－if a quite separate worl，Adom．li （＇Lorl＇），an insifinct E heing substituted for the short A．What it－mional buwels were is omly matter of inferme．for wing to a peenliar inter pretation of shelt text an Ex．xx． 7 ．Lex．xsix． H，the name came th the recarled is ineffathe：
 LAX．vamlatm haーズ！ （ireek churell iathers．who wive the forms ．Jube and Jow an tratitimal，as well as the shortenem

 Jeremiah），inticate that mont probahly it was originally－rwken Jeforth（from．Iotureh）．Ety－ mologicatly．it in a thind peran simonar，imper－ feet，probraloly of the verth lumelt（or hifjuh），signi－ fyines＇to let＂＇an remath－the＂rnice．＂sclublars are
 tran－lating the will cans to he or＇he will canse to eme to pat．．while others with mone probibility view it as a ample indicative．The text n－mall： relied on for the explamation of the name $i$－Ex．iii． 14，with it－kimped pawate．The older inter． fretern exphain the verb（here weal in the first perion）in a highly metaphysal and alostract sense ；the 1 am i， 11 who really is，the alose． lutely existent，the etemal．The tembency of mofern pape－i－i－to real a more concrete and historinal meaning into the expmonn，translating
 rime to the divine sumereiguts，intomomy，self determination，treedom，hut wiecially to the free－ dom of the divine grave．This view i－eonlimed by ach a parage allow i．3：• Ye are mut my


 not enteren into the heart if man．sum ratn lan－ shate exprex the ways in whelh hiv livine grace
 itself in the a－set molveaneal－of actualitios of their liver．The langute of Ex．wh ：（which hehnot th the priently or lateet purtion of the lentitemoth has foen taknon pron ing that the name ．hhasah

 tion is hatrills retemolable with what in matil in







 At one time or athother in the hinteny of l－rath ：und of tho 1 luintian chareh，it hat cmusered with

 Certain putions of the Pentitenth，catecially of

 ui the l＇salter－a peculants whim ham an impur ant haring on ghestions．of old Terament enti
 litumatere of the sulbiget，sete the levienn of
 lablicen（ ا心－a）．
Jeisk，or Elsk，a town in the lanim pmince
 ？ H ］of the sea of Azow ，bis mile sill of Azov． Fionnded in lats，it hill grown rapidly，exports conto thax，aml wal，and han cloth mambactures and tameries．Pop． $2^{-}, 965$ ．

Jejoubhoy，Sir dimetsee（fammerlji Iijiblai），a Prasee merchant－prince and philan－ thimpi－t，was hom of peror parent－at Bombay，both duly loas．At an earls perion he shomed at mat atitule for mereantile pmonts，and was tahen intu putnership ly his father－in－law，a bombay mophant，in lam，When peace wa－rentored in Eurane：after the fall of Nitumben the Indian trate with Eurne incraved plommonsy，and in this
 Non Injelhoy had anamed an immense for－ tune，and now beran to＂xhilit liberatiry on a
 maly tu vaion－alueational and phikuthopie intitution in Dombay，an a horpital，a f＂or acym，the l＇arse Benevolent ln－titution，inn a sehom of att：bmilt the Mahim Cameraty： and baid mot of the expenom emnneeted with the cmantruction of the water－works at lama． Almether，letwern aser and lsos he spent ul－ wards of a pharter of a million poumts stming in undertaking of a prely lenevkent chatractor． P＇usee amb Chintian．Himdu and 31 ussubman，were alike the objuts of his lenetieence．The quem
 a haronet．Itedied $1+\mathrm{th}_{1} \mathrm{~A}_{\mathrm{p}}$ mil 1 sin ．
Jejummm．the mithle part of the－mall inter－ time see Dtaiestux．

Jelalabad，a town of Thehmintan．stands near the Kiand lided，alomt half－way letwom the
 of Kalnul．Fommerly a strong fontres－itself，it is now a dirty village of about $30 n$ inhalitants．It is interenting from it：heroie defence loy sis wate
 of $1 \mathrm{~s}-\mathrm{a}$ it wa－heht bo the litioh until lsse．

Jelail－ud－din，a suti lerrian pert（1900－73）．


 A Moscow．Pon fitin．

 if wheat and thon，and late at great hade in catho． It imbuntion indmbe lrather．wall，wanlen，bim


 delf．He wain wheated at Chint Chureli，Oviond，















 -hime, aml wi- lomath ibmeroler in lall. He win










 kinhmor (Int: 4is: file ml. Intit), still the mant



 . lohn in ls.-.
 aml lam of l'watia, was loma at leterwarlem

 Framell Tavolation: the som akn athpted the por fesumb of arms. Jlatine won the entipe erndidenee



 batt in the -npumainm of the llomarian rivins.
 soldier amd ablmini-lator hat a puet. he pmblithed a colluetion of hiv preme at Virmat in lisat.

## 

Drlly. For jelliw madis with fruit. spe Pre.
 jelly amd smilar jellise dopends on their eelatine.

 mation llytmzas, for the mot part attive




 wfort make hathers moste than memofortiahte.
 an thes hatal ly the retibiner tide. The remmome Amplia is a wall hamon rommentatice, white the







 lonts from them and from the . Sumapula in haing




Denlanples. a village in the langian proviner











 form, and the lionsthore hy at form in mamory of



 -hmoth whose monple is 311 ferel hisho dinethe

 illustrions resiblonts were mathen with tahlets in

 it- fommer, the Electur John lowerick of sasomy. 110 fommed it in lots is tor tillir the place of Wittombere as as seat of haming amel evomgelieal dowtrinu: and it som attained a hioh rapmation, thomery not its zenith till the dasio of finthes


 amb ohen: to omr own, of liane and llaeckel.




 namo th two mepara engagements forght on the


 Ibake of lammatiek: the other, on the hoights


 buthy defeated ; aml their defeat motailed that ntter purstation of the pouhurband whim was typitied two rears later loy hor hare homt hedel om




## D-ughiz Vilant. see fiestaths.

## Jenissei. See Yevisel.



 and that, themert no proif of smonding had lown fomme, he liat been tothmel, and hiv rat tom ofle 'I'he sail ear-sumbe said her had lont it in the pit-
 muns: ame a member askimg him what were his forlimes in the home of proil. Ine innwarel, if

 lis the pepmair rlamour formant for whainst prain.

 the 17 th of May $17.4!$, amel was the thitris son of the lier. Stephan demar", vicar of tho pariva, amd reetor of lionkhamprom, Ilis whonling wer, he

 firs reme went in lomden to promente his profes




 grome matmalist. In $17 \% 3$. Innmer wotted in his
 pration. In ITSS lic well hown membit. (th the

 fationes of grmpal partiore han iner herome inksome 10 him. ha resolval to combinn limacelf to medicine,
and with that view lee ohtamed the degret of II．I）． from $\rightarrow$ theres．
＂The dineovers of the prophytactic prowd of vaceination．hy wheh the name of denmer late
 Fonged sarip of whematom and experiments． He wate puraing hiv profosional educatom in tho homse of hiv ma－no at sollory，when at somm：
 of amalljox being mentioned in her premene she obmerved：＂I cansot take that Inenhas，for I have hat cow－pox．＂This was leofore the vear 17：0．If was mot till lös that after hiv retmon to bloucen tembire，he has an＂मportmoty of examinimg imo the truth of the trablitima reoproting com pros and in the montly of Mity I－so，while ridinus with his frienal Edward bablatry，om the ratal betwern Gloneroter and lisiotul，＊he wht wor the natural
 origin of this atlection from the hee of the horse ［when sutlering from the prease ］；preeitied the diflerent wort of diwe we wieh attacked the milkem when they hamdled intected cow－；dwelt nown that variety whicla athomal［rotecotion ayainst sumall pos：and wikl fleep athl insiona chootion mentionel hia hope wo loring able to proparate that variets from one human beinif do amother，till he hat din． seminated the practice all aver the erlole to $^{\text {a }}$ the tutal extmetion of shatlpox．Jhay investiat tions Andayed the atomal disonvery forn less than sixteen vear，when at lengh the erowning experi． ment on Jinnes Pliphe was malle on the 1 thth
 acempli－lamb．This mandiment was followed biy



 clavive，set the pration met with vinhent oplwsition until a rear had bilated，when upwards of serenty
 simed a decharatim of thrir entire cmathene in it． His liscosers was wom prommbated thronghomt the eivilined wohl．Henthar were conformed unan him by fureion monts，and he was elected an honorary member of nearly all the learmed sorietje
 which requiral hinn to pas an examination in Masics．Parlianment womb him in late a grant
 and in the yo：ar lais a publice stithe in his hommur was erecteit in Lombln．Dis batter days weme


















## 

Demalant falves．at retion of vat limestonte






 にい！！。





 and emprositions fur the fiamo．






 pohlema that he attacked，amo hiv lemb－are lone siner securely forgotten．Inderd his nam＂mal！


 tho lowk as shallow ami inallequate，and thi－ judgment dmyn．nover forgave him．Imbed tha armment was mot worth his powder and slont，lat Johnam in hiveritician excedled himati．Jenyons． now orown orthodox，pulbixhed in 17－i a no laco

 he strmpely argued from its utter valance with humati reaーon．

Deblithall．onse of the julbin of larael，wan a hatcolmon mon of filead，and at his fatheres Itrath Wat drivin ont frobn any shate in hiv father inlamitance be the lesitimate mans．We wan a

 in their attemplat throw ofl the yoke of Smmon． Ilecollected lifs wation fronn all phats of lijetul

 first thing that rane forth from the doms of hi－
 with grat sandater，aml twents of theis ribur tithen，hat as the trimmplant complemonew men him lanme at Miagel there came forth to beet han
 and first amoner then hi－hatorluer and omla chill． ＂＇lie hiflopirited manden anher only for two montle in which to hewabl lael haphes fate with
 then retameal to her fither，and－he dial mator hev
 of lyhatan，emvons of his mory，and thin he did cthectively，cutting of thomands of the fonition






 －ngereotion that the conditions oil the vow wom sathered hy a monteme of jerlemal viruinits：but




 Kill II Himer＂．







dows．The soil is very fetole，and is laid ont in





 （Jぶ刀）
 lulonging to a di－timet family，bipmlidit，remath

 are bey smati，hemer the abrient dreek name
 cosered with short hair，and thfted at the emb．

deliva（Dipus aytipters）．
Tha jerlnas are inlabitants of sumly dererts and

 Nomth Ameriat．They are homming amimals， nometmal，very destmetion to main ame other

 are then mot mesel at all，lint hemetns of the himb
 animals，memal yame．Their thes is mid to rearable，that of the rablit．－（＇latily allited to the

 less ant purer of leaping，inhathinat－of the wimm and manly portions of the Ohd Woml．


 evonims newspater，mest joinal the statl of the
 three seraions for the liontash／＇ress，momtributimf at

 who scizel bellinghan atorr lae hat mombered spenere lerevial in the lohby of the llomane of



 lish the liosal sumbty of lituratme ：mat the



 to him sulaseribud lo ly mamy of the fixat mon



 frophol，wht of llilliath，tho prieve，was a hative of

Anathoth（now Anatil），in the teritory of Ben－
 Anathoth while still vound（i．（i）her received the pophetie sall，elemeribed in the＂pening of his
 and his prohetie aetivity，｜nimejatly eander on in fermalem，enontimed for at leat forty sears there－ after：IIV tewhing in it，joblitital，ethical，and relisfous arpects can le mulerstomd omb after a carefal study of the complicated emomstances of his times，which，of comme，eath only Je limatly indicated here．It was after le lati bean for five verus a prophet－in the eighteenth gear of Josiah －that the important ocemreness commeted witl the limbinor of the look of the law（ 2 Kinse，xiin．， sxiii．）took flate ：：mod，althomolt deremiah is mot mentioner in the history at having hat athy but in these，lee wat fully in sumpathy with the refor－ matimn mowement which they inanemated，and most of his distintetive porimetic temehings hat reference to it（see，for example，tspecially xi．1－s ； wii．1！－25）．In the thirty－lirst year of doniah， when Jeremaln had been for eighteren veras a poo phet，necurred the death of that king on the battle． lield of Megiddo，and delamata\％or Shallum，his immediate snccessor，was．after a lirief reign of three months，deposed hy lharali．Neeho，the con－ puemor，in fasonr of delmiakime the mbervient vasal of the EEvjtian king．Jehoiakim had not heen long on the fhrone hefore deremiah began to foretall the dom of dumah amt lerusalem，which he siw to be inevitably appoathing，in the wories of charateristie discomses preared in elaps．vii．－ ix．and xxvi．Waraing the $:$ ewinh lerdens of the folly of the econrity with whieh they vainly tmoted in the presence of the temple of the laral among tham，and bideling them look to the mins of shiloh． It wats at the eluse of tone of these discoursos that he was scized ly the priests amd the fropherts and all the people and hronght before the anthoritien on the eapitat eharge of hatinge prophesied against the＂ity，and it was ehiefly to the intervention of his fast friemd Alikimm，the wom of Shapham，that he owed his acipuittal atme reteates．＇l＇he hattle of （arehemish，in the formth year of dehoialim，when the lefeat aml retreat of Pharaoh Neclow hain the whole of Syria and Valestine open to the apprath of the Chatkeans，natmally hat a profomblellect upon the foreian pwicy of Imbialt：the same vear manked also a new deprature in the propherving


 lation whiel was to last for＂sovonty＂yours．It was in this year that he readuel the divine eom－ mand to commit to writime the sarions orabes he had nut to that time delisered，：am this he did with the assistance of biamelt，his disejple amd friemal．The imalonts of the jobline rembing of
 in the presence of the king，which leal to its being committed to the thames are among the most graphice in the whole lomk（asivi．）．
 sureceded hy his mon decomials，whase lorief amb
 atted in the dapotation of himself and a momber of his sulyjects to Babylon，the indiolent allusted to in the prapible of the two haskets of ligs （xxis．）．Tu these rxilos the propret shortly afterwarls addresserd the letter contaned in chat x vis．，with hopefal asmanese，lat warning them that the captisity womblarainly lat for serenty

 lansurgre slectaring the fatility of all their porlitic
 worl of his pelicy was＇sorve the king of lathyon
and live, and this, in the topth of ander and bittor opporition, he never fitiod to maintait. as, for example, in his pollie enntroner in the temple court with the rival prophet hananiah. where thente was. 1 le shall mot -rme tha king
 of Zequbiahs treacherons and hupolitio alliane with Esept, Xelnehalnezzar, in Zadrliah": nin:l year, invided dudea. For a time ho wia rom. jelleal by the aprearance of an beryptian amy to raise the sege of Jerualem, a tempormy rame whicl let the noble to nee their intlane with the king to rewhe the emancipation of the dave Whith shorty before hat heen porlanem. 'rloin resoeation, against which beremah stmong pro te-terl. was the theme of hix lant puldice athere (xxis.). Pemmated that the eatantrolle lat hand ao long foretod was only justjamerl, he was in the act of leaving derualem in wher to reme ther mot of his day in retirement at Anathoth, when, on the suppieion that he was remerting to the Chathens, he was arrested and throw into primm. still adhering to his ghomy fophecy. he was ansigned to the deepert dunstom, where bat fin the inter. ference of Elmedmelech he woml dombtlen rom hase peri-hed. He wan nut rentored to liberty until an ershteen monthe seoe had emped in the calpure of the city, when he receivel from Sehmanadan permioion to fix his reantence where he chone. It wa- towarak the ent of the sieme that he gave praction proof of his faith in the ultimate return of his combrymen to their wan lame bey exercings his risht of relemption ower the ancestral lands of hix fanily in Amathoth. Jeremiah now attacked limself to didaliah, the ernvernor whon the Babymians hat net orer the Jew- whom they had left, with his hombnarters in Mizull: after the morder of diedaliah ha acompaniad his compatriot- in Tahpanes, the herder eity of Eery where, accoming to tralition, he died a martyrs death.

Viewed in thr light of the precoliner hiof ketch of Jeremiah: - life, it will lo. seen that the luok of his prophecies an we now jowe- it dom not follow any chonological order. It ansi-t of the following
 phecie- relating to Jniah, matly with ame him tomical data attached, ami all iefomping to the perionl prior to the fatl of dernatem: (2) chaps. xl.-xlr., narrative of events anherghont to the till, along with certain popheries hefonging tu that perion, and aloo including an orado relatime to
 (3) xlvi. - l ., wacles relatimy in fomign nation-
 Kethar, and the kingloms of Mazer, Eham. Bahom -of varions dites : aceordins to mat ation, i. li. are not be demiah, but las apphet whan whte in Bathlomia towarl- the rlowe of the mativits: (t) (1nap, lii., a hi-torical appendia clunely paralled to 2 Kinger, xuv.
 fart that the L.X.X. berem of Jommiah ditase on silerathy in itc arrangement from that now zene in
 -harter-by abont ane eighth of the whalo-mainly
 vome The relative value of the diren stal
 detemineal; neither reems the dearn ungmatitiol preformate。
'lhe diatinetive alvaner of Jommiali- twathing


 that the embinnity and vietury of the true iatio comlal not la deventent an the contimily of tho

 to indiviluat, and loringing then ane hy un into a mow emenant with theip fond, written on thom hatas (sxai.). Here for the dirst time in history
 tim of fomb to the individnal somb: and it is 10 Aeremiahis idea of the bew aremant that the

The nust important expositins of Jermata ate thene of Ewald (P'rophets, wol. iii. Enge trans. loni), (iraf

 hes Liffend Times (1808), and Ball's The Prophows of Jomich (1490): and Workman's Tort of Hotmeith ( Lwa) is neful, thugh not to be inplicitly trunted.

## Jere\% de la Fieonterit, See Netiz.

## Jerfalfon, tre Fucen.

Jrrieho. once one of the most flominhines cition of lale-tine two home jonmes wotward from the dordm, and six honrs mortheat firm Jomalem, in a well-watered and fruitinl di.-

 lay the Framplise on their firs entry intu Canam,
 and the rehmilhins of it in the reigh of That, are
 tor have hern attemard the seat of a sclowi of
 the Balymian exile (Eara, ii. 34). The erove of Jerieln were siven by Antony to ("hatatian and proned to Horom the Great. who remind in dericho, heantilied it, and died there It wat docomed in tho reign of Veparian, and asam relmilt ander farlrim. In the time of the cravales it was rematedly captured, and at last completely dentrogel. Tha place is now a shapelen min, with it miverabor sillage Libat or Minaio and exeavation inta the green momma have only din.
 the walls of the city may have been built.

Derked-beref, beef purved ly drying in the -un. It i- prowrly callond cherque, amb, libe its name, is mighally of thalian migim.
Jeroboallis the limat hing of the dividen kingdont of larate He belongent to the thile inf Ephatim, and for hix capacity wion raivel hy Sishmon to be shlarintembent of the laluma : and taxes exacted fom his trilue at the constrmemino of the fortification- underneath the citadel of Zion. "The erowiner thalferction of his tribermen and the almation from sommon of the probletio mater

 he retmod th hat the revolt of the mothom

 the oat. In order to de-tant the wimion ate well an the political unit! of the :meingt hinghon he



 Than his name hav ancemberi in posernial intamy
 tos sin, and foman "atholie writers fonnd in lim a momeniont paralled 10, llemy Vlll. at the
 dhemat from Shijah, wh ai lidnomanm, and liad








non molvown, on the motime of latmatia :bul


 superinteman byy his tather, after which he stmlied







 hate -till further added to the relizions fornome wi


 latomata. In :3al ho wan mbined at pient al Sationd, ator which he spont there rears in Com stamthople in elone intimatey with (ifecory of


 D.amanar, and whore, althongh alreaty engaged in his -nkett wotk of the revinan of the latim berion


 -hatarl direction, the mom remarkable of whont

 levernanel in :

 manh
 or completed the great litoray lahenin of his life: and it was from thexe sultudem, all prowetal an thes minht wern. that lare weat forth the liery ame


 lathanm, anf, althongh in a minor deerere with sithomine llis emollied with the lidamiam




 oriximal works. consintige of latters treations,




 that of the bemolietinto in bul- folins latis.















##  






 IV: chio s-doctimes. When hereathed lome he zeal bisiy tatught the new bloctrine lar had leamed in
 aml Coborne, and aternired a reputation for learn-
 phosed him to help ta reetganise the univernity of (1atow in 140: atm Nionsmam. King of llungiry,
 dormme enterad with hiv whole and into the eontest

 his impatient zeal leat hinn wowerat the bumats of phalence. and even to abose the authority be




 whi. Ife hastily withlew from thr eily, amd aphlied lor a sale eombluct. It wan refored; there"poble erome set ont to retam lo Pragne, hint was
 an! convered to Constame After font months: imparamment he revanted his minions; but eierht momblis later will (in laty $1+16$ ) he boldy with. dren lis recantation, and in the sume leroid wint went to the salke, suth Jay lffi, Soe workis in lemman by llelfer (lasio abl laeker (loss), with

 and wit, Was lom in London, damary : 3 , lsos. Ile was the gommert wan of sammel drrold, ator
 were pasond at Wilols. near Cranhomk in Kent. In 1 sot his father loceatue leace of the theatre at

 -ix or seven beran to manifert an vacions ablotite for luohs. Alwot the end of lator he was sent 10

 wat has shit was patid oft: and the dimo dat of
 in London, where from liroal Cinurt, Low streat,
 appentiae. fn lsty he was a ennmositor on the
 ably dereded his bent towards literatare: lap lasd hery to sea ber foreshuta, and, haviner written at rribician on il, mopped it int" his emplofers letter-hen, atml the mext moming wat hamed his wn mplo tort wh. with an editorial noty to the


 and monning he worked at latin, fremeln, anm! Italian, besibes getting throngha ast amomat of reatina. He lexemme dramatio erition as well as
 Ni- Daty Swann before haindate heland aheals
 laren prowherd, the lims of whinh, Jlare frighlewed

 at : workly sabary, to wate dramas, fareps, de.

 -imilat manmer for the Sumper 'Thatre, whe in


 obl plat were producert, tath one of whirh was chatawtarmed her the athlars migue style and billiant and sparkling dialogne. derohl's rom-



the lay: an his proition becalme more asonted he contribinted to thes . Wonthly, the New. Menthly,
 (a shart-lived pmotatype of the I'wn/t). Hie
 l'unch was -tarted in lutl, athd aterrold was a connstant and inportant contributor from its stomal namber up to the time of his death. Ihes suretes. sively eqlited the /llumimoted J/afozime ( 1548 it),

 In thes. periodical- alomer with fumph, appeared much of his luent work. In joblities-and his was no mean political force- Jervold was Libural, and in lsing he accepted the editorwije of Lloyets II celly Nerosurpor of which it has hern said that he fommel it in the atrest, and anmexed it to literature. In a wis, for what has heen well termed - llashing invinht. devolil stands alone. He died at killum on dune s, last. I conlected edition of Jergolis works. in eight volumes, was published drin!e hi- lifetime ; it contains his prineidal writ.

 Punchis letters to his sim. P'enetis.s Complete Letler-
 tern Lecturs, dr., and fewer than half of Jemolds dranatie works. I rededion tron Jerrolds political writins in houdes war polldi-herl in |stis muler the titlo uf Gther Times. The Lifi- med Rermminsof
 was pmblinled in sing.


 danghter he married (1-49). Eshorated as an artint, Jerroh early abandonal at for liserature, his chief work a a artint boiner the bart lie towh in the porluc.
 He sprued hiv apmentioe-hip th litprature on his father's newopaper, and for a hin't time was re. portar on the lhaty Simes. On hit father's death Blandiard Jermhl hecome qalitor of Lomels, which othice he contimed in the timm of his death, March
 Commincionpy tu swedera, and on lia return fuls-
 (15in). Ha wa-fombler and presulant of the liritish section wi the International Literary Aranciation. A facile and voluminmas writer. "he pmblisheal Childern of Lutetion: 'sut. per 'ivet.: "dion"t

 lomelun-ir P'ilfiemelo, dr. It him dramatie writ-
 un+ of the mont shece-inl fiarom ever writhon.

## Jerryillader. Neetembs.










 harlamer, whiel is at ferement munly wantal, hatt of









 Which has left a number of eaverno amb pianablom of
 reefs of primitive rock which rember the atrornawh dangernus. lietween dersey and the fremeh shame the Eerehos, Jurnfletine, abl Ninmbers indieate at former connection with the mandand, amb thon confirm the traditions which tell of at abatation in comparatively recent times. It in alan notiorable that mobes and toads are foumd in Jeraty, as aboo in Aherney, while there are none in finernery. Airicolture is fursued on small farms held wn femal
 stajle is the jotato, the early protnce of whith comes into the Lomolon market it fortaiglat leveroe that of the west of Englamd, amb thas commanil- at high temproary price. Fonsequently other cultivation has been molinecglected, and the land wreatly stimmated ley artilicial manmes. The fintitis export excenils 60,010 toms yearly, of a value uf t204,000. The rearing of eattle is alan herative: it is entimated that there are fifteelght head of "attle to every loo acore-nearly three times the ratio of the l"nited Kinglom. "The purity of the breed is maintained liy careful otheial reariatration, and the stock fetches higl prices from breeders in Ensland and America. The number of cat the expurted averaves nearly 1600 head ammally (see
 largely of frotatoes and linteher-moat, fran Frinee and England, as the ishad produce little fomd for its wwn eonsamption. There is a larme and well-kept market in St llelier, and a number of sood shops. There are twelve parinhes in all, of which the rectors and constables are conflem members of the "states. the rest of the aserombly beiner elected leputies, with the aldition of the twelve jurats, or juderes of the roval court, whow chief is the hailitf, a trained lawyer. The Janenage of deliberation and judicial havinese is Frenel, thonsh the people among themselves either we English on a form of the ancient Nomman. The parish chmeles are old, lomt have lost many traces of their primitive arehitecture in frequent restura tions. The royal const is a large lont ill-lighted lubling containing sume pictures, the best of which is a full length portrait of Marmhel Conwas, hy (iainshoronyh. The elaracter of the prepple is orderly and frogal. the depmoits in the sivinges
 ism and hard!y any serions erime.

See Ansted and Latham"s "Monnel Ishmols (Lond.
 Hight llon, G, Shaw-Lefevre and liev, larhan Zimeke, and one lay the present writer in the E"nethale Hixforiont lirciew for IAso.
Jersey City, after Sewark the setoml city of
 the weat bank of the Hndmon lisure, ciperexite Now York, of which it is, thonsh in anmolier sate, an extensom, :and witla which and bromklyn it iconmected by stean fortion : a tumand was bating mate in $15 \overline{5} 45$ : and at bilger wan montioned in
 wout by the llathernatch lijere atul Newark lbay:
 , haver (ity is a hasy lout not at hotutitul aty. It











vatuls, aml grain mevitors motable both for their size and etherimer. 'The sile of dersey foty was formerly called bialns Hoock (Howk): the town

 (15: (1) $16: 3.013$.

 to 2 sise frest alowe the satelevel-atamis on the s]mas of two hill surmomed atme diviled ly two vallays, mome leep, now party on wholly fillem 110 with mhbish. Thes evant form of the hills hass reently leoen ascertained hy taking, whenever protheahles, at series of reok levels, of whiclaso have heen ( 1 simb) entreaty laid down over the whond area of the rity. More ate being aldend from day to day, and the conntomm lave beensattleal ly Major Conder. the shrorom of weatern Palestine. with a general acouracy whish com only le guestioned at a fow prints. The divinliner valley lat two shallow hrambes withon the rity, a fant of consinlerable imbortanes in considnomis the conrae of the secomd wall. 'The Esstern llill was oricinally a roumled tole crownel with the 'threshing towe of Arammah,' anm the rock and eaver prohably a samel site from time immamorial. It slopeal steeply to the west anm stadnally to the east : its somthern extremity wan a tompe of land hetween the central valles, the frommon. and the eastom valley of the kedron.

Wheloime mentions sthor forms-linhallum, lriShulum, sand shallam, as furmeqly und in the days of the dews. It is dime mentiomed in doshma, x. I-

 "Which is dernsalem. It has thateotore heen inferreal that the natmo of Jomastern with wisen to the

 appeans as Cruselem, the "City of l'eace. It was therefore known moder that name at leasi 500 years hefore the compurst liy Wainl. 'Ther mothorn fommary of dudah is drawn antla of the delomsite: therefore it is rechonmed ammory the eithes of


 first inoomplete: lofore the time of tho indues it was again "the eity of the stramer. F"inally ronquered ly davil. the lonwer (ity was miter to the Furtress of the (plee llill atmil the whole surronmed hy a wall.

Its History. 'lowe hindory of dem-alen covers a periond of almut shat roam. (lit these, boo at least are prebinturice thomigh orimames of this lomer perion may hereafter ha arrisel at fonm the treasures of the emmeifom inseriptims. of the 3000 rears which remain, less than $\mathbf{j o n}$, how ns dernsalem indepembent, the rapital of a free connery and the wentre of a natimal religiom. For Got voms lomerer the rity was in the hamd of the Is ratelites, it is trae lint maver wholly juderems. ent, always a gey in intemad factions, amb altermately the josamomom of kigyt or some other powerfal notighlour. Lass of inlemmdemer, Brani-hame from the cits. jnaremtion and rxile, have only mater the dew look with more prasonater exem of longing Merit the eity which, when it was lise mon, be aromblat bold withomt inhoatry, "ontrathe uf his own laws, and intronal disabaions.
 tronure! 'Vlat period lemoned by more than :0010 reatm: ret the passionate lowe of the dow for Jerusalem is no whit dininished.

Hore arm tha lamlmats of its history. Its Hame is fomme on an imerifition 500 frears at least hefore latsid (nere alon dian, xiv. 18): it was lwabioned almost
 than a lomdred foet, pementol smilar characteristice of a sterp valley on ritlex site and a tongure of laml romangen southwark. Either hill was 1 here-
 as ate funmi in wrat nmmbers in Vmeland-e.er. the innebent stromerlohl ralleal ("istle Nuroche, in
 fortrem whirh batid stommet. This weaktress of the plate for purgoses of dafenem lay in its in. safticiont supply of water. Wha mbing. that now

 runs forn thin nprines to the Fonl of Silatur lown, anters within the contre of the ohl (Gher wall. There is alko a well ralled Itamman enshafa in the very rantre of tha city, elows tor the lails all. K゙attanin ('ator of thr (intom Xerchants') in ther Ilarion alo a.


 goornather, who khew the Jewinh mane form-
immonliately after the dobith of Joshma, rimer


 and wholly destrosed. F"itty reirs liter (si36 s.e.) the emint of ("yms emalbat the people to retmon the tomply was mbilt; for a hamdred rears partites of tha, bens otraceryed batio lizat
 yoars after this dera-aleoln linow mot a simorle creneration of prates. Intornal inctions tome it to pinces: the rity was tho posses-ion in than of
 It was nevor wholly imbernhlent: there was maver
 dentruction hy Noblozaratan. It is at grad pity that those who budy the hastory of Jemballem wenmally pass ower the perioul from Xelamial to loreol as of litthe intoment. It is, an the uthar land, a time of the greatest intornat, nom fall of instmetion for thase whor ulady the development


paginn enlt was growing olmolete: the gouls of Hellaz bal invaleal syria; thom of lharniona were forgotten. Inder Antimehor the testple wan com-
 the altars; the Jewish ritos and cememoniwn the oharovance of the siabhath, the sumbices enjoinnal he the law, the rite of ciromanision-were forhishlen. Inal it not leen for one family-1 he bumat illastrions rebel on record-ther religinn of the - lews wonld bave bem abombened and their hation-
 history of this perionl (new Marabees).

It is mot. however, a time un which the historian dwells with pleasmes. The chamater of the perple. always biery and finll of zeal. turned to tanationan: their repect for the law, forced minn themberersention amb lisaster, turned to a worship of the letter : thes divided into seet - whin hated rach other moie bitterly than they hateal the dientile. The pictuse of Jerusalem and its fornge during the fifty years whish prearled the dentruction of the city liy 'Titn* is nowhere smrpased in all the hark annals of religioms zeal. Thee city was hewiegel, taken, and tolally destroved hy Titus, 70 A. $\quad$.

Ibring the honig hiatory of dem-alem-the City of l'une-it -n-tained mentern -iegon: twice it was utterly deatroyod amd racel to the armmal. There is no eity in the world whose mil hits leen more repeaterlly Arenchen with the blool of its peopho-the thomsands who have pri-hed lis the sworl within these gray wallo frome the time when the "ehilimen of Indah mote it with the edge of the sword ant set it on tire tu the day when Giodires de bomillon and bis kninhts rofe in a strean of homi reaching to their saldle girths to recover the 11 dy gepmlelire.

The history of the city to the dentraction ly Titus is the hi-tory a- erntained in the lible ; that which follows is at reand volmane divided into fomr ehaptess. The tir-t hapter contains the early centuries of cori-tianity, for themont part a preace. fal time when the land wa- asembl with monas. teries, churehes, anm lermitages: when the vaice of paam and prayer nuver ceaned day or might. The city eontainet the ofent group of "hurebes of
 of the Anavtavix. hoilt not wor' the selmelure, hut to the ean oi it. the sopmlolare iturli being minamented with ealumas and opme to the stiy. I'ilgrimazes began at tirst to the site of the . Iveension, afterwards, an wther site were miraculomsly recovered, to that of every reeno in the wospel bistory. The Pervians rane bly A.In, sacked the city, and destroved all the charehes. Then the
 without a hosw.

The vecome chapter contain* tho Nowent rule
 Iuntinian's great -hureh of st Mary fumishime the prinailas eatitice : the Fomn of the linels was lanilt:
 Illah, the church of the lloly sephlehre wa again reatruyed.
"low thiral chapter is that of tho latin kingronn (10!13 1244). The constitution of this kinshom, as contained in the Assises de Jomontem. in lho most valnatble lowment extant on the princijase of bomblatiom. 'The kinerlobn, after contimumb war
 ermatore "vor sumeed in rotations it. It was,
 in 120! crownel hime:lf in the ehmed with his uwn

 under the Movems (since leyt). It wat in Eisit
 'lhe wown hanilrod buarm condrall lyy thi chatphat have luan for the nowt fart years of petuen. That
chmonielen of lated searn are batren amd devomia of inchlent.

Its Monmments.-The primeipal lomilalings amd mumments for which the evpher of the monlarn -ity have to lows for tho fime second, and thind wail- of the wreat temple itsolf; the roval towns

 Tombis of the kings: and certain lowls. It wonld be strange indeed if, after so many sitges and sumany gencrations, much monh survive of the city of Ilerol, to say nothing of the city of Sulonimen. There is, however, more than might have been spected, more in proprotion than remains of anciont lomme of the former late; far mome than lemains of Ture, Carthare, or Corinth. The town wan an carefully examined by the ordnance surver of sir Charles Wilnom in 1865 that it seemed an if everythme above cromme most have heen fonme. Vet we most not furget that Clemont tiametan foum almse grombl the inseribed stone of the tumple, and that there may still be mont impurtant remain: lmilt unin walls. Excavations on a very extensise sale have also been cunducted las tir 'hater Warren in 1s67-70, Jajo ('omder in isil76. Clemont lianmean in $15.4 \%$. the linssians, the French, and the dinmans; so that since 1870 the whale of the frevims literature in dernatem topograpliy has lecome completely antiquated. In the 'Jeru-alem volume of the surery of Hestern I'rlestine the anthors, Warren and Conder, have emmeratel most of the monuments that now exist above grombt or have heen discovered mater ingombl. They are hatiy as follows:
(1) The rack soarps ons the surnth of Zinn, which were alnust
 the timi of 1 lawi .
(2) The tomb, weat of the rutuma of the Huly spmalehr Clarch. kinwn as that if Nendemus Its torm as that of the ohlurst ejass of dewish tonubs. If the sitm was tormerly within the second wall this must have been the Tombs of the Kmas.
(3) Thu wrent roch-cut passase from the Virgin's Fomit to the Pon of shan. This can hardiy be murn recent than the Sth cometury mac. The inserition ilscuveral thete in Absuct lsyo is ludew frome the furm of the letters
(4) The wail ut ophel. dscusered by sir C. Warron (antis 64).
(5) Therock searp the Tower if Bars. Thes is nust protatily that scarp nuw exinting at the $\therefore 10$. angle of the liaram.
(6) The rank-cht monumente in the Kedron valles. Many belong aflaranty to the Hasmonfan prom (2d c. B.r.).
(6) The Haram aroa itholf, the site of the temple, with its stupethlus walls, its ancient gates, its waingoplace, and the buidings withia it: the susque el. Aks, in lume if the Ronk, the Dumb of the Cham, the Golan Gate, ats bart vanlts, hitherto bus hittle exphored.
(8) The Prool Amyedalon, how calleth Itezekiah's Pool. This is protally as uhl as Hermi

(10) Th. Twn fool, half of which was foum by Witson in $1860^{1}$ anl the whe rhalf hy Waren in 1568.


 arch. The remans if that arch atod the "ppaster fier




(14) The Basilwa il the Anastans. Complow by Comatanthe


















 of those babl|liong
 Towne of lavel on the site of lhatsallus (?) is mainly the work of tha* l'satis, aml at grat ldal of tle caty wall is of crusinting thors.
These are the principal momments now exitimg. We may add the discosers in 1s5 of a fragment of what was certainly part of the secome wath, certain rock searps which are -mpmod to helong to the same wall, and a wall with a gate disenveren in the buiding of the I'rote-tant durch, which has heen conjectured to belong to this wall. But this is uncertain, as the comse of the wall has newr been clearly ascertained.

The hestorntion of the City,-The restoration of the : ancient city, whether mader llemb or solomom, has bern the subject of keen controversy for many years. It is, of comese, perfectly whll known that the the ordinary pilyme every spot in the city conneted with the sacred Narrative is exactly avertamed. He hav no dombt. The first who ventured to disent from the anthority of tradition and the priests was one Korte, a Cerman printer.
 Thers, howerar, a landred yeas later, he was followed by fr Robinson, who aroued that the charel of the Woly semplelere mould mot possibly cover the site of our laril's tomb. In the year 154 IIr danmes Fergnswon, a well-kawn stmlent of Imlian architectare, prownced an exsay on the tongraphy of lemalem, in which he advanom the propusition that the bome of the liock was mot builr ley Melek at all, hat ly Comstantine, that it covered the Holy sepuldure, that the site hat heen transerred at some time or other-during some period of disturbance-that the templiz was not luilt wer the 'Rock,' lint in the sontli.west cornen of the llaram. These revolntionary views wor. alopted by a small party, and eren adrancel in Smithis Dictionnry of the bidhe. Since that time the opinisn haw also lreen advancel further that Momnt Zion and the city of havil were not the mper but the lower hill, and that the latter was situated on the morthem show of "phel. These $\checkmark$ iews, of conse, necessitated a complete recasting uf the toporgaphy, with results that haw heen, with varions moditications, before the worlh for forty years. As regarls the general aceptance of these theories it in mongh to say that Warmen, the exporer of derusalem, and comber, the suregor of westem Pratentine: that Palmer and he Strang. amoner linsuists; that he Vasue, Genre Williams,
 scholars; with may other seholins, all alike reme to aceept them: and that not a single arditect of - mineme has followed Frgasson's virws as to the diate of the bome of the linek.

The sites adophed in this artidw are thome ado raten loy Warren ind romer, who anme in the main puints. The retwoms will le biedly indicate.
(1) The Nite of the Templl:-I was within the llareme are:, which is defined ly the mins of its.
 reachal from 'valley to valley ; that the wall of
 on the top of the hill; that the Towner of Sitemia stome on al lofty rowk north of the hill. Not one of
 vinw. which plames the tomple in the somth wat

 and on the lewe part of the rilge. This theng

 wim ntterly manown. The hill ham now herot contorrent, and it secme certain that if Jowhome
 Which, acording th Du Vorne, wan just amth, and
aceordine to Warem, was just north, of the altar. The latter aho make it the fommation of the gate Nitzotz. Comber, on the other hand, indentifes the rowk, which is the highent print of the hill, with the fomdation stone of the Holy Honse. He there fore follows dosephes axatly. Not onty this: he follows a toaditime aecopted miserally he dow, fhristian, imb Xoshom. Now it is a maxim hased on the experience of this oflicer, who has given far more time and attention to this sulbjeet than any other traveller or selolar, that when a tradition is acepted ly all alike it is generaliy true. From evers other monsidemation, indeed, Conder's views seen impregathe. If Nolomon hilt his temple where Fergusson put it, he either built it half way down the hill and on a steep shop, or he had to make enormons suh-struthres to begin with: he eluse for his site a hill with a slope of 1 in 5 : he nergle ted the olvions adrantanes of the smmmit; and he departed from the miversal caston of chowing the highest part of the hill for temple, fortrese, or city: As recraris the prosition of Antonia, that arree- perfectly with the rock searps now known to exist at the northeast of the Haram area and witl doxephns. Futher, if the temple had leen lmilt at the somtli-west comer there would have been a hreak in the continnity of the wall at a point tion feet eant of the sulth-west angle-that is, at the lomble Gate. Nosurlo hreak oceurs, and no trace of fomblations semains where the east wall of the temple winhl have stowl. The whole of the walls almot the Haram have loen examined at ditlerent prints: they all belong to the same period, and were built ly the stm huilder. Hut, it is argned, Josemms says that the temple enelosure was a stalinm in lengeth on cach sile. Fergussm began, therefore, by measming out a space of 60 o fert. Why Josephus should in one phace be eomsislered as accurate as a moldern emgineer and in all other places shomb be ablinowleded ats a lows :and inatomate writer is not apparant. Comser, however, and those who agree with him mend the ditienly l supming (as the Mishath also does) that the simed enclosure, satimuted, not mowered, las Josephas, meant the sacred comit within which mu tientile cond enter. (Nee Warren and ('ombers. Jcrusthem.)
(2) The Stite of the Ioly Sepulthere-'This site is wen more impertant on topgrapheal grombs than the exact position of the tompla. Fir on it ale pends the romse of the secomb wall. On other gromb it is ingortant, becemse the whole 'puestion of tranlition and its valmo deperndo wosit. If we "an frove that the seromd wall man without the charch. then Christ emald never have ben huried here, and the whole mass of medieval traditions comes tornding to the grombl, draging with thom athomsind sundextitions and tralitions atta hed to other places. Fergumom says that the bobe of the liock in the actual chard built ly constantine. Nuw this charela was mitaly dentrayed ly lakem.
 chared comblat have stemb on this site. hut

 There exits at long emtom of evidence from the Hordeans figrim of the H1 wentmy to the pese ent. day, whinlo, when it is arranged in chmongital mriler, makes it imposible. Io rombt that the Iasiliat ereedad ley comstantine was om the site of the presme charedi.

Wis. howerer, the the site of the forly sepmelire lomen th the thristians of that thene? The puent writor agron with them who believe that in the thl remtury the site of the Holy S"pmble was uthorly hat and forgoten. There is not a himt anywhe to shew that it was known or ramel about. No tradition of it survived. When
pilerims lirst began to visit the eity they were shown the site of the dsensom: it wat the living Lonl they worshipped, not the deat christ. Is for the tombitself, they never so much as inyuited affel it. When sites beginn to be mannfatmad this would doubthes lue one of the lirst, and
 borly when they day un the wromal covering what they called the site of the Lomb- zomb, and aetually alid' finl a tomb there! 'The ditfienlty of a trans. ference of sites-thomolh sites are sometimes trans-ferred-is enomonsly increasen in this case, beeanse there never ceased, lurimer the time, when the tran-ference was possible, a contimnons stream, first, of Chriatian pilgrims, inchaling cleries a w well as ignorant people, and next, of Malem pilgrims: and in order to gain evidence for their story, the Christians who ehanged the site would have to get the Mustens to join in the framl. And how was the memory of the whl site to lee ohliteriteal from the minds of the lumple? $^{\prime \prime}$ ?

There are many other ofuestions connected with the topugraphy of the city, such as the apparent confusion of liount Zion, sometimes with the city of Cavil, and somptimes with the temple: the description of the rity given in the look of Neliemial: the date and parpose of the fonlden Gate: the provition of the pates of the eity: the comrse of the first, secombl, amol thitd walls; the rosal towers: the Tombe of the Kinse, with many others which mast he leit for a more detailoil inventigation. Neantime to lix the site of the temple. Antonia, the lirat and second walls, and the Basilina of the Anaztatio is to go far toward elearing up the whole of this ditlionlt puestiom emmneeteld with the remonery of lermsaltam.
.THodern Jermatcm. -The present city contains abmut 48,000 inhalitants, of whom half are Jews. a pliarter Moslems, and the rout Cliristians of varions sects. Thare arn thros sects of Jews, the sephardim, of Sparish orinin: the Ablisenaxim, of liprman or loblish migin, thamelves divided into weveral seet : : mhl the karaitom. "lohe
 gians. Copits, frrians, Dlywinians. Latins, and
 taims, the city lan [at lithe commoree, antl [rati cally no manufactures of litle bears it bas grown a con-iderable way ont-inh its wall- the dnll,
 on every side. Therlimate ha- heen mombared to that of the south of l'ranere. Show sometimomith
 and continue to fall at intorvit till flril, whon a
 arre now lanks ant fotel- and a railusy from


The best hooks on Jerusalum are [b. Vogne"s Trmple de Jeruachom: Warren and Comler's Jomaterll (Palen tine Exploration lumi), with its :riat jwrtfollo nf

 Senemene of the l'alestine Explarathon Fund, for wheli

 Fund, is invaluathe liecause it is the only frime which

 chapter on Jernsalem. Amp far arotatectare the fe is the work ( ima) of Profesaur Hayter L, wi, on thi (home of










Ireland, ami moler the joint protection of Entrland and Jrussia. Thes right of aplynintment was to lie alternately with mall ai the poteeting sovern.
 tion on the grart of tha 'Tautarian section of the
 the Roman Cotholic Chureh, and rommang intercommonion with l'uotestant, monerpappal lrussia; aml Newman resarded it as the thimblow, which tinally shattered his faitlo in the Anslican Chmeln.' 'The first hishop, Aleximder, was a convertel German dew who had talien orders in the Englinh Chareh. On his death (lst5), Rishul (iohert, a Gemman Swiss who had hean in the service of the landun Misonary Soriety, was apmointed hy l'ussia. He died in 1879; and on the reath of tho thime hishop, Darclay (named hy Ensland), in 1s4.3, no smocessor was apmointed. "Prussia with. drew from the agreement in 1856 ; and since $185 \%$ the hishopric is a misnonary hishopric of the Chureh of Ensland exclusively: See llechler, The Jerisuch we bisheopre" (Issis).

Derinalent Artichoke. or Topinambirat (Helumthus tuberosus), a plant of the natural order Compositar, and of the same genus with the common Suntlower (q.v.), is a native of Brazil. The word bernailum, in the English name, is it cormption af the latian giretsole, "muntower: the
 of Havour in the eatable prart-the thber-to the Cilohe artichoke. The Jerusalen artichoke has straisht, sparsely hanching stems from $s$ to 12 feet ligh, and many romgli. ovate, acute stalked leave-: and in the end of antumn. thongh rarely in Scotland, produces yellow Howers renmmhing those of the common sinnHower, lomt smaller. The thick. Heshy, ann knotued promonial rout pronlaces, betty clonesly ammod it, oval ar ronmulisle tulers, somutimes thirty or tifty in manher, which are red dish om the ontside, and whiti 4 within, in a]perarance very similar to potatoes. They have a sweptish, mome lamimoms tante when boilma, and itre mach more watery anal loss nombishing than pota toes. 'They are how "rer, very palatable, Whan pronery lyematred with sume imbl make very froml romp. "Mar plant in alsu uspint for fomeler for catcle, sirded by its leatros and the name tember birts if the stems. Tha stems and leases (ombailn mumb nitres. and have latan und fos making from-h. The dibure is max for makinet



Derusalam Sretelate (Hicuenthus thlu ressus).



 tar whinh it in sambe mosolute perse phane. It is






## Dermsalem Chamber，see Wentmaster．

Jervandx dbbey（bemounerd dares），a ruined Cistercian abliey of Vomshim， 13 m mile NW，of lijwn．It was loult in lloti by momle
 divanatled in 1839，its last anil twehty thinh ablant having leen lamged two years before for his thate in the lidqrimare of tima，lto aranty rims were excovaten in lwos hy the Eat of Sile himer．

Jervis．Sir doms．Seest Vintent（E．bel）．
Jesi，or lesi（anc．Essitem or Exis），a walled town of Italy， 17 mites lig rail sill．of Ancoma， has a cathedial，a won－honse with good pietnes， manfacturen of silk，paper，soap，Se．，and a trade in wine，olive－sil，mm，and elsese．Here the Emperor Frederick 11．was lorn．I＇op，12，11s．

## Jessimille．See Jasmane．

Jesse．Emwimis，a pelphar writer on natural history，was bom at Intom（＇ramswick，lorkshire， 1411 hantary 1：80．He trerame clerk in a govern－ ment whice，and was suceessively secretary to Loml Dartmouth，commisioner of hackney eoaches，and deputy surveyorgeneral of the royal parks am？ palaces．He diod at Brighton，peth March Istis． His lmoks inchude Clermings in Nutural IIstory （1832－35），Ah Angler＇s Litinhtes（1836），S＇renes unil Tales of Connatry Life（J8t4），Amodotes of hags （1846），and Lectures all Noturnl History（186］）； besicles editions of Walton＇s Compllte Anglor＇ White＇s selborne，and Ritchie＇s IV＂indsor Custle．Sut Mrs Honstonn＇－Syhemes Reflicious（Lond．1stm）． －John Mexemge Jesse，som of the forequing， was hom in 1815，and at an early age filled a place in the secretary＇s departmont of the Almiraty at Whitehall．Itic hal alrealy written perms amd flays without success，when her found his work in at series of hight and interesting works in the fiehil of homestic history，which have yet far more than their mere readahleness to eommend them to semeral realers，if not to serions students．These are Mentirs of the Court of Enghemed during the Rrion of the stuurts（1540），Demoirs of the Cout of lombon from the lievelution of 1388 to the Death of Cicurge 1f．（tst3），Gowne Seturyn and his（bne－ temporatios（1843－44），Mcmenis of the lbetemers ond their Artherents（twis），Liaheist the Third mul his Contimporterts（1stie），and henoirs of the Life wod licige of himy fieorge the Third（is67）， the lint his hest hook．Other works are his

 Romertrhle l＇hers（ $1 \times 71$ ）：and lacmoiss of（ele－ brated Etomions（15i5）．He lied 7th July ix．t．
Jesse Window，a wimdow that han the genea－ logical tree of desme，father of bavid，paimed on ite ghime or semptured on the mallions．Sinth were once common in chather．
Jessor，also called Kisma，a town of bengal， capital of a district， $\boldsymbol{T}$ mile hy hat NE，of Gial．
 tral Rengal hailway desem hats devilogual into a traling－mart of some imunstance in lowal problucts．
Jest－hooks are of two kinds：colloctions of witty sayinge and practial jokes whith moner the names of rertain men who wore weletrated in their lay as＂memy fellows，＂：mul cultertions of facetice，frathmed from man sonrees，andent and

 facelia．Ilem all the jests and pratical johos arr

 thom is gemune on ：

 death in morler to mimmlate its salle and pepratarity．

A notable exampla is foumb it Tarltonis．Anvice to reach London withomt expense，at a time when he Was in the comutry mon with ath empty purse ：he （ontriyed to have hinselt arrested as a seminary priest and talien me to the metromalis，where lie was at onee reoghimed athl wet at herty．This is a variant of the Well－known stom of liabelais，with his three packits uf hambless woml－anher，labelled －Posison for the king，＇Ioism for the Queen， ＇loumm for the Dauphin．＇And it reaprars in another jout－look of the same flase，in the com－ masition of whiclt the leamed man unter whose mane it ghes hat mo more shate than he hat in that of the Talmul，namely，The l＇itty und linter－ trining Expluits of Grerge Buchermen，ammenly called the King＇s Fom．Another oha Enatish book of thic kind is the dests of steogen，whiels the enterpriving pintar fonsten on the pablie－as was alow done in the case of the Thles of the Mul Mrn of Cothom（see Gutham）－as having heent compiles］ly．＇A．B．of Phiticke Dontour， mamine the facetions Andrew borile．In this hook Sogin，or Scuzan，＇a scholler of Oxford，＇is rempented as daving all sorts of tricks，most of whitlare foum in earlier collections，aml all are tracealle in lirench，Italim，and Asiatic sources． For cxample，with the letp of his＇chamber－fellow，＇ be cheate a simple rustic out of half his tlock of －here hy bersuating hint that they are really hogs －a trick which mot only necurs in medieval latin collertions and all the jest－luoks of Europe，but haw its prolatale original in an ohl Indian work entite Hitnueters（a sanskit form of the Fables of lilpay，or lish pai），where，in like manner，three －haper chat a brahman of a goat he is camsing to steritiet，ly making lin lofleve it is a dog． Oi sther jest－hnoks the Pleesome Conceits of ohl Indson，the Jiry Lomboner，is a goom example alluit，as usual，coutaining little that is not found Clsewhere．Ohd Inohson is a contimen pritutieal joker，amd many of his hest concerit turn on morely verbal muibles．Two more books of this class are the Jests of ticocge I＇evtr，the player， and Archy Armstrongs：Bimput of Jests：and it is harally nectemary to say that their names are all that is thairs in the eolloctions．
The oldest known Encli＝h jent－laok in A II medred Moy Talys（alwut 508．），to whim the lively Deathier fofers when she says to benedick．in Much Allo chont Sotherg（Act II．：meme i．），＇Will you tell me who told yom that I was dimbinfinl，amil that 1 hand all my good wit out of the Mumbere Merr！ Tules？Next in mrem of date－amb of internst also

 1533）．From the ene two the compilat of subsequent
 very fredy，with whe matale exception，Taylor＇s
 Which，he tells us in the length：title－page，he


 which is．＇made up and fithomet into＇limeles，


 all bur bingli－h jat lawkis lis whifle we meat that it enotains very fors of the tales fomm in the eartier collections．Amb if we sed for the reamon of this，it is prohathy to be foumb in the superior antrataren which lingor posesead wed mare litarary latelo who＂ore able ouly＇to make now bums as apothoratios maks niw mistures，
 promana of a Thanmes wateman，whish mumb hate homght him iator ewntact with all whto ant comlitions of men，thon whom，more mpecially
cea-captainc. he prolvalyly learmed a goonly jurtion


The esarliest coltertions ate laremely derived from clawieal imblombish sourers, ami some of the
 are at the expmas of the monk and friats, whase freed anml licentionsmes are the shlijects of onspare Fing rioliunle. Not a faw exhibit women in no revy favomrable lisfit, whother maile or matron- and these we mary lwe sure are the invention of mina. gonis charchmen. Such tale -how that women wore held in ahmot as low entimation in Enrope during the mildle agen and lemg after, as they seem ever to lave lown in A-iatic commtries: and there can $\mathrm{la}^{*}$ litto douln that this was due mainly to the monk-anl friars. for whom mor own Chancer had seldom at groml word to say. There is, however, com-iblemble homomi in some of these tales at the expen-a of whmen ; and, after all, buman nature is bary much the same in every age and place: as, for evampla, in the story of the young woman whongerved for the deatlo of her hoshand, and lop father trion in vain to convole her bes sut ing that hos has wot liws another hmonal, hat she derlanal the womld bave him not: however, when they were all -eated at dinner, she whispered to him, amid-t here oblo, Father, where is this same yowneman that i- th lie my limathand?" To which the story toller ald the moral' that 'he this ye may sest that it is no more wonder for a woman to weep than fur a gome to wo harefoot."

The he-t known of Engli-h collections of faceti;? is Jon Millor: Jest limul. or the Wit's T'ale Mermom. which. evem in it-original fom (1739), is a mere compilation of wittirinnc. Hrawn ly the versatile Jobn Wottley mainly from l6th and 17 th century jest-lmonk the beat joke in it heing the name of Josepll Miller (1644-1785) on the titlepace: for, thongh a comedian hy frotesion it is satid that he was nesver kuown to make a joke in hiv lite. Those who aye woll imentinted with the humoroms literature of onher conntrin an well as that of our own mbst confew that if our jest books, both ancient and mombern, wert. -triplerl of all that is borrowed, the mamber of joks that we can fairly elaim wonlal lee exceselingly few indeed. But, for the matter of that, no oflier commory in better. The late Mr lideton ha- jo-ly rmmarken that "an monfabliar jent is rarely met with in the lower strata of tietion. 'The luest jokes have lieen for agen known alike to the lan-ain of Nomvegian pea-ant, the vins-1heway of lorano or Shain, the Italian rantie. the Aroyllshire crofer, the watder-
 Hinelu, suml the crafty "hinwot. We base aver the aremps of monntelank jese which ham of late yeare cumb into vogue in the comers of many American new-palyer. as it is likely som to perich of it - own intirmitita. Now of the early Engrli=h jowthouk- mantionerel in this article are now, in theor miginal forms, of extreme rarity, althomph thare must hase heen many and latge ealitione of thent. Ir tt. ('. Ilazlitt whon has reprinted a comideralde number of them in his
 frofame and note think- that they werm litratly
 acmont fow their exemeding rarity, and we are
 copion some alowersed darimg the lonritanioal
 when ther reaction wot in with tha liowtoration,
 wit-would lugein aforla. though they dial mut diadain 10 wathe at very lilueral 11 ore of the antifutaterl jext tumbi-
lunsides the lumk alroaly incilentally mantinned, mont oolbectoms of folklore and of chap lasike contais jests.

Again. many books of this class are rollghly gromped as - Facetia. in booksellers hst, especially if inore on leas grimoses in character. Gond baghish jest-lnank of the Cavalier periobl are the Westmmater Ibrellow. "homon
 of loston ( 3 vols.). See artacles lidupal, (nap-BookFolklone, and Gothim.
Jesters. Coutit, persons who were kept in the householis of princes and leser dignitarie- to firmish ammentent hy their real or atfected folly, and hence commonly called Court Fools. It what time they were introluced into Enropean comps has not heen precisely asertained, hot theme is reason to sulymse that they exi-ted in Englam! luring the perioul of our waxon history, ant eertainly in the reign of William the Conquerns since an almox contemporary listorian, Waitre Wace, has left a curions accome of the prevervation of Williams: life, when he was only Thake of Normanly, ly his fool Goles. other fowls whose names have lescented are the Hitard of Edmmel Ironsile, the Will Somers of Henry VIII., Archie Amastrong, who lost his office for jenta which the petty-minded Land could not chlure: and in France caillet and Triboulet in the time of Francis I. and Chicot in the reign of Hemy III. Tribmbet figures in Rablelais, ant is the hero of Hugo Le roi somuse and of Verli's Ridoltto. The last mivate persm to keep a fool in Euglam wan Lorl Snilolk, whene jester, Dicky lipree, was hmied at Berkeley in 1-2s. Tu Donces Illustrationes of Shatipymare (1807) there is a elissertation on elowns and fools, with an account of their beculiar ares. the motler coat, the tight breeches with lers of different colours, the cowl hearing asses cars and crested with a eockscomb, and the hauble, a slont staft with a ridienlons head. Wonce diviles them into nine classes, and find. the prarent of the shakegrearian stave clown in the 'vice' of the mysteries and moralities.

In the East the office of jester existeal in the sth century, and probahly much earlier in India. The famons Calif Ilaroun al-Raschitl hal a jeter named Bahalit, some of whose sayinss and hoings have been preserved hy Aralian writers. He appeas to have prsessed rivacity, wit, and ohservation, which were, however, often concealed under a mark of simplicity, and he was permitted to take wreat liberties with the calif's courtiers. 'I wish, said Harmon to him one day, I winl you would procure me a list of all the forils in bambal.' 'That would he ditlicult, O Commander of the Faithful," repliod the jester: 'Int if yon desire to know the wise men, the catalogue may som he completed." This found its way-mututis mutuntis-into Enclinh jest-lomok in the Ifth century. One day batabial was dimovered seated on the ralits thome, for which Harom awarded him at whiping: then said the jester, "O Commander of the Faithinl, 1 sat in this seat only balf an hum and hase been whipmed for doing so; what dove dentre whos sit in it every laye", The jester monbtless thonsht the - liglat scomging he rectivel wan amply compensated ly the lay of whll biecon which llarom ordered to lue given to him for his witty remark.

From the practioal jokes pendinty arribed to Lamakistnan, he may be tylod the sorerin of Madras. 1 collection of hie jeste in the Tamil langume was trambated into Vinglixh and Tehomi ly Narrain Sawmy, amb phbished at Marra- in 1839, and mot a fow of thomare almot inention with
 Fhglish scomin ame the latian timeflat. Thin
 enlowed with so bued wit that he lowame the preatest jester in the word, and hy the memere


jesters, hamakimans tom rearly wit frequently romsed his royal master's wrath: lim though sometimes condemed to death he always evaded it, and was again amd igain receivel with fatome through his irresistible drollery. His jests, howevr, have mone of the emaseness which is the chief charatertisie of his western herthren: for example, in his connteppart to the well-known jest of semin, When the king commanted him never to show his face in the royal presence again, he saves propriety and earries out his jest bentering with a large pot wer his heal and down to his shonklers. See


Desuits. ur sumety of Jesis, a celebrated religions order of the Roman Catholie Chureh. whill has tilled a large - man in the ecelesiastical and ewen the politimal history of the work. It wan foumben in 1.234 hy Lenatins Loyola (I.v.), in conrent with tive associates-Peter Le Fevre, a Sawyat : three Sbands-lames Lainez, Francis Xis ier, and Nicholas Bohntilla; and a Portnguese named liomiguez. The original oljeet of associatinn was limited to a pilgrinage to the Holy Land, and a mission for the comversion of infilels: but atall aceos to the Holy Lamb was precluded by the outhorak of a war with the Turks, the associates turned their thomists to a more comprehensive arsanination, specially designed to meet those more madern requirements which had arisen since the Kofomation. With this view, Ignatins Lovola, with Latuez ant Le fence, having meanwhile rermited several new associates, repared to liome in 1539, aml sumitted to the pope, l'anl HIT. the rule of the popmed orler, the great aim of which was expressed in their idopited motto: Ad Moform hi (iturime ('To the qreater ilory of (ion') : and the bow of which, in allition to the threefold -hligation- common to all 'atholie religious orders. of chatity, poverty, and ohedience, comprised a fourth. wherely the members lound themselves anremeredly to go ar missionaties to any eomatry which the frome might indicate to them. The now mhe was apposed hy a hall of $15+4$ : and in the following year the asociation was pratetically inaminated at Rome, hy the election of lanatios layola as its first qeneral.

The miginal comstitution of the soriety has undergone few monlifications. Althongh it is consmonly ippenemted as abolutely monarinical, yet the antlanty of the weneral is, in many rempects. striotly limited. It is true that the genemb-who is elerted ha a congreratim of professed membrars. comporel if two lected fathel: in wach powine tosether with the provincial-holls his othere for life: and, although he is iniled in his gowroment ley a combeil of five assistamta he is not obliged to follon their ablve even whon mamoms. These ansistant- are elected by the mane comprecation that ele et the wereral, whem remain in oflice Turing his life. Euch thointat haw a move immediate chatye of at eromp of proviners and misionts callenl ata hisistmery, fommen many arorling to the
 Fivench, Abunish, and English. But thagh the pencral is the absolutely free in lis decisions, he is atrietly bond hy the comstitntions of the ordar ; nom, although be may lispense in praticular caten, is lat comptent of his own antherity to anmal or

 plaint may lux bentiment. Every there seam a Comprestion of lrownaters as it is callod, is smmmoned by the esporrat. This is compused of



 nader the pexillow of the general ilways th wot.
on and decide me questim-whether there is any need of comvobing a general congregation. Athongh mo instanere of teposition has ever ocenred, the ganeral himself is liablo to be debusel ly the sentence of such :a general conaregation, in certain contingeneieo which me -preifically printed out ly the constitutions.

The body over which this reneral presides consists of four classes: (1) l'mitemel, who, having passed thrmoth all preparatory stages, which commonly extend wer ten or welve years, or anen a longer period, have solemnly taken the wows theseribed above, including that of obedienco to the pope. It is from this chas alone that the general and all the higher oflicials of the areiety are chosen. (2) Coadjutors, "pritual and temporal: the former -who have completer] thoir stulies, amb have (seldom hefore their thity-scound sear, or even later) heen almitted to holy orders-being designed to assis the profensel in preaching, traching, and the direction of somls; the latter being lay-buthers, to whom the minor and menial othices of the suciety are assigned. (3) Scholisties, who, having passed through the nowitiate, are engaged for a long series of batm, "ither in pursuing their own stadies, or in tearhing in the vanion- schools of the order. (4) Lathly, movices, who, after a short trial as "postulants" for admisxion, ate engaged for two rears exclusively in spiritual excreines, prayer, meditation, asectic realimg, or ascetie practices, and gromerally in a comre of disciplinary trainher. The alministrative and executive govermment of the suejety, thrmehomt the various prosincen of mis-ions intu which it is divided, is catrusted, umber the genemal, to provineials, who are namel hy the gemeral, :and helit oflice commonly for at least thre wars, In earh separate province there are thre kimals of com-manities- professed homes of residenoes, colloges, and novitiates. The heal-whertor in enth is appointed by the general, wha recomes at atated intervalsa detailed rejurt of the elatracter, combuct, and prition of each member of the nowioty. In all these gradations the sulwanation is complete, and the olligation of obedienee is immentiate and monervel : mul one of the mont faniliar arensation baine the society in that this duty of hime ant implieit whandere make the sumper the wole :und final ahtita of comedence for all his subjects, the julge of goxd and evil, of vithe atmo of viee. Xivertheless, whatever mus lue sail of the praetiral temency of this relitim, the denits and their apulagists pleaul that hoth in tha rules of
 candidate there is enotained, in the duty of obedience to a mumin, an explint mervation for the subject, "males, where the smbrior should "ommend what is simful.'

The system of training mhibit - the mant profomen knowletge oif tha haman hart, and the most correct apreation of the relighous instiacts and implaes of mankinl. The long pererises of the nonitiate were despned ing ghatili- to fom the indinihal chatructer in hahits of permmal hatiness, :and practieces of promal piets. It was the businass of the sclow and college to fom the sorial rhanacter of the fathe wember of ment sumb limetors of the destinios of smety. The learning
 Eress of knowholose they mongt to adol manars and hahits raldulated 10 inspive combidence, and to

 Whether hy a prouliar halat, on hy proliar exterior indicetions of :unterity or anmicion. They en-
 frim the mow antare pratime of aloer moders. Their chardas wore hut designed is supplementary
to those of the parish elergy (whose molinary costmme they arlopted as their own consentual dress). Without the emonical services, withont much inmosiner or attrative ceremonial: heing chietly approbriated for redigions instruction, amb for the duties of the confessional. 'Therir easnistry avoiled all harsh and excessive rigour : and it canmot le donhted that some of their writers caried it to the opposite extreme. But above all, they addresied themselves to the great want of their time-chaciation; and throngh the mastery which they soon oltained in this important held, as well as their eminence in every rlepartment of learning, elivinity, philosoply, history, sholarship, antiputies, and letters, they attained to mhmmided inthence in evers lepartment of societs.

The organisation of the suciety is rettled, in every important particular. By the miginal rules and constitutions of St lenatins. 'The opponents of the smaits, however, allege that, in audition to these pmblic and avowed conntitutions, there exists in the societs, for the mindance of their hidinn actions. and for the private direction of the thoronghly initiated members. a secret cale, entitled Lomitu S'rrotu ('Secret lnstructions"), which was mont to be resprsed oolely for the private कmidance of the more alvanced membres, and which was not only not to be commundeated to the qeneral holy, hat was to he boblly repudiated ly all should its existence at any time be suspected or disenvered. Thi singular embe, a masterpiece of eraft and duplioty, was timt printed at Cracow in 1612. and has hen repeatelly reminted by the pnemies of the demits: hat it is imignantly dis. claimed hy the society. The accounts of the time and ciremmstances of its disemery are suspicions and contraslictory. The book has been repeatelly condemned, hoth at lione and hes other authorities, as well as hy the society, and its apecryphal character is now commmoly almitted.

The history of the society is varied in the dillerent conntries. but in each may he divirled into three stages-the rive, the mppresion, and the restoration of the orfer. In ltaly it- early fareer was lrilliant and melontel. I iefore the death of the first cencral,
 to lome in monher, and the onder was establinded in twelve prowinces. Thwir tirst chook in Italy ocemred in Venice. In the comtest of this re?ulilic with l'anl V. (q. ..) the Jemito takines the sile of lione, acecpted in 1600 the altwmative, propusen by the senate, of Teaviner the Venetian territory : nor wias it till 16.56 that ther wore pectathli=herl in Venice, from which time they rontinumd to enjos

 of Italy were in lomtural aml spith. In lion liombigues (a lortuguem nohloman) imd Franci

 in spain. Wiss equally well rofedpel in hiv hativ.
 that, sat the time of the sumpession, the ghanish Fanits numbreal aloove bonm.
 foundell in lari- hy st lanatin in lite. the maver-
 arys, and irreconcilable with its privilune 'Ihoy wate dintastefal to supporters of the (iallisan


 which hath formal expression in somme of law . Jonit selomsid. On the other hand, the dementatio praty
 whth romyts. And thas their jromess in framen
 It wa: with murh dilliculty that the fraljament of

Paris eonsented to rewinter the royal deere whidi
 instance the musersity protesten awamst their sehmols as invaling its privilaces. ln the wan of the Leanne they alid not fail tomatir new empmina; and at length tha assassination of llemy 111 . ley Clement (althongh no evidence of any emmertion with the Jesuits aprared in his eane , and the eincumstance that Chatel, who attemperl the lif. of Henry IV., hat at one timm heen a pmpil in larir schools, led to thaib expulsion from l'rame in lo! 4. They were reinstated, howevre, in Itin: bat on the assassimation of flemy IV. hy lavailhas tha omtcry arainst them was renewed. Nthomel it monns guite rertain that this clamon! was utherly withont foumlation. yet the opinions held by one uf thoir order. Mariana (q.v.), on the bisht of ruvili, althomph condemmed hy the penerab, withe at rolome to this and every similar imptation. I low decep lat more permanent and fommable movement asainst them was gratually stirred up at a later ferion, ha a combination of all the ransen of umplomarity alrewly demothet. to which now foint wan riwen ly the well-known Jansenist controversy, and hy the quertions as to the impored laxity of the minal teaching of the bewits. and thoir allegen combit and domoradising caknistry. What the ponderons and imfonant pretectims of tha sor bonne, and the barned folios of the Lominitan and Anmatimian mbools hal failend to acemplinh, the wit and hrillianey of the ectebrated Lelloes

 mercilessly expmad hy this hilliant adruary, who represented it as the anthorived tearhone of the order, amd the crafty maxims and bratices pople. larly ancribed to the socioty were jlased luefore the world in a light at ance expuisitely abluning ant fatal to the reputation of the lash: 'Tha attempts at rejoimler on the part of the desuit. limt server to lix the ridianle more firmby. Withe thomsamis who langhed at the lapley homour, or sympathised with the viromom rallery of lancal, few, intered,
 ticiom of his adresaries. In vain the Jennits
 Hemmed ba the roededy itadi: in vain thos Jowad
 them. The wit of lanal remaned monnwerod; and whaterer wern the lowionl meats of the emntrawers. mo donh equld le entertaimal ats to its
 the Jromencial Letters wore but a formate of the

 : wemmatation of animostios in the mont varimes quattare, the divines, the lawbers, that contions,

 after it lomer monlliat, they ronioyed atompurary trimmph in the last vourn of the lienney and lie

















 seml amil cuptre of the ('at foblic campl.
 sition at lirs: hat in fifie latime\% the serond


 ariler. In the l'rotentitnt kinglome the Jewnits ohtatmod entrane only as missiomatioss and in

 Engetand they were explumed lis the penal lawx mater pain in death: heverthelase, with a con-
 to admime thes matntained thromsth the worst timm an mohroken sucersion of miseinnaries in many fart - wi England. They often reacoted to the Host -imstab di-ghines, and genorally lore false

 eontribed its a retreat for them in canes of amblem empronans. lutulremal they effected an entrance ahmot at the timet fommation, amd, aiter many vieinutudes, towaris the chase of the reion of Thandeo 11. they liad more than one considerible eolleres for the erhation of rambla
fint a still more tertile lisll] for the enterprise of the mitar wats that of the mimbine to the heathen, in which they ont-ldiped all the ohdor orders in the chmolo. In the V'ontuguen colomien of India



 nars, :4 also in Northem and Pentral Anorica. Abme all, their astablimbents in the somathern eontinent, in Jrazil, in l'armonay amd [rmonay,
 Jhilipums latands were mis-ions of civilisation as murl at uf religion.
such wis this asoneration in the first stare of its histary At their lirst mentenary jubilee the me?n hervabrady mumbred 13,112, distribnted over 32 prosince . At theil mprosims, a rentury later,


 stations in infilel comatrias or in the l'rotestant stitem of liamore.
" F "he decline in the furtumas of the Jemits was
 blus "bich they smotaimel wan in l'optugal. An










 whike it wase -till lwoline, ath attompt on the life

 imporrhmont: amt, withont awatine any jurlicial
 175!!, a roxal forme, hy whind the wrow was









shecesofnlly against the order. The alesuits replied that Lavaleote acted not onle withont the antlenity of the order, lut against its positive constitutions, :und aprealed to the parlimment of laris aramst the sempence. 'l'he inquity thus rabed fresented an "prortunity of which the ancient enmmies of the oriter in the parlinment earmoly avaled themelves. A repart on the constitntions of the suciet. $:$, lifhly dammatory, was spedily drawn n$]$, and a delmand was malle for the smpuression of the order, as lueing irreconcilable, in its constitution and practice, with the interests of the state and of suciets. A strong eflort was male to arrest the jroceeding ; hat a jowerfal court-faction, aided by the semet inthene of thir roval mistress, Dadame de Vompadomr, who wan irritilud by the refnsal of hes Jenuit conffecon to grant her alisolution moless on condition of her separating from the king, and supported in the press by the philosophic party, carried all vobes, mulic and private, against the Jesuits. An attompt at compromise was fromsed to the general, Father Riocei, hy which the ohnoxions constitntions might be alodished or moditied; hut his mbending reply, 'Sint ut sunt, ant mon sint' ('Let them be is they are, or let them rease to exist'), cut short all negotiation: and a roval edict was pulblinged in 1764 , hy which the suciety was suppressed in the French territory. This example was followed hy suain, in 1767, with circumstances of great harshness and severity : and loy the minor lownthon cont- of Naphes, Yarma, and Dodena. The court of liome had zealonsly hut vainly interposed in their hehalf, and from d'lement Nill, especially, they received
 inclining in this and all other questions of chureh and state to the side of peace, laving in vain Pmbeawned to procure from the comrts by which they were condemned a relaxation of their serrity, and leeing pressed ly the ambassadors of Frince and Spain, at lengill isurd, duly 21, 177: the celebrated bold ' Dominus ae liedemptor Nowtr,' by which, withont adopting the charges made against the society, or entering in any way into the quention of their justice, acting solely in the motive of "the peace of the chureh, he sujpressed ther melety in all the states of Christemenn. The linll was fut into execution without delay. In Spain and Portugal alone the memburs of the suciety were driven into exila. In other Catholie combtries they vere permitled to remain as indifiduals engrged in the ministry or in literary orenpations ; and in two kingrlons, l'mssia mmer loulerick the (ireat, and linssia under (itthasine, thry were even permitted to retain a fuasi-corporato exintence as a nociety for education.

Whant was meant, however, tole the suphressinn of the sucioty proved hat a temprary suspension. The ex-members continned in large numbers, enpecially in the l'apal States and Northern Italy; and soon atter the tirst storm of the hevolution had blown wer measures legan to he takenfor the restoration of the society: The tirst owert reorgathisation of them, harely tolorated by the jrone, was in 179日, by tho lonke of l'armat; in lisol I'ms Vll. permitted the reestablishment of the society in Lithnania and White linssia, and with still more formality in Sicily in the year Ista. It was not, lowerer, montl after the frameh Restomation, and the retum of lius Vill. from captivity, that the complete roblabitution of the desuit onder was eflected, by the poblication of the land 'Solicitudo ommium Eicelesiarmm, Ausust 7,1814 ; and in 1 S2 4 their anciment college, the (osllogio liomano, was restomed
 the deanit ordar as a seligions omer has remained on in the latholic (hmorh. lint in dillirent kinordomas oi biorope it las lad varions fortanes. In Mondma, Bardinia, and Naples it was reestablished

 1504 th Inis, amd its members were hamished onee more in lstis. 1 n Portugat they have never wh tained in limm footing. Their position in France was me of matlerance rather than of $\mathrm{p}^{\text {mitive anthm- }}$ isation; nevertheless, they were very mamemas and influential, and their edneatimal institutions helel the hiormest rink. In lstio, however, the republic deereed the disomlution of the arder, withont ariving it the alternative of saking anthor. isation ; and in July of that sear the memlers were expelled from all their establishments sure the educational, an additional month lomig allowed them for varating the hatter, In bebinm they reinstated themselves after the liesolation, amd they now ghsacss many ereat establishments, jus. fessed homses ats well its collerres, whith are largely attended luth liv Beloriths and forminmers. In Wuiland also they possess sevial consiblerable homsen, as well as in Engerlant, Irelaml, the I nited States, aml, Within a recent perionl, Scotland. In Switzerland they opened in SNIS a college at Freibure, whish became a most thomishing establishment, and suh. sequently thev extended themselves to schwyz and Lucerne ; hut the wat of the Sonderlmma (one of the main eauses of which arose out of the Jesuit question) ended in their expulsion from the swiss tervitory. Of the (ieman states liavaria amb Austria tolerated their re establishment for elmeational purposes. In the Italian provinces of the former, as alos in the 'Tyrol, they enjoyed a certain freerlom until the revolution of Ists. In Russia they were placed under sharp restrictions in 1817 ; and in 1820 , in consedpence of their strecessful eflorts at proselytiom, they weme hanished by a tinal blase from the lausian teritury, whence they still remain exclmed. "lhe Italian revolution of luss spionsly atlected their pusition in that country. In that year lius IX. foum it expedient to pernit the breaking up, of the college ans other houses in lome. Ihey returned, howerer, with the popre hinself, and rexmmed possexsion of their ancient establinhments. On the praselamation of the kinglom of lably they withlrew from Situlinia, Naples, sidily, and theamoxed teritorias in meneral. In the recent lesislation of the kinwom of Italy the Jemits have lisen visited with aspecial measure of repression. While each of the othor prineipal religions orders is permitted to retain its "nother honse' at lame, in whieh the grneral of the areler may resule, the Jesuits have leen repuimol to puit their principal convent of the (iean. In liernany also they have been treated with axroptiontail severity, leiner hehl responsible an the main arents and alvisers of the meammenalopted in the Vitiean Conncil, whicl were eommlainem of ly the wermernment as infrimping the rights of the state les a law of $18: 3$ the orden was pachaleal fonn the empire, its establishments were aholi hom, atral all
 the firnator membris of the sombty, as well as of kindreal malers and congregrations, to be "interncel.
The twonty-four cenerals of the Furints of Anons have leeen the fothwing (Italians, rxvent where


 (15sl-1615): Vitelleschi (1615-45): (abathit ( 1666







 Swiss; Martin (1592), Spaniard.

The literature of the history of the Jesuits, whether hostile or friemdly, is ahost emilless in extent atm varicty: refermee may be make to diobserti, /l trosmen Morlermo (lsti), amd ('retinsan Sely, Hastoire de he Commegnit de desus (1stan); tos the historias hy Wulff



 Foley"s Iicoords of the Lintish 'romente of the Soriten of
 mader Elizubth (1sio), See adso CAstistry, Losoha, A.JVIER.

## Jentitts Ibark. See C'inciona.

Dendts. nom of Sirarls. See EColeshastuctos.
Jesus Christ. It is obwions that any attoryt to spealk in a few patses of a lifo which was lisine as woll as hmman-of at life which stamels it the bery centre of the wonll's histomy the the fultilmont of all the past hoper of homanity, and as the hishex ichal of all its future aims-can only be
 It will be imprasilule here to enter into any emitical
 resperting the inter-relation of the two natures in one peran ; an into a resiew of philosphtical thenies levpreting the work and person of deans; or into a defente of the a fuiori posibility or eredilility of miraches or into aminnte examina. tion of contlicting systeme of chanology ; on into it hamony of the variationo in the historical namatives which hate been maguibed into irreconcilable dismepancies. $O_{n}$ such phestions we tom harely toncla, refering for further information to the


The somres of nar knowlerge of the life of -Tesus are almose exelnsively hiblical. The reforences to Hint in Jowish and heathrn literatme ane distorted by hatred, prejudice, amt innomanee: mal the mbly adilitions to mar knowlediee which can he aleanel from the "hriatian literature of the early centuries are duhous in anthenticity, and insionificumt in amomat. Thongh lemend has commomed the nathe of lhilo with the ipostle Peter, the leaned Apsambian lived tore eaty to be reacloul by the erowing forre of Chrintianity, and makes nis alla-ion to it. sume crities have imasimed the exintence of christian interpobations in philo's fucombt of the 'Iherapentar. Josephoss speaks brictly of dohn the linptist, and of the matyromen of James, the Lond's honther: lut the authentidity of the famuls prasobue alome ("hist is now siven up in its present fomm, for it must in any eare late been tamproed with hyme (haristian arrilo. 'The
 plexity or polics. firom ather , Jowish referemos wo lenn nothing axeret the hlimling fury of the malimity exidef hy the name of (hrist. 'fhe bhas-
 which culminato in weh deplanalile mendeval abl mmates as the Tohboth , fosho, ame lamented los all rexpectable dews, and indord they refute themades ly their propmatormas andehominms and


 "onceral a matoudintion moley the form in which ther write the mame of dems. Shetonims whly allorlow (o) 'hrist (if at all) water tha hhmorimif motions






 phatan ememins or from a confusion of chatians
with the members of the vilest Jewish imm (imostic seets. Not me fote van he dismoteral from the cynical persiliag of lacian in hiv tract on the death of Perperimus, or frome the amomymons Philopremales. Celsms, imleed, profrsses to have studiaf the documents of ("histianity, hat his views had heen tainted, partly hy the hostile prejulices of whilosomperant prirtly by his reliance on the invention of scamial-momarione ipws. It is more disappointing that no fact about drem ean lee lerived from the earlient Christian litevatme. There is seareely at sincle erain of mold in the arommalated rohhinh-heap of lpands contained in the aboryphal co-prels: not a single fact in the alhanoms uf thr Fithers on whill we can rely, molose it he the statement that the stable of the Sativity was a caveln; not a single unrecorded sayimer of ("hrist (igpaфou boyma), maless it le "I'mo vommelves good monev-chansers ; or one or two bthers which-like the who is near me is near the tire -are alreany implicity rontanel in the records of the gompels.

Wo therefore tmon to the New Tostament. and here no fuds of the life are preserved for us exrept those which are recorsled in the sospels, aml repeise imfermolent attestation from the refereneres of st obhn, St leter, and st l'inl. sit Pand juserves for us the ome anrecorled jrecions maxim, "It is more blessed to give than to receive, hut mothing more. The question tharefore arisps. " May we rely on the fonr govpels as anthentic amd admpinate?" "That they are so misht seem to be suticiently fanal by the existance and the ever. rrowing strength of 'hastianity and christembom -thereligiom amb the suciety whieln are based unom them, They have indeed been placed in the cracible and thmst into the bottest fmman of matern eriticism, lut only with this result that in these dius sarcely a critic pretends to impurn the remeral historic truthfulmess of the syopitie narratises, thomyh many embeavomr to eliminate the silpernatnat elements. The charactmasties of tho wosmers themselves-their simplicity, their nater confexsims, their inimitable sampon homesty and veracity (the simpler eeri sigillum), thes inifiombibity that the Chararter which thery sut forth shonld have ben invented hy dishermen and taxgratherrs, the historiorerilitation of whinh they are "ilpiable are the pherlge of their antlentirity. Aum of the various theores which hewe lown adoped to Pxplatn away their signiticance wne aftor another
 aromint for the eropels in natmalistice crommes, so that miracles ware meroly mintake of enthasiantic alservation: bat after the embling exponme of this bopothesis by strans it has never hean revised. sirinss, with impoming wealth of loambug and ahility, tion to apply to them the princighes of ldand, and to explan them an mytho generated hy





 stanns was revinterl by the inteme :man mander
 no mimall wan attributed to John dhe Baphint
 atm lis abla sumposars hepred to mallify the
 the btory of the origine of "hristianity the stroner sulvant of rritioism; bat his followros hial to mathe



 and sthere, that at 'rabingern iluelf thow in it

Tiubingen sehool no more (Ewald, Gesch. Christus, Furade, p. xivii. Bl ell.). Lastly thare arose the eclectic sehools of Sehleiermacher amd Renam. The mendial system (Jermittchungs Thowlogic) of Pchlejemacher produced a jowarfill rffeet, hat the lay for half-views has gone hy. 'The success of lienan was due mainly to the charm of stole, but He was not sutheiently serious to captivate many moselytes. His lie de Fesus was vitiatem in part ly the writers own vacillations alout the fourth wovel and in part lof the indimant semm which was limalled he his hypothesis that Jle whom the world has recomised as rertor et rems if ipsore roites lent Himself to wilful leception in the raising of Lazams. The monshen belief of the vast majority of Christians, even of those who have most thoronghly examined the literature of secpticism, is whlicient to prove that modem apoloretits have lieen aldequate to sustain the far fiereer battle of the forees which were ronted in the earlier centmies by Orisen and Athanasius, and in the lStli by Butler, Lirdmer, and l'aley.

The attack on the anthenticity of the fourth mospel has been longer and more determined, hat the evilence has heen exhansted with careful accuraty and stated with perfect candonr, and we may point to the papers of Bishop, Lightfoot and ther edition of the Giospel of st duhn hy Bishop Westrott as contaming argmments which seem finally lecisive acrainst the destruetive eritits. On this sulyject the author of siupermetural Lieligion was practically driven out of the liedd, and the rertainty that Tatian in lis Diatessaron used the fomblh as well as- the other gorpels-which has now hern proved ly the disobery of an Ammenian translation of Ejhrawms commentary in the library of the Wechitarst Fathers at Venice in 1536 -is a stromer addition to the weight of extemal evidence. This emmmentary of Euhnem was tmaslated into Latin ly Ancher in lstl, and jmblished by De Mramorer in 1sig. Tatian was a hararer of distin Matry, ami his molonhted acerpitimes of the fourt $\mathrm{l}_{2}$ gospel gives eartainty to the alrealy strong pmbalitity that that gespel was aceopited by . Instin.

Before procerding to set forth in its meneral dea the marrative of the gospels some prehminary eomsidemations must be parsed in reviow. It is essential to motiee that the life of fhrist, as related in the gorpels, is partial and frumentary. It has been calenlated that in marating the piblic ministry of lobint the synoptic mospels maly heal with tha exonte of liftern months (450 latys): hut that so litthe couserutive is the narrative that not more than thintetive days are distinctly tomeled upon, whila there are lermur, in Which the events of whe, two, or wen thee months at at thme are passel over in silemee. Further, it has hoen olmerved that tha remorla of two or three of these diys-the dits in the combield (Matt. Xii. 1 xiii. 52 ), the dity of the formon on the Whant


 ame the story of live days (lake. xx. 1-xxis.) acoppices one fonath of st lankrs, exclnsive of the -tory of the infancy. If thin emmpatation he acerperal, the romblt is that the symptists move in the phere of anmelhitwenth part of a mimistry of


 1. 18.s). It is a lenitmate inference from this that mond of am lardi- publir artisity is moreoreded;

 extiblinh a faith, mot 10 detail a hiography: to

the majuty of a Personality, not to blepict the minute incidents which had hat as sioft or semme ary hearing un the great dengn. There are vant space in the heavens which are not som with stars, and the "eemomy;']noth divine and haman, wheh marke the seantine- of the evangelic mamative of the mini-tiy is lat a part of that simplicity and reticenct which contented itself with an laief and (from the nodinary point of view) so mearere a refermee to the thirty long years uf the sation's growth and preparation.

On the vers threnhold of any attempt to speak of Christ we are met ing the fate that, in the belief of one-third oi the hman race, He was not a simple man hut a livine man, the fiol-Man: the son of lan as the unique redrempative of humanity at its best amb greatest, lmot alon pre-eminentil-and in a sense trancendently different from that in which the phrase ean be applien to men-the som of $\begin{aligned} & \text { iome. To thowe who take the fact }\end{aligned}$ in a bare isnlated way it may spem an insulerahbe stumblinghlock: not so to thoe wha don not insconnect it from the whole conception of (ion and the entire listory of the word. Nothing is mome unphilosophical than the opiori rejection of mirades. hecanse miracles don not eome umber the range of ordinary experience. "IVivoric problem- eamot be thas -ettled lin phinaphie cateronien. If we start with that belief in Com whill may he regariled as the nomal dhtom of our human comseionsmen, and if we contemplate the historie fact of the fall and wretchednew of man, the helief that Gum-in comparinn for and in order to redeem and tlevate the camotles millions of mankind in all their generations-becatne man, and took our nature upan IJim in the jer-on of IJis som, so far from seeming a monstrou- hymothesis, alleare to be in exact aceorlance with Hi- nature, an the luest and himent that we kow ind can mavine. Thom who, like Spmoza, ilentify bon with Nature, which is but the sum tutal of Ilin vixille manifertation-, exchule from Vature the sule element which explains it-riz. the element of a Divine and Supreme (Will.

Nature alone can fuminh w- with no explanation of the manie-tation of Clrist, lut it harmomises alachutely with that ilea oi tion which we helieve that He has Himeelf plantell within us. So completely is this the case that-as was seen ly the great (ierman histmian, lulinc won Nabler-apat
 chaotic dream (wee his letter to him frimm, Nan Bomet, quateal los Luthardt, Apolow. Vintro: Ens.
 the Incarnation, points to llim, anl in llim find its fulthent: all the dovelomment of the ano sine llu apmed sning- from the livine impun which He wave. As Jean lanl lidelter on limely satid: "He lifted the gate of ther remturios from oflo its hinge with Hiv blemdiner land.' 'Hu zomet seppitiol of histurians cannor fal to sed that demon stan小 at the very centro of hmanity. Not maly
 full of mapeakalle yearnins for thi f bivin Doliverer, hat wen heathendom ahmonds in mande scion- prophecien of Hix elvent. Sumare the Persian we real in the \%anl Awota of the victurime Sowlayat, the lwoffent one who will bandit twe whole benlity warld, who will tand arainet the deatruction of the wodily reathom to with-tand tho brug of the two fontend lmonl. It,


 So, tow, in bralmanism we haw the follown Kri-hna, whe in enstantly repremend an on-hines and "wapurits the serpent. Among the (iver-

repprentative of sutlering hamanity, whe can ons he delivertel from his fetters on thi boek, and this tearing of the viltme's talons, when ldarale the son of Zens demends for him into Tartams. (Cun-
 whe of the mont atriking of the bnemarions paphecies of heathombom. Soerates put into the nonuth of Plato him eonfes win of the neerosty for onthe divine deliserer who in at once both Gonl and man (see Ackermann, Des 'hristlisher in I'uln, Hamburg, 1835): and some shel tigure has hern dreamed of in all the higher fomm of relicion to a neresary inference from what we know hoth of fion amb man. The revelation of Chrint mamgen as a necesary jostulate irom our faith in Cind. For some remarkalile passages in the aneients, ace ('ic. If Leqg. , ii. 10; Sen. Ep, 52 ; and schneiler, Christliche Kluage.
bint in seaking of the lmman life of onens it is unneresary to entangle ourselves in the intense and jrolonsed thenkorical battles which culminated in the 31 and 4 th centuries. The result of those controveries is adeqnately smmued up in the four technical terms $\dot{a} \lambda \eta \theta \hat{\omega} s, \tau \epsilon \lambda \dot{\epsilon} \omega s, \dot{a} \bar{\delta} \_a \rho \epsilon \tau \omega s, \dot{d} \sigma \cdot \gamma \chi \dot{u} \tau \omega s$, decifed on in the forr conncik of Niete, Constantimple, Fphesus, anil Chaterton. As against the Ahams. Christ wan truly (cod; as adainst the Apmilinarian*, lle wan prferfly man : as against the Neworians, IIe was imficisildy Coel-man: as against the Entychians, Ile was distinctly (ind amb man. Leyoud these elementary decisions all attempt to deal with that frrmmim of theologr,
 only end in failnre and alsurdity (see Hooker, Erd. I'ol., lomk V., lis. \& 10). Sut if it he asommed that it is innmoilin or interent to narrate the earthly life of noh a boing. the answer in that it has been loue in the four wiols, anl that to hrink from Aloing it wombld be mly due to the false reverence of Apollinarianism-now quite as common in the church as Arianism is in the worli-which denien the full homanity of Clirist. It is most necessars, tow, whear in mind that thrughout Christ's earth!y lite, from the Incanation to the Rewnrection, He voluntarily lad amile, in oberlinuce to the perfeet condition of hmanity, the divine attributes of omnimenter and munipresence. Being in the form of Card. He thonglit it not a prize to lee on an
 Gavoor), taking the form of a servant, leeing mato in the likentes of man ( Phil. ii. $\overline{5}$, 6 , levieel Tercion). The foctrine here revealed in known in theology as the choctrine of the homisis or "engityins, and in -reaking of lesus we have constantly tur lnar it in minm, as the nomenary rombiton if His being at man with man,' of His coming ut
 thut like nurs, and of the same material.

Wir proced then to sketeli in hares outline
 syrian blate bous a alyars ly both the
 myad homse of havid. 'Tha' dietrepancos and
 due to the ditjerners hetwern Ilis leral and His matmal ilewent, whish in me or two phace of the
 leviraty mariane. Hiv vimin birth is atteond and anomoll hy the wandint, and it lake.
 traseahbe the the memome of the Virgin Mars, frearme for us partionare abont the infacy of


 threnheld, pandit un with a pieture which momblat have bern imsantly deotmotive of our bath if it

their truthfulness and their supremary hy the severest reticunce, which rontains no word to mar that ideal which every eflort of invention instantly derranles. After the marsels of the Nitivity at Bethehem, we are tald of the cimameinan, the prespontation in the trmple, the visit of the Masti, the dight into Egypt, amb the massalcte of the innorents. 'The exilet date of than evante eambot be determined with alsumbte rertainty. lat maty lar broncht within naroow limits, ime most seloulars now acquipece in the viow whioh platers the Nativity ahont fomm sears amber dhan mar received era. The historio pupstions which the narmative raines have been sifted to the luttom. and the credibility of the gospel aletails hats been tid. mopliantly entahlinherd.

Ifter the infancy there is a deop silence which easors all lat tho comelatiner frament of the lifn of christ. From the retmon tu Nazareth, while He wats get a very yommer child, to the baptism by dohn wi have nothing preserved to us excejt a singla anecdute ly st lanke, ann a sincle wom in St Dark. It is exactly respectiner this jortion of the life of elmist that the apocry. phal sumpels most deeply betray incompetent falsity, and the gospels show that grace of sumerintendency withont whioh they comld mot have recorded what the apostles hail seen and heaml when their hands hambled the Wond of life. 'The ancemote of St Luke js Clorist's visit to the temples with his parents at the lassorer just hefore Ilis thirteenth year, which marlied the aure of a dewish boy's "contirmation'-his almision to the rank of a "som of the law" (ben hert-formb). It hias hetm callor 'the sulitary lloweret ont of the womelerfil enclosed gaturn of the thinty yous, phatem prerively there when the swalleil lind at at listinctive
 It is specially precions from tha decisive way in which it shows that Chast possessed a hmman soul, and mot only the Loyos instoad of it ; and it exactly accords with the teatimony of st Latse that fomr Loril's growth wits that of a chill in whom there wat a , frothet incrase of kmowleden
 deed it seems to have horn the specjal frarpone of the third evangelist tugive us at leaten one shimpse of Jenns at prory phase of llis homan life, as an infant, a chiki, it hoy, a youth, and a full-gfown man.

The one word happily presorved for us lay St Mark js "the carpentrr" in tha ghestion of the mahelieving Nazarenes, 'Is not this ther romwoter ?' which an imeserent reveronce has attered jnto 'the som of the rarpenter. It slows us that, ats at part of that intinite solf-represinn and oherlience by whieh Christ almole with llic parents aml was
 hamble trale ly which he rimned his daily hrad.
 selves, agroes in llar lathof that dongh dien early, and that ome lame grew ip in at fimily cimen af those whom the "vangelists rall His "hothers ami 'sistems. In that family lle was 1 her firnt herm,
 imarination whe was not divinely graided surf it
 womblate sarmal imposible and dermatory ; but the almissiom is we of the mont strikinut pronfe of the absebate veracity of the wosple. Their silener as turall ather recomls of thase thity verats peables ta us with the mose majestin aloguenere. Sombo of the greatest lessuns of 'hrist's example ane inwalma in ther fact that lle dill mot strive, nor "dy, neither was Hi vole herarl in the streets. Tha eentral hosem that ' ('hrist paimed
 putale of those numandarl yeass (ominge to live
for man, He chose the lot not of the few hat of the commtless mmlitmles, the immonse majority. The town amd the home which lle ehose were alike poor, provincial, insionificant. 'Ihas He relbuked pribe, which is one of the two mrat taproots of human aherration: IIe showed the sacredness of ohsemrity: the ghaitiod the lot of latomr which antiguty despised. Robuking the restless passion for exeitement and the desire to minister to selfimpratince, He showed to all mankind that the tme life is the intorior life, the life of calm, recollectedness, and eompanionshije with the divins, ןrased in the sweet seelusion of a home and the ordered romine of lowly duties. It is impossible for most men to live as Christ lived during llis brief ministry: hat that unknown life of the artisan in dinll, movineial Nazareth was meant to deach us that the commonplace ordinary life, which is the normal life of man, may yet be precions witla the best sanctities of hearen's lreatitude.

Thus ended the first and main part of the life of besms. At the aqe of thirty began the seeond phase of His life, the publie ministry-enoling with the 'rucitixionamd the lesurreetion-whichoccupies all but a fraction of the rosiels. St Peter's epitome of that ministry is that 'Tle went about doing moob, and it was hy giving up everything which the earthly and sensual mimd can desire that the left us an example that we should follow His steps. To detail the events of that ministry is ohviously impossible here, nor is it necossary. We shall hut indicate its grat plases and divisions, and then tonch on some of the considerations which it suggests. It lialls intu the following erreat divisions:

1. The eall to the ministry in the baptism and preaching of John the laptint, who first pmbliely recosnised .lesns as the Messiah.
2. The temptation in the widerness.
3. The call of the tirst apostles: the finst minacle at ('ana: the heqimning of the preachiner in (ialibe.
IV. 'Ihe lirst Passover visit to Jemsalem, the lirst chamsing of the temple. The question of the mbers, and the propheey' Destroy this 'Temple, d゙・. The interview with Nicmlemms: the retire ment to Galilee: the discomse to the Namaritan woman at the well ; the rejection by the Nazarenes.
$I$. The 'tialilean springtide' of the ministry amid the gladness of the multitudes: many miracles of healing: the choice of the twelve: the Semmon on the Monnt ; the messige fronn the inabismed haptist: the intereourse with Phavisurn, pmhlicans, and sinners; the great day of parables; the visit tu liereresa; the day of Mattlicw s feast.

V1. The second visit to Jorusalem ; the miracle at lathessla; the murler of the Baptist ; the retarn to rialilee.
VII. The feeding of the live thousand; the discomsar at Capernamm: the Sahhath and other disputes, amid ever-decpernings contliot aml opposition.

Vlll. The flight among the heathen; the SyroPhomician woman: the return to Jerapolis; the -poch of marer miracles: the ferding af the fome thomsand: the weornition of the Messiahship by the diseiples: the Translimuation; the healing of the demoniac los.
I.K. The visit to dermatem at the Feast of Tabermacles; the woman taken in adoltery ; the healing of the man hom lilind: the return to fialilie.
N. The linal farewell to (ialilee. Iucidonts and teaching of a show journey towards derisalem. Vivit (o. Jomasalem at the Feast of Detieation. The last stay in Periea ; the raising of lazarise. Jems, mbler a ban, withlraws to the town of Ephmam.

NI. The last visit to Jernsalem. The revents of I'assion Wrek-l'alm Sumbay; the day of parables; the day of temptations: the great demunciations: the farewell to the temple; the hetrayal.

X1I. The Last Supper: the last discomse: the arony in Gethapmane: the arrest: the tharefohl trials: the Crucilixion; the Resurrection; the wreat forty days: the dreension.
such leing the great divisions and landmarks of the life, it only remains to tomeh on one or two of the important puestions which it sigerests.
i. What was the lemeth of our Lorl's jublie ministry? We are unable to answer the furstion with certainty. This is due to the remarkable faret that the symoptic gospels ormpy themselves almost exelusirely with the (ralilean miniotry, while st Anhm manly dwells on the ministry in Judea anm Jernsalem. Sceptics have vainly mbeavoured to extort any diserpuaney from this fact, sinee the syopptists most astinetly imply that mueh of our Limpl's time must lave heen spent in ferusalem (see Luke, x. 3s, xix. 42: Mark, xi. tl)-a fact, jnieed, direetly stated in the recorded mooásis ("how often') in llis lament over Jemsatem (Matt, xxiii. 37 : Luke, xiii. 34). We may then decidenlly reject the notion of a me-your's ministry, which las been most unwarrantatb foumled on the expression of Isaiah (lxi. 2) and the referance to it lis our Lord at Nazareth (Luke, iv. 19). This was the view of Origen (De Primc. iv. 5), and Clement of Alexandria (strom. i. xxi. sect. t45), and of the two Guostie teachers, Ptolemans (Ep, ad Flormm) and Herakleon; but not that of Xlelito and Iren. fells. It has fonnd powerful suppriters in Browne ( 0 redo Strelorum, IPl. 342-91), and Keim (Jesu ron Neterfe); but the former ean only maintain it by eliminating tò $\pi \dot{\alpha} \alpha \alpha^{\circ}$ from John, vi. 4 , in spite of all the mommseripts, and the latter by rejecting the anthenticity and eredilility of the fomrth gospel. The majority of seholars agree in the well-foumled inference stated as early as IIfyolytus, the scholar of Irenrus, Enselins (H.E. 1. 10), 'T'heodoret (in Ian. ix. 27), and Jerome, tlat Jesus died at the age of thirty-three, and that the ministry lasted more than two and a half years. Ireniens's extaortinary assertion ( (\% Herer. ii. 2515) that Jesus - lied between the ares of forty and fifty is a blm-- ler (which in him is not isolated), falsely inferreal from John, viii. 57. The only element of uncertainty for those who accept the fourth grospel is the julentification of the unnamed teast mentioned ly St John in $r .1$. If that frast was the Jewish feast of Jurim we see that St John grous his narrative round fire festivals-(1) the Pissover (ii. 13); (2) Purim (v. I) ; (3) the Passover (vi. 4); (4) the Tahernates (vii. 2): (5) the Dedication (x. 22); (6) the Passover (xi. 65). It is in aevorlance with this that Purim took place on Veadar It (alont Mareli 19), and that our Lond (some time before the feast ) said to the woman of samaria "thre are yet four months unto harvest (Juhn, iv. 3.7). Since. then, there were thres. I'disowars maring the ministry, and that ministry lnegan some time before the tinst Passorer, we see a prason for the view that it lasted ahont three reirs-a view whieh best aeeords with all the data. Aml thourh we cannet here disenss the rhronology, the apinion that Christ's haptism by John took plate in the summer of 26 A.D., and that He wan elucified in the sping of $29 \mathrm{~A} . \mathrm{D}$. , is probably not fity wrome.
ii. Withent entering into the sulijeet of apologetion, we may allule to the mirampe whicla onter so larrely into the life of Jews, aml which, as they were a sulport to the faith of former contmito, ire
 St John puts 11 s into the rifht point vif view When le calls them morks ('tpra-Jolm, v. 20, amd pressizn). Given the l'ersonality of ('hrínt, mirachas wore watual to llinn; 'our supernatural was !lis natural.' Their nechrrence becomes at fluention of evidence, and the suphmend recondite and dinmerous formula of flume 'reduees itself to thu bery
hambers propmition that anything is inmeal. ihbe whieh is contrary to a eomplete induetions.
 a mirache, bectusp it was more liknly that evilener should he fatse that that in miracte should lee thue. bis statement vame tor mone than this-that at miracle alistans the mpelamiag expertation of at remurence ( Wozley, Dimmptom Liftures, 1). Iif).
 tion as the impossibility of miracles, hat lee anyoud against their ardibility, heranse his philonophy pratically rednced lifo to a sertes of impresions anal sensations. In ancwer, it is enomoli to say with Loorl bacon, "the sothl of man wam not produced by lataen or earth, hat wa- hreithed immediately fonm fod ; so the wass athl healinga of Cow with spirits are not inclumed in Nature-i.e. in the laws of heaven and earth, lont are resermed to the law of His secret work ams graes." 'I'he evilence for Christ m mirules, and alowe all for his I Lemurection, has heren sulticient to convine and potent to ameliorate the whole eivilised wombl.
iii. Chriatians rightly reararel the hasurvertion as the one fumdanental hintorie minacle on whieln rests their historid faitlu. If any fart ean he regadod as imbicutalife it is the fact that on the moming of the tirst Ea-ter Smulay the antominderd disejples fomme that there was ais corpe in tlue rock hewn sembehre so much is mow freely eoncented lyy the mont allanceld scepticen. The tentimony in farour of the fact is overwhelming, amd it is imposilale to arooment for the existence of Christianity or of Christomlon wn :uy hernthesis other than the firm oonvietion in a miraenoms liesurrection, of which all the early dineiples regarded themselves as the chusen withesses. 'The mondern criticisur of unbeliof has omb attempere to account for the empty tomb ly theoris which sink to the irround under the weight of their own impasibility. The notion of a merely apmorent heath from which Jesus was resivel by the - ${ }^{-1}$ ces and the cool sumblame: the notion that the apostles stole the boly be nirht: the notion that Jesus was not erveilied at all, lut moly smanome in llis phave: the notion that the faith of Christentom is fommeden on the selfeteception of an hallmomor-have been in turn ablopted amb abamboned. Such nataralistic explanations are impossible, unden they he bolstered up by the preposturous suphaition that, at some atage, melifurate deception was at work, and that the teachers of the religion which is pe-eminmat in inoml. eatiner the sanetity of truth fommlen tleir preach. ing upon a lie. It is not possible lore to develop the arguments, or to army the evinume, on which our faith in a literal Rexumrection of Jesum in a ghoritom aud suritual looly in fonmolol. We mast he content tor refel to simb works as thome of
 Stemmever (larlin, tsäl), aml binhop Westeot on The (rispel of the Fisurretion (1amul. Iss. ).
iv. And it must be lame in min! that, if reopti-
 the supernatural elensont, it would still he comfronted with the suparhaman gramberr of chaint limself. Sn far form tendiner to diseredit the narratives of the mimaldes whele hos wroberht. it maty rather he mid that serienee tornds the throw light mum their aceomhanee with the yet motleexphered law of hatume: but exoth were orery mirame rlminaterl, (harist still rontimus on he what awn thow who hates doubted of Ilis divinity




 in whieh it ":n ber rearamed. Sot only is lle the
sole hman leimes whom sinkerses has daiment. or of whm sinlesonos ean for a monent be predirated, hat the whal prespmond by His character stande apart, nost anly from that in the lifo of the beat patans, lat aver of thand whom lifo was it pofesend initation of 1 ik . And nome even than this. imasination has asain and again attempted at leat to concerve and hepiet a charater abonlotely stainleso, and yet, in the whole ranere of the wortis poetry and tiction, has never attempted
 for a moment into dotails. Comld the peasanto of
 the world has been able sither to imsurine or doscribe? 'lon this is athibutable the ramarkable fact that evon the mont prommachl serptics-ever
 have ant lial altogether of the almiration of Christ-
 out in it were falling on their bness. 'Ibtween Hinn amb wherel elve in this wonl, said Sapoleon to (atoleral Bertrand, "there is mu posible form of compratison." 'desus is in all unique, says lienan. 'and wothimer cond he compered to limi (Vic te Josm, 1.457). Stranss valls llims the Deine with. ont whose preseme in the mind perfoct biety is impraible." Girethe called llim "the bivine Man, the satat. the type and mblel of all men (Comersutioms. "ith Eflitmmemm, ii. 3). I. S. Mill sail that "it wombl mot he eary eren now, even for an unheliever, to find a better transhation of the fulb of virtue froms the abstrant into the comerete than to mahervomr su to lise that (haist whald alymove
 werawe evoll the llipmano of Voltare, as we see in the stary of hi remarkahle drean.
$\therefore$ Nothine short uf a divine persomality can aeconat fir the stupendous aml inexhantible eftect prombed upon the worlil ly the life mon teaching of "haint-a life so short that lle died before the full emmplotion of the funcra wimanhem! a ministry su comfond in space, an amtracten in time. That life, livel wn a stage so mamom, fumished to mankind the able perfect pattem anm eximple: that teaching insolval every element of phre amb perfect simitual relimion. It was Christ alone who
 is lowe, ind that man is the son of tion ; and tiret lamesht life ame immontalits to light. And ats Clanist thas beane the savinur of mankinal ly example and terbhines, so abo did the realpen the race los the sulfardifioe which colminaterl in the arose and piscion, ath! which is contimued by His
 hanul of (iond. Jis thi llis life the has redermed us from sin and death, and reonsiled us muto ciml. That mishty work of imbinlual regemeration

 has mate haliness a rommon attatument of lliw
 thoments, tha lives, the familion, the suriety, the kinerlans of mankime. And the ('hristian believes
 thi- worlat latonte miversally, amb in reality an woll it in mane, the kinghom of our land and of lli- Churat.

Thu haterature of this subject is im. lanastilik, anul arely yar alde to its enommons aceumukathons. It hegins with the: (Thristian ario am! contmues in mintokn suretssiom
 dhan to monlem lays. Flae first attemuge to write a

 ventura. "1he Pomeldes deturimed of Miltom was pactically




Pressensé, Dupanloup, Salvador, Wallon, and Kenan; in German, those of Caspari, Ewald, Hase, Hofmann, Lange, Neander. Sepm, Strans, Weiss, Keim, and many more; in Euglish, those of Ellicott, Geikic, Elershein, and, among others far too numerous to mention, that by the present writer in 1sit, which has ealled out such a multiture of successors. See also the articles on doserm and on M.Mis:.

Jet, a dense variety of lignite passing ly degrees of guality into lituminoms fossil wonl, sometimes perfectly black, eaphlle of heine easily ent and cirven, and of receiving a very heantiful polish. It takes its mame from (iauas or Gares, a place in Asia Minor, where, acconling to Pliny, the substance was ohtained, whence in his time it was called garates, afterwards corrupted into masat, the molem (ierman mame, and jet. Jet is only a beenliar fom of hgnite, impregnated with hitmoinons matter, ind containiner about $37 \frac{1}{2}$ per cent. nf volatile matter. It is electrieal when mblued; bence it has been called 'black amber" hy the Pmssian amber-tligeres.

Of suhstances used for trinkets and persomal momant, ajart from metals, jet appears to be one of the most ancient. At numerons places thromhout (ireat Britain necklaces, heals, buttoms, and other mall olijects of jet have heen dis. corered, showing that it had been used in the early bronze periond. lrobably at that remote time it was ohtained from the Vorkshire doast about Whithy, whence the principat snpphy and the tinest quality anywhere obtained enntinnes to come. The jet becurs at Whatly in irregular interhedfed patehes in the $\mathrm{U}^{+}$pler Lias shales. two kinds, hard ind soft, being fomml: hut only the hard is of value for ornaments. The industry" here orives employment to a large proportion of the proplation. It is also worked in Funce in the department of Aule, where it is formed into rusary beanls, coosses, ant otler trinkets. Spain also suphlies lime jet, which, like that of the French whmings, in foum in irregular veins in the bumer marls of the Cretaceons series, correxponding with the Sussex gatult. The Spanish jet is fommat Villaviciosa, in the province of the Asturias, ant is pincipally mannfactured at Uviedn. As a material for monringer arnaments jet is mharably andaterl, and for that propose is largely used. Imitation nf jet maments are made in the hardened intia mbler called Vulcanite or Ehonite, and in crlas...

Jetoll. a round, that piece of metal, ivory, dic. formerly used for counting, or as combters at play, and alsin as a check riven to members of a seriety fissing in to its meetings.

## Jetsalll, IETMisun. See Fl,otsian.

Delllesse Dorée ('gililed youth"), a party name siven to flase fomme mén of laris whin thang the Fench lievohtion, strurgled an bing alont the reaction or anonter revolation after Conteplierres fibll (207h Inly loot). Other niekmanes bestowed nyon the same paty weme dias-
 ("plegants"). The telm jumesse dore is still in usp to dempnato yomme men abont town, whon always molegant! y dresed, have the air of spemb. ing mones, and live a bottertly life of anjuyment and pleasmre.

Devons. Whaidan sitavist, horn in liverjoml
 (collucre, lomom, and from 1854 to $185!$ held it prosition in the mint at Sydmey. In the lambun
 in philomophy: in 1 siti ho was apmointol proferon


 Eniverity Collene, Lomion. Ile was aloeted

 Loe wat downel whint hathing at beahill, bear

 Irinere somblie hoie within the eatacity of hes


 ham his mos important work: a collection of



 on The Couel Guestion ( 1 隹) . whill hed to the appointment of a Royal Commionim, hiv ralmatho
 in which the empeptom of "tinal ntility wats firat distinctly fommatarl. Ree his Loth es ond Jomouls, adited by his wife (lsod).

 Protentation, whe han at bembarlar, near lima-
 celonl, and atterwarls at Mertom and Corpan
 in lint, and mast early hase imbibed liefmed fluetrines, is be was flively intinate with l'eter Marts durine his viat to oxtord. Some after the atets-ion of Mary he went alaroal for sutetys sithe, viting Frankfort and Strashare, and returned on the amoresime of Elizabeth, hy whan he was : thanst immodiately apminted bidhep of Salinhury. Hin great controveralal alility anm mate lime one of
 fanom- Apmbogice Eretsin Anglimuce (1502) retains its value an atmondant exponse of the preten-
 numat ance tor his terisernal dutie and the the flemands of a stremoth, and hrought hime the thest of the grate in hi liftieth year, 2ent september hatl.
A collectel elition of tus works was zubliohed in folin, in 1409. Nore recent editions are those by the liew. Jhan Sye in the l'arker sucity (4 vols. This-50), and
 In early life is reprinted in Wumworthis Eiclesimatuel


Dewallery. The worl jewel is from the old Frencle joncl, a dimimetise of iner: lal. gition, "joy:' Lat. gundia. Jewellery mambex primarily artioles intembed fur persmall Amoratiom. made if preenm-metal, which may be emiched with stmes or enturol. but ahjurto, itho, not intemiod for pmomal hor, such at cabkets, when decorated with
 temu jenel has a further restricted -imulication when it in applied to whe of the insimina of the


 (EEM). The Towe af peromall ornanemation in a primal pimion of lomanity, which -nats with empat fore the rudeat of tilus and the mat











 athorl mane metante of the condition of the laturt
 and the perion townich thes helone. Further in the ditus when banking and monestmoning wew not at factor in commero, the aromanlation ai

 in linlia at the present diay.
before the we of metal. Wis homa, jowellery, if it can be su temed, comsinted of arrend bation
 the combuand of prehiathic man. (dinh is the tios motal of wheh there is ans mention in litemther atul there is no donht that, bering alway fond

 fuellots of the metal as comme, sum when mankind |nnomand nu mechanical reantera heymal rule

 Pald were very limited. The ahility (or milt metals and on to whtain hatare of large sian ubun which
 Which, how erer, artificer monst have attaneol at a wers tally perimi. Smong the moneron limh of
 - wecimenx which shom that the early artition [monersen consilerahle command onn their material in the way of hamenime ont plateo to mitorm thickies, drawing or heatiner the motal into wine,

 earliest geld omanent- them in mo attempt at dematise treatment other than what romal has franduced he the hammer : and it in whly hy degreen that simple ellorto at charinge, enabiabing, amb embering make their apmarame The mont arelate whl omanent discowerd lay thehlipmanm in hiv excavatinus at lliwalik, whiols le regards as acient Tros, are treated "itla thro
 are of a much more developer fhateror, shoming a knowloflere of chating and rmbaringe it is misy When we comes to histmical tines that we finil at iticers laal uhtained command mor their material :und thals sulticient tor emalle them to momacio
 and omaneme of their perion and nation.
 anment and medieval times womblamy be ta Foblow the conne of att and the arto ammers the Wraling exiviaed communities. Fontumately the tombs of the dead, and hoard which hato inglat ently heen hial ta exalue the mango of momion, havi heren the mean of prenerving to ame has is manlure of examples of jawellery of atl times and ath perplearaticiont to illustrate the natmo of tacir ombanent and the otyle uf jenollery the wore. In this way exampe of the jewels of the anciont E.egptians momain to the pherent dis, from whing We leam that the civiliece prempe of the Dibe valley even in wer ribly than had partly inpowen un



 fick complete mantero of ifu bunt impurtant fur remer bif the monden jewder. Jlue jewnllers ni

 of the mort hishly sittulatiotic late ai all timm.








jewellems wer able to momber on the surfors of their gobld a riol grambaterl aymanace, ats if it were danten own in ar perfoty eqnal mamer with
 of jewellers for imitate. Mhat lsiat the lathe

 of peatant gotlworker who appearel to haty inheriten the tratitimal sereret : and with the aid
 satisfactury repolations of the mirrollomely tine work of the anment lituseme: limt, after pationt experiment. (astellan himadf acknowleded the Etrusean methat to he still a lest int. Not lese notewnthe is the jowellery of the reltio :mol Scanlimaian rares, whim -hours renarkable vigur and inlividualty of chanarer. It is last seen in the anciont homenos of the Srothish ILighlands and Irelam, in whels the att of andrabing, indayins.
 lings all in their tums were mate ane of in the Imeduction of works of art of a highy distimetive
 known that a taste for rich ami gorgeous jewellery is one of the bost motatamber characteristies of the Itimlu: and throghome all dasses in the bast Indies hright, slitterims. and richly- cobored forsomal homations are lomed on as indiepensalile. The jewellery of Imia in its styles and methonls of mamfarture hane down to our own lays traditions of the certient skillet eraftsmanship of the world. No. other race of jewellers tan with sin mall a whight of woll proxine work of such remarkable
 Their sifl in Filisree work (I.
 ally their masterly and buht we of colomes and
 admirable. Traditional kill and andent fomm are alon gerpeluated in the "prasant jewellary" of the ratous Enropean communtitios, which yet show in thair purity the stylas, comamations, ame methonk of working in we before the harsh nechanical fomm of mulem drap jewellory wan" in (ou corrupt taste amb suplant simple arts.
The dixtimetion lutween jowellary of the present day and that of earlier times is fomm in the fomba mental fact that the wh work is the ereation of the rafteman, while the madern from is the promet of a mambanturer who alopts all lalomenving marhime:the aphliances for the peomonical dininh-
 that whirh fome the staphe of the 'gilt toy trithe' in limmimplam-is manle from suce teroprer struck

 bates in initation of diamombs and all othor pre"ions stomes. The chap :and rapial porburtion in limitloses numbers of imitation artirles js thas erenred, hat the objects themselves ate otterly
 tent it is the same with jowallary aren of the mos mpensive Alecription, for althogh it is mot $\Rightarrow$ tanjurl ont of the shet, yet the lifferent portime of the work arr athoted to ecparate worbinen whe frrfom that tash with mechaniad aremary,

 ins wis the rane with the work of the :ancient jewellar.

Thu Dutymatmo of the jewellery trade an at
 which math all the sham jewe llery is mandar.
 the rentre of the highererlan fewedmery trate in
 is chamempintimally semtion, lat a proat deal of the chaper seotisity fubla jewellery is of hemman
 ments is a surcially of boblin, and hed ( $4 . v$. $)$ jewellery is rhidly male at Whithe All towns



 a mpatation for filigre. Work : and mod rat jewel. hiry come latenly from Xaples. She aboplatous sroses.
Sce Enmanucl, Ditmenels thed Prerious stoters (1865);
 (hulfers, History of Emplish Giohdxmiths (1581): liee,

 (1581); Fontenelle and Maloperre, Noct" Manuel du Fijoutite Jomillicr (1884); Deele, Mistoriq"! dr la Bijonterie Fornçase (1889).
Jews (corruptid from lomem), the name wiven,
 of the patriazely Ahraham, who, about the suar Soto bict, emigrated from Mesorotamia, on the cast side of the Emphrates, to C'anam or l'alestine: They were originally eallal Itolyews (nem Il EbREW Lasidates). In remanpurnce of atmine in Ganam, lacols, en the intation of his som Joseph, who lad beomme chief minister of the king of baryt, went hewn thither with all his i:mily, whinh numlored seventy 'ambs; and obtained from lohareoh
 the Humens reside il, acoming to Exad. xii. 40, 130 years. Acemonge to the genealonimal table of the Laites, in Exmi. vi. If 2.5 , howerer, their sojomon would mil lave lasted lonner than 210
 take with loweplas, the 4 : 31 years to indiate ther prome from Ahraham the Exoms (ef. Cahat. iii. 17). Soring the lifetime of loseph.
 Ilelirews werp well trated, and prospered: lat. a new lymaty-probaloly the loht arase, and they werr redued to relentlos shaver A deliverer at latheth arared in the preme of

 roseing of the liol sua are a soure of contimal omitrosers letween the latimalistir amb the

 thas wildest erepticism.
'llaw wand rine in the wildemeno of the Sinatic penimsulat is sam to have lasted forts sats, though at beond of the evonts of 1 wo baim mily has latin presemal. These, lumater, are ubsimily the most infortant, as they eontain an chatmato aceount of the giving of the latw (Bxol. sis. $/$ ary.). which is
 hy lehosah Limeself, "ho dramolnd upun Noment Simai in lire, amil thr roar of thmalers and the guaking of hills. The amionits, however, of the
 is katily disputed ly a madlagrowing majority
 as lir. Delitzsels hating lownar a eomert to thoir
 suck to show tha prabalitity of and pasatses

 and in preot of this print, amomp other rivilemers,
 history of the Hobmews shat orth yatos affor the
 watedy as simgle trace of the existance of Mosaic institutions among them. Fior Nae orimin of the law as wr may have it, far development of the

 ing trodeney anmerg wities to lowalise the giving
of the law and the warime event－connected with
 Sinaitic penin－mba．

The •ame of promise furathe theire at late

 anciont teritory and for the mont bat dither ambitilated or forced to thee．Yet the whale hath of the mative intahitants was mot extipgted or

 triber．llas mamilicent pastor：al raion to the cast of the Jordan was now oceupiod ly the trilnos of Renhen，（ian，and the half－tritm of Hanawh；while the land west of thes ．Iordan wan patwelloul wht th the remaining－．Indah．Simenn，lan，benjamin， Efluam，the seenmel hali－trile uf Manas－eh， Wembar，Kehmon，Nablati，and Wher．The tribe of havi repenm，inctarl of a provine forty－right cities araterel thromant Caman and the tembly bat＇of the imite of the fichl．and were allowed generally to eetle indivilually thandont the land Where they chure．
 wat of at clicef th the gams state lanamo vally palpable．Little remard wate paill to tha Mowaí institutions：the single tribes puraned their own indivilual interest－：intermarringen with the idul． atrma matives weakemed the lumal of minm still further：and the next consergener was that the trilus were singly suluheal fy the suramoting natims．It thi juncture there arom at intervalo
 likerated the funple fron their apresors，the

 to haw baen comtempary with each others．and to have esercisen ambority in lifferent parts of the＂omntre．Thic perial omstituter the＂hemo．e＂
 gropleten belurah，（iilenn，Sephthat，the ber－ culean camom，amb the fophet sammel are e－perially motalle：the lant mentimal was，in
 that hat ats yot apprared－ince the day of Mowe． The tirst of the proplets．he was alow the last of ihe repmbican eliefo of the comberate tribers． ＂eariad of their intentine femk，haraneal by the inencions of their predatory neighamas rhisetly：




The limet whe exercivel regal athomity wa－



 ＂xyme of insumity limaty alimatey from him many of the lravest and hest of his sulipects．


 War wat on the theme of latal．Hi－rejen，and that of hiv equally famous－un．Salman，are








 terture were rultivated：mobol－of prophery（tiat
 at matenition ont tomplof for the wom hipuf Joherah wat built in the calpital：and commernial inturomat wa－

 and the Spice Wands．But here was a cankry at
 watefind expendiate of Solmom fored him to hay haly taxes on the prople．Hi－woalth hill mit cmiril then：it rather mane them purer ；and althmgh wifted with tranembent wi－hom and the mont limilliant mental power，towams the ＂hat of bis life he preants the ad rimetacle of
 nerasomally even ernel，and his rang（ 1015 ， 5 fare）ramot bat be reqaded，both politiablly and dimanially，as a glendid falure．Niter his ileath the lielimew monarys．in which the gemon of disem－in－chietly jealonsy anamst the influmere of Julalı－had leen silently grnying up，for mans


 numer Jombam，the Ephamite．The former of
 and lanjamin，torether．probahly，with amme baite and simemite cities：the latter．the romaning ten．After mineteen lings of different dumaties， ：mong whom Jerohoan，Jhat，Joram，Jerohwam 11．，Pekah mar be mentioned，hal reigned in latel．few of whon anceeded to the throm other－ wiee tham lis the murder of their predecencome，the
 of Anyria，it－sumereign，Howha，thrown into primot the mass of the pople earmied away caption
 of Media，and their place suphlied lay Joyman polonists．These，mingling and intemarrying with the remmant of the Istaclites，fommer the mixed people called smaritims（I，v．）．Amongs the twentr limas of the Honse of Davial whor mhit wer Judah，Jeheshaphat．Czziah．Hwáhiah． and darial，distingmished themestren luth he their alilities as mers and loy their zeal for the wordip of dehnali．Vet even ther were，for the most pratt，malile to stay the ildatron－praction of the prople，against which the prophets wices even comblat prevall．Other kings were for the man part．more of lese matathital themombes to the religion of their fathers，amb malde to withstand the
 th eath of whom they in turn hecame tributary， antil at hast Neluelawhorar stomed dempaldm （ass ho．（．），plundered and bomed the temple．pht ont the eve of King Yedekiah，and arriad ．if the mant illustrions and wealthe of the inhatitant primers to balylon．The inadites，＂hat had hern exiled 134 year－hefore the inhaliatants ui Judah，never rethmed．What burama of them has alway how matter of varment mermbation


． 1 Il that we know of the emulition of the Heblaw during the eaptivity relate exchoively to the inhatitants of the Kingom of Indah．And an mida，erporaly during the later years wan the treatment which thes reedived in the Bahyman ＂mpire that，when fiberty was anomured 10 the Whote lenly of tho raptives only the lament if the huw remmal．therther with the levitus amd
 mony to the mumber that hat ramained anattomed w．r the va－4mam．

Tha intherere of this exile，loswores．Wat of a



 prial aif thereltivity mut ine tracell many of the Buct impertant intilutions of the synatiogn in

 wore re-entomed in their primitive rigomr: and


 a Mexiah, a Deliverer. one who whald toderna the people from ther lumatas. 'Ihe writer of tar last twenty-asmon ehapter of laialt, who in wailly

 ing langunge the lapues of the quilen: un lase dos ming of the leatha belome tuthis time. From this: perionl, likewine, the lorlinf in the resurreetion uf the benly and the immontality of the somb, an wedl an the notion of angelvand lomon- legens to enter mome distimetly into the wemeral armal.

The exile i- genematbenamad to have lasted serenty rears. This is but striotly comere: it



 thown the balowhian linghom (oss ber.) he i-aned an endet permitting the exile tor retmon
 attembins this josous event is given in the lowls of Viara amd Nobrenizl.

The fomalations ai the Seeomi Temple were lat in the moroml real of the rothrn, hant in romber quence of the interference of the samaritans tha work hat to be lain aside. It wis not ternmed
 and wa- limalif emmpleted in the sixth wat (ilt I:c.). The waste cition were libewise molnilt aml
 drw: were hlosed with a hosh denere of material
 mondred the incilemts remeled in the finoh of B-ther. la ther seventh vear of detanersor, ther sheresorb of Xerson, Vizia tho priest, imenterl



 whers, moceeded in secretly fortifying tha roits. motwibstandiag tho romtimom ogposition from
 -tictest wharanore of thr • writtan law, even of thons of it- frate whieh latal laren for sumbereavol






 trameription of the semend momble leath. perime
 wore instituterl, ame the sant 'largumic, atm well an


 athl samatitans hatame timal, ly the weretion on Momat teriain (y.v.) of a sival temple tothat at


Alevamber the direat, on hiv way tor combrer the



 at motat mumber of whon, atmi of Samatitas. bu "atrial away to bieyly, amb with theme dowi-h raptiven propilens at thind of hiv newly fommand





 - lestined to be of vant imporatace in the de-
 ally spreal wer the whole comatre, frem Lilua to lithinpiat 'Ithey enjoyed edual tishts with
 amb were abmitied to the lighos dionities and alices, so that many furthor immigramts followed af their own free-will. The frecalonn they enjoutal
 highent eminence in science amb ant. To this
 the Septuarint (f.r.), which, in its tum, while it intransed the geople more amb more from the lamguare of thenf fathers, sate live to at vant pemborphintaphical and aprovplat literatare

 anil Orientalisin.

 tirst thee Poolemies it propered ; hat after the
 Worse cante war the forthate of the olews. Aftar
 ated l'ale time with the dominions of the selenciade, and treated the bews lese farmanaly than theit lisyptian masters had done. 'Tlokir fate heeame
 m Epiaman'm ('the Madman'), whos las evary means a corel and fordmany poliey combel devine. matrased the reliorions ferting of the natiom. 'I's fonce the Jevis into the lareek religion, the tomple at dermalem was dedisated to dupitar

 sume viehled, many thed, the weater part prefered maty molom in some shape or other.

It this jumeture the heme fimily wi Mattathias.
 togesther with a few pathiots, abians the immemse growey of the Syrians. 'I'he national wathe quichly wathered-trenisth. and after the death of Mattathia-
 hosts to vietory arainst the siomatas. Ster his laath (lat) his lmothers Jomithan ami Simon completed the work of deliverabee amd insti tuted the samedrin ( 14.5 ). Juriner their rule alli:here were twice formed with the liomans, amb





 Simon, ligh-prient amb chief of thedews. Simon':


 lueiner comverterl tu the Jewinh religinn. His.som,



 six years duration 'manted. Ilis wifo, Nleximetra,
 ancemed, on the whole dmalently for nime yeare.
 whiel fell into theib hams, inal a reartion tomk


 the intertererger af the liomans, who were then





which fompery hat spared. When the war lnetwern

 Aristolulas and exectite his som . Wevamber, who
 fey, however, things changed; and llycoms, or rather Intipater the homean (who wai buth his minister and master), saw the newonity of spenring
 the line of the Mrimomean princer. They were nominatly both sovereigns and hish priests: lant the real moligions anthority hatd pasanl inta the hambo of the priesthoms, and esperially of the Sumhelrin (q.v.). The Ifmmon dynaty virtually commencel with Antipater, who prevailed on ' Besin to restrict Hyreame to the hioh-priesthool. aud obtaned for himseli the other of prownator of - Inlara, while hiv chleat on lhazal was appointed soremor of demalem. and hiv romuger sith llerod ghmemor of datilea. The dewith or natimal paty took :larm at this sudten increase of homean jower: stife enomed, and ultimately Intipater
 the limane timally enterel Jernsalem in trimuph
 sentative of the llamonean line, and his most dangeroms chems, to be fut to leath, an? commenead the ditlicult task of poverning a people who were prowing more and more mmoly every ray. For the hi-timy of the next perion, nee limani Witer llemiss death (f b.e.). Arehelams one of
 tramen, anil still more his constant attacks mon religion. made him hateful to the people: and Anguthe, listening to thrir just complaints, deprived him oi his power, anil hanivhed him to Fimme. Jnliea was now thrown together with


In the vear 3s a.b. Vhe Emperar Cationla isened an polict ordering divine homme to he paid to himseli. Everywher thrombont the Roman dominions the Jews refused to obey. It Mexamblia a fright. fml massacte took flace aml for a time it seemed as if the whole of the inblatitante of Jublara, tow, were domed to perials. Herobl Agripha ohtained anow from ('lantins the shminion wer all the
 many privileges were through his inthence granten to hive Jewinh aljenta, and evan to fowign lews. They recpivel the right of homan ritizenlipe ( 41 A.D.) anl their mler aven trien to conciliate their relistime prejudiose he the strietness with which he ohservel their law: y. the national barty remained malcontont. and in ath almost 1 "rmanent state of mutiny.

Sfer the death of Herol Aeriphat I. the comentry was again mbjected to Roman Bumpors. The eonfn-jon som leeame indererihate. The when land was overom with mblere anll iscolsins, some of whom proiesced to be animatod ter religions motives. while uthers were mere motionly freeInoters and ent throats; the antipally hetwen
 and the lattor waydid and murioned the methons Galilean a a they wem mp to wor hip at levazalem; all sonts of importurs, fanaties, and fortembre to


 $S_{3}$ ri:m mixim), and under the conmation of rual



 - bripipha, due party of Zealots, alon callod sicarii



 ment of hambeile of thomands of the mblaty y porple, who were seatered abmor their hethen in all jarts of the world.
 phas is one of the mont magnilient and meran low axamples of mingled laroism and insanity that the word atborls. Fery con-idatalie mmbers of dews were still allowed forman in that nation emmtry, and for the nest thirty yars, althomg both hated and treatel with rimor, they apper, on the whole, to have thminded. 'the Enower Nema was as lenient to them as to the rest of his suljects: hut as soon as they hat attained sme measure of political vitality, their tuthlent aml fanation pirit broke ont inew. Their last attempts to throw ofl the lioman yoke in cyene

 ater enomous and almont inctedible hoteheries. The suppresion of Bar-Cochlats insurrection (13: A.D.) mark the tinal dealation of luntua. and the diepersion of its inhalitants. The whole of dmana was male like a desert, atmon gs. town and vill. ages lay in ashes, 50 fortresses were razel to the grmmel: the name of dem-alem it welf wa changed into Elia C'opitolion, and a lieathen colmy nettled in the rity, from entering which every lew wa strictly delared. The hardhips to whirlt the unfortmate race were sulyected were again alleriated in the minn of Antominis Dilis; Mexamer soverns phaed Ahraham on the same divine level as he lid Christ. Heliogahalus, amomp his many senseless whime. patronised varions .lewioh practices, such as aremmeision and alotinence from - wine's tle $h_{1}$; anl. generally speaking, from the close of the $\mathrm{a}_{1}$ eentury thll the estahishment of Christianity umber Constantine ( 330 . 1. D. ), when their hopes were onee more dashed to the erromm, the Jews if the Lioman empine alpear th have thriven asominhims. In this perion falls the redaction of the chief arie and lasis of the "Gral Law, the Mishoa, completed hy Deloula Hanas-i ('the Prin+e'), or Hakkadonk ('the saint'), president of the ereat erhool at Tiburias (200) : and upon this comle were gratien sulserpently the two givantic commentaries or eomplements. the lalestinian and the bablonian demaras. The bahomian lews were pen more fortumate than their western hethen, though they din not perhaps attain the meritian of their pronerity till the revival of the Pomian, an the downtall of the Parthian empine Their leamer was "alled "The I'rince of the" ('aptivity" (Liswh
 badesended from the llome of bavid. He liver in great plendon, as-mming among his own poople the style and state of a monarel. 'low repintation for leaming of the Balybmian somols, Nulawden, Sura, ame l'muleditha, was very wreat. What their condition was at this time father bat we camm tell, but it semme faite matain that they hatd ohtaimed a fontime in 'lima, if not lofere the time of ('hrist, at least hamint he lat cantury.
In Empur the asembeng of thrintianity was


 They were prohilited fom making romerte, atm from marrying chatian womon they were har
 -aty comblatestey the immortal race. In the tha
 Italy, Spain, Minmea, tanl, aml the leman lomas
 artians: they holl lamd: their wionce in fant,



hateful of all pealle ; yot in -pite of thin they lill important civil and military sithation, hatrayectal
 sping frim the premion of wealh and linw.

 dsetines. amb serurd for them promionn tor se. buid the 1 emple of hemalem. The teath of this emperor, however, fandated their libumes, and
 fal to then in at victy of wav: althmal the emprors mow hersu to proter them an far the the comble In the they wore explated from militar servis. Lifer the fall of the westem empire their fortmos were different in different eometries. In Italy, Sieily, and Sadinia they were for a

 7th whturis the Frank- and Smaish Viwigothe intlicled on them frightinl procentions.

The sulhen woleane onthust of Mohammedanism in the Arahian peninembar wat first dimatrous to the .lan in that part of the word. Fur several centmies : $l$ levih kincom lad existed in the somth-went of Grabiat, callof llimyario or Homer iti-, which was in a douri-hing comlition in 120 b.c: Alonat 230 A.f. al prince of the Jewist faith monuts the throne of bemen : twier, however, the Jewish king were hriven from it, and the fluritian relision was introduced in that part in 530 . At
 entertaned opininns faromable to Alobmmed as an Arahian chief, lint when Wam berem to threaten their own faith they rove in amms igame: it- fommber. Whammed prowed the atronger:
 Arahiam dewa were linally removed to syma. The -preal of Mohamolemanom through Aviatie Turker, lersia, Eapt, Ifrioi, and the south of Span was, nevertheles. on tha whole advantagenos to the lews. Execprins aceilental persecutin?such os those in llanritamia (in 790 ) mul in Enypt (1010), they maved, muter the calif- and Aralian prime es, comprative juace. In Mamish Spain their nombers greatly hareasod, amb they lerame famour for their leaming as well ato for trale. They were combellore, rectetarios, astrobogers, and jlysicians to the downing mbers: and thin berind may well be conmered the gohlen ase of otewish litmature. Poet, wator, jhilusophers of highest aminence arome and in combilar
 that to them in ehielly dhe though the Aat, medinn the prosration and sulampent speal

 and far bet ween were the monardi- whome alme the harhation of the charehos. . What the hesian nime of the Ithi cratmer the Byantime empera
 1ume the califate hat promed intur ha hand at mons
 Ithe century the Priare of the cintivity had


 dition, from which they have newer rian. In haty

 yirit of Chrivime intohratue misht hreakont, lat iluey ajowed sin the mont part the jrotection of





 From the llth to the Itha century the blintors in
 wihl sombe wore circhatol arainet them: it was sibl that they were wont to steal the llost, and to contemphomis -tick it through and throngh: wo inveigle "lorivian children into their homes, and mander then: to proisen wells: amb the like. They were also bated for their escesoise hewry though theter call her be doult that the pancipal blame of thin is to lee attributed to there whone tyrathe, by demiving the dews of the light to porso land, hat colngresed their activity into the manwer dhanmels of tadic. Oreasmatly, havever, their deltors,
 of getting rid of their oblgation-. Tlan-, Philip Ansm-tus, moder whene mle the hews seem th hase helif motgages of emmons valae, simply comfis. eaterl the delpe the to them, forend theni to $\mathbf{t m}$ rember the pledges in their posseminn, siacel their
 than twents bans the same prond lont watefal monarch wai glad to lat thememe back. Lomis IX. cancelled it thim of the clatims whieh the dews haul against his suljects. 'For the benefit of his
 destraction of their saced lowks: and we are toht that at lanis 1 wenty four eat londs of the Tahoud ami other hank nere consirmed to the Himes. In the reiga of lhilip the Fair the den- wore again exprlen fom Frame ( 1806 ) with the unat ateompanments of cructy: bat the state of the roval limatere rembered it necessaty, in lithe more than a dozen geats, to reeall them: ath they were allowed to enfuree berment of the deble the to them, on condition that tworbigh of the whole Fhould be given ule the hing! lint a religinnenidemir havine srizel the common people in
 they signatisen themselve hy homible matasteres of the detesten race. In thi following year the plague hohernt, and the wildeet rime were latit to the chasge of the lews. Une shadhers to read what followed: in whole jurinere erory on was homed, and at Chimon at hatred and sivty of both sexe wate humed topether: Chrintiaty never prodned more reoblute matyo: thes sing homer in the phace of toment. Fimally, in 1330 , they weme haminded mon the centre of liane
lin England they are montinned in the eerlani-
 fioh, in ito; they are ato, nomed in at chater
 Congheror an! Willian lafus fovment them; the latter caried his comemp bin the beligions inetitutione of hiv himghom :of fat that he actually

 Hare hatlo- Lombard Itall, Mase Mall, and Jateob Hall, where Helnew win tatheht to Chistiates as
 they grew in watth the? gren in mumphatis. Th the day of the amonation of lichard the Linn-
 tha geetiale, fom which their mation hat been


 the chicf juntimity of the tealm, partiatly suc-
 some of the moth to juntine (there were hatanel). set the bathame himotr of parats and perple prevented any hing liku jut or salutaly jumi:h. mom. Similat rath were nithereal at Korwich, Shmmblmer, Stanforl, and Vink: in Vork mont


 hatem with grat vigum, their liser and weath were poterted for a comederation! dolmat firat
eonered them with lomondr, hat suldenly tarned romme on his pooterrs. after they hat acevambated
 deled thenn in all phats of the commors. funder Hemry lll. they weremmleted emmomaly Acemed of eliphing the eoin of the pablm, they hat, se at



 accession of Ellwarl 1. din] mot mitigate their misery : some chlonts were mable ta imbuce then to
 in France and chaphore farinis the satme perital: but, heavily taxed lyy thas wertign an gevern. ments of Cluistembon, amd dedadral isy special decrees or by valgar prejudiee from abmast every ather trade or wecupation, they eonhal mot athord to prosecute ordinary collintro. The attempt male ly the Denainicial frims to eonvert them, of comser, fatiled nttem: and in logis, the ofews-m lomger able to withsitand the constant hamblips to which they weresulajected in jeram and property - hemerend of their own ineond to be allowed to leave the comotry. lidichal of Comwall, howerer, persmaded them to stiv: I limately, in 1090, they were driven from the shores of Engrama, paramed by the execrations of the inforitterl mathe, and leaving in the hamls of the lings all theit bororety, debts, oldinations, mal nortargem.

In (remmany they wert lowked upn ax the special
 them, and were designated his Kommorlmerle ("chamber-arvants'). Abont the sth century they are fouml in all the Rheni-h towno ; in the lothe century, in Noxnmy and liohnmia; in the lloh, in Swalis, Framomite, amal Viemua; and in the loth, in lbambuhber and sitenin. 'The same sumt of treatment befell them in the rompire as elsewhere; they lind to pay all manner of iniyni. tous taxes-boly tax, capitation tax, trade taxes, coronation tax-and to prownt a moltitmbe of gifts to mollify the asarice om alyly the neces. sities of emperions princes, and hatoms. I rial against the dows was a favomrite pastime of at bankrupt noblo in those days. Tho Grusule kindled an ariot mot in femminy omly, however, but thamond all 'laristembom, lustile ta the 'enemies of C'larint.' Treves, Job\%, Pologne,
 were delugend with the hlonsl of the 'mbnelievers.
 of the bower clary cound mot be restrained. 'The
 cat perditr, "Jeru-alena is fallen') thromphomt all the rities of thr empire became the sinmal for massacret, and if an insensate momk sommled it along the strests it threw the rahblo inter par-


 ( 1390 ). l'ragut ( 1399 ), aml Ratishon (J\&Fi). The
 prsecution ( $1: 35-50$ ). They were momengen and hmrned hy thas-ande, :und the rater almost dis-
 reborn, for thoir semiees were indi-pensilndes. Here itud there they posatsined the riohtu of citizens, or were allowed to buhl ral actato in
 commaras and latity, and the law thamed on thean

 by emmelliner their permiary daimo. la many blaces lhes ware comperlled tislive in certain batis.
 Strat

Switarland commenced to lurarote then alout
 tury they were expellem fromb valions flaters.



 ind lituinlide then.
ha Sjain the eondition of the bew- was long highly favomable; but thas lowilob prosemtions
 manle it inevitable that the tirst ghenn of a Monish reinitar on the const wonld turn them into allies of the invinders. Durines the whole of tho brilliant perion of Moorish rufe in tho fuminsulat they enjoyed, imdeed, what mast hame remmen to then, in comparinon with their fate ehowhore, a somt of Elsimon life. They were almost on terms of equality with their Mohammedim masters, rivalled then in civilisation and lettens, ame probalily surpanaed them in wealth. The hamish dews were commenuently of a murli higher type than their brethren in other parts of Euronie. They were not rednued ta the one denrudinur ocempation of nomy, thongh they followed that tow: on the contray they wre hashamband, landed propres tors, pliysieians, linancial abministrators, and they hanl cobrte uf justice for themences. The chastian monamelas of the north amb centre alan eame to iflurobate the ralue of their vervices, and we time them fur a time proteeted and enconraged loy the rulers of Aragon and rantile. But thes extravioname of the molles and the incrasinus
 a disastrons change. The extates of the nohles were in many 'alee momtgared to the dews : hence it was mot dillicult for 'comsrichee' to get 111 a persebotion. Granlually the Iews were deprived of the privilage of living where they bleased; their rights were diminished ind theil taves anmmented. th tevill", ('mova, 'loledo, Vialencia, Catalonia, amb the island of Majneat mathmets of priestly imal populan violence took plin't (1301-920): inmenne mambar: were momperal, anm whalesale theit wax perpotrated by the relighas rabhle. biverupe was pusaible only ly thight to Africa, or by acrepting haptism at the print of the smod. The momber of these enforetd eonverts to Chistianity is remonel? at 200,000 . The fate of the bews in sain lming the both century, lowevor, heqgars dempiption: we real of mothinis hat perpsecution, viobent conversion, masmaters, the tomtures of the Induisition. 'Tlamsamds were hamed alive; and in whe your 280 were hamed in seville alanes.
 at the fermish real of the induisitoms, atm] tried (os mitiorate it, but in vain. It lempth the lane of limal lombu came. In ly92 lembinamd and lsabella inonded an edict for the rxpmbion within four monthm of all who refused to lamome chats tians, with the strict prohibition bo taks neither 2alel for silver out of the romatry 'Tlie bews ghered in mommoms sumf for its revocation, and


 awful acruxation: and the fuin of the mast indastrions, the mont theiving. the mont peatereblale, and tha mont learmed of their sulijeets- ind and




 Jhost every laml wat ahnt againat darom. Some, howewr, rentural into France: athus into laly.
 they siblemed the mast frioghtal privatioms. of the

eight monthe on payment of rixht arold pemmes a lual, many linetixal after the exping of the

 his temitorion, lat at the same than ionme at

 retained in lortugal, and hrough mpandians. Agomy have the lewish mother into madness: they de-trosed the ir mhihren with thein own hames, and thew them into woll- and risers to pevent them from falline into the hathls of their persecatore Tha miverie of these whon embaces! Clintianity, hat who. for the most part. seeretly :uhered sii thir wh faith (ohssim, fatesim.
 lew irembul, anl it was far on the 1 ath centmy
 perted comserts hapened as late as $160 \%$.
 hetter treathent in Italy and Thrkey than anywhere elat. Dming the lath aml 16 th centmiethey are to lu fomen in almo-t every city of laty, porming varime kimes of tratlie (nearly the whole trasto of the levant. for in-tance, was in their hams): lant dianly envaged in mone-lemting. in Which they babled the areat homban hamers.
 schular and divine of his day, reve to be eontidential adriar to the hing of Naples. Tn Torkey they wher hed in hicher atimatim than he conquered Greme: they were allowed to monen their whom. to extablith smagromes, and to wettle in all the commercial town- of the tevant.
The invention of printing, the revisal of leaming, and the lafomatiom are genemally aserted to hame been heneticial to the dews, limt thin is only partially true. When the Jews hag to we the preses at their mationt tage far thin own litemme. sacred and otherwise. The Emperm Daximilion was ared-chietly hy comert- to order all Hebrew writine to he rommitted th the lames: :and, hot for the stremons exertions of heuchlin
 have seemred a deopicalle trimmpl. Lnther, in the earlier part of his eareer, looked with no mufavomalle eye oll the adoption of solent means for their wimomion: on the ather haml. Pope Sixtu- V. wa amimated ly a far mowe wise and hinlly ghit twande then than any Protestant
 secutine atatute of his predectorma allowed thens to settle :and tralle in every city of his dominions, to enjoy the free exurrise of their religion, and, in repret to tha admintration of fortioe and taxa-

 had mothine to do with shevenemt amelionations in the condition of the dew is anly tow plain from the face that in many part- of Gecmany, lroteatant as well ac Catholie, their lat hectube actually harler than before. "They were driven rut of
 luring the whols of the bith and hee firs part of the sth contury the harlshige indieted on them on the daman momment= poitualy hectom nome and mone grinwon. What really cameal the
 haman teacon that marked the midille of the kith


 Bendduabn. In falland the bews were permitarl


 bore for mone than seth sam-: and the tirot attempt

in that country was duting the Protectorate of
 able to their adainion ; were the lawers: hat

 ceeding: and the wearionut comboweral jangling of the alivines aprinted to comsiler the puration prevented anything from luing done till the rign uf Charles il., who, tanting much am freInently in need of their semore, fomituel them
 legivature first commenced to talie - padial motiee of the existence of lems in the limt hali of the
 nised as Britioh subjects in an act which primitted thom, when giving evilence in a comrt of jontice, to omit from thin wath the woms 'On the trae faith of a Christian.' In 1753 they ohtamed the ripht of maturalizition, lat in defereme to poblic
 the eisil and palitical rishts of the dews have bem acomelel them during the pesent century. Contil tses the mumber of havilh limkers in the (ity of
 liniten to thelve $A$. few comble not he almitted to the freedom of the 'ity, of exercise ally retail trade, till 1832. Simee 1483 the poterion of hariver, since 1830 the shamally, and since 1845 the otlice of aldemam and of lord-mayor have luen opened to them. Imane the ragn of queen Victoria almost every dowish disability has heen remmed, so that, in pint of law, dow atre now, if matual-hom sulberts, on pratically the same fouting as English subperto. Ry an int of 1 sto they wate allowed to hichal oflice in municipal worpuntims. on wodition of simine a dedaration
 induroce so as to injure or weaken the lrotestath ('harelt. The privilews of this ant war "xtented ley one of isse, wherely .lews are mithed to he :umitted to monicipal amb wher uthere on tak. ing the wath. omitting from it the oljoertimathe fommula. In 1846 they were plated. an rexatio their selook ath phaces of woship, of whation, and harities, on the same fonting in lrotestant
 wim pasced, which emabled dew, to , mathate at the : madent miversities willumt detriment to
 prated whether the mariages perimoly ele-
 their own usages. wete Bithid. and the stathe of
 sheh marriages valid. nowided luith the praties mimied had treen permans profenilug the dewish mowim. lint now, ise then. thmoth it is comperant for dews, like other disurntars, to sumpr. atd any religions ememomy they pleane to their marriage there mast in all cano he motier wimen
 being alwint to take places the onls exampiom benge that the matiarn may he celelinated in the
 with uther denominations, in the sulperintement
 may ako be procused from the smperintentent registrat, and the sectetaties of the womertive
 the reqiater lowhs of bewish mariages. In
 Jowish marriacto. It wan mot mitil kis that Jons were abmitte. tor parliament, a stathte of that
 iopural of meminer, hy mitting in the case of lews the eonelating word of the gath. Baturn lantaceliald was the time whe tomb his spat in the llowe of combman on the prowing of this art.

still loft in the prower of parliamment to refune to mombly the wath if it an detrmimed. It was


 and other sepratiots, who minht relime to ho admitteal by atlimation. Jews were tive ad. mite, to the Eprer Honse in 1ssin. whon sir

 with his head cosered. The very highwe oflimes of the state are nom, with searomy an axerption. withon the reach of dews. I nlike laman ('atholies, Jews may present to livinge in the (harelo at fins. lamp. lint whonever a dew holde any othor in tho gift of ller Majecty, to which ottice shall halong tho rierlat of presentation to any megesiastieal bemeliee. sheh right of presentation inevolves men the Areh. bishoje of "anterbury for the time lesines.
some of the relies of that mizhty host of exiles that loft Spain and Portural fomm their way into France, where they lomer limered in a minarable eonlition. In 1.550 they were recomed into biyy nome and bordeans: thery were also to he fommat
 Alsace. In IJet the eapitation tax was almolished. In 17(\%), while the French Revolntion was still animated by a sincere humanitiarianiom. the lews presponted is surees-ful petition to the natiomal reprentatives, Dirabean heing amoner their allorcates. From this time their trelmieal dosinnation in Franee has hem Isrumitos. In lsout the Emperor Sipulaon smmmoned a sanlmilrin of thes to mest at l'aris, to whom a varinty of questions were put, mainly witla a view to tost thrir fitmess for heiner French citizems. Since thon they have been fomm not only in the himhert utliees of the civil alministration - very fretnently in the ministry
 also filled some of the ehief plares in the army amd navy. IVe may alle here that thesir hasery in tho tied h has been the sulojeet of frequent romimas although ammom the sices with which a brutal prejudice lowed to hand therm. in site of all historical evilenee, was also that of cowarmere.

In Inmmank since lelt they have hern on a footingr of equality as citizens with mative latnos. To kwalen they were tion inviterl-the invitation only extending to the rieh-in 1746 . Sorway forbabe them to thach its sail till latio. Ahmitterl into Rissia lyy Jeter the freat, they ware expelled hy the Enturem lilizalnoth in 1743. liendmitted hy tho Empress (atharine It., they ware further protected by the Emburar Nexamder I., who in 180.5 and lisog joued lecrees innming them foll liberty of trate and eommeree: Niebolas withhrow these privileges. In lsst a viohnt amitation apainst the Jews, aceompanime ly moll motraga

 strixtly contimed to centain frate of the rinpire.

 settoel in Argentina amb eleenhere hy liamm llimel. In Poland ther are more numoron than in any other prat af the wodd. They whed theor firat lumane reception in the 1 fth centiry to the lowe
 mistress. for many years the whold thalde of the comntry was in their hamas. Jumme the lithand the orreator jart of tho lath eenturs, lownerer, they were much fursoentod, anm sank int" at state oi



 of Prossia, shewed himande sinenlarly hash tamativ

inte the midule ayes. N] mamme nf inimbitom: and riblienlons taxas wero laid 1 gron them: omly " artain mamher were allowed 1 a resula in tha combtry, and these wease prohilhitad from luth the most homomalble aml the most hamative enplay
 ha the Irmssian poliot of tolaration (1sid), lis
 as eitizens with other lmasians. Simen then the tamentry, on the whole had hron to entarer thair " libertins'-matil the revalation of 1 str , mimal them their full emancibation, althongla it was - lowly carrien ont. In the maller (ieman states their fall rights were mondoringly comeroled. The liembatar of the empite, likn the Natiomal A
 membars. However, the progress of dewinlomat eipation in fiermany las not, of late yarar. beem contimons. Strange to say, the vear lanl was
 tho elews. esperially in herlin, which, hmomm as
 uf standiner in societs. In Antria the Ebuperar
 of toleration (1年2) extramonarily libural in its povisions for the bews. Not till Istio, lmwerpr (and even then nober pertain reatrictions). did they aequire the right to boseens land. Lint in twis thaty were acomider the enomplete liberty whith they now enjoy, and whime is anly owerdanted
 Humpary and 'lyansybana thoy have lomernjoyed impurant privileres. and have bonn protered hay the molility. In Rommania they till suther mond ill-usare. heiner only nominally putaeted lyy ther treaty of lierlin. Sbain hergai to tolerate them agrin in $1 \times 37$, amb they can follow tride wr
 they have even hean allown to assmblalo for relingos wornip. Jotheral. whem they ajoy mo civic rimhts. has ondy a fow larman lews. switarland loner treated them harolily and only of late have stepe in the right dirmetion hem taken.

In 'Turkey they are very mumuroms, and have thriven in suite of the exantione of jandas, the in-ulener of danizarips, and the miserges of war. 'Their communities in ('onstantimojle, dilimule
 siberahb: in lalestine. their ancient homos they are rapidly inereasinur, but they are still, in pitu of the many etforts on the fart of thair limoluan lirothers to amelimate their conrlition, very jume.
 they unjoy some imderentenoe. 'Those in' l'rsia have sunk into jenorance. Thoy ame famb in \hblan istan, and earry on a trade latween lialabl and Clina: in lurlia and (coclinn ('hana, whers they are both agrienlturists and arlicans; in kumam,
 whore they jussess explat rishte with the other inhabitants, amb are skilled in the mambaryture of silks and metals: aml in (lhma, where. hownver,
 position. Thay are alan fommen all aboy tha North - frican catat, where impord. they hame had coma-





 known at Falashos. more momeroms: they coint in the somban. and are alon fomma farther - inn in


 In the I nitod statese, as in Cimat bribain, flory


500 (xomgerations. They have hewn in Bratil sime lis. and ath also settled in some prate of the Went Indies.

The present distribution of . Iew thanghome the world, as calculated in l心か, is an olloms:


 lerance, $7.5,000$ : Creat Dritain, 100,000 ; laty, 40,000; Switzerlam, sooo: Seamlinavia, soloo:
 Herian l'eninsula, 20mb-mating in all Eusope above $6_{3}^{3}$ millions. To this maty le ahbed about
 America, amb 20,001 in Anstrilavia. This wonlal bringe the total mmber af dews in the world np to a little wer $s$ millions. It shonle he mentioned, however, that some antlositics cabenlate their number an comsidemal! less than this. 'They
 millinn for the rest of the womb.
hiligion. (renerally ruakin!-, dews beliew in the invisation of the (iln Textament, the authority of the Law uf Dows, the alsulute mity and ineorporeatity of the Gonlheat, the immortality of the -omb, the alrility of mankind to work ont their own salvation withont the help of priest, mediator, or sumitice, amb the mamate conver-ion of mankimel to Theinin. Such are the main puint- of aspremoent between almost all dewn. lut on many questions they are shatry divished. Fion mome tho thomatal vear there liave been at lean two roligime sections. In the time of Chaist ther were hamon as Pharicees (Fiblhinical dew:) amb Suhlueew (biblial hews) : in the midelle atges am Rablomitem

 the literal interpetation of seripture. Since the early part of the lath eentury there ditlerences have tor some extent laed robromperd in the division of dews into Orthorlox and lietormed. The latter (who may aloo be styled l'rowemote on Denden Jews) helieve in the divine etmonoty of the Ula Tosiament on Witten Law "only, while Orthotore (otherwiee linown at Comservatise or Rabbinical) Jews ancribe edomikiate amthority to tho - Whal Law of the labhins, whind thes regaral as the ker to the explamation of lloly Writ. The wral Law ix embonlied in the Talmul amb ito commmentaries, and is helieval loy thene to have been orally tamsmitted from Nowe to his successors down to the time of delmata the Holy or the I'rimee (sfoe ante), when it was hrot comminted to wit. ing. Tor this main dintimetion mont of the diver-


 Deru-alom, and the rombration of the national lift follows as a corollary from the mantemane or repmilation of the lablanimal standpumt. A
 tion of hiv nation, ther restonation to l'alwatar, the relmillines of Jerusalem am! of the temple on Wount Cion, and the rehalalitation of ther sumi



 invpree a exat pertion of the orthonlox litargs.
 and ratimatintio spirit, anlmoribas to nome si these


 an institation whicls, hating mate fallen intandene-

 of Jaimonillom, lat th the trement demamoiation
 of Isratel. Nom dome lie believe in the restoration of the national life on the retum to derusalem.
 odmit that dews can any longer he eonsidered a natiom. Sor duses he find any dithenlty in explaning away those utterathere of the prophets which wonld rem to puint to such a retarn. Such utterances must ejolier bu referved to events in the foximate future, such as the retum of ble dews to l'alestine umer the ediet of (yrus. or they are to be regurded as mere thetorical dectiomations or poctieal pietmes withont any delinite sionilicance. Similarly with the belief in a pernomal Nesoialn. Athourh this in one of the Thintern Articlen of laith, as laid down by Namomiles, it is grabually beiner abandoned by mokern Jews, who are inclined to substitute for it the herief in : Hewhimie itror in whieh, as foretold by the pophets, all mankind will be bought in the knowledge and worship of one lion, amb war amd diarmsion will cease trom the face of the earth. Fromall thim it will be aen that lefommed dudaism not merely interpets seripture in the light of eommon tenve, but aboo exhibits a more or less deeided leaning to the teachinge of hationalism, some of the more alvanced liefomers, inded (for there are vaions degrees of reform), being furt lationalists. such theories as that of two l-aiblis, or the late
 mont elboated Jewn, but the Wellhansen theory of the hexateuch is held only by the more advanced sectim of leformers. Fiometimes it is stated that Whthelox dews believe in the physical resurrection of the homly atter death. lint this ix not enreet. It was the view of dews in the time of Christ, and lats long since been superseded by the belief in the immantality of the monl.

The distinction leeween orthodoxy and lieform further exhihits itsteli in ceremonial practices amb the ritad of the symagose. letomed dews rempet themerves to the gractice of the cere momial latw daid down in the Pentatemelt, with the "serption of thome which, like the institution of sacrilice, have no application at the preant day. Hothodox lews are exprected to ohey, hesides the lemislation of the Pentatench, the entire bonly of the Wral Latw with its many thousamho of minutie annl the sereral enstoms which have leconne sanctitied hy are and tratition. Thene are principally net forth in a digest known is the Nouldhen- lowik - the text-bati of Ortholes Jumaion. Is in mivate pratice, so in the publie worship of the symacoge, Keformed dew: hats simplitiod the mintil ${ }^{\circ}$ and adapted it to momenn needs. 'lhey

 whaty in Amerita, the servie is mate 10 alpmoxi. mate to churel pratices in thme patienlars: (1) the veses sit toxutler in fanily ferws: ( $\because$ ) the

 (lumha, lhiladelphia, ami (hicagor) immovation hat leen earrieal to the rxtent of substitutiner

 vidifion to thane belid wn the siablath:
 Lratskonsf of lhilalelphias in 1858 js of as very radical at ebatmoter as hardly to meneme the tithe of Judaisar. But as the conarexation which have adopted it rut only call themselves. Iews, bint
 it manst he sot down ats the ultimate phase of Jalaima, matring fle limits heyome which it wonlil not he panable for dalaism to trael with-
 We dincari,' sas- Ior kiranskop, 'the belief in at

God who is a math magnitied. Who has hiv abole sommbhere in the inter-tellar spares. We dimaral tha loelief that the bille was written by diond, or by mand under the immediate dietation of cion and that ite teaching are therefore infallihbe. diseand the helief in the eoming of a laman Nessial, who will leat us hack to l'atwotine, establish as an the rulers of the womd, and make all nations tibutarias to us. We diseard the belief in bodily resurrection, hell-turments. l'atadinan rewardo, proplecos, superstitions. all biblieal and Rabhindeal heliefs, rites and ceremmonies amb institutions, wheh neither elevate nor annetits on lives.

Literature. For the llehew limguage, now moder that head. The extratomary inthener which the religion of the llelrews "has expreizent on Christian and Mohammedan nations lats given a universal signithence to their aneient literatnre: but of this we posses nothiner whinh, in its orininal shape, reaches further lack than the feriom of Dasid. The componition of the extant work in Hebreer Litcrather proper wombl, on this view,
 from the times of David to those of the Jaceabees. 'This period was preceleal hy a preparatory one of sagize, sondes, framentary hintorial notices, inseriptions, laws, and pulably also priestly registers. The extant literatare may lie arransed unler the fire heads-law, frophecy, history, lyric poetry, ant spadation (see bibble and the articlen on the separate book of the Old Testament). The rame eloch in which took place the tran-ition from Ilelimain to Judnism-the epoel of the captisity - was akn that which nituked the commencement of . Fwish literature, properly so called. Fommen on the earlier and mote creative Ifebrew, and for the most part written in the same lansetarae, it in yet qualitien liy the presence of relirima comeptions horrowed from the Persians, of freek wimbm, limman law, anm, at a later beriod, of dablic puetry and philmonthy and of European seience: thongh everythines in strictly suloralinated to the armat indos of the ameient faith. Since the retum from exile, the Jewish-
 ture has, withont the simhtest extemal enconatgement, actively taken fart in the valtivation of the limman mind; and in the realts of this activity, which are atill far from loeins duly apmeciated, there lie concealen the rieher triasmes of centuries.
dewish literature has heen divinm chronolumitady into nine perionls. Tha fiost periml mitends io lat B. C . After the retnra trom exile the dewi-l prople naturally enongh lowame anmated by inn intense nationality of feelins. Expestions ant aditions tor the earlier histraty (Midioshim). an well an (ireek tramalations, were executed, and etebral of the

 ní Chmonicles, portions ui Eara anul Sehoniahwere written. 'Fio this period alos, if thathy, mast
 Signetyofue (1s.v.), to whom the work of rompleting the camon of the old Te-stament is chiedly andribed.

 and Ariatobulus. The foretore of whon the Cimet
 ( Sccilles) At ihi- thae Aranabe timally beeame the promar dialion of l'alestin".

 into the meaningor the -atered writiners, wats liblital
 the impravement uf the law, with a view to prame tical reanlt-: the latter, the creence of the morions
 the aral deliveramere of the xomerm. hat aradnally written memorials mate their atheamance. 'The mblie internetation of thes soriptume in elamen and symarontes. the independeme of the sianhodrin, the strite of wedt, and the inthences of dexambran colture furthomed thi develoment. Ta this period aloo belong valons (areek, hilt not. an is till ermmon-[y Taternm: of Aramaic bexom of the lijho (ane

 instituted after the retum from the exile: fanther, the whole of the dpocrybla ( 1.5. ), and the earliest chatian wrimos, which are at lean the probluc-tion- of men nurtured in the prinajples of Judaiom, and which contain many traces of dulaistic enlture, feeling, and faith. It was alw elinaterisud los the drawing uld of pravers, soriptural expmitions. -nnses, and collections of powerlos. 'The anthon of the tirst book of the Maceabers, latom, Joselans, Philo, Johamme ate names specially worthy of mentime : armone the doctors of the oral lawllille! (ч・ソ.), Shammai. Joblaman-lun-Zaceai, (fam aliel, lileazar-hem-llyranns, Johna-hen-Chananja, I-hmatel, Akiba, aind others of like eminence. limblii ('Master') Tillmil (Wmmom ( Diaceiple of Wiolonn' were title of honnar wiven to those expert in a knowlenlige of the liow. Iesinles the Mancalean coins, fireek and latin inseriptionhelonging to thia prionl are extant.
The third periond reaches from $1: 3.5$ to 450 A. D . Instruction in the IValachat and liagala now hecance the prinelpal employment of the Homrinhing schools in fialilete, syria, liomes, and after 219 . $1 . \mathrm{b}$.
 the maxters of the Mishon (y.v.) and the Tolmonl
 Simeon-lem- Io hai, TelsmathelFoly, Nathan, Clija.
 A-le, amm Ahima. liesilesexpositimns, additions to wirach, ethical treatiser, storien, filhlem. and hi-tors were alou composed; the prayers were enriched. the Tatemm the lentatend and the Prophotcompleted, and the calemdar lixed hy Hillel the second (sto A.f.). After the sumberaion of the aterdemies in lealentine thane of l'ersia viz. at sura, Pumbeditha, and Dehardea-hecanse the rentre of dewish literary activity. (on sahbathand feotal days the people heabl, in the schooland places fer prayer. intractive and edifying diseourses. If the libleal literature of the dieek Jew: we have only fracheonts, such as these of the verions of Aquilat and symmatebme. Writh thipromal terminates the age of direet tralition.

The finmoth previod (fom 4.5 to 741 A. 10.). D this time the dews hat lonse ahmoloned the wee if
 ai whateser commtry they haproned to dwell in. Durimg the bthe centura the lably lonian Tatamal




 Sel A.1. (in the other hamel. from the fith to the
 l'alentine (iat Tiluerias): almb, besidm a conleretime




 War. hand apdopriated on themedbe the loamine




amb hiterical Hagalas，how of momality and exponition－of the Tatmond were likewion rom－ prem．The ohdect Talmblic comperme helmes to

 drawa me ahent siot and the first Talmalir llie－ tionary ahome gom．Tha mot illu－trims cironime of is iator time were sadia diod 94 ），mually fammes as a commontator and tamslator of Serip． ture into lrabie，a doctor uf lan，ammarian．
 son llai（elied 10：以），who was the ather．amones ather thins－of a liotionary．Prom labintine came the emplation of the llacona amb at the vowel．
 Thargmes，and the lirat writine on thenlogical
 Sth the tho lith emotury Kairwan and Peze in Lirica，proluced semal imphated Jewi－h doctors and anthos．leamed rahbins are likewise foum in Italy after the sth rentury as Julins in Pavia． Bari aml utranto wope at this time the great stats uf bawish leamine in ltaly．Sfter the －hprewion of the balivomian acalemies（1040） Slain lomatme the centrai seat of ．Jewish literature． The this wrim lowne the aldest Hobew endices． which whark to the 9th century．Hebrew rhyme is a prandot of the sth，anf mompin liebrew prome of the loth centurs．
The sisth primi（10t0－1204）is the mont andendid ara of Jewish mediesal litpratume．The Sjanish


 They wrote shmome and pthioul and historical
 Lahhmical Itehrew，and anciont or clas－ieal He－ hare．Weran only mantion here the great duetor， Sammel llapri（itien lons），ind the renowned Maimonides（q．w．），whes leath eloses thiv eloed． The literature of the French ralhine was more mational in it mameter，and hept mome strictly within the limite of the Hatarha amol Ifagula． ＇The sreat lashi（g．r．）the prinee of eommen tators．Whos real mame was shomom－ben－Fatac of Trope（ $1040-110.3$ ），is me of the greatest manes in Anwish literature．In Proweme，whifh emmbined the literary charabteristics of france and Sain， thaye wer colehated dewish achomis at hame Narbome，and Nimes．The fanm of the＇lahmolist of liemathy，papurially thon of Mainz and hatio－ Who wat wery geat．I Inly a few name heloner to Groper and $\boldsymbol{B}$－ia ；till the Karaite Jow hat a very
 protion of the prayer－how was completed hefore Mabmibes．Nany of the worls，however，por
 lost．

The srowth priom（1204－1t！日）hears manifest trame of the inthenco perericed ly latimundes． Litmany activity showed itaelf partly in the Fheme of theologeoresertie phinombly，partly in the elalmation of the national latw．Witi tho growth of a relgion＊mystivism thme alo

 Jow－









 the tramatian of Ambie and latin wors．While
lianer could wow omly a fow matalle anthors， surh as the rollecturs of the Tostefor．Mases de
 gete Roracha，（inmany probucell a multiturle if writers an the law，sum as Eleazar Ihaleyi， Hayer of liothembur，Awer ben fochirl，Jacoly hou Anher，Eleazar hem Jelmala of Wimms．Most af the extam Helirew Mss．lefong to this periot ； lut a great part of medieval Juni－h litemature lies mprinted in Lime，Florener，l＇ambin，＇lurim，l＇aris， Oxforl，Leyden，Vienma，inil Mmich．
The cighth perion（ 1402 lian in mot markel hy murh areative or spiritual fore amms the Jews． In Italy and the East（1492），in Comany and lobind（ 1 ain），in llollam（ 1620 ），Jewish scholars workel printing presspe，while mumons anthors wrote in Ihrlrew，Latin，Spani－h，portusuese， Italian，and Intan－tierman．Sume of the mest minent theolugianc，philosophers，jurists，his－ torians，mathematicians，pets，commentators，heai－ cospaphers，yrammarians，太心．of this perion were， hecides Spimaza，hatar Amavanel，Elias bevita， Sefomo，Dertimoro，Karo．Nowi，lioni，Moses lwerles，Manaseb hen larael，Lipman lleller，B． Musaphia．
The winth perionl extends from 17.5 to the pres－ ent time．Pincourased ly the girit of the ISth
 co－religinnists a new era，which，as in the middle ages，tirst manifestel itself in the national litera－ ture．Its ehmacter，contents，bxprisim，and even its phaseologe，were chinged．l＇oetry，language， philology，eriticism，edneation，hivtens，and litera－ thre have been earnestly cultivated．The sacred Luoks have leen thanslited hy them into the lan－ ghages of modern Emope，and forign work into Molvew：and many of this owe proseriber amd detested race have taken an impontant part in the
 many illnstrions names of this last gering we pan selert only a few like Mendelsolm，Matimon，lien Zeph，Ileidenheim，lapoport，Krohnial，Zunz， Jost．Geiger，Fiirst，Siches，\％Frankel，Stum－
 Silvalor，liessio，S．I．Layzatto－ehirfly rulti－ vators of literature with reference to their own remer anel nationality．
To emmerate manes of those who were and are illustrions in greneral literature，in law，phidrophy，
 ide．we canot even attempt，siner there in not one
 anong the foremost and most lobitiant representa－ tives uf its intellectual progrem．Of lemmany－ monsidaret to be in the vamamal of European Parning－－Munsen sibil that the grater part of the professors at its miversitios and arahmines were
 Woil，Bunfey，Stahb，Demhere，Valentin，lazarns， lletz，Stainilal）－rettainly a mow statling fact． Gplent，barmesteter，bemays，Sambers，harl
 Inesel，Sytwoter，Doldola，Embia Lazams ate likewise eminent manes in literatura，law，and scimee：while in limane，statemathip，and

 Ansther extammany and well anthentioated fact
 tinance，is to a geat＂xtent motor their control： while，on the other hamb，muns like llome．IS：
 Janin，Felix Mondelsmombatholy，Maloy， Meyelmar，Mosheles，Joachim，Eriot，Ruhin－

 fif othere lose famitary to Eagli－l carr，who shine in all hamhes of art－maic，arulpure，painting，
the dramat．Ne－－how plainly how unjust in the reproch of their beine an abstract people． withous rense in the hright sile of life and the arte that embellish it．biretly－they are，has the manimon－verlict of the historians and philowidne of our then，trekoned among the ehite promoter of the dewhoment of hamanty and cisilixamm． What han hem their reward we have seem．Haping the grow th of religious toleration，when is the di－w tinctive feature of the present ase bay changelall this．In avery country to which momen cisilisat thin has luthetrates dews now enjow，if not the fall weind rewornition which is areveden then in Endand and France，all orlinary rivil and pulitical rights．Ramia anh lionamia alome，anmy western peoples．still manatian towarls them an attitude of medieval harlariom．But su ammahons in con－ dition of athar camot long continne，and the time is surely not far dintant when even in these comentre： they will he acomaled a fair meanore of the ights of hmmanity．
For the histury of the Jews during the Biblecs Permb，consult the histories of Ewald，Stanley，livenen， Wellhausen，Lenan，Herzfeld，schurer，Stade，Kittel， and works lig Edershenh．Gexeral Jensh Histoky： （iractz，dost．Mihnan，and the smaller works by Paher， Hosmer，Alam，Morison，（＇assel，Mayms．Jews is Wixilast：Piceiuth，Marroliouth，Jacels．Schaible：
 the Anglo－Jewish Historical Exhitition．History uf hemolins：（1）Lihlical：Kuenen＇s Atidion of Iswed． the bumbs on the Prophets hy Kuenen，W．I．suith， and Dubm：on uld Testanent theology generally by Ohller colultz，and Riehm：W．li．shith＇s ohit Tostument in the Jewcosh Chumeh，and Lectures on the IRtithion of the s＇tultes；and Batudissin＇s studien
 rieschichth des Julenthomis us s．sththe；teiger，Juden－ thum $u$ ．stime＇＇irschuche：Weiss＇s History of Jewish I＇radition（in Hebrew）．（3）hlodern：litter，＂esehichto
 Jt，wish hetiden（1－91）．Jewneh Literatrise：Karpeles stemecheider，Ethernge，and item．AkT：Perrot and Chiphez：Madden＇s fions of the Jera，Jewinl life ＂The Jewish Libnary，edited by Joeeph Jacols，the firat vol．－by lsrael Ahrahaus．edition of the Jewish Qument！
 Gudenam and ethers）：Jevesh Itcots，by Jused hacubs （ 1 sith ）；the works of Esuil Franzos：The Jout of Farnow：
 Thetto（ Jen）：ant wher works by Zangwilh．The nowe ment called＇Zounsm，＇founderl in lat for the purguse of securing the settlement of Jews to the Holy hath，has amual congreens；the Dresfus cane in France revealed an unsuppected annont of anti－semitic bitterness．
See also the artecles in this work un

| A -4 ¢ris． | 1 | Firnautes． |  | Plualsores． |
| :---: | :---: | :---: | :---: | :---: |
| Buliylones． |  |  | Jewtr | aldua |
| ［3ble． |  | H，rosd． | Katater |  |
| Cubualat． |  | 11titrtes， | 3 | －athedrma． |
| （＇htsortha． |  | 1－．11＇t） | M19ars． | －\％W： |
| ［がい」． |  |  | I＇matatewer． |  |

 one of the 11 ymanmareter，which grows on deray
 Jew＝Lar wan momy in refute as an andingent．
 instrument，whind onsiste of a llat elantie vibating stoel tomone mming between two parallal rilo of
 of the rimpo into which the ribe expant ；the free


 the rih－iratur，athl tho free projecting pal of the vibuatiof thene is atmok with the limerr．The

 of still an a furformer wam a maliber of Prederich
 a Wurtumbrini nameal bulenstein，whe patsed

 vation of the wond spem to he drabtiful．It is sus．

 the instrument wa called bew ham in detiono．

## Jews Hallow．ser Comemoliv <br> Jew：Thorn．Sice Jedrem and Pabrtats．

Jeypore（Jtainer），a protected matiwe atate in

 The only dity of imputane is the rapital．The rematal hart of the state is a sady tahbeland from 1 too to 1600 feet abow the seatered；in the cant and morth－west there are monntains，bint in the southerat the suil is rich imm fortile．The charf mimufoturen are ellamelled gold－waren，minhle nenlpures，and fahics．Large grantition of salt， also，are manfactmed at the Sambar hake，Tha
 at year is fail as tribute th the imperial govem ment．The and manom almat lithomen of all arm．darat atiention is paid to ednotion．The
 they for alwot 100 mile deymre，atiter mans vicisitudes．came umber libtiol prowtion in しかに， The mathajah was eminently lenal doming the Dlating，and was rewarles with an extenson of
 s．0 miles NW．of Calontta and 14.1 NE ．of
 huilt town．With the maharajah balare in the eentre，and is the most important commemial centre of hajputana．It was fommberl ats late an 172s．The andont and now deserted capital． Amber，lies on miles to the XV．The emmemial honines of deypre is chelly banking mal an
 la adlition to the hanks them are the maharajah＇s collere an inlu－trial and semomic manmm，a whow of eut，an ohervatory a mint，the－May



Jemerelites．in the New and hater：Hume




 Lomb．＂The hembuaters of the seet wem an （itlinsham，in kisut，whele a temple，a collew． \＆s．wete partially halt．Christ，thes helimed．
 who have lived since Jame Fin the salvation of
 mast be sated ha dalief in the Lan．When Chat


 memben of the Now and Lather llomse of lamp ：－ Jemel＇s widow，in lha，the sect derasm．

Dhansi．a iontifer zawn mation stato


 Hush Rase．Tho fown，till lail in the hitiols


 military eathomment of Jhams Nambal．Iond





 of the l'mial. It rine in fle momitains of Canmore, whely contry forms its upprr hath, and is navigalle for alonit 70 out of $1: 36$ mile within that state. On emerging frme the Himalayate thrombt the hamma Pase it asala becomes mavighbe fir -mall cratt. Alnat bow miles from its -mmere it entore the faime amb, ator a total comas of 4.00 mile joins the ("lyonath at Timmu. On the banks of this fiver wats fomght the battle

 mir) Aedalpur, Jhelom, and l'mi Datan Kham. The Vichora railway hidge nebr lleanee, opened
 (Jchlom), town, cantmment, :ubl adminintatise

 (.1 hellm) liver. and is an important entrepuit of trak. long of thwn, with cantomment, oraso.

## Jilo. rees.thl.

Diddalle or drmidis, a seaport of the Hedjaz, Arahial, stands on tha Tied sea, about bis mates II. of Jecear. it is an mulatily town, sullers greatly frmm want of water, and in surrounded ly a docert. It owno it importance to the bar that it is the port of lleca, emb comerpenty the plawe
 in at yar bumb for the lioly rity. Resides this it hais in active trale, "hich, howerer, has strealily

 eom. -ngar, metals. (arthomare, mamfactmand




Jis. See tian.
Jixqur, See Cringoe.
Jilinlo. See oxis.
Jimenta or Ximevt, a town of Span, 21 mike N. of Cibmaltar, lats mbu remarkable caves and the



 cims 'ly dinge and 'ly the living Jingo' liy - mparten of the ban me et molow the expresion is allemed to hawe orymated in Wales, whither Edward I. is satil to have hall a party of batame mbine convered durms his Whol was: but - lley fingo is lirst met with in literature in

 isma :and in this abpert dates only from the Rawor Turki-h war of ls-s. It the time there wato a stome anti-hasian forline in Lombon, and the mot populat mate-hall whe of the dity was at ront of


Wr. dont want to fight, hent hy gotso if we des
 matrey, tam.


Joarchim, Jostiti, violimit, was lum it
 romand hiv manal intruetion at Viema and



 and hrilliancy of exemtion, and in the mehathical


 tion- for the violin, are fermated the the satu
enderness and deptly of musical feeling that charaterise his plisimg. From 18.00 los was apponted concert birector in Wrinar, and from Is.a in Hanover: and in 1869 he becante a member of the memate of the lindin Academs, amb director and profeseme in the 'onsurvatory of Nasic. Ile
 (Nanal: and on 17th Marefi las!. his juliblee, Wiss flesented with a masnilicent riolim, and be the Gemman emperor with the Gold Medal for lit.
Joarlillstlal. a mininer town of liohmia.

 foth rentmry the mines fieded large quantities of silver: lat the poolnetion of this mineral lasnow dwindled down to less than 2 gote ewt. a vear. Besides silver the mines sied nickel, bismath, aml uranimm. There is a myal uramimm factory. The
 hirot (arman thaters or dollars (see Doblatis) were compal here Popr 6ties.
Doall. Pore, a fahbous personare long said to lave filled the papal riair as Iolm Vlll. for almat theer vears after the death of Leo 1 V . in 855. Acording to the latest and accepted form of the stmy, she was danglter of an English missionary, and was hom at llain\% or Ingelhein. Forming an illicit romeetion with a monk at Fulda, she put (om male attire and iled with him to Athens, where her lover soon died. She then came to Rome, where from her remarkiale leaning. she herame in quilk sucersion notary to the curia, eardinal, and perfe, until her sex was discosered by the premature am phalie tirth of a chid durinis a onlemm jucession. This startling story was miwisally helieved and appealed fo in Italy from 1 fow tio athent 1600 : it inpears in atl the elnomicless within this perion, atul even so late as lome is fombl in the popalar ginile for stmpers lanow as the Mirchiller Y'bis liomer. Felix Hemmerlin, Trithenins, Cinceins Sahelliens, haphael of folterra, l'ien di Mirandoli, and Achian of I'trecht (afternards Pope Wrian IV.) are all manimons. in matintaining it, and indeed Aventine in tior man and Onumio lanvinio in Italy were the liret to -hake the genmal belief in its truth. Che of the severest hows delivereal to the story was wiven later ha the hand of the leamed Calvinist Tarin! lomolel, in his fimith: Eehoircissment (Amst. 1649). Su umpertioned wat the story that almut the lesciminis of the loth rentury the lomst of the female pore was paced in the eathedral of Siemma, alone with thone of the other popes, and thore it remained modisturbed till bion, when, at the request of clemont Vill.. loan was metamomponed into Pope Kambuiar
baronime thonght it astite on bohn VIll.: Aventine, ITemuinn, imb Shlomek, a satire on the
 ating with the Gropko, ju-1 as I'agi and Eechhart
 believed it to be laised on the story of Thiota, a tialse prophotese of the !tth centary Leibnita thomerht it lazen! on somilar story that might have hamened in the "ine of some foreign linhops whike blacen and llanke heliewed it at satimal allegory on the migin :und circulation of the false
 till futher ly difurer. Wokhom, Luden, and Hase were miabla to helieve that so delinite at -tory amblame ham withont some fombation: kurt, while saying that the historieal wislene


 aterl mot in the shlh or loth eentury, as hitherto

Telieved, hint was timt put into writing in the milatle of the 13th: amb adramed the theme that the story wa- delinmately migmated ly the I bominicans and Minnrites in the time of lemadiet Vill., a deadle tue to the two orders.
The story was long sulpowed to lue mentioned ly
 in his most ancient Jsis, nor get in those of sige
 singen (alied 115s). The first to sive it emroney is the Dominican tuphen de Dominn (died lobl), on the antlority of the lowt on ase ret malisenvom Ms. of his contemurary, the Dhiminicin Jean th Mailly. Thas the ealiest acoome in writing idiscovered to be atmont the pars lo40-int, fran which source it wa tran ferreil to work of history. like the popular but worthless chomide of the Dominican Jartims Jobons (died 1:2-s). let Pope dran does not aprear in his oldent Dls'., and the interpolation must lave leen male betwern 1278 and 1:312. The main velicle for circulating the myth in Gemman was the chonicle flomes Tomporum, whicl, combered with vaioms names. comes down to 1290 , and is mainly a compliation from Martinus Poloms. Again, the story was inserted in the ar-callied Ammiftrsius, the most ancient collection known of hiographipes of the jeples, hut lome arrin it is a hater addition. Som after we lind it in Van Marlint's Mistoriand Morror, a metrical Dutch chrmicho, and in the Dominican Tolomeo of Lucea, and later, in the 14th century, in the Dominiems lhomard Gnidonis, Leo if Wripto, John of Paris, ant Jactho de Aequi, as well as in Uccam thes Minorite, the Greel Harlaam, the Engli-h Benedictine Lemalph Highen, the Augutinian Amalrich Aurerii, lonceacen, and Petrarch. Ahout the clowe of the ISth century the story yreal with great rapidity and in the 15th hardly any donlot shows itedf at all. Johm Hass, at the Commol of comstance, naturally enomgh employed the jentificito of loan is an argument without enntradiction from either sile ; ithl the Clancellar (iemon. in a oluch before benedict SIII. at Tarasem in 1403 , $11-4$ the circumstane as a prof that the clumbl could err in matters of fact. The scholantic therolowims arrepted the fact and we find so redoubtalum at defmer of papal Ilespotiom as Cardinal Torreeremata maintaining it, so that the gilese of smme liney compiters at early frotestant witas for making murh of so mikamory a stay are bit ille and ill informent. The Iominicans, from their munerns libraries, might easily have exposed thre fible, lont, as we have sem, they were actively instmmental in its ditheion instemil. Thus stors reacheol the rireek in the second half of the loth centurs, and it is to then we owe the revalting dotail hat the chill was luern just as the woman was relehating Iligh Dlase A freek ablolar, Emmanmel lihulis, in a

 tieated a story conld bu withont hiturical hasis: and indeed the clain of anthoritation arifance in exceedingly awkwarl for thate dimbed to attath hiph credit to tralition in matture of haliof.
Originally the woman in namelow, and there are
 berta, Joan), abmat the date, hor phowe of hirth and frevims athile, ind the mond. of the vatas.



 "antionary metas of werifying the wex of a moks.

 sedes perphipetiore, from an anciont limman bath: (2) a stone, with an mintelligibly lut inentumb:
ni-read incription, popularly apposed to lno a


 (4) the rostom of making at arenit in papal jonranoms, whomy a street which was directly in tho way was amidet. The whman mat haw fied
 (10) Kingam lumause of the strugen letworn lamonent III, and King Joln : and Thider, mans Englinhomen made the pilgrimag to linme, while st bomitace even in his day, complams mot anly of their mumber, lint theit dinhoms chatacters. Heq lirtlat the Cerman eity of Mainz midit tha the to the inveterate tieman homility to lioman - hams, tegether with the fact that Mainz Was the leadinis eity of ciermany.
See Womsing, (ore de Pansin Johanme (Haghe, 1stio), a destructiye answer to another butch book maintaining the truth of the story, by Professor Kist (1st:3; : 4 lef. 1, wifi, who thinks lope Joan was probatly the wiflew


 (Munch, 1 wif: Eng trans. by A l'mmmer, 151), where the hinturical evidence is examined and conchnively demolished.
Joathmes Damancentis. John ('lurammats ( 'the sedden-fowing') of Bmasen-, a great thenhgian and hymmerater of the Eastem Thurd, ba*
 hofore the ent of the th cemory, of a Christion family of distimetion in this city, liman hy the Dralice sumame of Manomb. Ha was carefally
 mas, ly the farned Italian monk 'ownas, who had bern bought a slave to Damasous, aml is stin th have heen cathed to the oflice of viziev to the. reigning ralit. He replied in quick succersion (1) the iemoncastic measures of Lea the lamian with two memorable adresose in which he visu. ondy la fomblal the practice of image wornh. Ilihingrapher John, patriarel of Jermalem (loth cell tury , tells me that Let, unable to reach his fomid
 ahle letter to he forgen, in combertuener ai whichs Hom's hand was strick off ly wher of the calit, lut after a misht of praver to the Vimin miacmhomsly restored. It is certain that him latar vasuWern pent in a monastery, that of st saba near Jamalem, where we are fold he mortibid hio thent with asertic pactices of momal severity. Hate the forml lainure and inspiration to write hiv loanmed works and his religions buetry, was matimet a priest, and died som after $7 . \mathrm{H}_{4}$

Ilis chief treek works are Fons Nichtine, a droup of three works, tugether forming an encyelonge lia if
 Fortte sontontion Liber, a formal professon of faith:

 in which he conubats pmpalar superstitions; If Imathes on Cherasto Gohentulus, in attack on Monophysite and Monothelite buresy; Athersus Nestorimes: Leri solleq in lepistolas s. Payt, mostly from the hanilios of st Chrysutann; Shrole Iomellifu, consisting of passages fromi Holy Writ illustrated hy patalled basorages from serigeture and the fathers: Ifomilit, thirtern an
 hymas and matrical hymus and litit Berthom it Fomsonth, his most fancus work, now known to lue a disguscel version of the life of limdha. Of Johat Cramus the mollest is that for liater, lewimmis, in Niake's trandianh, "Tis the day of hesmrectm: Rarth,
 through the same trandatur are "Thuse et whad buwere "Take the lant kre, the last fure were, and 'omber youmb ful, raise the strain." "The tise adeqnate ofltson of the


reprinted at Venace in lify, and is the basis of the edition in Mignés Patrobuge (:3 vols. Nith).




 liealers.
 of Orbeans, note of the mont strikine hivane that "rer chased the atage of hiatory, was ban of pmor



 reth athl writes: and in the quatomens of her country-
 athl womanly in matmre, malike the other sinls aromad hor only in hor oreator modosty, indastry, and devotinn. Iler religion- fath wamatent almant frobl leve ctalle: she loved to loe alone and she hambed in her waking dratan orer the bilde story
 in real to her as they were to st 'leresa. ' The enhl alstraction of pattriotion she mever disconered for
 and tear- over the armows of down-tronden Franee until thent prayern towk real shaper, atme returnol
 hewnem. And tha- there wralually new up within

 romintry. It thintern, the mon of a summar:
 voice iman learen, :mil her termorralually dia-
 atal hecombe dear and fomiliar toler. st Jieliatel,

 thomblathe to ontwand eyen, hencetormand she
 maints. Juring that unlarpy time of mational degramation at frophery, amerihed to Merlin, was rament in lomatne. that the kingelonn lont hy a wometn (pacen lashellat) shandid lie sumed by at vimin, ani bo hombt thi- torether with lev visions, helped to delime her mission to the latoming and ?nthusinatio mind of the younis peasant finl. I haul fiur rather rest ami spin her my motleres sile, she salid with sibule prathos. 'for this is mo work of my chamimer, lat 1 munt ara infl do it, for

 sition, amb at hot she sucetented in making her

 bumk than jn yours, "he mial to the dombline and lue-itatimes thatogians. the fut on matr dhess and a - hit of whita armond, monatent at hats chatger.
 hroilered with lilies. not onte sille at gicture of land mothromed on wompo wh the other the shielal of

 tions. Hor swome win ome that shar divineal wonld











 :thal relmat, cotsonme with them the talle of trimt
at the stramge witehroat hy whieh they had been werconle. It onee the face of the wat was changed. the Frenth spirit agian inoke, aml within a week
 an the laire. Amid the earmome and emfanion of her strange murronmbings, bath showed the same purity, simpleity, amb good semme that hat marleal the village girl. She shrank with womanly terus from the sigla of blombled, and thembled with terme at her lirot wommi, while the lmatal tanmes of the English shliters stung her purity to the herort, and drew hot tears of indignation from lem eges. lint all thoughts of self were los in devotion to her misoion of whicl heaven had given sumb infallible proofs, and now, with resistless eathasiamm, she
 tion. Less than thate momatho later she stomal leside him at liheims, and with tearm of joy satuted him as king. "Wouhl it were (ionl's phésinve. she salid to the archbishop, 'that I might go and kerpp - Anop buct more with mas sisters ame my brothers: they womld be so glat to see me again. lint heaven had reserverl for her its highest honowto set the martyrs erown upm lier brow.

Inan combl not infine her spitit jnto the hesitating towand ind his commat countiers, and she wore rat her heatil with voxation ats she sat the work of haven prevented by the unwordiness of man. She continued to aceompany the Fremel anmies, and was present in many conflicts, amd was mortilied to the hemet hatie failure to cary l'aris. It lemoth, on the $2+t h$ Nay 1430 , Ne thew herself with a hamifnl of men into Complierne, which wits then besiened by the forcem of birctundy ; and, heime driven batiok ly then in a denprate silly, was left hehind by her men, taken prisoner, and mold to the limglinh he John of Luxembourge, in November, for 10,000 livere. In becembershe was carried to lionen, the leadyuaters of the Vimplish, beavily fettered and lhar intor a mommer prinom, and at lerustla armagued before the spinituad tribunal of l'ierre Camehon, then liishore of beanbilis atul a wretehed creature uif the linglish, as a moreeres aml a heretic, While the dimatard she has rrowned a kiner left her to die. Hes trial was lomg, and wis distraed bevery form of shamefal houtality, mater hardly even the forms of furtice. Inas after dity a lows of lemmed deretors tortured her simple heari with tortubum qutestions, tha aim of which was to get theit vietinn to comdemm hevelf. Even thmogh the untrusimortly Forms in whicla they are recorded for us ber anmers show forth the noblt simplicity of very trath. Immmerable questions on the natare of her visions were answered with the satue colmomes
 driven lo fininh the intaromations in private, and to resort to the natareles infamy of acomdiner
 minlter for lirer eombemmation from the most matered combinones of religion. lathe judgment she was
 to the charth, pride, iand idmlatry, innd the formal comblomation wat pornoryd in twelve artieles. Tha jumben did not diallow tha possibility of heavemplysions, hat thes dectared thase of olom to le illusions of the dosil. They were now reaty toserd her to her riomm, hat they winhed lirnt to
 publie opinima, and they turtured lare hy altermate



 ment, and foreval has matin to put mi woman's dreso. bit it was far from haing meant that she
 ownwhelmal with selfrepromela ami despait, and
denied what she most longed for and haul heen solemmly promisen－the eucharist，she wat sult jected to new indignities from the lorntality of has ghath，who stripled leer of her womans ifess． so that to protect lier chastity she was emmelled syain to put on the forbiduth dress she ham laid asinle．This was it once mate the gromuls for a charge that she had relaped，and she was with． ont delay brought again to the stake，May 30， 1431．The woman＇s tears dried upon her elieekr． and she faced her doom with the trimmphant courage of the martyr，dedaring that she knew her revelations were from（ion，and that she had only summitted thromish fear of the tire．Her con－ fessor to the last held up the cross hefore her eves， and in the midst of the diames that wraplued her round she ceased mot to repeat the sacred name of Jesus，anl to invoke his saints：a last time she was heard to exclaim＂desus，＇then her heal siank down：she had fimished her prayer in heaven．So perished the erveat uncanomisel！saint of France， leaving in ineflacealle stain umon English honomr．

But han＇s missinn was arcomplished，and he the entha－iasm that she awo the English were driven from the saterl wil of France．Twenty－five years after her death Pope Calistus III．acceded to the prayer of her mother and her hrother（who had been emobled muler the name be Las），that the proeess hy which she was combenned should le re－ examind．After a tareful imquiry the limling was that the twelve articles on which her sentence was baved were false，ant that therefore the whole pro－ ceatins of the Bishop of bemvais were null and voil．The judguent was publicly declared on the spot，in the market plite of Ronem，on which she sullerenl．But long hefore this she had heen en－ shrined a saint in the promar imagination，which real the wrath of hearen into the sulden end that hand quickly enne to every one eommected with the trial．Indeed，the paplle had heen slow to accept the fact that the uail！was actually dead，and at first reanlly believel in the impostor who arose in Lorraine five years liater．

The story of Joan has been a rich motive in the world of art，from the honest mediocrity of the youthful Sontliey ant the nothe tragic sense of schiller to the heartleis ribalify of Vultaire and the fantastic mummery of Sarah lernharit．Fainter and sculptor have spent their genius on the theme without as yet adequately reabsing its simple grandeur．See enicherit＇s claborate work，Pronès de Condemmution et Fihubititation de Jeame d＇Arc（ 5 vols．14if 43）；the hooks by Michelet，Henmi Martin，and Joseph Fabre；the iconoclontic paradox of lesigne（1an9），H．Wallon＇s richly－illustrated Jeamm TAlve（the eql．1－4．3），Janut＇Tuekey＇s sketch（15s0），and works by flaze de lury（labl）．Lancty（1509），Rotel




Job．The book of $\mathrm{fol}_{\mathrm{o}}$ is sor malled from the name it the man when hintory is the saljopet of it． In flehmew the mane in lygot，of whim no wertatin explanalim has hern miven．An it mur exists，the
 chaps．i．ii．This tollm nu of a man ealled dobin the lan！of 1 ＂\％，whan wats perfat and upright， fearime（ionl，and exhowime wil．＇＇l＇lae man＇s





 alliof him in him jumon with a friohtfal malituly． In sinte of flame attliotions Jobl Pobles fand liic interrity：•In all thim Juh sinmol mot．＂Ilaring
 neighlamrin＂rmirs romes to coudule with lima．In
the presente of his frionds doh losers his self－posere siom，and breaks out into a phssionate complatint， lamenting that he has ever beralonn（iii．）．
（2）The delate hatween doh ant his fritmols， chaps，jv，－xxai．Buth the tome and the enontiments of Jobse complaint seem wrong to his frienols，and this feeling on their part initiates a delate leetwern them and Job upon the meanime of his atllietions， which widens out into a meneral discossion of tha cansos am！［urposes of evil and athiotion in（ionl＇s frovidence．The theory of the friemels is that atliction implies previons commassion of sins＂m the part of the sutlerer，thomen in the rase of a gronl man，shel as Joh，it is not punitina lut dis－ eiplinary，neant to wean him from esil still eling． ing to him：they therefore exhme him to rebrat． ance，and holn up a bright future before hinu．dal， denies that his suflerings are due to sin，uf whim he is innocent ；foul wronely holds him muity anm aflints him．And here the flispute with his frimmes works into the problem rained lis situm，whether doh wombl remomace fion to bis face．I＇mel the insinuations of his friemds，which，with his con－ scomsness of inmocence，left him moseape bat deny the rectitule of Goml，Joh is almost dijeen to
 this，he remehes the conclusion，sumpited not only ly his own history hat by manh which can he seen in the world，that theme is mot that meceswary com－ nection between sin and snflering whidn the friend insisted on．The diselman hetwern obob and his friends consixts of three circles of speceles：（1） chaps．iv．－xiv：（2）ehaps．xv．－xxi，；（3）ehapls． sxii．－xxxi．Each of tlese circles enmsists of sis speeches，one hy each of the friembs with it roly from dols．In the last eirele，however，the thind tisputant，Zophar，fails to speak．This is a rom fession of deferat ；and Job，left viotor in the strife． resmmes his parable，protesting hefore heaven his innocence，and atjuring God to reveal to him the canse of his athletioms．
（3）The speceltes of Elihn，chaps．Axxii．－xxxii． A youthful lisstamer，named Elihn，who litherto haid heen a silont listener tas the lehate，here intar－ venes，explesing his dissatisfaction looth with dob and his friems．He is sharebed hy dolis inever－ ence in eharging Gon with umbirlitemonors．and indicnant that the friends have not lromeht for－ ward sueh aronments as to show him to lee in the wrons．His ahburence of lolss sentiments is mon greater than that of the three triends．from whome theories of evil he ditters mainly in wiving wothor prominener to the inlea that atliction is dinciplinary and proceeds from the grominess of（insl．（t）＇lhie words of the Lorn ont of the stomm，aldif．Aisiii．－ xlii． 6 ．ln answer to olohs repeated demand that （ront would appear and solve the rillle of him sulferingsthe Loril beaks ont of the tombers．Ila does not refer to dobs prohem limertly，lat in al series of splembin］pietures from the matimial rome tion ind animated nature he makes all his alary to prass hefore Joh．The motlerer is hambled and vilent．Sinch thonghte wi lion hinge him hatk


 hambled himself borome find，and attaibud for at fuller kmow leatore of him，is restoren to a prosfert ity domble that which her ajomed heforas ant dios alal atoll fall af alass．With the exerption of the di－ romree of Elilnt，the anomertion of whirh with tha prom in its mininal form is linlole to dombt，all

 of it latar ofita．

 tients from this viow，homerers，are raterred to in
the Tahmol, where a rabhi is alluded to who hat sail: 'A dol eximed not, and was moteremb: he is a parable. . Am Mamonides (died lothe ex presued the opinion that 'Jablio of parable, meant to exhilut the viows of mamkind in regard to
 prevailins opinion was that the hask ematainet literal history. Juther, howener, while admitting a hatis of history, was of ophim that the hintary haw leen preticimy treated. IJe sisys in his Talle toll:: "I lood the lenk uf Jols to lie real history; l,ut that everythine se haprench and was so done I ho mot helfere, but think that some ingenions, fioms, and learned man comperel it as it is." This is jerhap the prevalent mimion in modern times, thoug there ate many melnhars, some of them helong ing to the mont conservative school of eriticism, such: is 11 onsstenhere, who boll that the poem is a pure chation of the athor's mind with a didactie purpere and withont any historical foundation. That the buem is not strict history is slown by the many illeal elements containel in it-eg. the hearenly equmeil (chap, i.-ii. ; ef. I Kings, xii. 19); the alliressemplut into the mouth of the Amighty (xaxiii--xlii.) : the symblical numbers, there mal sto $h$. uned to describe Joh's thelis and his chilhen (i. $\because: 3$ ) : ant the pofomit thombt and claborate imasery in the varmas peeches, which, so far from luing the extempraneons ntterances of three or fom permans canally homat together, comlal muly lo: the leinuely probluction of a writer of the highert remins. On the ather hand, it is not so phoble that a work of such extent and written at the compratively early date to which the honk helonas shand be pincely betionl invention. The refermee to Joh in Erelite! (xis. 14), which can bardy be to our present hook, shasests that there was it well-know tralition which represented duh as a man faned for binty in amemt times. This trablition the anthor of the book laid hold of and no thont entrellished with many gletails in order to convey through it the lessons in sexat to l'mo vilence whel it was his object to teach.
Students of the book have not foumd it easy to diolne all it-contents unler a ingle conceptiont, and some writers, as blepk, have contented themselves with stating some lemons whel it olwinnsly teaches. The pologhe, for instance, shows how esen pion men may ln $^{2}$ visited with severe athie. tima, whinh it is womg to comsiler the to speciat sina on the ir jart, of to regard as signs of Gorls atispleamor. Sain, the cume of the clelate, taken in connection with the disine precthes from the -tomendond, sumpet-that it is memmption in man t" besomb hanan wimbom to complatom, man's true wishom lyims in fearing the lam and reverent subainion creln ammo intellectual larkness and perplexity. 'lhis seemm truth may be satil to lee the lmake of the wares of the - Bmighty booken ont of the stormechal, and many writo have ammpladed that lhis truth, tanght hy dom himulf, mant la just the lemon intenter! les the lowh. 'lhis view, howew, mundeto mondy the light wiven to the realer in the probune and also dolin rentoration naration in the epilugate, and indean the whale delate letwan . Whe atol his friends. I
 avecmat of all it - mements. Now, tirs, the huoks





 sented an an imfiribua, mont be peratent an at typ of the sullaine fighteons. or it maty lee of Lisact. His history, with tho Lamons it teaches,
are the lemons whicla larabl shont comfort itself with in its eircumstancen af atllietion. Now, these lewons partly come wat in the debate with the there friemls and partly in the history of Job's minh, his perplexity, retarn tu fath, and retomation. When the great calanity of the downiall of the state befell Fratel the promptic view that it Was the to the sin of the porle was accepteri, and was sufficient when the state ats a mity was eonsidered. bint hany jions individuals sulfered for sins of which they ham not been onilty, and, as in this age the position and worth of the inlivitual hegan to rise into prominence, this fact neravimed finplexity in regard tu the pheration of l'midence. Finther, when the exile was prolons...d and a new generatiou arose, imoment of the sims of a fomer age, and yet incolved in its panishment, hais proplexity increased, and questions luegan to h. :nked whether the vew that sutferings wern always the to previous sin was sutlicient. This is the question in delate letwem Jub anl lis frimuls. They maintained the atlimative, while Joh dissented, fomming on his awn history and on much that he conhl perceive in the worlid. When the anthor of the buma allows Joh to put his friemts to silence, we may infer that it was his purnowe to teach that the ancient view left much matelained, and was not a sobution applicable in all cases. Ame when in the prologe lee exhilits the care of an upright man atllicted as a trial of his nprightneses a and in the looly of the look the man in bite of much doubt and ewn sinful frailty holding fast his integrity : and then in the epilogne the sime man, victorinus in his faith and more reverent in his sulmissiom to Gorl, crownal with donhle pros. berity, we may infer that it wats his design to teach larael that sutlembs may le a trial of the rightens, which, if reverently inme, will lift them ין into fuller linowledge of (and, and therpfore into nore assured peace and felicity. Thio is the lemon which he desires to teach J-atel anilst its shrows and the gerplexitien occasiond he them.
Ohjections have been mate to the miginality of the prombe and epilogue which have little welght. Ammes modern scholats the mevaling vere is
 insertion of a later date. This ricw betc on mela facts as these: that Elihn is mot montimed either in the prohogue or epilogur: that dol makes no mily to lim, nor is har refored to in the divine answer from the stame colnul) ; that he betrays a manneri-m which looks like the creation of a dillercont author ; that the language of his sporches is lexo pure Hebrew than the reat of the lank; and that his strong repugnance to the ime verenco of dob, and his more profomd somse of mans sin and the
 miginal look. The aretion iv of wrat interest and ninniticane in a religime pint of view. There are
 dillicult to fit inte the: wncral mon" of the lamk, ami a woul many fanaters are wating in the wighall fom of the Cried verains.

The are of the liohh if loth minst mot lin eon-
 asonmed to have lived in the latharehal perionl, the colours of whill the anthor hasshilfally thenw wer his compositina. The :mbn, however, is an wredite, whene womk is a leflectinn of tha religions life and religions themght of lamel. Two general fact: pmint to the age of the raile ats the prioed to which the book helonge: lirst. the comdition of grat dinomer and misery whin foms the backFromel of the prem (ix. e4: sii. 6 : Nis. 12, Ne.) ;
 the relatime of suthering to the rightems, which reveal a combition of paphoxity in men's minds necasional he the miverites of the captivity. Other
things also moint to the same fertion-a.e. The sery highly tereloped dnetrine recomblinot (iomb. Whanh is paralleles only in loa, xl. lxvi., ant the lateve

 attinity of the hook in thonerht an! langase with writuis of the exile age. Joh iii. is ponaln! depritlent on Jer. xx. It seq. The atathor of the bouk is altomether unkmown. It was ranly the problets who mady put their names to their writimes.

The literature is very copious, comprising - A. Shultens (17:iT); Cmbreit (1832); Hirzel-()lshaustn-Dilhmamm. E.reqet. Hemelluch ( $83!$ !-ib): stickel (1812): Schlottmann (1851): Renan (1854); Delitzselh, Ewald (tuth
 bible for schools, lest); Eratley (1sin); Froule, shont Studias (vol. i.): Budde. Beilrailé =ur Kritik 1/. B. Hiob (1:76) ; Grill, Zur Kritik d. Fs. Hubl (1s.du).
 Inflia. It i- a errave, sometimes ri-ing of the helight of eirlat feet, with the stmat halit of maize. to which allen it is lotanically ablien. The name is derived from the tear like form of the harsl, shininer, honish-white aded, which are ombetmes mate into bracelets amb necklaces, and are alon an article of foon. Thometh une of the wonst of the cereats. it las luecome almost naturalised in spain and Portural.

Docelin de Wrakelonde. a Benerictine monk at Pary St Eumunds, who hels successively the oblices of ahbot's claplain amol abmoner, wrote at done-tic chmonicle of his abley from $11 / 3$ to the year 1202, and lied about 121 l . This is the famons
 lakewente for the "amalen smety in Isto, which save Carlyte the inspiration out of which wew Pest whe ${ }^{\text {Present }}$, whe of the lapprient of hivwork. The almiration of this simple amil veracions 1 Bthcentury monk for his sugerior, thhot sampisun, touched the sympathetic inarination of the oreat 19thecotury champion of herown- whip with whose masterriece Jocelin's mate will remain for ever inalienably linked.

## Joffey Clith, see Hunsersuivtr.

Iodeln. a peculiar manner uf simeing with that falsetto voice in harmonit: progremobom, [nactisel by the Tyrolere and the swism.


 sulture wenerally is in a hackwarl connlition, amb there are few mamfactures -atre wi zalt irom the Simblater lake half in Jomblum and hati in - lequare (I.․). There are no ratwats, lant ane moud roal traverses the state. lifleation is Beglected. T'la climate is remarkahly hy and the diffrence of tomperatme hetweta nizhe ind






 atme the iuljacent state wif Juphe (y.v.) is very interastin!.


 ser-inas) biothotel, late of his geramal hintury






 oriven in matrative form in the leviren \eromat.


 i. 2-ii. ll descrihes with vivill hyperholimal imainoty the dire invasion which theraters the thentaction of the comotry amb the arrival of the final comsuming julnment known as "the day of lelowalı: in ii. in-17, sheaking in the nante of dehovalh, lie smmmons the gerpile to a solemm fant att the sanetuary and the priest to interecosory prover. The secomi part cuntains Jehoralis answer, prefaced be the womlo alreaty beferred to: "Theit was the Land jeakms for his lami, ant liat juty ont his berple : and the Lord answered and said nutus his perple. Fiost, a pommise of fruitful seasmos to
 (ii. 1! 3-2 ) : thin is fullowed hy the promise af the sutpouring of the spirit on all the Jews and even nimotheir servants, annl the linal momine of the dial uf the Iomi. which is to i-an" in at divine juther an'int uran bletir heatlen ememien in the valley of
 etalibshment of Jernsilem as a huly city, the centre of fertility to the -nrmandiner hand (ii. a- iii. 2l . The -tyle of oloel is remaded ly selobars
 phetie conceptions ate latrely momelled on thene of uhber grombet- from time to Ezekiel. Intil
 was to itsignt an early date tor the lumk, most of them flacing it in the minnity oi . batols, king of
 as lieal- of the commonwealth. But this eroess better with the [oostexilic late. tw which wher features in the prophere eltatly point. Tha dis-
 and the penple of Jehowah are revareded as $-\boldsymbol{y}$ mommans: and the reielemae to the sive thande with
 Ancient ant medieval intorftere channomily tank the lownsts in doels prophecy harnatively of allefarbeally, and the -atue view lats heen arioned for, thong ly no meins convincinnly, by sume recfat scholars. There are separate embmentaries on the
 anll Jerx $(1,-9)$. sete alos the mommentaries un


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Joliannit. one of the jalands of the Comoro


Iohinnnesboner. the ehief town ant minims










 Was sebastorl al the ste of the mew station
 the town and the minimer indontry grow raphlly.

 fonm the linw



 nute evphoinn wanked prat of thr tumn in

streets were not hiohted, whl anly the eonceseron for baving the pringipal street lad lieen oranted. The zovermment buiblines comsint of the past and telerraph oflices, and the mining-rommiosioner's
 lanks, ehurehes. lotels, chab-homes, with shoms and private homses, and a magniferent stock exchane haw heen ereeted. The plame is, or would he vary healiby, were not the mantary conditions so matisfictary, and were it not for the freguent terrible dast-starms, in emmedmonce of Which fevers and phommona ate often prevalent. The neishborhom of Johameshate is delightiol, and villas amol fine subuthan homes are spinging
 was 102,714 , of whom 51,205 were whitw.
S.e Thaxisials: Thomas, Jehemursburg in Arms (15:hi); Atann, The Truth Imm Amannesbury (1897).
 imes the lihine, $1:$ miles WTW. of Wieshaten. It has a hydronathic, and mamplivetories of pianos and printiniepreses, but is moteworthy chiefly for it cantle ( $1722-32$ ), the [mojerty of the Motternich family, and the famme vinerambs ( 3 s neven) un the castle hill, phomeme the ehoice Johumisburyer white wine. l'on. lislf.

Johnn. the Apostle, som of Zehedee and yommat hrother of Jamos, was a liablean fisherman, brohably a matibe of liothaila. l'rom Matt, xivii, bj, compased with llark, xv. 40. it is polsalph that his mother was sulome, whom some infer from John, xix. 25, to have luen the sister of the mon her of desins. In the syanotic erospls dames ambl. Iohn, like leeter and lindrew, recedve their call ta the: dinciplexhip while endared in their daily orenumtion lyy the sea of (ialilee, aml the sumatme "Noms of 'Thamber' is comtered on them by the Naster. Ilemoforwand dohn in always mentimed at one of 'the twelve, and zernerally figures alse ats a member of an innor eirele of disejules, of whels only his brother itames ami leter are member leaines himseli. In the formth wospel John is not mentioned by name, hat andent an well as motern expmitors ibentify him with the commanion of Andrew, whos first lusemme arguanted with Jesus at lathany, heyomd Jondan, while he attemed Jolin the Baptist as a diseiper and forthwith attached himuelf to him, Ambrew and l'teter lucoming dia eiples of Josus at the same time dohn is harther difentiferl with the "uther eliveite" who in John
 "whom beas loverl." This "xpmosion in usmally
 ness of marateter in John: lint what we read in tha. Sivmotists shows that, wrimally at lomet, la mant have hern smmewhat paminiata, namos, amb ambitious. After the ambenion of Juan John semms to have remamed in dernsaltom, where he: still wan whan l'ind rinited that city for flow

 af the late visit of the agomate of the lientilenatront


 in the now no longer extant work- af lappiats that




 indentitul him with the: anthor ait the Apuealyme






Lpistles which bear his mane. The anthenticity of this tratition as to his having ever lived in buherus has hem challenged by many critics, who hold that it rests on a emonsion matur ly hrencus between John the abostle and a certain John'the "hler' or "pestixter,' 'a dixciple of the lam,' mentiomed ly loprise as distinct from the apostle. For the megrative view they also urge the silane of the New Testament (Acts, bixh., l'antoral Epro. 1 l'et.), of the Apostolie fathers, of Jastin, and of Heresiphas, amb wothers. For the literature of the fuestion, see the works mentioned below, under John (Gosiel aceorbing To).

Jolin. Enestes of. Of the three canomieal enpintles asombed to the apostle John, the first is not in from an epraste, lut a wam practieal lomtatury treatise haned on the theolugical principles of the fonth sersel, with wamings arainst Inoretic amd Antinomian fonos. The seeond and thiod are short letiors of ath oecasional eharacter, adelressed to imlividuals-maless indeed the elect lady of 2 dohm he a timmative title for a chmeln, a vew which has sreat probability and has found very large acceprance among moilern interpeters. The first express mention of eprostes as written by John the $A$ postle is in the Mmatorian Camon (about 170 A. D. ), which qumtes 1 John i. 1, amd elsewhere ennmarates two under his name. From the time of Origrn 2 Joln and 3 John were clansed amonor the bunks of the ranm whose authenticity was bispoted; Euselins and Jerome attributed thom to John 'the Preshytar,' as distinurished from Jom the dpostle, and thix view has been followed by many madern writers, becimning with Erasmus. (ha the internal evinconce erition are for the most bart agreed that 1 . Iolin has the same anthor as the formeth goosel, of is at least ly a witer of the sume sehom. The epsistle has inerasiomally bern attributed to the apostle ly critien whodeniod his anthorship of the gropel. As to the prionity of the two worlin in point of date, opinion is almost equally divided. For commentarios, see the exgnsitions of the whale dobmane writines lay Linche, latmmgaten ('rusins, and Vwald: also the precial works hy llather (in Mexers Commornter, the ed. 1880 ; Ener trans.), liranne (in langets
 (2d ed. 18s6), atme Wisteot (2d ed. ISs6).
 coumbical woplel, which rxpmess trulition since
 of Lyens. Dlmatorian ('amon) han mamimosusly arorifued to the arostle bohn (iventifing the * Alinciple' of dohn axi. 24 with the ann of Zelerdee). is dintimomished by a number of stomsly-marked Chatueteristies from the liset thre", unatily hoown ats the symoptical faee dionablat. 'The beynete of what flement of Nexambria has called vhe
 where the place of the semeatoriter ame sletaileal
 in the symotias is tahen ly a probomolly metarfinsionalstatement of the dextrine of the incamalion of the biternall lages, 'Thes serene of the namation of the cartlaly life of deran which follows
 tirely in Jublara, while in Matthew, Marls, and





 least there pramovero, athi pooshly more. There



the ministry is in the fromth ansimen to that berinning: the last supler is dated wh the ovoming before the passover, and not on the baisomper itciolf ; and the anointing at Pethany is stated to have taken place six days, not two befor, the pasamer. Again, thers is a most striking ditheremo in the selection of material. The fomith grosuel, pawings over moln that is emmon to the other threm-the temptation in the wihlemess, the transtignration in cralilee, the agmy in the sarilen, the sermon on the monnt, amb most of the parablew and other dis-comrses-introlners ms to mew popans (Nathammel, Nimomems, and others), new localities (sum as Cama. Enon. Syehar, Ejhmaim, and Bothany heo yond Jodan), and new renes and sitnations. Its miracles. Which are combaratively fow, and include no ease of the castinmont of devils, are mot for the most part exen allnder to hy the othore (hat of the raising of Lazarms is a compicuons instance in puint): and it has been remarked that they are presenter lpas as leeds of combasion wronelt at the prosinge call of human need than as jpmotae. ons displays of sulurnatmal pwer primarily lo. signed to jrove a divine mision. The greater bart of the work is compored of relatively long dis. comras. in their arommentative and theologieal character an the whole very molike the aphoriams. parahles, amb pratical $\mathrm{m}^{\text {prophetic exhontations }}$ attributed to drsme in the symonties, whilo they are all very -imilar to one anotlaf in general tybe.
 by the anthor himself when writing in his own name. The arpects in whel, throngh these discomser and otherwise, ('luist, the incimate Losos, is presented in the formoth gospel, are will ly listimet fron those in whilh elens of Nazareth comes before na in the others. The element of lmman decelope ment is wanting, sumb his own concemusmes of a Divine nature and mixam, as well as tho recounition of thewe by lis fullowrrs, are repmonented as having heen oprative fomm the first. Finally, it sets forth a more inwayl and -risitmal type of theology and religion- experiences and thore is for the mort bart in it - molathlary ambloetrine of the life etcmal a complichomz almence of those imatere and coneeptions--everybere prompt in the symot

 of the lase thinge.

It is leas than a contury sinee thome and similat
 piece of literary compoxition lewern In bue dis. chasmin in thair haraing on tha 'fowtion of the
 Tlif guention was lir-t atarted lyy the lomelixh

 hamblol with any aproweh to tho fullame and

 learmod and ambe Irabuliflice de lémomplii ot Epistolmume Ifommis "pastoli imbuls of wrigime



 aynobtie traditions, the weakno.. of the extmal


 In the momre of the mat $t$ wenty geats the atithons.







view was taken hy ('remer (1830), and alen by lieus (isto), the former of whom laid panplasio on the 'snlijective' character of the arojest, and held that it was to be resarimed lose as a history than as a doctrinal exposition, in which tho dieromses of Christ are mival up with the Logos speculations into which the author has
 The discussion of the question rached a wholly new stage in the writings of liaur (chiehy hetween 1844 and 1847 ) and his followres of the su-ealled "Tiibingen' or "Tondeney' splawh-i sehool the value of whose lahours in guicheonger a true historieal sense for Sew Tostament whijects can hardly be overestimated, and whom inthence (not yet exhansted) has heen bowerfully and luenedicially felt far heyom the pircle of its immediate disciples. Space will not albom a full statament of the pasition taken ly Barm of of the armments he alvanced in its suppurt. They can he adequately Mereciated only in commention with his theory of the development of early 'hristimity as a whole. This he repesents as havinir passed throush three stares-bint of arnte antagmism between Ehionitisnl aml Yanlinism (down to abont 70.1 .11 ), and next of abatement of claims on botlo siles fomm to abont 140 . $\quad$ b. $)$. While linally, after the eliminafion of Ehionitic and fimotic extrempe, rame the beonciliation of the two bartios- mactioally in the ascendency of ciatholirion as exhibited in the Fimman Clmuch with Petol ame Pan! as its two recomisml fomblers. and indally and therotionally
 11. 1. 123). Priefly ambenerally statm, lis view of the formothersed is that it was probluced about $160-$ 70 A.b. hy a cientile (luristian, who, timbly and lieartily convinced that the listorical . Ioms was the incarnate logos and veryson of tion sompht to exhihit this truth to his contemporans with cumcretr youlness in a persmasive literary fomm by mams of a patai-historical narmative embulying tho inlen- and minciples whinh lie remadeni as exintial, for whinh ent he mande tree and anditrary una uf surly eloments of the marrent (hat still someWhat Horthations tratition as were eapathe of
 sion hav led the monlem repmematives of the Thlomen selmol to molify several of these posi-
 reseres dato, it wain ured by the other sirle that the evistence of the fombth gobel was alomonaliatod
 from it in the writings of anstin hartyr a and it is now renevally admitted that the passames referped to prowe at least the wiln ommens wh that combaratively early prios of many of the sherial illoas


 imdord, lionan las fombalated the samon that the carlier we wan plame it the low inesplander it
 of arommtiay for the introblaction of atomel in


 time of the "hamety the time of obatim. The



 Which thr work mand itofolf felto in the allivial the ollery of the ed contury. Another juint in which





goapel itself to tho etlect that its writer was a dew, acpuainted not only with the 1 NX. hut with the oricimal Hebrew of the Ohb Testament, familiar with Jewish enstoms and habils uf thonort, with the toporraphy and local purnbinities of fernsalem and the temple, and of Patestine remerally. This is now very remerally conerded: but it is anded that his sympathetie familiarity with the writings of Philo shrgeste rather an Alexambrian than a Palentinian lew: while his aeguantame with the Holy Laml (which after all camot be shown t" have heen pxhomstive) may have lotan acquired in the eourse of travel. Bnt as regamls many of the vivil literary tombles on the part of the barrator. which on one theory are held to show enasmmate descriptise or amanatic skill. and on the other to hetoben the eve-vitness, it is printel nut that such tonches are not wholly alisent even from some fomplat that are confexselly apocyphat, and, farther, that it in not always imposeilife for we who has only hearl the accomet of an eye-witness to comver in witing some wraphic idea of what he has hearl. If Banrs view has heen in some im . purtant reppectm monlilied hy his suceessors, comers sions liave also lieen mate on the 'apolocetic' silde to such an extent as surgests the passilnifity of an ultimate anreement het ween the two parties in the controversy. Thus I: Weis., in the pararaph of hic Introtirction ( $15 \times 9$ ) devoted tor the P Timits of the historicity' of Jom's qosiel, points out that, writiner as he did at such a listance of time from the incillents he had witnessel aml the discomoses he liad lientid, it $j$ in the nature of the case ungeasonable to expect that at least the longer disemmes shombl he reproblaced word for worl. Johns manner of reprombing the word of becus is, in fact, charanterined hy wrat freedom, his pratome beime not merely to repodnce them but at the same tine to explain then and hring ont their inner meaning. With this view not merely the actual phaseohery lont also the listorical nettine has been fre⿻unenty modibed, the evangelist caring only for the eternal signiticance of what he hat to tell. I'reciarly becanse he was an ajostle conhlat he da this withont embarmasment or hesitation. What applies to his repromaction of the speeches applies alon to the narrative portion of his work, where lie often sacritice the artmal eommection, and momilios the historical colom of events in the interests of his one pimary oliject. The failure of memory in an old man must aloo be taken into accomnt. The view thas lulally taken hy Weiss is mhlotantially aloo that of lowachater and others who samot aht their eves to the obvimus matks of growth and developument which are span when the ideas of the fonrth cropel are compared with those set furth in the symoptical tmatitim, annl who reconnise that the anthor of the fonmer. whomer he was, mast, whether eonsemasly or meonselonsly, to some extent have been manyint lawk inter a previnus generation the matmeel thomoht of his own time. It remains to adil that the extemal temtmony to the authorship, of the som of \%ablede is entremely weak: his name is mot armociated with the grospe until the last quarter of the ed ecntary, ind the story of the mamer in which, "exhorted ly like fellom elioriples and hishoge, be wote hown ererything in hic own mame while 'all shombl certify it, as criven in the Jluratorian Canom, $i \rightarrow$ blsionsly legendary (eompare dully).

Fur the literature of the snbject, see the New Tosta-



 Ior sanday conveniontly armanes momen writars on the
 Dobammine authurship and conmplete anthentionty of the
gozpel, such as Mford, Ellicott, Westcott, Caspari, Wieseler, and (with some rualitication) Luthardt; to this list ought to be added the nanes of Salmon, Lightfons, Ezra Nbot, and imleed of almost all English or Catholic ehurchmen who have written on the subject. (2) Writers who maintain Johamine or mediate Johannine authorship and qualitied authenticity in the first degree, the names here mentioned being those of Lücke (' whose work is still one of the undisputed classics of hiblieal criticism'), I;leek, Ewald (with some qualification), Mever, and Orr, to which add the names of beyschlag. Ritschl, L. W"ciss, and of Dr samday himself ("To me it is far more probable that [the discourses] represent only the natural, spontancons, unconscions development that the original chements of fact have undergus in the apostle's mind. It cannot, I think, be denied that [they] are to a curtain extent unauthentic, but this is rather in from and disjosition than in matter and sulistance ${ }^{\circ}$ ). (3) Writers mantaining mediate or innmediate Johannine anthorship and qualified anthenticity in the second degree, such as Penan (Tie ele Jisus, 13th ed. 186it), Weizsteker and Wittichen, to which names add those of Reuss and Hase. (4) Writers who deny the Johannime authorship and authenticity entirely-Ililgenfell, Kein, Scholten, Sir R. Hanson, J. J. Tayler; to this elass lelong also Meijboom, Inoekstra and Louan (Dutch), Havet, A. Réville, J. Réville (French), and of English writers, S. Daridson, the author of supernatural Rolition, and E. A. Abbott, whose able artiele 'Gospels' in the Encurlopedia Britunaica contains an interesting view of the Philonic clements in the gospel. There are valuable expository works on the Johamine writings by Lacke (1sel), Ewald (1e61-62), and Keuss (IST9); see Also the commentaries on the fourtl gospel by Meyer (new ed. Meyer. Weiss, Isso: Eng. trans.). Godet (Isibt (i5: Eng. trans. Isif), Keil (Insi), Westcott (ISS2),「hommer ( $1 \times 5^{2}$ ), sadler ( 1883 ) and Milligan ( 1883 ).

Johns. the name of a lomer line of popes, the number of whom is variously stated hy dillerent historians. John VIII. ( $5-2-20$ ) is styled the IX. by whut writers, whor, accepting the stomy of Jome Joan (if.v.), reckon her as duhn Vill.; and Jom XV. (985-90) is also called XVI. by those who place before him another dann who died within a few days of his eleetinn. Without enteriner into this question, it will sufliere to say that the last of the line of popes ealled Iohn is Ioln SXIII., who filled the papal char most moworthily in $1+10-15$. The following pripe of this name aplear to deserve some mectial motiee.- Ioms XII. was the son of Alberico, and eramison of the notorious Namaia, who, during the pontiforate of John X. (918-27), ruled with atmost supreme power at Rome. Joln was originally named Uetavianns, and, heing elected pope in 9-it though the violence of the dommant party when only in his nineteenth vear, was the first in the papal line to originate the since familiar practice of changer lis name. The Empera Otho in 063 in a mand of the clergy, werstephing all the orlimary rules of eamonieal procthine and legal precedent, camsed mentence of deposition for seandalons life to lue prononneed aratins John, and Jea VIII. th he elocted in his stoat. John, however, re-entered thone in the following year with a stronme lart! and drowe ont Lon: but his earem was ent fhat low a dishonourable sleath. Jons XXII. iv oue of the most celehrated of the proses of Ivimom. Ihe was horn at
 the death of ('loment V. Attempting to cary ant in very altered einemmatineres the vast amd comprehensive buliey of limeny Vil. and lameent Ill., . loln intmpured hi- anthority in the eontest for the imperial rewn letween Lomis of lavaria
 the cause of the lattor hat civen exmommanating his rianl. Thu lial of limalafort wfond to whey,

 was romenontei hy hothrt, king of Naples, Frederiek of sieily heinig the chief lealer of the (ihibel.
lines. The latter was paced ly dolm under the same han which had alrealy been proclamed arainat Louis: lat in $1: 22 \mathrm{Z}$ lomis eme to Itals in person, and having bem crowned at Midan with the iron crown, alvaned mon lime. expelled the pabal legate. aml was emoned emperer in the church of st Peters ly two lombard hishops. Immedjately on his emmation he procemed to hoh an aremblus in wheh he caused the prye, umber his orisinal name of Jamm de Cahors, to le thrice summonel to answet a charge of heres and breach of fealty : aiter which he caused him to be domed, and Patel de ('urvara, a monk. to he elected ["01e. moler the name of Nicholas $V$. Theve meanures. howeser, were attembed with little reonlt. Limis returued to fiermany, and the Cuebhiv fredominance at 1 homm was restored, the papal repermative resuming his anthority. But John XXill. never peramally ri-ited lome, having died at drimm in 1:3:4, when, although without incurring the shepicion of leromal aggrandisement, he had arcmoulated in the papal treasury the enomous sum of $1 \stackrel{4}{ }, 0 \%, 000$ thoms of gohl.
Johll. king of liggland, the youngent of the tive some of Hems 11. and bueth Eleanor, was lworn at Wxford. ©til lecember $1166^{-}$. At his dirtlo hii father. who had provided for his eller hrother, called him dum Lachbund and the mane stuck to him. Bhat the lon was Henrys darling, and he hetrothet him th his wealthy consin, Hawion of cilnaceter, made the new femblal tenants of Treland du homare to dohn as well as himself in $115 \%$ and sent him to Ireland as governor in 185. Althometh Jolm's miseonduet and wanton insolence som emmelled his recall, leary ohtained the popres coment to his hemg crownel king of Ireland: but the fammation never took place, and in 1189 the anmoncement that dohn was amoner his enemies rave the king lis death-how. Richard on his arres-inn hustowed four Euglish shires and other lamts on , Indm, and marrind hime to Hawisa. No seme of matimbe however, hed John from emdeavorine to - eize the (9own during Richards: captivity in Antria: hut he was pardoned and treated with great chemencr, and was nominated his snceesor hy lis lirathe' on his deathbed. In the 12 th century the principle of primogeniture was hut imperfectly adniteal, and althongh Arthur, the twelve-year-ohi son of Itwh's elder brother Geoffres, apears to modern ere heyom question the rightinl heir to the throme, the general orinion of hi own lay was in fasonr of John, who hat the nominatioin of the late king. Moreover, at his cormation at Westminster, which tow place on 9 oth May llot, the Hd English doctrime of dection to the cown was for the last time formally awerted, nor did any man disent. Din the continont, howerer, the harom of Anjon. Mane, and Tourane achowledeed Arthur, whose elaims were suphorted by Philit of franoe. bit Apritaine wat erpurel (1) Jhan ly the enerey of his mother Eleanm, and in May 1200 he suic. ceaded in lonsins ofl thitip, matried his niece manele to Minili- on Lomis, and rewived Arthur's hmaze for brittany. lint in the sume year he pervarlet hi- Syuitmian and Noman hisbups to annul his marriate with his comsin, amb marrion

 and the phwerfal fatmily of hat Marlue, whe of whon we luetrothel to the lasiras. In the war that moned, Arther, whilo poldabominer tor captume his eramonother Elamor, at the emothe of Mirabean, was -nruriom ly John amb taken
 dered be John: orelers, is not by the kins: own hand, ment sad. Thin erime roth dulat lif cont

him, captured city after city, and limally. in Marm
 "salucy castle, the Chateand faillam itself, John making searcely an ellort aramet him. omly a portion of Apuitaine was left to the English king. nor comblhe remer more ly the short campainnhe made in P 'riton in 1206 anml 1214.
The first lerien of John's reien thas ends with the reparation of Nomanely (1204), whill compelled those who hed lams in buth cometrien to make choice of one: henceforwand the harom of Englam are Enclish. Immediately after, in 100 . Juhn entered on his quared with the charch, the necasing being a di-pnted election th the arelihishopric of Canterbury. The mater was referred to the pope, Innocent 111. , and in 1207 he hat Stephen Langton, an Linglish cardinal at lime, a man of yreat leaminis and piety, elected, and consecrated him when John had furionsly declined to receive him. In 120 the hingdom was placed under the Interdict (!.x.). Jolm retaliated hy confiscating the proferty of the clergy who whesed the interdict, and hiving the hishops into exile. Otherwise ton, he actel vigoronsly. He compelled Wilham, king of sutlamb, who had jimed his enemies. to do him homage (1209), jut duwn a rehellion in Irelamd ( 1210 ), and suldued dewellyn, the imblembent prince of Wales (1212). Deanwhife Johm had heen shlemuly excommunicated ( 1209 ), and nus, in 1012, the pope isuld a bull delusing him from his kinglom, and abolved his sulijecto from their allegiance: a crusale was pochamed, and to Philip was introsted the execution of tha sentence. Juhn, outlawed by the church, and hatod for his ervelt: and tyrany hy his suljecto, fomm his position mutenahle, and was compelled to make abject suhmission to Rome. Un hath May 1218 he tesigned his crown to the fople's enving at bover, and agreed to hold the kinginms of England and Ireland henceforth as hefs of the papacy, and to bay a thonsand marke searly as tribute. This shameful submis-ion choses the secoml bat of John's reign. For Innocent the degrating exaction was it false step. Fom this jurtiom may he dated the hostility to the papacy which chbninated in the Reformatin.
Ihilip, wrathful and disajpminten, turned his forces arainst Flanders; hut an Enoliwh Heet suppised the French fleet at anchor and with mons the sailos on lmard, and captund 300 vesuls and bumed 100 more. This jut an end to all talk of invasion, ant in $121+$ John matle a caupaign in l'oitom. Most of the harons, howesem, retured to serse aboad, and, Phitip, having embed the emperor and his athies at lomvines (oth , Maly . Tohn
 Which wecupied all the remainder of his reim: and now for the first time in English liotory we see the haroms, derey, and fubplo rangen side ly vile aranst the tyrany of the hime. I domand that Jolm shobld keep his math and motome the laws of llemry F . was semminlly repected. . Who
 he ako towk the white crose, and endeavoured to ilatach the elerag with the heary hilue of fore elertjon to hishorics-lat vainly, to their lamonr he it said. Fropations for "ar heran on luth vigles. Dlant Einter ' ha amm of dian and lloly
 anombled at stamforal amb marched t" lamdm: they mint the king at limnymede, and on the lixh
 ( latata), tho bas of the limplish comstitution. In Sugnt the prine ammbel the chator, and the War liroke ont asian. John hat at shate of the
 Ware all on his mite, mutil the bamm callad ona
the danphin of France to the their leater. Louis lambed in Nax 12! , and Johns fortmes beeame deperate. S'et the Englinh leaders had already fremen to disurast their fureign allies, amb ammer were even proparing to renew their allegiance, when deatl owertork the kines at Newark, on 19th (W.1nher 1216, in the forty-ninth year of his aqe.

For Tohn's character, see the excellent accomats of his reisn in l'earson's Mistory of England (vol. ii. 1s67), Green's Shomer History, and Stubbs's preface to Haller of rornten (vol. ii. 1sis). See also Stubbs's Constitutional History (wol. i.), and The Earty Plantayents in 'Epochs of Hodern Ilistory ; 'Tauli, Cischichte ron Enylimel (vol. iii. 1858): and, inow to the loss of Normanjy, Norgate,

DOln II. kinu of France, sumamel the Good, the son of thilip V'. was horn in 1319 , and suceconled his father in $1 ; 3 i 0$. In 13.26 he was taken prisoner bu Folward the Black Irince at Poitiers and carried to Englamel. After the treaty of brotiony ( 1360 ) he returned home, leaving lis secomil son, the Dake of $\operatorname{dinjom}$, an howlate, lill he shombl falli! the terms of his ransom. Jut in the monatime the huke eseapel hack to France. Johm. however, chavaminly kept his worl, and retmond to lamion early in 18itit lut he died on sth April in that same ypar, withont having regained his freeflmm. His eldest son, Charles T., sueceeded him.

Jolni. the hlind king of Bohemia, the son of Gonnt ll mmy IIl. of Lnxemburg (afterwards the Fmperor Thenry Vil.), was lum on loth Angist 1296, and, having married (1310) the heiress of lhomemia, was crowned kiner of that comntry in 1311. In the strmole lietween the rival homses of Anstria amd Bavaria for the imperial crown he wained the victory for the latter at Miihlabor in lion. In $1333-3,1$ he was warring in laty on lwhati of the dincluhie party. In lisist he marrion ] Batriv of the Fremeh Gomrion honsta, amb thenceforwath was an artjee ally of the French king: he wont to his assintane against the English in listf, and fell at "rioy (2gth Aushst). Tle had heen hind sines 1340 . Inring liss reign silesia was aequired fom lobland.

## Jolnillory. See Puns.

Joln of Anstria was a natural son of the Enmprar Charles $V^{r}$. and Barhara Bombery of hati-hon, and was lom 2ttla Fehmary lis\%. He W: conly homsht to span, mad after thr death of his fither was achombledered he his half hoother Philip ll. llmomsaml an ammal allowance were
 with the brince of l'ammatad the $\operatorname{lnfant}$ Ion Firlos. He was intembed for the elnureh, lat his own hent was fomamis war, and in 1570 le reeciver the commanim of an amos sent auranst the rebel.
 ont of the comatry-sionalising hamelf at ince by
 the mated flewts of spain. the lupe, amb Veniee. hav defeatorl the Turkis in the ghame batile of
 Ibom dolm noparated hamelf from the rest. towk Thatic, ame comerised the Achembe of formines a kincalom! for himodf in the moth of Africa. IEnt Thilig, jealome of this desisn, sent him to Dilan

 he sambit lo win the favomin of the forplo lis
 low was hatel proseal fon a time, till tho ampab wif

 (inmhoms mos Willitm the Silent in 1575. Lint


 B: $1 \times t$ ©
frison. See Sir WF. Stirling Maxwell= mayniticent work, Don John of Austricu (2 wols. IXN3).

John of dinint. Lnke of laucaster, fouth son of Eilward lll., was hom 2tth Jume 1340 at diluent, during his fithers visit to libimbers. In 1359 he married Dlanche, heires of the dueliy of Laneaster, and himself was erobted hake in 1362. Three years after her death he maried in 1372 Constance, amurhter of Palro the Pruel of Castile, and assumed the title of king of ('astile, thomgh the country and crown were seizal and lield hy Henry of Trastamare. The military expeditions which John organised awamet his rival all proved nnsmecessfal. Towants the thase of his acel fathers reinn bohn wabually lneame the most influential personage in the realm. We was an ambitions man, and put himself in upposition to the party of his brother the black Princo, and is susprected of having entertained the denisn of suceeeding his father as kine. Ile ithor opposed the party of the cleres, and lent support to WI yelif and lis followers. But he was very mopolar with the common people: and during What l'ylers resolt thes hurned his balace of the Savoy, in London. 'The young king lidulard, distrusting him too, contrived to send him away on another Dxpedition for the recosery of his crown in Spain. On this oceasion John comelmbel a rlefinite peace with Hemry of Trastamare, in vintue of which John's daughter Catharine should suceme ats queen of Ca-tile. On his retum to Enchamd after three years absence he was able tor reconcile the youmg Gine to his (Jolm's) hrother Thmation Woolstock, Duke of Gloncester. Ifter this Lidelarat II. seems to have repasen more emblinhme in John, for he made him Duke of Sinitainc, amd entmaterd him with several embassies to lramm. Fint lohn of Gamet eralnally reased to lue a fictom in Dinglish pulities, and hied on 34 Fubuary 1899. Ont the leath of his second wife ho hat marion in 1306 his mistress, Catharine fwymond, ly whon he was ahremb the father of three anns amd a danghter. These were legitimatorl in 1397, and from the edest was descendiol IVemy VII.
doln of Leyden (popery John banckelszom, Benckels, or Boeklioll) wis lmon at lajolen in 1509 . The wandered ahont for sombe time as a jommeyman tailor, settled in Ligolen as merchant amb innkecper, amb was motal for lia albilities as an orator. Aclopting the upimbun of thr Amatapt tists, he beeane one of thein wambermen probets. In 1533 he came to Dimater, and, whell Wathiesen lont lis life in $15 \% 4$, hecamb him snecossor. Setting up, in Minnter "the king.onn of Kion, lie ap-


 was taken by the Biang of Jianater. Jolen and his chief accomplices sutheren shath with eirelim-
 ANABAPTLs : and llamerling Komig ron Sion.

##  <br> 

 mile W. of Mameantay llanh. and ls miles N. of Wick, was, acenrobing to tadition, an melakomal halhling with rioht foms aml wimbus and an


 the origin of the lew.omb, which randmbles that of


 ably a llollamber. An matline wh the tarf marlis


tower. "Frae Mailenkirk to John o' Groat's' ( larns) is the Seotish equivalent of 'from lian to Reershetha, Maidenkirk being Kirkmaiden it the Mull of (ialloway. For 'Jolm $u$ ' (iroat's burkies, see conry.

## Johil. I'rester. See Prester John.

John the Baptist the forermmer of Christ, was the som of the miest Zarlarias and Eliza Weth, the comsin of Mary, the mather of our Lord. He was a Nazirite from his hirth, and he prepared himself for his mision by years of selfdisciphine in the devert, until at length he appeared to startle his hearers with the preathing of repentance. The rite of haptism which he administered was a token and symbol of repentanee and forgivenes of sins, preparatory to that hatism to follow, the distinctive quality of which was to loe the wift of reseneration through the power of the Insly sirit. With the bapism of besus the more especial otlice of the foremmer eeasal, and snon after his ministry came to a elose. He hat fearlessly denomeed IJerol Antipas for takine Iterodias, his intother Philip's wife, and was aceurdingly thang into pinom, where ere loms he was executed at the request of sabne, the daurgter uf the ahandmed
 elain to be lis disciples. John the haptist was from an early late regarled in England as the patron saint of the common people, and great manomic fertivals contimue to he held on sit John's Ding, the 24 th of June. For the kinights of $S$ t Johiln, nee Hospitallers.

John's. Eve of St, one of the most joyous fertisals of Christembom during the midnle ages, celchated on midsmmmer eve. From the accomnt given of it lay Griman in his Meutsohe Mythologie it womla aplusir th have been ohspred with similar rites in every comotry of Enrope. Fires were kindled eliefly in the streets and market phaces of the towns: sometimes they were bessed by the pari-h priest, but, an a mle, they were seentar in thrir character. The romg people leaped over the flanes, in threw flowers and garlands into them, with merry shoutings, songs, and danees. In England the prople on the Eve of it John's went into the womls and broke lown hranches of trees, whicth they brought to their homes and plated on er their dums, to make guol the prophecy reonerting the bagtist, that many hombly wioe in his hirth. It was a lingering heliof uf the hrish J"easimere that the sonls of all perple on this nimht faye their lombes, and wander to their ultimate plam of death her land or sea-a notion that may thow light on the whow mead enstom of wathing or - itting $\quad$ M a wate on St John's ere In Ener land it was lolieved that if any one wat ur fating all nifith in the chareh porch he womlal see the girits of than who were to die in the larish during the onminis twelve monthe come and hook at the elumh dom in the orler and sureesim in which they were to die.

## Johns IIopkins. See Honkixs.

Johnson. Axheew, seventemth presilent of the I nited tiater, was lum at haleigh, North Carmina, Lompmer 29, 1sms. His


 while attonatimg the reselue of at frimu when Andres was hat fome vate all. It the age of

 In led haw wot to Lanrens, Soulh rambina, to Worls at a jommeman, and two yeatm later comi



was hetped on his sturlise He serwed as ablum man and then as mayor for senmal vans: in $1 \mathbf{3} 4$ towk part in framing the new state montitution; and in 143\% and tr39 was elocterlambor of the legislature. In 1 sto he was chosen pheinhmial clector-at-large, and wast his wota fur hartin Yan Rimen. In 1 sth he was elected to the state anatre. and in 1843 to conseres. Shenession rementions eontinued him a member of the Howse of himpo sentatives montil 1853 , when he was chaten gemmer of the state of Temnessep, and in 1s.i.3 has wis reclectas to that oftice. In 18.5 he was and to the thited thates senate for six pras. There he was an tramest alvaeate of the Ilmmetmad law aml other mpasures for the bemetit of working-man. He was a sturry olponent of all martaxion and dimminn sehemes.
When the war hroke out in 1861 he fonml himsulf in accord with the administration, and darines its prugress was a lealer of the smathom (nim mon. His etforts and sacrifices in helaali of the 1 nim to his selection lag Previdont Limoln as military govemor of Tenmesen ( 1 sf ) , and subemently to his nomination ambertion to the virepmendmes (inaugurated th Mareh 1s6.). Wh the a-manoination of hinenh (lth April wos) he herame preident. Ife smylt to eary mat the poliey of his predecessor. ile retaine ${ }^{\prime}$ all the fomer calomet in othere ant, when varancies surnmen, fille them with those limown to have been Limolnis personal and politieal fripuls. lint the a-sasoination hat prowked a revmiom of puhlie feelins. Many who haul farourd ammesty, leniency, and recomiliation now legan to dombt whether the stitus so nerently in rebellion conla safely lue restored tor a sham in the gavemment withoat further gnimutern. ('onEresonal sentiment divided on tha ghestion of "reemstmetion.' l'mosident olobum"s policy was firat disthsted, amd than denmuced as exincing disloyal sympathies. Imitatel at tho misemotmetion of his motives, and manting the chame of disloyalty as insultime, he retortell ly wer hes full of hitter and rinlent invection. Thir innmationd the ill-feelinge. Som a majuity of the mogus, elected with him, were ofpminne his julim. Whils ha wed the radmiswon of sonthon repreme atives (o) seats, ther condressional majority in sisted hat the sunthern states shomh ho hojn for a perion moler military wownumt, mat thes pave more promf of healty. Prexident daman wetned the compresional measmes: :und the comgress passol them neer his veta. Extra sponins wre hald to kepl him in chock, and laws pawed to limit his jower. finally, his ramsal of sumetary Stanton from the war teparment perinitatal a rivis. lle elamed the right the elathen lis fon atitutional musers' in catinet, and in remm he was chargel with violation of the "Thume of ohbe A.t, in doing so without the whamen of tha sanatis:
 was fomally lumght to trial hofome the spmate.



 Whim his sumpom was to lat anem. lioting


 states spmatr in lamary 15 on, and atain that his weat in that lonly. Whatat July of the sand yatr Lu diad from at atrale of prazaras.
 the [nituld statoc, lum in kionturky in 17.4. was almitten to thas har, and was a haminor of empross

 with :reat hatsery in thu war with hritain in

1S1:-13. In $1 \times 3-41$ he was vice-presiblont umber Van Burnm. 11* died at Frankfort, Kentucky, 10th November 1 sin .

Jolnsont. Simtet, so famons in his own day as al leviowraphay, an resayist, and a critic, and
 than for literay weasons, mather as a britlant com. verationalist and a sineere and hatuman than as a writer of the hiogliest omer, was bom at Lichifelid.
 som. a native of bohyshive, of obseme extraction, Was an ohd bomiveltar-what we oall a second hand bomkether-ithd arems to have been a presom of somo marls and inmortanef in his neiehbomilow,
 'Hu Monatates leaming all wer the diocese, wrote Jomi liower's chaplain in 17 lt , 'and sulvancetl knowlande to its just heirgh ; all the eleroy here are his p!pils, ant suck all they have trom him.' Hiv manicipal pmitim, tom, was gool. He server the oflices of junion hailit, of sherit! (the city of Lichfollel hanis then styled a (omnty), of mayor.
 liviner in Warwicksive, and seems to have been a woman of some capreity. Thus his early circum. stances were out on unfienill: to the future lexiconrapher as they are mometimes represented. In the otlar hami, he inherited from his father'a vile melamelnow, a terrihle tembancy to depression and daspair, which never wholly ceased to dominate him, aml posibly some tendency to smperstion,
 "tomeliel' for the 'kings evil, boping afllictel with smofnla. Moreoser, his father did not pove it succemfll man wi hamen, however notahb his
 bexan to lee folt. Thus in his ssicial rank, and lac baly experience of comfort followed by alversity, Fohnom's early life elosely parallels that of Shakendeare. lle was sent to a lamés nehoul, and then wothe Lichued in rammar-scluml ( $1716-26$ ), and for a while to the sclonol of Stomrlmidie: and then for two yems (15:2- 29$)$ he stmbiod or inferl at lome. All thringla lifu le was of indolent halits: but his quicknes ai apprehen-ion and his strencth of memory were amazins. Is some one sail of him, he 'tome wht the heart of books. Amo so darines his schond hass he locame a porligy of leamines.
 bookis lid move to make him sh than the lessons
 and Jr Wencinal. It last, in loe9, jmulaty thromen the assistance of his wonlfather, Ir siwinfen, he went up do lombroke Collen' ovand. Ili


 "neet of ciuring hives of which lee wan at member.
 alwity, lov lame his luverty withont romplaininer or in any way abatime hiv infopendent spirit.
 at hic dom: fair of new lumes, of whis:l lue stomi sorrely in ueten, he llaner them ont of the window. ln the your 1731 thinge grew worse and worre he loft Ucifanl fimally in Wotolnor, without a demee ;

'Vhe terrible struxfole with poverty whirh luman

 fint fur fla intomention of the royal bounty.
 lifo is ashodare lle attamptod arboolmastering, is

 for und work phssinally on in lis hathits than in fate he wate fri wat liahle to combulave state

control his tempro. "He han the phatacter, says an extant lettor concerning one of hic candinditnees, 'of being a verv langhty, jll natured gentleman; and that (sic) lie has such a way of distorting his face (which thongh he can't help), the wentlemen think it may afleet some voung lats. After a few montlas at Wirket limworth, lee relinunished at sitnation which all his life long he recollected with 'the strongest aversion and ewn a degree of horror:' Clearly he liked the jurdinogic profession as little as it likel him. He now made apponelies towarils the career to which he was ilowinal. Visitiny bimmingham in seareh of emplorment, lie began his comection with the press big jomblue. ing an! abriblged translation of Lobo's loyage to Alyssinict. Also, he wrote to ciave, the proprictor of the Gentlemuen's Magazime, then recently started, proposing to hecome a contrilontor. In 1785 , his fortmos heing at their lowest ebb, he aged twenty live, was bulil enough to mary the willow of a Bimmingham mercer, aged forty-six. She hourht him a portion of $£ 800$, jart of which seems to have heen lost by the insolvency of an attorney. The aceomints given of his 'pretty elarmer,' as he called her, are not very fascinating; hut, as lie said in after years to leanclerk, 'sir, it was a love mateh on looth siles.' And cortainly his attachment, at all events, was deep, aml tender, aml constant. once more, and no donlit with the remaimer of his wife's portion, he attempted sclmolmastering ; but it is not surprising that parents did not crowil with their offuring to the hoarding honse opened at Edial llall, near lichfied. There was now nothing for it lant to try the metropolis. In 1737, with a tragedy and twopence-halfuenny in his pocket, he came up, alons with his Ealial pmin, Garrick, to Landon, which henceforwarl was to he bis almide. Later in the year ho fetched Mrs . lohnson. It is certain he had a temible stragho to umake a living. One publisher, noticing his lorly frome, allised him to buy a porter's knot; another urave him the task of compiling a catalogne of the Flarleian Library, and him Johnson knocked lown with n folio Septnagint when he accused himi wromenflly of npegligence. He was sometimes dimertess (yoms, impulusus, is his signature to a letter to C'ave), weasionally hedless (we hemr of his walking ronnd St Jimes's Syuate with Savare all ome nirht 'for want uf a lomeriner'). alwass ill foul and shabbily dressed. lint he bore all with a splemidid courare. He neither whined about hardships lie had to "mbure, nor boasted of the fortitule with which le endured them. There is now more heroic fiemre in the history of our literaturs. Memmblile, in pite of cirminstances, he wis becming the foremust writer of lis time, and was already obtaining an influme and a power due tomething more than his writings-lue to the forer amo the nobility of his character. In 17:3s he berotho a manhar comtributor to the Gentlemenis. Merfetzime and from Nospmber 1740 to Febmatry $1 \% 43$ he wrote the Ietatom in parliament malished by Gave nomer the title uf The Semote of Lillipuet, and 'took care that the Whind doges shonlal not hate the leest of it.
on 1738 he attempted to dis with Juvand what Iope had heen doing with IJomace; he pmblished hix Lomulon, a frem between whase lines may be mat the pitemosstary of the harshexperientere he was mulergosing. if is interesting to mote that I'ap' on tirat realimis the poem promivel that its nuknown antlom shomlal sawn he eliterof and got lond Cowrr to write to at friand to here swift to ohtain obomsan a lmblin legree in oraler to lanly him to at mastership of etion it year. A
 prosel of a new Jictinnaty of the Enorlish Lancrace It was paradoxical indeed that me in

so gigantic and sn muremmerative Jint it was not anly unlertaken, lint aehievel. Inst whon this hava labour was moting completion a nobleman whose lielp at an parliar perionl wombl have bren thrice weloome cutendad towards him a patronising hame amd to this owoture Johman replied in the fammus latter of Fehmary - . lone whith for ite just inelionation, and its passion of indepembence, to say nothing of its fime puality as a piece of writins, womlil make its amthor memmable had ho no other elaim on the almiration of posterity. Dnring the years manly devoted to the Dietionary he han prolnteal alon his Tomity of II ummen IVishos, amother and ret more brilliant arlaptation of Jumemal, amb also the series of essols called The lommor, in whieh his genins showed to less alvantasto, thmerl it is frequently perceptible in the acntmess of the olservations he records. In 17-3, just after lue had conchinled The litmbler, lis wife dipl. llis grief was porfomm and endurimg. For some forty days this man wha to the woill at larou seomed, anil ofton in manner was, so raturn and sabuge, louried his face an! wrpt. "Sir," he saill mone sears after to an ohd fellow Oxomian who asket him if lat hat been marim, "I hase known what it was tos have a wife, amll lave known what it is to lome a wife. It had almost lonke my heart." Imanosh, one of the mont strikines rharacteristies of .homson, when he in seen heneath the surfacs, is the inlinite tendemess of his nature to children, to women, to powerty, and to every fomm of distress. Is Carriek put it, he han nothince of the bear lont the skin. During nearls all the Dietionary gerion am! three vears begomi it-i.e. from 1745 to $1754-h e$ was living in a lomse till stambing in (much Stuare, ofl Fleet Street. In 17.59 his mother diad; and to meet the exprenses eommeterl with her deatls he wrote Rassclus in the eveninis of a simele week. The nosel had lately arisen in our literature : and so this work took the shape of a tale. Jint Johnson lat little talent for that kin! of writino: and the value of Iousseloes lies in far other alirections. In respect of its vew of life, it has been well leseribed as but a prose edition of the V'mity of $H$ ammor IT ishes : and it has mmeh in common, thourh the diljerences also are striking, with Voltaire's Cinn. difer, which was pmbliwhed chmont exaretly at the same time. In $175{ }^{\circ}$ he again attempted the periolieal essas, adoptine The Iflow for his title. During all these sears The lummod also mok hack work. Yet, for all his ditorts, he was more than once arrested for deht.

At last he was relievel from his olpremsive and incessant pemury hy the hostowal njom him ly the crown of a wall-teserval perman of $t: 300$ at jeatr. Anel for the last twenty-two sears of lifa (1762-s4) lae lived in what was eomparative athuence, limbing himself ahle to ifeommombate in his homse in duhmon": ('ont, whither he midraterl in 176.5, and matuly to support. two lommeless friemels-viz, Mrs Willianc and Wr Lawt, as well tis his black sevant lowneis larlow : aml in his lonase in lontt court, whirl he orouphol froms $1 \% \%$ to
 Mrs Domumblins amb her damghter, and at Miss Cammislatel, to saty nothing of arcatimat waifs
 ins. "Theser strancre inmates of what ha exilhal his 'serverlis wre fat from being always hatmonions, but all thoir petulimoo emblit not weary mot his

 his back, and pattiner permates into the haunlo uf the shaceline street Irabus on his way hombe from the ehlo, that they might lawn momothing for breakfast when they awoke in tho mominis. In the Lomlon of that day he lillad an alnamt,
if mot ruite, mingor jomition. Itr was a surt ut
 his mans friemds, 'to le comblejed is it kiml of phblie vacle, whom everybuly themolt they hat at riant to visit and emmalt." In 1763 the lime humting Boswell hacamo hix pacra :aml faththal follower, and treasured 11 , with womlorfind skill endy roar that was utterel. It is mainls to his faithfal and reverent reoblection that wa nwe ont intimate knowlerfae of the prendiaritins of the creat man-his insittable tea-drinking, and low of late lowrs: his sosenliness in dress and atrange grotienlations; his physical streneth and comage ; his antipatly to Siootehmon, and love of Lombon streets: his insemsibility to mosie amol painting lis hearts ohl Toryisim, hatred of Whigs. ami homest olid fashionm patriotism: his reverence for the churels, am his sumere mionion bet strance shinking from leath; his abhorrence of all false sentimentality, aml rigin truthfulness ; hiv delight in combersation, his marrollons dexterity in retort, and his freplient bowheating of his antagonists. Even his cat llome has lemme a living person. ality to posterity from the inspired faithfulness of lis elammeler.

In 17bit the famous chnt known as thp Literary Clah was fommed, having ammoget its uriginal memhers Johnwon, lievnolde, larkis, foldsmith, lanyton, Kir Jnhn Iawkins. Irobahly in 1765 Johnson mate the acmatatance of Mr Thrale and his sprixhtly wifs, who mate a new lome for him both in Southwark and at Streatham, and in ofler was din moln to make his lifo hright and haples for the long space of more than sixteen years. With them he travilleal to Wath, to Prishton, to North Wales, to France. In 1778 Buswell persuatod him to visit Sootland am! the Hehmbes, whieh was perhaps the most striking event of his later sears. So far an his terihbe enemy melancholia permitted, he fomm life worth living and pleasint to live during this period. He delighted to fold his lers amd Tuve ont his talk; and there was no lack of appreciative and revorent listeners. bint he wrote little. To sot himself to write was always an effort ; and lee shrank from making it, llix hext thousht aml wit fonmo an ontlot in ennversation. llis Jonermy to the Hebrides and his Liecs of the I'ucte are the only works of any importance lelonoring to this time of his king-hip. Some time in Nirch VSI, he writes. 'I finisherd the Lives of the $l^{\prime}$ ats, which I wrote in my unalal way, ililatorily ami lastils, unwilling to work aml workiner witl vigomr and haste. Xeanwlile, his sucial eirele leratu to low sully invaded and broken. Gondrmith lien in lö, (iamick in 1759, Beanalerk in 17so, Nr Thate in 1751 , and levett, whmm has eommemorated in a touching porm, in $17 \mathrm{~s}^{2} \mathbf{2}$. lone a while after her hashamil's death Mrs Thrate kept up the nlal mationship, lint ly the :utnum of 17se she hal deteminerl to marry l'iozai. an

 step at length dissolver a frimodship which hat?

 less than six manthe hefome dolntan's doith. In 17s3 Jrs Williams pasod away: and for alld


 rextmt, ant was onde mond sean in his uld lammt.
 attacken! him. Ioy Nowember there was lout little lemer of hiv recoverys. All that merlical will and
 anm to shmoth lis dy imer hams was fathfully dome.


affertion, and sput a tender lissoinc to bis youne favomite Fanny Burney, who watehed wryinm at his door. 'I am afrail,' said forke one dios, 'That so many of us must be ofpressive to yom." "No, sir. it is not so, ropliad Johnson, 'aml i most the in a wretched state indeed when your compane would not lee a delight to me.' 'My dear sir, salid lhurke, with a breakiner wime, yon have heen always too groml to me, :ishe laft him for the last time. The hate-luated olohmon fared the inevitable with heroic comruse, refoninge at the last to take his opiatos, that lor might "rendio up his sonl to find unclomled." He diond on the waning of lecember 13, and le was huriml in Wpotminster Abbey near Garrick, broden, and Cowley. A momment was raised to hin in st lands.

The estimate of him as a writer is be momeans so high now as in his own diy. As awriter, it must le sibil of him that he was rather of an are than tur all time. Jlis matemt interast for ws in that he so exactly represents the current ideas of his are, sheh as they wore. In never falle exprossed himself in literature. And, evedlent as are several of his works. ar at least passages in them, we shonld nevor laze known his real greatuess but for bwwells alminable jortraiture of him, and his manterly reports of his conversations. Buwell's skill in these respects is heqond praist, and despres a better acknowlolerment than Macanlay and some other eritics have vobehsafed him. In Boswell:s pages Iohnson will live for ever, and he lepter known than anybuly that per lived. And the more he is known, the more realily will be reowe nisul the moblenecs of his matme, the virour of bix genins, and that value bf his literary serviees.

Elitions of his works have leen numberless: the best is that published at Oxford in 11 vols. in 1 w. . Si. Se the article Juswella, the Life by sir I. IIawkins (17Rit), and the editums of lioswrll's Life of Johnson by Croker, Namin. Henry Morley, and Birkbeck Hill; the E"sseys. hy Irthur Jurphy, Macanlay, and Carlyle, as well as IItacmlay's perfect hography in miniature, contributed to the Encyofopurdele Britemnere (1SEfi): also linkleck
 his culition of the Letlors (2 vols. 1s! 2 ) : Leslie Stephen's armirable Look in 'Enylish Mon of Lettars' (1Niか), and the little homb hy Col. F. (iant in "ireat Writers" (with a hidionraphy, 1ssi). Matthew Arnold edited the chief six of the Liers of the $P^{2}+t_{s}$ (1575): a goon edition of the whole is that by Mrs Sapier (1s90). See alse Madame D'Arblay's Diery and Letters, Mrs l'iozzi's Autobotrophy, atml Mrs Napure's Juhustmistua (18st)the last made up from the writings of Mrs l'iozzi, liecharil ("materland, Bishop lercy, T. Tyers, Dr Campledl, Hamah Mcire, Marlame Divblay, Rev. T. Twining, Mbuc Reynohts, Sir Joshas lequohls, and Arthur Marphy:

Dolinston, Ahbelst SHANEY, in Ameriman
 Hrahbated at West lobint in lvob, ant wromi in the
 the army of 'bexas as a private suldiar, but v゙ory
 war somptary of the rommen stato, and in l wisu drowe



 reniment, and in las le brought the Nomon ralmblian to an mat withont the employment of
 ant commanmbat in Vtah amol in the trematment of



 army in rloerk umbil finmory litie, whon lar


centrateal $n$, 0 no men, with whiel foree he attacked Grant at Shiloh before daybreak on Sumday; 6th April 1862. The National army was surphised, and the advantare in the trememonas battle that ensned lay with the Confederates when, at halfpast two, while lating a elarge, Jolinston was mortally womaled. The next day (irint's supports came ny, and the enemy, now inder leanrerrard, was driven back to Corintli. There is a life of Ginneral dohnston hy his son (New York, 1szs).

Jolnistong AlexANEER KEITH, LIJ.D., F. RA.S.E., cartographur and geographieal pmblisher, was horn near Elinburgh, December $2 \mathrm{~s}, ~ 1804$. Ili, lirst important work, the Nectionell Athes (fol.), ocemped him for live fears, and was pmblished in 18.8. Its merits received immediate recornition, and . Tolmston was appointed Geograpler Jinval for Scotlant. Leting on a surgestion from Humbollt, he visited Germany, and gathered material for his Physicul athes (1848: 91 ed. 1856). Its phblication was the sirnal for a shower of honoms from the geographical societies of Enrope. In 1850 ajpeared a very nsefnl Dintionary of (icogrotphy, hetter known as "Iblmston's liazetteer." in 1851 ho fonstrmeted the first physical erlohe, showing the grealogy, herbography, Nc. of the earth. Ilis lioyil athos of (icugraphy (1861) was one of the most leantifui and mimntely acemate at lases evir executed up till that time. Inhnston also pmblishal athases of Astronomy and (ienlogy; a Wilitory stlus for Alison's History of Emrope: besides educational atlases, physical, renoral, and dasacal, which oltained a wide circobation. He Hind loth Inly 1sil.-llis son, AlEXANDEI KEITH, hom in 184, was edneated in Edinlargh, trained as a drabdhtsman in his father's lim, innd afterwimds extented his experience in Lombon amd firmany. He tork part in an exploning experlition to laragnay in 1s-7, and in ls-9 was apprinted lealer of thar Rayal (iengraphiad Soeiety's expalition to Eant Ifrica, manly tor the parne of discoveriner a practical rmote to tho intorior. llo was sparenty a month on the way when loe fell a victim to dymontery at berolverio on the road Jutween 1)aress.Salam aml Lake Nuassa, osth
 fally completed by Mr Joseph "Phomsom. Johnstom, who was a frequent combilmon to the (iroufrophacel Moefozine, prodncend is Physical Ciragraphy (157!), wited and extemded Wellwald's Ificiof ( 18.9 ) in Stanforl's surits, and mited a sheet map of Ifriea aml lingee's forvtion (1899).
 embiment as a physietion aml still momes as a humanist, was hom of an homomathle fanily at
 4bal Colleqe and the miverity of lowha, where he erralnated M.1), dame 11, 1610. 'Thes sthe year (says Sir 'l', [ryuhart) he was 'anmeated pert at
 visited many suats of lominger on either side the Aps from liome to Ludan, in which latter he sajonrmed long with hia eompatrion . Dadrew Mel. ville, professor of bivinity in the wiversity For mamy varts he jravivel meshame in France, wherop his fame is a latin pret mprad over
 bun lames l., and aloont the stme time he was ajluinter physician to Kingr (harlen. Ilis latin rembering of the sober of Sulomom, ledibited to
 uf his tramsatiom of tha I'salmm of bivid into Latin virse. a work wh whirl her han lomer heen





Which the sholarship，tante，and jwetical power of his commemen aprear to simnal advatuge，ind to which his own contrilutions are at once the most mamerous and the best．On June 24,1637 ，he aceepted the post of rector of King＇s Collene，Aher－ deen，and enhanced the Instre of that brilliant era in the university＇s annals．His arerations an eonrt physiena，however，kep him maimy in Enstand， where his tame as man of letters and poet，as well as physician，was stealily inereasing till 1641，when he died suldenly on a visit to Oxtord．His trans－ lation of the Psams，often reprinted at home and abroad，divides with Buchanan＇s still more famous version the paln of superiority in that helis：Int his command，at onec compreluensive and relined，of Latin idiom and fhythmical movement，and his imagination，rich withent extrasagance，are ewn more conspicnons in his miscellanies，among which his prolasion on the great anatomist Casserio womh sutlice to keep him in the front rank of mondern Latin juets．See the monomraph by Principal Ceddes of Aberdeen（1s00）．

Johnston，Jines J．W．，a Scottish chemist， was lorn at Paisley in 1796．He was of hmmlle parentage，and studied at Glasfow University： Having in 1830 married a lanly of consideralile fortune，he repaired to stocklohm，and lecame the punal of Derzelius，the chemist．In 18：3 he was invited to take the realmoship，in chemistry and mineralogy in the newly estahilished university of Durham．Bat lie resided cliefly in Edinbuigh， and there carried on his imsestigations．It is as an agricultural chemist that he is ehietly known． II is Cutechism of 1 Igricelturctl Chemistry leml Geology has one throngh more than fifty editions， and has been transated into ahmost every European humbage；and his Levtures om Agrimbtural Chemistry and Geolomy（14日⿱日一 ：17th od．1594）are held in hish estem．The last of his works， Chemistry of Cummen Life（1554），has passed through sereral editions（onn edited ly Chureh in 1579）．He died at Duthan，ista september 1s55．

Johnston．Jusepit Elifileston，an American general，was bom in Virginia，别 Fehmary 1 sil． His mother was a niece of Patrick IIemry．He graduatel at West Point in $1 \times 29$ ，founthe in the Seminole war，lecane captain of encineers in 1846，servel with great gallantry in the war with Mexies，where he was wombed at Cerro fordu he received altogether ten wombls in the three wars he was engarged in－and in lo60 wan contmis： sioned quartermaster－general，with the rank of Intigalier－reneral．He resiched in lafit to enter the Conferlerate service，imb was appointed brigadiergeneral and given the command of the Army of the shenandorah：in lungot lie was matle full groneral．He cane to the ansintane of lamu－ regard at the first hattle of linll lime，but waised his claim to precedence，ambly him in anm－ manl．lo 1stiz he wain for meveral montho dis－ abled ly a womed recoived at sosen bine－，while oppoing Mcelellan．In Istis，with a weak fores， lus bailed in an enleavour to reliove Vickshang． He commanded the foree directed to＂phow shat man＇s admance towarls Athata，in lsat，amb stul． lomaly conterted his poormes：lat wis stombly driven lack，however，anf in July wa－blimata if his command．He wan ageing plated in combuant by General Lee in fobruary lobo，and ordomb 10 －＂lrive lack shemmat＇lat he hat whly at inmat of the Northerngonembls＝erengh，anil aftor it hat vigomes restance at lentomsille，in Xarhat and after leaming of heess survender，heremepted the
 afterwards ＂ngaged in radway and insmance hasi－ ness，and was dected to congress by lichmom in 18：\％．Ile was alpointed（nited States commin－
sioner of railroals ly l＇resillemt eleveland．Ina． died ？lst Mareh 1s91．Now hiv Nowrtioe of Miltery Uperations（1574），am Lives of him his Johnson（1s91）and I．M．Huches（＇Great Com－ manders＇series）．

Dohnstonce a manufactming town of henfrew． －hiree．on the blark Cart， 3 ！miles W．hys．of laisley．Fommed in 17 8 ，it contains a lange dax－mill，cotom－mills，a papherm，fommerm，and machine shops．Pop．（1831）5615；（1891）9tios．

Johnstome．Famby of，takes its smame from the lordship of Johnstonc in Amaulate， Inmfriesslite．In fommer days it was one of the most powerfal and turbalent clans of the west burders，and was at constant feud with its neith－ Imurs，espucially the Maxwelts．Three hranclues of the name still exist，Jolmstone of Amandale， Johmetone of Westerhall，an！Johnston of IIiltom and Caskieben in Aberdeenshire．The first named， whirh retained the ancient pat rimony，was emoolded by Charles I．，and beeame successively Lords John－ sone of Lachwool，Earls of Martfill，and Earls and Mirmuises of Annandale．These titles，leiner limiten to heirs－male，lnceame dormant in 1792， and more than once rival clams for their revisal ly the Anandale and Westerlabll lranches have been repelled by the Honse of Lards．Both the honses of Wenterhall and Caskiehen enjoy knightly rank，and a lranch of the former was in issl raised to the peerace as Baron Derwent．

Johnstown．（1）capital oi Fulton comuty， New York，on Cayalutta Creek， 45 miles WNW゙． of Alhany，and 6 miles $s$ ．of ciloversville by rail． It hats some mitls and large manufactorice of gloves and mittens．Dop． 5013 ．－（2）A town of lemmsy－ vania，on the Conemangh Liver，is miles E．lys． of littslung ly rail，with large iron and steel works，tanheries，and tlonr，platims，and woollen mills．Johnetown was overwhmed ly the burst ing of a reservoir on 3lst May 1ss9．1＇op＇．（1ssi） $8: 350$ ；（ 1890 ）$\because 1,805$.
Johore，an independent state at the southem extrenity of the Malay Peninsula，with an area of 11,000 si 1 m ．The country is densely covered with timber．anl rises into several montain－paks，the hifhent beinir Mount Ophir（41st feet）．The fopm－ lation mombers about 200,000 ，mostly Malays and Chinese．The former live by fishing and womb－ cuttins：the latter are tradirs and shopheepers． The elieef taplos of the combtry are tor，wamhion， and baek pepper．All kinels of fruit are plentiful． The climate is tropical hat healthy．The capital is Johure， 15 miles NVE．of Singatrere
Doisny（anc．Jocmiarome），an wh walled town in thr Prencl department of Yomat． 90 miles $1, y$ rail sl：of I＇aris，manufactures cloth，linen，anil －proting rifles．P＇ol．61s9．

## Jomery．Sec Canematio： <br> Joint－fir．see Sed－timbe．

Joints．in Anatoms，a joint or articulation maty he dofinad to le the mam of any two sembents of the sheleton of an animal bods，thmagh the intervontion of a strueture or structures of at dillisent nature．Tha teathres which enter int＂ the formation of the mare eomplex jointo an lonare
 membrane．Phne fonms the funlomental pat of
 －mplosed an the bund of nation hetwern the lang sembent：whate the thret remanins testurs Whinly werur in thase joint．in which then is free motion．The juint sary in the degree of mution
 atmonte and extent of mation that are compatible with the maintromace of the lany sergemto in twion ！ryner rehatim to each other．

Joints have leen divided ly anatomints into two great elases-the Immenoble and the Moceble. In the immovalde or Symerthroses the parts are continnons, that is to aty the bones are mited buether ly a probngation of the periontal tibrons membrane between them. In some anow the miting molimm is a plate of cartilise. There is no smonial sac intervening between the lunes. In mosiable joints the articular surface of each of the bones in coverel with cartilage, and thene eartilaginums lates are sebarated from each other lis a sonnsial ate more or less eomplete. This sate is lined hy a membrane which secrete- a viseid Huld for libricating the articular surfacem-l he synuctio or joint-ail.
In symarthoses the articmbation is sad to lee by sitture when the bones seem to srow srmewhat intu one another, and to hecome interlueked and Whetailed twacther, each lone having a pagged or serrated magin, or when there is a degree of berelling. an that one bone is oredapped hy the other. Both these limhs of suture are at onee seen in the hman skull (q.e.).

The morable juints are Amphierthroses and Durthroses. In the former there is. purtial molinity of one lwo une an athother, combined with great strength. The eontiguon- surfaces of the fones are united ly a thiek and strong layer of finno-artilage, the centre of which is manally soft, and may present a cavity lined by a syovial membrane, with which a little elantic tissne is intermixed. An examples of this kind of joint may be mentioned the articulation between the horlieof the vertebre and that hetween the two pubic bonex at what is termed the symphysis.
Diarthoses are complete joints, the articular surface being covered hartionlar cartilage and separated from each of her ly a cavity lined is symovial membrane. In thene the derree and nature of the motion are very varions. There may be merely a little glalimg motion between the ands uf the liones, as, for example, in the artienlations between the varions bones of the carphe and tarsus. (see llann, Fout). In these eases the surfacen are plame, om one is slightly concave and the other - lishaty convex : and the motion is limited in extent and lirection hy the ligaments of the joint, of by sme pojecting point of one of the lones. In some canes, imstead of a slight concavity and emmexity, whe lume presents ach-like depresion, while the lermination of the other anommes a hemi--qherital, or more or les olnhlar shape. Hence the name of bull ant sonchet that in applied to suela joints. The luse example of this variety is the Hiproint (if. . ), and the nevt beet is the shonluer. In these joints the ball is kept in apmoition with the socket ly means of what in tembed a cotasula, ligament, whith may be deacriberol as a hamed Chapedeapansion of higumphtom-structure, at tached
 -brace combering the joint, and fominer at comflete insentment of it, but mot or tirlit as materially to restrict its movements. This surectes of juint in capable of motion of all kinds.

Another important mariety of antienlation is the hing-jinint. in which the contignoms surfices are marked with chations and A.ghersions, which - wathy lit into ene hather, so an to antrict motion tu onf plane. The diow and ankle joints, and the juint of the fingers and tore, are the hat examplon thi variety. The knce-jome in a low
 it is "apalle of a slight motation. These limpre joints are alway prow with atroner lateral hagaments.
The lan kind of joint repuiring potice is that Which atmit- waly of cotator? motion. A pivet :and a riny are the - cosential part of this joint, the

party of higament. The best example of this articulation is that between the atlas (the lirst vertebra) and the odontoid or tomth-like process of the axis (the secomel yertebra). see Haxb.
Miscuses of the Joints.-In diseases of the joints we may have one or more of the following textures affected: (1) the syovial membrane; (2) the cartilage : and (3) the bones themelves. The syorial membrane may undergo either atute or chronie intlammation, giving rise to the serions attections known as acute and chronie Synositic (se sivovide Membfases). Loose sulnataner of a librons structure, and nsually resembling a mall lein in sire and shape, sometimes oeenr in joints, mpecially in the hnee joint. They commence as litule pendinlons growths upon the syovial membrane, whish after a time become detached. The cartilace may le affected in various ways. There may he ( 1 ) simple destruction of cartilage : (2) serofulons destrnetion of eartilage: (3) hylertrophy of cartilige; (4) atrophy of cartilage, and other molilied forms of diseave of this texture, all of which, expecially the secom, are of a very serious character, but not of a natme that admit. of popular explation. The mont important dineases of the anseoms struetures of the joints are (1) ulder and (2) taries. These dieeames often, but not alwass, legin with the disoramiation of cartiare, and then extend to the homes. sometimes, however, they commence in tha bones. See Axikilosis.
Restction or Excision of Juints 'is on the whole safer than amputation; less violence is done to the boody, fewer great arteries and nerves are injured, and, what is of more tonsegnence, fewer large veins are divided, and as the artienhar ent of the hone only is sawn ofl, and the medullary canal wot tonclied, there is less chance of pannia. Lathy, the patient is left with an imperfect limb, it is true, but with one which, in mant canes, is highly nseful' (Irnitt). The operation hats leen performed on the shonhler, ellow, wrist, hip, hnee. and ankle. Few suljeets have in rownt times excited more oliscussion among surfeom- than the applieation of this operation to the knee-joint. The operation was first performed in 1762: and up to the year 1830 there are records of $1!$ cases, ont of which 11 died. From 1830 to 1550 the "preatiom was never performed, and was wenerally condemmed; lout in the lant named your it wate revived hy lroferon Ferghan, and is binw a frepluent and most valuabe operation. "The cases, says Dr bruitt, in which it ought to be periomed are, crenerally speaking, such cases of injuty or divease is would otherwise be submitted to itmputation. The ublyet of the operation is to bumber a firm and weful limh, slightly shortened, and with entise lomy mion, or filrons mion idmitting of some maild depree of motion at the situation of the joint. But all cases are mot suitahbormexison: and thone coses are un-uitahle ambletter alapted for ampuation in which either the quantaty of the linested bone is very great. of the quelity of the diseme mat be such as "xperience has slow to be inempatille with the exadation of healthy material of repair.' In at leant $\overline{50}$ per 'ent. of canes the "protion result- in a wool morful leg. It hats already saved so many Timbes that it mant be regarled th one of the ereatast trimmpor of fockern surgery. Further information on this onlojert may tw fomind in llohntens sigstrin of siorgory, on in any surgical text-hom a.g. Erimenens.
Joints. in deenory are the natural divisionflane or erach- ly blich mekn of all kinds ate traversal. lowns, althom very frequently inerg. Hat, yet have at tembeney to run across rocks in certain directims. Thuis, in ordinary bedded aphems rocks (sambtone, shale, limestone) they

angles to the bedding. so that, if the strata be horizontal, the leadine jaints will be vertical or atproximately so. liwo seth of theme joints are manally recognisalle (mustergointo), whel fort each other at or nearly at right anglem. Hence aqueons rocks, by means of joint, and origimal bedoling-panes, are divided into harger or smatler enboidal blacks. In mawive crystallint rock-, such as granite, joints are rarely so degulatr. let even in these two setw of joints, erowing each other, ean often le traced : and measionally another horizontal set may be present-these hast simulatiner the bedding-planes of aymeons strata. Were it not for the presence of such natural divism-plates, it is obvious that fuarrying would be a much more diflicult operation. i peculiar kind of jointing is met with in ectain crystallin* igneon- rocks, ats in some fine graimed basialts, in Which the division-planes separate the rock into polyonal or more or less ferfeet hexamonal prisms or columns (nee bishlt ). Joints have been formed in varime ways. Many are dunbtles due to the strain and terision to which roeks have been whb. jected during movements of the crust. Others frobably owe their origin to contraction on cooling: the prismatic joints of basalt being -fisoures of retreat." And, in like manner, it seems likets enourh that sedimentary strata may sometimes have become jointed durine their sradual drying and consolidation.

## Joint-stock Company. Ste Compsiny

Jointure, in Englihh law, meant originally an entate settled on hashand and wife jointly for their lives. Such settlements were male as is substitute for dower, which is that portion of property to which, on her hus bands death, the wilow is entitled for the maintenance of lieself and children-one-third and upwards of the estate for life. The term jointure now includen an estate limited th the wife. The requisites of a jointure are: (1) That it mast commence and take etfert immediately on the hosbud's death; (2) it must be for the wife', life, at leant: (3) it must be given to the wife herself, and not merely to trustees fur her: (4) it must be expresed to be made in sati. faction of her whole dower: (a) it munt he maile lefore marriage. The mode of giving a jointure in mathem marriare settlements is usually hy way of a rent-charge on the husband's real estate. If a jointure lie created out of an e-tate hefore marrity the husband cannot sell the e-tate afturwarls, so its to deferat the juintore. A juinture is not lint ly the treanm or felony of the lathand, wor bey the clopement and alultery of the wife

In scothon the word jninture i a abo frequenty usel in a similar sense to denote a converntimat provicion for a wilow, consitimy either of an annuity to her or of a liferent a-ignation of rents, or of a liferent of lanlo. called a lucality. In whaterer way the jointure is comotitutal it abor exclute the willows terce, mulen it is utherwise expresed.

Joinville, a small town of 4 H月 inhabitants in the Frencl lipartment of Hante. ${ }^{2}$ arne, $\because=2$ mile N. of 'hammont by rail, which wan formed into a mincipality by Henry IL, and later - mblimel the title the the third an of Louis lhilipe.

Joillville, Jeax, Stoe we, the himghther of St bonis of France, was horn in 1924, and wotan sencehal to Thiband, Count of Champaym ant king ui Navarre. He took part in the mantunth
 (0) Fraues, and lived thereafter purtly at whart, parth on his estates. He derlinet tio ain tha fatal experdition (1) Tuni-, aml sarvivent till duly 11, 1317. Durine him stay at dere in 120, at the are of twentysix, he oceapital his leiaure in cam.
powing a manual of the Chritian fath hin (Todo Which he retmehed thirty sementerat later: atal there is extant a letter lie wrot" to Lomin $X$. at
 took notes of events and wrote down his inpure sons. It the age of almost cighty at the whanaty of Jeame de Champarat, wife of Philig la Bol, he umbertomk his Sic de Suint Lous, which herinimbul
 $1: 309$ to her son (afterwark Loni- X.). Ilae comrlmbing fortion of the book hears tane of anility; nothing, on the other hand, is mure clear, animatem, and real than the prart relating to the crasade. Thus the book is obrionsly is collection of piesto compused at different times. Joinville is in excellent example of the best type of 13 thomenty cavalier, with all his admiralle qualition ats well as all his limitations and detects: he is have, pions. candid, devod to his king while strictly maintaining acainst him his fendal riflts, enomerate
 privileres: but, on the other ham. his intallisence wemerally stopes short at detail and camon drayoneral canses : he relates unskifinl military mura tims withont critici-ing on almarently eral molerstanding them ; he apmoves intolerane in St Lonis, and falls into woefal pherilitios in harration. Ifis style conforms chaely to his chatarter: it iveracions, thowing, nave, iften singhaty wime ive, lut it has neither the elorance of the that provewriters of the midde ares nur the vigur amb soldity of Villedmondin: it is the tome of an amiable and faniliar talker, who shotimes furgets himself a little in hix reminixemeno lat never fails to charm. The book has the mu monsmmate merit of smpathrically raininer up ehar hefore our eves the brething imige of a monantie figure over whon already there hane the Andow of a tragic dentiny.

Cinfurtunately the text has only come down to us in later MSS. in which the language has heen modernised; hut the methadical study of competent editors has at length re-tored with ahnust complete security huth the substance and the form of the book-une of the mast precions befluests of the middle ages. huming its place in tine between Villelardonin and Fronsart. Ther beat edition is that of N. Ue Wailly ( $15^{-5}$ ). Sete Molet, Etmens sur la Vie et les Trmenue de Jean de Jommelle (15:0).

## Joists. See liloor.

Jokiai, Mat litce, Hangarian novelint, Was ham an 1!th Fehruars 1805 at Komom. He qualition himself for an abluate, hut never pactiend: litemture ant joumalism were nume to his tave. Jla.


 omment. . Ifter laty he devoted himali explanims


 valuahle are thr novels and rolnandon, of whith





 (1s.7), The Whet S"umen bi Lentsehollish), amb

 "nlamed by a liwh inagination, hamana athe :t - momplete grazo of 11 nuraman lif. Hin wobls is



 of the rewolntimary welly. P'eture ot Lefig then of the palitical daily Futherleme, athy lathly of the
lumonous weekly The Coumt（1心．が－si），aml the gosemment mqail Vemzet（＂The Nation＂）．Ile is it pominent member of the llomse of liepreacotia－ tiben，being one of the deverest debaters of the barty of the hineral povermathent．

Dokjakartan a rewitence of Java，in the central part of the i－land，has an area of 119159 m．m．and a p＂pmlatim of alront hatf a milliom，neatly all

 sultan＇s palare and mins of ancicut temples．

Dolibat．大re Numer．
Walidt．＂apital ui Will comnty，lllimois，is on Des
 it wator－pumal in inductsed hy a canal fomm Lake Michisan．It is lhar site of the state penitentiary，
 wire，sones，tomsls，lumts and slowes，paper，tiles，
 at lallet，：wat at contifeld in the neighbomblad．


Jolly－boat（Juteh julle，＇yawl＇）．See Imat．

 and ly a ．Miscre＇ré atul al liépudm．

Jonnini．IlexRi，b．anow，lurn bith Mareh 1799 at l＇alyma，in the cantom uf Vand，hersan lis military career in the fiwiss daturs at Versalles， and linilly rose to he chief of the statl to Mamshal Nioy；lue was created haron after the peace of Thisit．In lsothe attracted the motice of Xilmben In lis Troite des Vimmeles opmintions Dilhaires． He diatinguinhed hinmelf at Jena，in the sbamish campaigns of 1 sos and succecoling yeats，duriner the retreat from linssial，amb at Lietzen and
 recrivenl from Niapoltan，he enteren the senvice of
 the wirl lansia warel against＇lorker，paticolarly in the coaptare of Vomat．Ilis fane in a military witer reats upm Mistmire Cretique et Milituriee eles （＇ienyneyurs de hif homolution（ 5 rols．1806），I＇ie Pentimue＇t Milituire de Supmoten（ 4 vols．Is：3），
 Fimon domini dial at latiny，near labis，ath
 Sunte－beube，in Vumrentu Lamdis，bul．xiii．

Donath．＇The lamk of Jmath，malike the other eleven of the sergion of the minur prophots in which
 tive，amblons non in any sense datan to lave been wiftem bev the mophet whome name it heatio．It




 of fomah，the smo al Amittai，who is mentionod in



 in I－ibah，xw，xvi．，imel－poken of he that pophet
 uted to Jobath lig llit／ag，hut bin somewhat








又

eanorl to grow．Nowhere in the Old Testament is that bartiendarisn， 10 which the dew：were ever prone，more clealy on emphatially rebuked．Is for the eatier bart of the stomy its explanation is to be sought in the often recurning Old Testa． ment ligures in which the great world－powers are likemed to sea－momstars or hramoms（see，for example， Jem．li．44），and leliverance from any overwlelnang calanity is＇fobken of as a lninging lack from the lophts of the sea（1＇s．Ixviii．20［2： 3 ）．At the time when the book of Jonath was written，the dews，whathat returned from tha lbalymian exile full of briorht lopes as to a near amb glorions future， had beconte quernlonsly aware of the failure of these．The object of the writer seems to have luan to suggest to them that their existing tronhles．in which they semmed as it were tu he swallowed up by the world－powers which ofpressed then，were dine to their negrlect of the missionary vocation which hat hem urged upon Sariel lig the later proplats（see esprecially Ixat．Nl．－lswi．）；once Isam！ in penitence and prayey shall have shown that sha has agam lecome alive to this duty，slie may hope to experience the fullilment of the pophets words （Ilos．vi．2）：＇After two days he will revive us： on the thind day le will raise us np．＂The prayer of Jomali，whether a composition of the antlor of the rest of the hooli ur not，certainly eannot be carried hack to a date nearly so early as the Sth fentury B．c．；it is largely a cento from older com－ prositions，the metaphus in verses $3-6$ being common in all perionds of llehrew pretry．See the eom－ mentaries on the minn proplots mentimed under Ilıses；also líahuev（1839），Jigel（1si0），and Fi．Bergmann（Strash，18s5）．

Donas．JuSTV＇s（ $1493-1555$ ），a lecher of Lather＇s in the work of reformation aml tranalation of that Bihle，was profensor it Wittenbery，pastor at Ilable am Cohbrg，and superintembent at Eisfelel． We took part with Lather in many of the prost events of the Reformation，as at．Womms，Marhurg， and Angshare．There is a monomranh on lim ly I＇ressel（1863）．

Sonathath．Bnother，comespmaling to the Enmish John lanh，is the personitieation of the Thitel states，experially of its native bom citizens． The original of the natue is suphered to be thas． than＇rambull（1710－8．5），governor of Commertient whose shreswlness，stamneh patriotisin，and un－ falteriner zat gainel him the wotem and friomalip of Washingtom；and the laters flater whan per：
 passed into a prowerb．

Donds．EnENEZER，fuet，was lurn at Islington， ooth Immary 1820．Ife was boupht ！p in the atribust seet of the Calvinists，lint at thirtown was
 loy movels．In 1837 low was fonded by lis fathors long illuess to turn blark in a f＇ity warehonse：his honrs were tight tu cinht aix hays a werp．Sot lie phblished his St ulies of Somsulum wnd Event（ $151: 3$ ）．
 andmired by such ports as limwniner and lionsett． Bat the world rejuetrel them，and he published no morn，save i promplet on tho Latul Montombly （ 1 s 49 ），which antiojpaten！llary（ientre ly thirty varas in proprsing ta mationatisa the lame．A
 pulitios，as of chelloy in funtry．lu lital he
 ：and he died at Eirontworl，fith Siptember latio．


 self）：and $\mathrm{W}^{\circ}$ ．． ．Linton protixal to a reprint of the Studiess（1500）．

dolles. ERAEst, Chatiot pet, was the am of Major dones, equerty to the boke of Combrlimel, afterwath hing of Hamover, fle was botn at

 monanes. The If inol semit, wat called to the bat of the Midale Tomple in l-4t, and the year follow ins: leverme the mant prominnt leaber of the Chartist movement. He devinem all momumation for lis nervices, and isoned The Luhumor, Wrates of the l'eoplt, and the 'hartint ongan, The l'ouple's
 tobor jer amma, left the him on comblition that he shomblabalon the Chation camse. For the part which hor tow in the Chartist proeerding at Mint whester in lsts he was condemmed to two surs solitary eonfmement. 'This vimbetive sentence was lomatht before the llane of Commons, hat dones reflion to jetition for its commatation. Whila in prison he compsial an equc pelo. Tha herealt af Hindosta. The authoritien refnam him pen, ink, amb paper, and the prem wan stated to have lex+1 writed on the leaves of his payer-hook with a hird teather and homb drawn from his own sems. Diter his releawe Jomes wrote The buthe de:! (1-9.5): The Puinter af Fhotuer and The
 Cormphe (196i). De tried for a seat in parliament, but win deforated at Hidifas (10th) athl Noting


 wats at that in lmancos. Only formel the Corur was poduced in lsis, lat his tirst hit was The

 Ridelliuns s'esern, The Tonnuphe of the Philistiurs. The Leites ( 19.9 ), The Plequition, ( 1597 ), de.

Jomes. Jyigo, an linglinh arehitect, wan the
 15 hh duly 15:3. A noldeman sent him to Italy to -tuly l:umb:aperainting hut ho was lrawn to study :urditecture intent. While in Venice he bail particular attention to the work of Patladio, when style he intrulured intu Enuland. whane la
 leavine Italy he went tu l bematrla he initation of Chintian IV., and the he iv satl lys sme to have deximet the roval palaces of lominkore and
 was emplayed ly danes I. in arranging the secners, Se. For the matigues of ben Jomson, whith were it that time the dhef ammanment of the emort. Jomon afterwath satirised his fellow-haloumer hather Tomere Finir. In 1612 domes revixitell Italy, still further to immene lis style, and on hin wom to
 royal lmidines. Ile: was at this fime icocometed the fint arwhitwot of Enghand, :and, wombine to
 His materpiow in comideral to be the bimpuefin.
 Another reprenemtave sumimin of his work in the chareh of St fand, in Cowent Cathen, Lambm.
seo Wadpule's Amedntes of Pechtum (1halliway's ed. (sen) for the huithas deeigned by him; hin lafa by
 tecture: and W. J. Loftre, Inigu Jones ond I'rai lasa).


 hat curly develonald a tasto for Wirlsh purtry. In





 WWEX Jones, hom in lang, mate himalf a manme

 travelled for fomr years in mathern Linome ath
 mints (1842), Ihoms, E:loctions. , Notions. "unl

 intoment of works for the Landm Exhilition of 1sit, aml afterwats director of acenatime for the Grstal lablare, where he deximed the dowation of the Ahamina, Egyptian, freek, and limman comes, aml wrote guide. bondes to the first two. In 1s.3 he published I'rinciples regulutiny the limpleat-
 still a raluable text-luoks; in 1stit, (1ne Thnestent emd our Inteinl Icetters - anll in 1967, Éramplos of Chinese finmement. He also illustratell sereral book. He died in Limion, 19th April 1st.

Jonfes. I'all, Coited States maval .ommander, he hix conntrymen styled "the lirates wan henn in Kirkloan parish on the conat of Kirkendmightshime, 6h oluly 1747. the tifth and yomgest chilis of doln Fanl, head-gadener to Mr Craik of Arhanlamp. Aprenticed at twelve ats sithor-loy to a Whitchasen merchant, he mate seseral byage to America, where he had an dher henthereittied in Viminia. This bother's poperty he inderitend in 17,3 , lasing meanwhile for five sears been mate on at sher ; and abont the same date lue changed his name dohn l'and for that mulder which he in fanmus. He embraced the came of the Amerimu rolonics: and when conaress in 175 J reolved to fit ont a naval force he ottered his servies. In April hass, visiting the British enast in thig of mightem ghme, he pertormed some mot daring exphits, imb
 of his hoyhnom to make a hastile descent on the shores of the sulway Firth. It Whitehaven hee liral one ship and spiked thirty ix whe ; from st Marys l-ke le caried ofl' Lomd Selkirk's pate, lint six sears hater re-toreal it ; and next momind in Bidfast homgh he captured the Drate sompor-war - 1 he lime naval surcess of the Americans. 'Thas year after, ac commomore of a small Fremen spant. rom dipplaying the stats and stripen, he theathon Leith, and on $23 d$ september fousht elone oft limu-
 ment, in which lee captured two biti-l mentof wat.
 of Wilitary Merit, and consress roted him an and medal. In liss he entered tha service of that Empress Catharine, and as rear-ahmiral of the biank seathect nerved creditathy in Ho war agamet Turkey; lut a twelvemonth litur he quitted the
 his funcral becing attembed he at in patation of tha
 Langhtom, "is man of bistingui-herd talent and origimality; a thorouch semman, ams of the mont
 hamb, his vanity was excenive . . . amblin momal "haracter may lie smmmed ul in one worl-detent. able.





Jomen. Sif Whatim, on of the earliest bing

 a leameal mathemativian and frimol oi xontem H10 had his erforeliner at lharow moder 'Tharloraty aml summer, and atered loiversity (onlow, Oxforl, in 1764, where his remakatha altain-



 wis almointed (ommisaionv of lembinuls. In
 Wemmark, at bifo of Vmbir Shom, tramelated intol





 Cobut of Judicature in Jeneral, and was linighterl. With anamomistie ambor he at onep devoted himmelf whe the of of smarit with a view to
 Ile stahliviel the lioyal Aiatic suejety, for inreationtine the hiotory, andiphities, arts, scimens, and litarature of Asia, and was its firat preailent.


 In palblinlow at translation of the Grimances of Wamu, a jrematory task for the greater work. sum after he was attacked with an inflammation of the liver, which carrien lim off on the ath
 momamont to his memory in St Panl: ('athedral. and a statue in bengal. A comected edition of his works was publi-hed by Lome Teigmmonth in six quatu fohmmes in latiof two sulphomentary folnmos followerl in 1 soll $:$ and a Life in lsolt. The impulat that Kir William Jomes gave to the athly of San-lit literature was far more important than the performance hic short amd hasy lifos emahbed him to efleet. Fle was imbed a leamod arbular, hut his schulumbip, was of the preserentitic.
 noble and gemomas elmander amd his ambent
 to pramone leaming, bite to elevate the elaracter of the seholar.
 coletome from the lat. jumblater), itnonme 'I'res. vencals and nortloen Frambmen, a dass of minstrels during the midhle ages who satme amb often composel prems, sthas, ant filblians, and Who frempented conrts, tommaments, castlex, and towns for that parposes. They mate at rathe of somar, potry, ithd -thy-telling, aum often of jestinir and buthonery, and ate tistimet from the knishty
 often for their sumat gitt retained in thes servere of partionlat horls, and we timb them alson named indillerently momestrols of memestrits. Two of
 Lambin, fommerl the rharell of st Julion in $1: 331$.
 103.3).

Dinkibpinac. : town of Siwelem, eapital of the
 forle in lss





 aml Jhonmarly in 1 sog.

 ( $1 \cdot x$ ) with moh-like leaves. The 'ommon Fompuil ( $\therefore$. Ionm"illo ), at native of the somth of Vinroper, is
 ond tharg horders. It hats forn two lo six pollow tlowers at the mambit of its seape (lathessintem). The siweet serated Inmquil ( $\sqrt{ }$. whorus), aloo at
 very gemerally maltivated. lemfumed waters are mate form Jompuil flowns,

Jonsoll. HEN, fhmmatist, was horn at Wiostminster almut lisa, a montlo after the leath of his father, who was a minister. His grampather was of Ammatiale (prohathly a momber of one of the
 minster Sebon] under Wilhinn Cimalen, whom he lowd in the highest venoration. H10 is asid! to have spont somo time at ('ambridige, lat ereainly did
 motber was remarried on at mater-hrioliayer : amd for a while lian followerd the cratt of hiv slopfather. AS he 'rould wot embure the rompation' (nee lis ('anrersutioms with Ililliem brmomomi of Hurthemmion) lee went wht to selve as a sublior in the low l'mantries, where he olistinernished himself by lilling one of the enemy in sumbe combat "in the fitee of both the ealupers. Niter at short stay alomat he returned amb "hetook himself to his
 and had chihdren, whon he smoverd. Amoner his lurems atre two tomber rlegies on the dath of lis eldest wom amb efolost danghter. Aemoliner to his own aceonnt his wife was 'at shew, yot homest.' Gn owe obeasom le stayed tive years away from hor. as the ghest of Lamel Anbigns:

We firs latar of donmons commection with the
 for smate time pevionsly both as an aterom and dramatist. In hogs he is mentiond low Meres as

 wher phaywights-Inrter, 'hethe, Dekker, de, The hat a narrow entipe in 150 from the gillows.
 rhallemgerl him to a dued in the fichla at shomediteh.

 hambliner in the thmole of the left hame ame the
 tions witl Nillian Jrammond (y.v.), whom he
 that the hamed was bot of his sechinge lat that he -hand bern aprested to the lichan, athling that the


 ched, to which he iullared for the spowe of twelve boak. 'lobe fitet that lac wats hambed is a recent 'limavery, matu by Jr Com! deallmam in the
 linlls.
 'There is it tranlition that shakespath proeured
 that Nhatiengert himatli peramated we of the

 tames lo thre characters, athl shifted the serne to Lambon. Eivery Went in his Mummen is the only
 dines. It is lighter atm handor than the mathorate

 wht of his Jumour ( liser), it sumblat torlions phey, whinh wats follomed bs The l'ase is. Ilfored
 ( 10101 ). In the belat flay bomam made at violent attack on buhbur athl diaston, illn was in comee-

 Hey worked turatlare um Eiestmurel Jo, in company
 mavteat to Jomson in hambome terms. Bint the
 comstrueted lat frigid trigedy, wish produced in

1603: and Folpome, wo the Fine, at lexterously inornion= but uncomfortally exnieal ramedy, in
 a farcial mirth-powhing piece, lryaten wherwol, -I prefer it lofore all sther phas, I think ju-tly, an I for it anthor, in jumpment, ahose all other
 and most masterly of . Tamennts writimes. the mayr nitieent extravarince of sir Kiphorn Vammon heiner depicted with keenest -pirit amb ineshanstihne learningr Geteline ( 1611 ) is a companion
 ofl the humours of the ohd Lanhom iestival with the liveliest gensto. and in the fremon of Zeal-aithe Land buy givew a capital betch ui a cantine Puritan elher: "The bocil is un - Ins (1616) and The staple of bears ( 1 tiob) ate ni -maller aceonat. The Ven $\operatorname{In}(1629-30)$ wat not ancessital on the stace (av domon reeords in a fanmon onle): it has an inprobalale phot, hat contains wase of the poet's most elopuent writing. The latent comerlie were The -romumtio Lotely (1632) and - T Tele of "Tub (1635). I lelightinl pantoral play, The seel shephem, was leit manimbel.

Ben donson's maspues are of singular beanty. He was one of the mont leamed men of hio acre. and he lavished all the -tores uf his knowledre on thene entertamments: but hin onirfatiness of fancy and fertility of invention matched his learning, and his masqums are monels of elecance
 June-, with whom lae fieduantly platrellod. "there
 shaces of their masipue-: bat. Jumson insisted that the poetry was the main thinw. and that the mechanichans at waw of minu importance. Jones finally meceeted (162?) in unstins . Jon-on from cont favonr.

In adelition to the maspume dunnon wrote mamb elenies, epistles. lowednems, digrans, anmeptaplas. The fanon- epitapla on the ' ounters of lembroke, berimning ' C'memeath this rible hearse, is most happily turned: and another on Salathiel Favy is larilly inferior. As at shewriter he hat few epuals. Oi his sunes the mant pmpalar is" Drink tus me only with thine evers: ' lont the Hymm to Diana in C'yntheris livels, still to lue nett, still to he dreet" in The silent llemenn, and many of the songs scattered up and duwn the masigues are equally charming. Nome knew hetter than ben Jonsmin how to write complimontimy froms: the hest is jurhaps the enimpan tor the ('anntess of betiond. This mornime, tiancly rath with honly
 "peare": work he pretixed atohbt memorial prem. llis prome Disenertes are di-timraivled has almirable jodgnent aml matlectenl lonity uf alietm.

When lie was in his fortouistly year he sube with humorous complaten'y of his 'mountain belly" aml 'roeky fuce, lint lunlily intirmition cance in later vears. Towarls the ioml of lows lue was attacked ly the joiks. athe afterwame has fropse For the liat two or then fertre of his life lie was unaho to leave hiv roms. Hi, - Itlior ing were intersition hy powery: hut hat fanmal patrons in Kinge ('haten and tho liarl (atfonwank
 and was burien at Weatminatrer - Hharg. I anllo. tion of prems th his manory, ha mont of the


 la* hat been liheral in hiv praine of otheran morith.
 anl allection The lah wer hio grave heare tho

 cleared away tha: hatelem callamote hy whith his


 S゙winlmane, I studel of Ben Jonson (1stor).
Joplit. see diffa.

 St Lake ornila in lifo. Jle rank noxt ta linhons anomst Flemish painters in the departurats thes luthe rultivatel. Jordaness stye is markorl hy realistic fidelity and vigunl of burtrature, atml his enlonting is renerally gond; lint he is -anmetinte coane amb inclequnt. The excelled in lommorivic pheres dephetinor Flemish lifes and patinted alon orriptural and mythological subjeets. De died at - Intwrer lsth (etoher 16:

Dordall ("descending") the principal river of Paldetime, the lied of whicla forms at errat valley stretehing from north to smath, in the eatern piat of the eomotry. It is formed by the junetion of three -treanms. The hioflest sommee of the domban i- the Hanhang. whieln rines near the Wrase town of llas-
 anothery spriner unt the whth sille of the sambe homentain at banian ( 'anean or ('asarea lhalipui' and the Leddan at IBan. The Ioman Hows-amth. and after a comore bit a little ofere 100 milen. haviner pasatal throngh the small Hnleht lake (The Waterwi Xeroms) and the Lake uf Tilmaia seat of (ralilece, tiog teet helow the Mediterraman, it falls into the northem estremity ui the Iboud stat (y.s.) loge feet helow the Xediterranean. Besiln - -maller
 and Waty Kelt from the west, the Hieromas and Jabibek from the east. Mriregn estmates the Jordan to have 200 miles of chamel frmm the Hasheivit -ource to the Dead sea. Thr sobree is 1-90 feet above the Meditermear, making a total fall when it reacles the Inarl heat of 3 (11n) feet. The hembit the river varie- maeh in hrealth, from 30 to 50 yards, Hows latterly in a sumben doanmel, and its hanks of white marl are in wome Hitee Hat, in other-steep: in the north party mompral las tiands of harler, hat barren below dindidn. There are numand of forty forts, hut the two at Itericho are impa-able when the rivel is in Homl. The enurne of tha Lower Jomdan was rxploned la Lient. temant Dolymens in 1857, hy livatomant lymeh in luts: the [puer ondan for the firot time hy

 Waterforl in liter, the dangliter of an ateploss and one Ibland. Whane father afterwath houl bite
 unter tha mame of Dian Framers at lolahe in As Vene Like It, hat soon frecame popmlat in monpi-h

 nhtaimal inn enzagenent from T'itte Willinann, of


 names to lipe : the " Nin was aldod tor seemet at
 condition ly an anout whon was atickler for the
 Latme in The Cimutr"l liot in lletuher $1: 5.5$ junt

 formarly empty on the nights when Mra Sinhame



 proformathe of whill Lathio. lond atter. watr with
 (in whicla har meturry now elifelly lives) in her
 theless, for mearly thity yare, it was in the ralde

 hervine sha was les streesofil. its her womberinl vobre low it frewhes and wwothes. la lato *obmmenceal hor fommethon with the [hla, of ' larenme afterwath Willian IV., which embumb amil lsll. 'That ste was taitholl tor him this time. in spite uf her vomblaf follines. thare is 10
 phated froedy at his servien. As mome return be was warmly attached 10 har, and eamsad all whon




 monts that followal. It anyrate, atier flayinar in Lambon and in the powinces nutil lslt, she was




 and died there friembese and alone. Bol haly 181t. In L心:


 the Life h linaden ( 2 vols. 1s3l) , and Tomp/e lum ( Wetoher 1575).

Jormandes. better Jomirsxts, histmian of the Ginths, was ly liortl a lioth, or of louth . Nan am! Gothir dearome, aml thmiahed in the mildle of

 momk. lle whote twor histuiteal wonk in Latin
 pention of hiatury fiom the creation to Sind . A. Io.

 which is hased on the earlior work (now lost) of
 sumbe of infomation alouat marla emmerted with the (andsand other harlanian tribes. The work is, howeror. a mege momplatim, and has many in-
 limbor in llaratori, lior. Iful. simpt. vol. i., and in Gimins, Mst. Tiothemom, Ne. (lisis).

Jortin, dubs, miserllamoms writer, was the son of at llognemot refucree, amd was lurn in







 fublixhol a volinme of meritarimas Lating perms.





 him non (2 wols. F:10) .









nomernon fo whieh the monple wive the mane of molfuri/s: it hass an elevation of 40 fowt alwe the rest of the phan, athl in entrex. riving in the centre
 is covered with lmaturiant verutition from base to - 1 momit.

## Josiphat. See B.ahinime


 Lateled, and his father"s favomite amome all his
 Where, after he had embind ingrimomment in ean serfence of the ealummions charese of the wife of lis ma-2m Protiphat, his moluct and skill in the interpetation of meams brourht him the exerial itrour of l'haraoh amd the firat plate in flae hinge donn. $\quad$ lis proment foresight emabled him tor stave
 the power of the throne, and anm lan laml the statitication to tind his hoothers at his foret, drivelt Anwa into Eary for lack of hatul. The story is thld in full olatal in Gemeso, hom at last he minte

 phomes them atom therir arrival in the lame of

 carriod with than his lomom to lar biried in Shechem in the inheritance of hix an Efymim.
 omd repmited father of derns, al caprenter at Nasia-



 ception is fomme in hoth diatherw and Lake, ambly
 Later hitus developied the ibea of the jerpetaral
 toetor and morely moninal has band, piving him
 furmar wife at the time of his formal ratumat of


 quoted ly Grigen, amd mentioned live Clement of

 Arabice in thonght ly "Tisehemonf to hawe lowen miximally written in coptic. . Joveph atperam latot in the gompl history when dean in twelw rears whl (lake, ii. 4i ) : he is naser mentioned hatnig his
 dead. "The controwers alomet the " low hatern of the

 'The main fats relaterl of thom ins seriphare itseli ate their mandiaf daring the lifotime of the lard,

 Mars. 'l'he two opinion- that pevailal matil the time of St Jarome ahout the elone of tho the century



 and the later fiaed writar-: (2) that they were
 Toptullian, Invidins, liomons, and the lemetient


 Helvinlins, mathtaming that they wore coumins




whiters. lint an binhop lightfont puint- ont in the
 to hic Commentary on the Epistlo to the C Batatians


 the Welvidian theory is that Teme on ther rom


 la liblimal naage, aml that it sulpomes two if not there of the moreliming. Lamd harethen to be in the mamber of the 'lwelve. Lightfont favome the Epiphanian as travernar less arions ropiptamal dithicultirs, and moro in iceordance with ehristian traslitiom.


 the determination of hi- collerasmen to hime ahomt
 self a diceigho from motives of fear. bint the rantrage of his eondidions came to hims it the momant of the ambeifiom, and on the aroning of that lay I 1 w wot lmbly to l'ilate and lawemb the
 renk-hewn tumb. Sn ancopnt trantion maker him
 and -ettle at iliantombury (リ.v.).
(4) Josema, called Farablia and smmammal Inthes one of ila two percons chosen as worthy to fill the vacant place ui dulas amome the Twelse
 hat heen miraunlandy preserved hey the Lard from


Joseph J.a emburor nit birmany the elnent
 wav crowner] kiny of IImgary in lis! , ant kin!s of the Lioman- in lino, became empherer in 170.\% and alital on lith toril 1711. Hoblimer ngimoms more liharal than thome which have gemerally prevaled in his family, he aranted privileres tu the l'rotest-ant- of hix dominion*。 …raciably in silwia. In allianere with litain, he prosergted artively amd sumersetinlly the wat in the Spaninh succomom asmint Framers. Inother fownrite selemes of his



 alibitios. In 1-6t lo wax manatorl king of tho Limmans, sme after the ifeatlo of hiv father (1Jiio)




 dominions ( $175-9$ and aspin in $17-5$ ) whill he




 lat laswing imbinal, lika leredariok thaz dimatt, the





 carion on suy new fapal hall in hiv dominions







 sion to the lontestants amd Son-mated limeks in his dominions. Popre Pins Vi. Aloweht to cheek this emarse ly a perasmal interniow with the


 of serflome and thr remeransation of the -tstem of taxation on : juster hasis. He alourartibiled the ferulal privilege of the nobles. In lös hemeraged in a wir whb lurkey, in which lo was moncomofol: and the revation raused hy this, amb hy ther rewhts in lis own dominions in llmany. Tral. and the Vetherlambs, and the neresesity matur which her felt himself af revoking many of the micts hey whell le latal sumbt to promote the welfare of his penple. - purpially in llunerary hastened his death. Which tow plaien on zoth Fehruary 1700 . Ihe fommed many valuah, mincational and sejentifie institutions, amb did mach to jromote the jrogress of arts. mannfarthres, and oumbere in Instriat.
 Nosinich anl Wioner (1sists) ; also Léger's History of A cutco-Hunthe:" (Eng. trans. 1s 30 ).

- Doseplr. King of Naplos. See Rostirdite.

Dosépling. Jane liose, mupres of the Freneh, was lom and Jme 1/tis, in the island of Martinigue, where her fatlat, Tincher ite la l'aneries wa captain of the furt at sit Pirre. she hat only in imbithent calonial mboation: but her qualities of mind and leart, even more than liev heanty, won univeral regarl. Whien almot tifteren vars of ate she came to France, and
 (1.v.). I langhter of this marriage, llartense, plueen of Hoblam, was the nother of the Emperor Siduhern llI. Jowphin"s lanhanl was executed !hriner the li+inn of Termor, ho herelf just excaping. $)_{n}$ Qth Jarm 1 a!t; the was maried to Vipulam bumaparte. Sta accompranied him
 intlomen in restraminar hinn from measures of violemee and severity At Malmaiman, and afterwarls at tho Inxemborm and the 'Thilories. she attracted rommd laf the mont hrilliant suriety of Framere amb contrilmond not a little to the extab lishment of hay hashand's gover. lint her martiare with Xipultom proving monitith, it was diwolved

 amol, if tha allied soverian hat promittel it, amblal hever rojumed him after his fall. she died at Dilmainom, outh May Iv1t.

 trans. 18s0): anl twa simptuons French works on


Ioveplistadt. om wit the most important for-






 scomberl, wh the mothors side, fom the line of Anmmean primox, white hic fiatlary, Matthias, ofthotated as a priant in the tirat of the twanty






 withlrow into the deorort to sit at the feet of
ome hasma, who is conjeetured to have been either a mollower of John the liatiot ir ath Esoches.
 hencefurth helonged tor the lundy of the ' Phariona, which in fact comprised the hall, of the perpho. Suliohly was his ability enteemal that at thre arge of mily twenty-six he was chane dmerate lo Nom. Wheni the dews rase in their last amb hatal insur

 the wrationt valone and prodence: lout the andance

 Which Jumphan had thmon himade was taken after a besprate bestance of forty-seven days. Alomg with sume others lie concealiod himself in a catron, hat his himbeplate wan discovered, and lusing homent lefore Tespacian be woulh have heen sent for Nemo had he nut-accordiner to his own :cromut, for dosephas is his wwn and his sole
 leenmse cmpern of limme. Nevertheless he was kept in a sont of easy imprisomment for abmot three yrars. Jomeplus wis present in the homan army at the sioge of . 1 ra-alem hy Titu- : and after the fall of the city ( 70 A. A.) waim insmmental in mat. ing the liva of some of his relatives. Ifter this he atpras to have lesided at lomme, and to have devoted himself to literary stmlies. The exat ferion of his doath is mot asmentaned. All we, know is that he mirvived Anribla Il., wha diat 97. A.b. Ife was thrice marriel, aml hatl chitheat by his-seomel and hind wives. llis works are the Histury of the Jewrosh IF (er, in 7 hooks, writ! 1 n looth in Ilehrew amd (ireek (the llebrew vernims is mo lomerel extant) ; Jowish antiquitios, in 20 hoolsx, cobitaminin lac history of his conntrymen from the earliest timen duwn to the end of the revign of Xera (the lictitions Ihehrew Josidy"n,
 phas' Intiquities, dates fromi the loth cemtury A.S.): a treation on the futimuity of the Jews, aramint Thion, in 2 vols., valuahle chitelly for it. extrats from ohl hintorical writers; aml an Anto-
 con-ibered supphambary to the dntiquitics. The othor work attrihuted to him are mot believed to be wemmint.



 old mational history that he romble well justif! ; hat the hopeldestem of attompting (o) withetand the
 to matraralom eamonl him tor mathe his torm- with



 bihlicial histary a somen hat rationtalintictinat. Il" speak of Doses on a hmman rather than a divincly inspind lawriver: her shombts the miratele in the comsurg of the land sea, the swathowinge of dunath

 ulons l'rovidenow at work on behalf of the ehomen


 calleal the nirech Livg.
 bused (Frollenf in list . Nince then the most impurtant



 mont celebratel beramm in Enolish have heen these by
 chition by shilleto. is vols. Isce! ! (1). Ataynard (I800), and Traill and Taylor (Isal). See the tieman books devoted
 1si!9), Destinon (Ins), and (llitzki (1sN(t).
Doslina Helr. Jeheishint : (ir. Jésous, from late
 of X Nu, of the tribe of Epham, i, lirst mentioned in Ex. xii. !as ammanding the wandore of frael in the battle uf hephiting. Je was also ome of
 intormation about the strenth of the Canambites and the propecto of the intended invarion (Nim. xiii.), and when the others retmoned disheatened lue aml Cinel alone retained their eonate amb reporterl in favomr of an armed andrane. These two alone, therefore, ont of all the grown mon of Isual, wore exempted from the divine sentenos that heanne of their want of fatith they slomhla fall fathe wihlemess. During the furty gears wamed. ings. Jushua acted an the "minister" or pressonal attemdant of Dones ( Ex. xaix. 13, de.), a relation which eems to have marked him ont as the fotwomite diaciple and probable succenson of the lawgiver. After 'the Lom was angry with Noses' doshua was pxpensly denimated to lead the people into (anam (l)ent. i. Bn), amd thin deximation was
 11 srit.) betore Mones meath. The book that hearn his mame is a matrative of the conguest and setthment of ('amath moder the leadership to which he thas muradeded. lt relates with eonsilerable detail the prostse of the Joman, the fall of ofericho amo di, the suhmisain of the Gibeonites, the defeat of the live king of the month at bothhoron and of the four kines of the borth at the
 pheal and admanstrative detands an the the distrihatinn of the eondresal teritory anomg the tribes

 ( 'hatixtians death. The dewish rathons and eatry beron witten by all suplowid this hook to latwe iajumajhe asonmption, fur batit but this is ant beritl it alludes to at oumber ather ond has not happorn until hat ander that event and dial

 like the other histurical bombor of the oh Jeatament, it is :n : monymons writins, ant when critically examined is seento haw leen orighatly united to the Pentatench, and to have hern "onnpreal in the sibme mammer. It in male ule of extracts from varions maratives, bicord tospther lay a later hamd in the manmer of eastern histomiane amd in its propot form canmot he mach earleet thath the time


 (1) uf the 7 (h, and the libesty (1) of the sthe



 xi. 14 - aii. 14 : xib. $1 ; 15$, and sme uther small
 prat of the aboombt uf the divisum of the temitory romes from the juidotly writor. Its gengraphical





Dosials. ohe of the kinge of dudah, was the
 at the atge of risht in titl 1:.⿻日. De Hew up an andent religions beformer, and parged dudah and

Terusalem from indolatry. It was in lis reign that Hilkiall the liogh-priest is atit to have discovered the 'hak of the Torah,' by which smot umberatand Demtermmos, others Exodus, and others again the whole l'entateneh. The king now visaminly re-e-tahlinhem the worship of lelioval. and intitured the rites in the newly dismered lomk. He met his death at Megiddo, in the valley of Exdraelon, when attempting to cheek the alvane of l'harand-
 the lant of the gom hime of Jutah. In his days prophesied deremiah an Zejhaniah.

## 

Jost. Isho Mstikte, a dewish historian, was
 He libhored as a Jowi-h ochohmanter at Berlin
 died at Frankfort, 2uth Nomember 1sto. He wrote Gesohichto dor Ismelton (9 whl. 1500-23), to which were adiled Smere Gowhate dor Ismelden. 1810 -
 thums ( 3 rols. $1 \times 5-59$ ). He also elited a Gemman tran-lation of the Mishuck, with text and commentary ( 6 vols. $1 \times 3234$ ).

## Jotmineilli. Seetifints.

Donbert. Gexerin. See Trinsrine
Joubert. Joseph, was horn at Hontignac in Perienol, Gth May 1ont, and stulied and tang hat till twemte-two at the collere of Tombouse, then under the direction of the Fathers of the Chintian Doctrine. He then went tis Paris, and here male the acplaintance of lident, IDAmbert, Marmontel, ami La Harpw, and lived throngl all the fever of the lievalution. He hecane the bosom friend of Fontanes and 'hlateandriand, and le earried hoth to the famous salon of Dalame de Beammont. In 1 Tom hi- native thwn-men elected him as justice of the preate, aml in lang he was nominated low Napoleon on the recommendation of Fontanes to a seat in tha conncil of the new university. At Villenemve and at Paris he lived henceforwand, and his years glined guietly away, while he read. dreamed, walkid, wrote letters, and dis coursed to friends who thronged even to his leed roon, which he sellan left hefore three veclock in the afternom. Desite weak health, he carried his lyead high all hiv life, and newor crased to read and re-real his favomite looks, and jot down his meditations. Yet he publinhed nothing in his life, although le was the keenent an well or the kinhest eritic to the writings of all his friemts. He dial
 accerled th the prayers of har frimuls to allow a small wolnoe to be primed from his papers. Chathabriand edited it : Sante-lpome praised it withont stint in the: Romer dow Ih Wombes, and Jonlert's fanme was from the moment of its alplearande a-nured. And his Ponses, alike from their intrinsic value and inchigh and therir fanlthos form, are worthe of their phace in the sphenlin sucessim of La liochefoncmin, Paweal, La Phuyre, and Vanventrme.

At lenoth in 14t2 Jenhert's nephew, l'anl de Haynal, issued an adequate tedition of the $P^{\prime \prime}$ nsen's ot Marimos from the more than who small manuseript bork with the addition of a number of letters. and an almorable bio graphical sketch. Another and enlargerl ellition hy his brother, Arnatud Joubert, followed in 1h:̈f; yet another, better arranged, by Lomis de laynal in two valumes in 18kis. 'There are translations hy G. Il Calvert (hastom,

 ii), and almust every page of his "hetrunhomul et sent
 (IMin).
 Wher, was lorm at lontens, a villate of the dara, on

 fililasmblys at varions eduratimal institutions in
 his poressurial chair for the port of bibarian to thas university. Ite died at l'aris, thla kehnary 1st2. Jontroy was mot an oriomal thinker, and fomaded no sclaon. Ilis merit is that he wats the lachal interpater of the teaching of the sontion philosophers lieil and Dogahd kitewart: hat framfinced their works. with eritical introluetions innl notes. His own best books wore . Delumpors /hilw suphiques (1533: new ed. 14xi3), Comers dhe Ioroit Noturel (183.5), and Cours of Fistletinue (104:3 ; new (d. Iss3). A prominent feature of his teaching
 nogy. For some time Jonfloy was an industrioms
 well known as a journalist. See Lite hy Tisoot (1576).
 (1751-1832), clatmed by the french as the inventur of steam-nivigation, servel in the army, and did in 1763 make a small pallle-wheel steambuat sail up the Rione at Leons-the connection leetwern piston and puldle-wheet axle homer rack-and jinion. Comprelled to emiprate ly the Levolution, he failed, on account of financial ruin, to that a company till after Fulton had male his succes-fal experinients
 N: : and it monograph on him beg J. ('. A. I'rant (I'iris, Iss9).

Donss, Juritis, or Jonis, the name siven in scotland to it form of pitlory which was heed also in Holland amb pobably in intler comontries. The johtge were mothing more than an irna ring on collar, fartened by゙ a chain of two or three link- to a pillar or wall in somet pullic place, such as a marketeross, a market tron or weighiner lurat, a privon darer, a rharel foor, a churehyard rate, a chmols saml tree, a tree hentath whose branclies conts wer. leln, and the like. The ring or toollar opentel bye a himg or joint, so as to enclose the (xulprit's nect, when it was mecured by it low or staple and a panlluck. The jonis were employerl as a pumish. ment as well for ercelesiastical as for civil otlences. They maty lee traced as far hack ats the 16 th centurs, ami, althumb they hava not heen in use for the lant humber years, they urty still he fonme lanmines at a few combtry elammers Tha* a* compraying wool-cut remu ronts the jonors at the Wharchyard wate of the jife turespue villatye of Dhinding
 Were oceasionally Jhans on the stane pillan with the jolles.





 trical machimsand other philosphberal imathamotat
 monts wore mate with referente to eloctron misheti engines: from which he paned to quatititatise
detmonations momalines heat. and the transfor

 fommare of the monlam themy oi comservation uf energy-the eramblent reneralisatime ever mata in





 Tat 1.1: haic leen sursexton? and to some extent




 En a combuctor havines that ronistance and carse ing that corvat. It is appmamately equal in


 wator fimm $191^{\circ}$. (1) $1^{\circ} \mathrm{C}$, polltain to the sallue alpuximation $4 \cdot 16$ jumles.
Jonidili, dens Bintiste. Compe, a Fremel
 entored the army at sixteen, aml after seating sor via in North fimmica, mase numer the liepmhlia to the ronk of a gemeral of livision. la heptember 179:3 he ohtained the command of the Arong of the

 the Smas of the Mence athl simbre, and with it
 drowe the Antrianc hath arowis the Rhine, toms Lnxembmer, and laill sipge to Vamz. Sut an Ilth wotober bas he was defoatod at limbut,

 a. fir in Bavaria, lma was there beaten by the
 this dinobnliture mate him rosign hiv cmmambi. In 17a! the Direotmy antrustell him with the emmmand of the Somy of the lamolne: but he was
 and at stombach: Altangh la tomk no part in tha coupdidut of isth limmaire the First (omend employad him in 1 sorn in the rentratisation and administration of ledmont : and oll the extablish
 and a momber of the 1 'mmeil of state. In lsome he


 in lela. But line ramblican prindipes led him to enter haratily iuta the revolution of 1830 . He dieal at ['aris, 231 Xovember 1s3:3.

##  <br> Jonast. Sice "hominamest.

## 





 and the latin wasy in 1sth. . Wheady a follow in
 alootion as mater in lsat. Thans his whan life hat


 Mavanlay of the fommission for inguiry into thes







 in which he was tionl hat anduited lis the vicue Phatmellor"s comat: and al fommentary on the





 ( 2 vols. Issi) and tho loblitios of tisomle (1s8ot). He died lst October 1593.



Jiall. See Dox duスx, dons of Arsthid.
 "nearer the manlaml"), a rocky $\mathfrak{i - l a m a l}$ in thas
 to whish it helomes. It is $1: 8$ milas lome and 4
 peatis of volcunic orgin, the highent of whith.

 all wambinated. Hows, birs. and wats mon wilil.
 nimu it hears in liak, and was frempently visited ho hanamers down to its ocenation by the Sumiamis
 natise of the suntel tishing villow of Latro. lism in mblitule from lity to Fong. His stury is sul.
 Fefoe: though it hombl he remembared that linhinsons island was an the oflar side of sumbly Smerica, near the momth of the (himoon. When Spinn lost her Sumth Ampican colonites duan kire

 by a fow Chilian sabl aml seation lumtors amb in 1s: it was leased hy the Chilian anvermand 10





 io) Wa-distinguished hoth fon his alblity :omd his hanesty. Exiled aluriner the divatombip of sime aAma. 'he returned when the repmblar wan raveral, and in 1sig was mected presidunt ul tho simpram
 On the overthrow of the lilneral prosident her
 exerutive bat was rompelled tu uetime to Vara



 abp to enter the rapital, and in Hamel was


 Apil the British and Spanita withlow, but the
 wha rotreated gralually to the mothern fromior, atil remamed for nearly a jeatrat latasold Norte.




 yearmisturhed by remateal revolationary attempts.




whell he died, comewhat smblams. Wals duly


Dubal. a great river of atame lition whicla How into the Indian woman at alumt 11 or late and whose month marke the mothern lommary of the rowat placed anler britioh entron ly the
 buen mphored to beyond 3 K. lat., and berolis
 prohaldy takes its rixe if the sthm monntans ats the fereler of the Silm.

## Jubar. See Nrmina.

Dubal. an of Lamporl and Alah in the tipmexis story, the inventor of the hat athl owean, prohally general tprom for strinupal and wint instrmments. The meanine of the nante is mont likely signifeant. connecteal with yoblol. "juhilee."

## Jublompore. See Jibuiptre

Itabilate, the forth Jath. Whith in the Vul-
 added to the Enolish l'rayer-luok in line to liw -mus after the secoml Laciom, intand wi the Brar. dictis, when that canticle weme in the chapter for the day; lint it is unal at other times as well, and always at thanksivines.
 themeratie, and aplarently themetical mull mone than practical, intitution amons the Hehrew-(Levitican- xxb) hy whinh, pyery fiftieth (not fortsnimthe yara. the land that in the interval hat paseed ont of the pesewion of thow to whom it oripinally belongeal was restomet to them. attl all who hail been relucel to phanty, and ohlizell to hire thenselves ont as servante, were releazed from their tmonace: while at the same time all lebit= were remitted (Jos. fut, iii. 12). The julilee forms, an it were. an exaltpl Sabbatical Year ( $4 . \mathrm{v}$ ), and the dand was cumpletely to be lift to reat in the former as in the latter. The theisen bit this institution was shiptly to prevent tho erinuth of an olisately uf land-nmers. and the thital imuneri-hnent of sme families. It was proclaimmit at the emb if the larvent time, like the aluational year. in the day of atonement, hy the 'yoblel' a kind of horn), Jence prohably also it name. There i- mo trace in the whole hivory of the Helrews down to the Bahrlonian exile that the juhide hal por heren observeil: after the return, howerer, it apmatio to have heen rigoronaly kept, like the eahatioal yar., for some
 it mant som have fallen into di-we. Dilhman maintains the 'year of liborty" of Ezok. vlvi. 1b-1s to he the year of juhtere, whila kinmen and Wellhanem make it the -ablaticol yrar.

The Christian chureh athuned the twan olatiolio from the Jewioh, and the fubiloe in 1 wo forms, the " ordinary ${ }^{\text {and }}$ "extrmminary, is-till an int
 of romi-u ion from the penal comaromoner of sin.
 statem intervalo, the lobreth of whind have variol at ditlerent times. Its urigin is tratend to lope lomi-

 of lame during that year. an mhatiton of their
 chareh of st leter and st laml. fittern thom if strangere and thirty time if rexidnot- of the city.



 of 1343 , abrilgen the time lat fifty sear- Than number of pilperima that bat is sath the have


 ardered that theneforwat eatel twenty tith beal
 ham contimad en an sine to resulate the manary
 way, the equithal advantages of the juhbias. by di-pusing with the promal pilerimase to lanne, and :ranting the indularenee to all whe hombl visit

 tribute a mom towarde the expeness of the 110ly Wars. The sulstitution ley Leo N . of the mime tion lunilding st leters "horeh for that of the llaly
 oi many of thom apmintel to preath the lombe
 of the lefomation. In later fulater 3"ar the pilerimates to lome grabally dimininal in fre 'parnes the imblugence liemse for the mot part. whatied ha the performane of the premeriluil work
 thally maintained at each reenring luerionl. with the -inde vereption of the year lami), in which, owins to the varanes of the holy -fe, and the tronhlen of the times. it wa- not helit.

The axtrandinary jubile, in ordered hy the bwn
 on som theasion of puhlic calamity, on in own rationd condition of the thatumes of the chardi: me of the conditions for obtanine the imblabuer in -nch rate heing the reritation of certain tated bayer for thr prationar necenity in whirh the julike urimaterl.
dulilew is alsu ured for the celeluration uif a diftieth amiverary-as the juhtere of comme 111 . - acres

 celeluated at loctom, [nited stater, in lua! and $15: 2$
 milos sonth of the frumtier of Xorome with an anclamare. I tradins ontlement of an bundiat company was atablithed in laty-s9.

## 

 Wa- the fourth on of Jacol and Lath, ani fommer of the greater and most mamermo of the twern triber, to which helonget the royal hame of bavid. la the mareh thrment the wifhrmes it hanl the fan a-x.gen to it : and tradition narater hat itstandaril wate a linn' whelle, with the worls: ' Mrive.

 From thr. Itead sea on the eat th the Mediteraturan an the wot (thomeh the philitimen lime hold

 that eity) on the umth to the land of the Smalek-ita- on the romb. The capital of the trilue was


## 

 mont probalily a native ni kerioth in the tilue of dulath, and, if on, the coly simtherner atume the


 the whey the call if the mow promet of Nisameth.









foretold hemelf, and even pophened in the old Testament : Tohn maker dens: himerlf haven it fowarl (siii. 27). Whaterer smblen of lomge meditated temptation it was that thened the head of dudas, he had not wholly lost mama sentiment for when he sat the awin! comsturnces of his gnilt he was filled with the remored fal home of Thepratr, and hand the grace (1) of and hang himself. Thas two valant acemonto of his end in Matthew (xwii. :3-10) and Act- (i. 1ti-20) have this much in common, and moreover that the hool-money was
 or after the ill-omened name of Acellama, or the Fied of libood.

The mere dexire for wold can hardly le aceepted as a motive alderuate monel for a rime an monstrons, which hat made its perpetrators name ta all time a somym for shameful treachery. Yet it is ahnort as hatel to find it in the prompings of dis appointed ambition, vindictive hatred, or revenge. Theoplylact, hir eller Liehtioot, Bahrit, Niemeser, and schmilt sought to explain the treachery by a bodiof in the mitacnlons pawers of Jesus, which wombld nexesarily protect him from the eonsumma-
 and Nowli amons moderns, credited Judas with at de-ire to hring ahmut the relemptive death of Jexin and the conseruent trimmph of Cloristian truth. Agrin l'anlas, Winer, Haxe, (i. Schollmeyer, and Whately believed that the wordty-minded and ambition- dulats had become impatient of the delay in the extablishment of the earthly kinghm, and that he alopted his poliey with a view to drive
 planation is that the fore of old ansoliations may haseonereme his wavering heliet in the Meswiali. ship of Jeons during the excitement of the festival, when a horning mental orarale horst out in hiheart moller the immoliate intluence of relatives ardently devoted, as he himself once wias, to the oha relicion asombiated with the sathetnary of laram. The ohl legal and pietiotic prepossessions of his matprialistic rather than opiritnal temperament glowiol he anew within his heart, and hurried him without deliberation to a comse, the guick reaction from which was hopelese remorse, homer, aml derait. Perham nom of the explations thow much light man an enimma sodark as the motives that drove Juda to hif tatal trachery, and it mas be doultor if these butives were any lens ohncure imd comfused than the motives that sway the hmman heart manally are. Ilad his arariee beon on dabereated hramh never ham had any me:ame of the grace of the dincipde. for surely Jons hust have seen the pussibilities of gome as well ate evil in the yomer dinciple whom la attached to limeself. lat, spite of ontwash and at tirat ramin" "nongh enthoian, carnal selfishens was haeply rooted in his nature, and when the mani-

 more on sery lay. 'Tlus immediate oneatom whinh tumed his lant remants of afleetion into violent hatred maty well have hem some shat repmof, some fancond slight of entramement that rame suddenly, and huripal his hat heart to action whieh. when tow late. le wis bitterly to repent.
The treachery of Julas has piven rise to a long series of $\mathrm{l}^{2}$ ycholegien studies which are convenintly emm-

 prelimmary inventigation of the crime opens up a discussion of evil in relation to groml. See alse the Lives of Ilesus ly Neanler, Strauss, Lemam. Noack, Hase. Kemb, Parrar, and blurshem; the essay by he gunery, Stier:- Horts of the Loud Josus, Thagedies ly Elisa
 lallayl. Jiffers Istrimot.

## Dudar Mancalbieus. See Maccames.

Judas Trae (certis), a wemus of trees of the natural order herumimsat, sub-order fasalpinead Ther common dudis" 'Tree ( $\left(\begin{array}{c}\text { : selequestrum }) \text { is a }\end{array}\right.$ native of the south of Eumpe and of the warmer tempreate parte of Asia. It has almost orlieular, very ohtuse leaves. The thowers, which are rosecolomed. ayjear before the leaves. There is a leyend that Julas handed himself on a tree of this limn. 'The Ameriean dudas' Tree ( $C$. cmunensis) in very smilar, lut hat acuminate leaven. The thower-mols are frequently nseal in salads and pickled in vinegar. The wood of looth elecies is very heantiful, reined with hack, and takes an exeellent polish. The yomer shoots of the American Julan tree are used in domestic dyemg, ant impart a line colour to wool.

Dude, Epistle of, one of the smallest and heat ingmont hooks in the New Testament canoh, which purport, to be by 'olude, a sewat of hesus Christ, innl lmother of James.' 'This Jute is most probally the Judas who was one of the "hretloren of the Loml (Matt. xiii. 55; Mark, vi. 3). There is a Judas in the list of the ajostlem, as given ly st Lake (vi. 16 ; Aets, i. 13) and recognised by st John (xiv. 22), ocenfying the place of one who in the lists of Matthew (x. 3) and Mark (iii. 18) is ealled Leblens or Thaddens, the traditional evanorelist of Elessa. The alsence of the epistle in the l'enhito is of itself proof, awording to ('anon Venables (Simith's Dict. of Pade), that it is not the work of the last. St Luke demeribes the aportle Judas as loóas lanépou, whieh wonld naturally mean Jude, the son of dames,' but has been, without sutheient gromads, remiered in the Authorised Version 'Inde, the hrother of Janes.' But the author of our epintle rather seems to distinguish himself from the apostles (verse 6), and on other gromds there seems conelnave proof that he did not belong to the Twelve.

The epistle is recognised ly many who ate sitent about dimes, as Clement of Alexambia, the Maratorian prament, Tertullian, and Origen : althomg indeed it is not mentioned ly Clement of Rome, Imatios, Hemas, Polyearp, Papies, or lyenidus. As has been sath, it is wantine in the lesdito or Syriac version, and it is clased ly Eusehius with lames among the Antilegmene, or disputel bookix. Fifty years later st Jemme mentions that, though then received, it had heen rejerted ly many as ghoting the apocryphal lamb of Enoch (verses 14, 15). Oripen tells bs that in vera 9 again - lude quotes from another apoeryphal look, the lost Aswintion of lloses. A more serious whection to durlex authentity is the question Whether the particular immoral persersions of Cluristian thath arianst which it seems to be directed existed in the time of the brother of bames, who appears to have heen deal before the aeression of Domitian (s1 1.t.). Davideon, Hilgenfoh, Volkmar. Schemel, Dangoh, Liwsins, Iloftzman, Wrizather, and l'theiferer identify these with the Antinomian Cimosicinn of the $2 \boldsymbol{i}$ century, which repuliated Gond and the angels of the old Testament ats subordinate powers (rerses 8 -10), Jesus an the merely human organ of the higher Clurist (werse 4), amb ordinary thristians as people prehically inferior to themselses (verse (!), while it athonded a cloak to likertine tendencies (berses s. 10. 16). But it may le ynestimen if the pistio specially aphies to Chosticisan proper, as there is no distinet hint at the dowtimal hasis of the arrors demoneed, and the whole may reasomatily lee interpreted as relmake to private member of the chureh who led mendly lives, misinterpeting the doetrine of grace ats a charter for a licentions lifa, and ware disoluedient to -rititual antholty, wot neressarily applicable to -jectial organised forms of immonality and ervor yet
to be developed, At the sambe time it should be remembered that other apmathes had abraty lad cause to denomere inpurity whiel liat arepit into the chareh ("2 (on xii. 2l: Plail. iii. 14) liov. ji. 20-22). ("lement of Alexambria reads into the epintle a prophetic demunciation of the immonal teachine of carpmoter, and leman buldly clamas it as a diatribe atotimst lianl.

So reader can werlenk the striking parallelism at onee in thonght and languare betwern onde and 2 Peter, ii, from which we may feel eertain that the one writer hatel the work of the other hefone him. It is a ditlioult matter, however, to deter. mine wholl of tha two was the earlier. Host erities eonclade in facour of Inde, althomala to this there are several serions objections on whicls a strong case haz luen consibucted ly loofessor Lumling in The Stmeler's Commentery.
see the Introductions of s. Davidson, Hilgenfeld, Holtzmann, Salmun, Weiss, and lods; the works tun the New Testament canon by Westcott and Zahn; aml the special commentaries in the Furtact. Exet. Hond woh (3d ed. Brückner. Isios), Meyer (5th ed. Kuhl, losi). Stier (18.50), Amand (185) , Lamif (18j) , Frommuller
 Plumitre (I8S6). see also Fitsclal in Theolog. Stuel. u. Krat. (18sii).

## Judenlietze See JEWs, 1. $3 \mathbf{2 9} 9$.

- Inder is the ereneric destriptive name riven to those who are invested with the power of judging and deedinse ean-os in the hiflast courts of common law. In (ireat liritain-thongh it is otherwise in America-it is not usual to designate the highent elans of judges ly the epithet of judere, and Britiva lawsers never dos", Thus, instead if waying Judge Blackstone, Judme Ionluck, lindse Ehlon, the proper
 Pallock, Lord Clatncetlom Elalon, de, acemang to the particular cont in whinh they presiled. In Seotland the u-nat prefis to the mane of a juige is Lomal: and the juiges there, wn their ingmintment, often aswmot teritorial tithe in ambition to the pre-
 iner Lord Ornidale whilat his wife remained thes Macfarlane. lo Eindand tho jublans of the suluerin eourta are only called lords while thoy sit in connt or in chambers. Thie pratetue his lomoreen for the erown to confor the hanom of knightiond on all the
 Englamp, but not in lreland or Seotland. All the
 since the A't of settlement ( $1 / 0 \mathrm{l}$ ) haw heht their othere durimg raml belaviont: since l (ieo. IIl. chatp. 23, thes latue alas continmed to loblal their apmontmenta motwithatambin the demine of tlae crown. They eath omly be romoved from their athee on the athrean ai lioth llomaes of pathiturent. These are diapualitied from sitting in the Honse of Commons. Julpes in linorand maty she and be sued in their own contro, bat nome mily be juike in hio own ease. Xor action mas le bromotht andinst the jutare of it anderion conat for anythang dane in hic julicial eapreity: Junders of inferion courts are lialing to be sutal, bint only when they hate itcted in hisul fisth, or lowemd tha hemmes of theit juriselietione Ther terni juldere in the proper title of the

 all julman, a fixal amel dobrminate jurisdiotion, in iontra
 sional :und tompmatry jucliotal authurity dolowitud (t) thern.

In the I'niteal titates the jumeren of the murembe conrt are appointed by the presulent with the enon sent of thos semite: in the romete of the mereral


late grars, chosen dineety leg pombar sumpars. A jularis is not libtble to at eivil aetion for ato pero formed as part of his chlorial dats, but be may be imprathed for any high crime or inishlmeanour.


 in legal matters, of the ('mmmamberin-ehief amt Recretary of state for Wia. liefore monfomation, the enntences of all comrts-mantial, with the evidenoe ahduced, are sulmitted to hina ; and it is for him to represent to the commamber-in-rhinf any ille. sality of procedure or other ciremmatane rember
 to comfirm the comrt's lecision. He dues not alvise as to the exereine of the presorative of mery. The julge-alvocate-general renoive a salary of toom, amil is matatly a memble of the Homse of Commans amb of the ministay-changinge of comse, with the latter. 'Tlet judgeadrociato-general is alson the title in the taited states for the chitef of the lmment of military justice at Washingtom.

 matial, tu" assist the connt, and to see that no injustice is done to the prisoner.

Junges. THE GuOK uF (Heh. Shifftim-compare (arthaminu sufites: LX. K. Kriteri. lut in Philu hrimutu, 'jurgment-'), a cammisal lomk of the Old 'lextament, the secmal in the series hamon as tho fommer prophets, relates to the primin in the listory of lamel from the death of donlatio to the hirth of sammel. It-anthomhip-one rather the antlooship of mas part of it, for it is llawn from mare than one somre- is monown, and its limal redaction, as is show by the presence of bemterommale and other elements, canmot have tilken place mutil after the exile. lis composite character is alown hy the fact that it has two herimmimes (see i. l, and ii. 6). 'Tlue main seetimn of the lamk, extemating from ii. 6 to xi. 31 , consists of an alparently $\cdot$ onn seentive narative, eromben remme six primeipal
 thah, aml samsent-the intervals lefing tilled with the listary of (idtenns son, Ahimeledt, and refarencom, more or las luief, tus mix mon latuesShamgar, Tola, dair, Imzan, Elom, anml Mnlon. The religens prammatixm of this marative is olvions: the history fall into rumbing ereles, all enreommal. inf to the reheme indicated at the ontart hav the works: After the death ul doxhait the childien of larael dial evil in the sight of the Lombland formank the Lamer Gonl of their fithters.

And the allager
 then inter the hambs of spuilers. . . itmit they wore greatly dintressed. Nevertheless, tha Lard jainad ub winto them jutores, amb wat with the judere, and lelivered them. . . \un] it canme to pass when the jumpe was dead that they retamed and commetal themashes matre that thinir fathers. . . A An] the anmer of the land wat hot amanst larim, "de. 'I'he apharently comsedative chamater of the namative
 analyseal ; from thene we tinal that the chromology of the arotion is hased on two artilimal alternative sclecomes, "ithor of which, hot mot luth toredher,

 ally sepmathe fram that if the mimo omos. The poligions statherint of the thain wotbon of the
 intomat exidenoes, shows that int the mam it mast

 Mer ; but, on the othor hami, the swetion contitits efemente that arary us murla further back that the


 to ii. it is relatively wh-uhler than the Beak of



 of wery dilliment dates. The histury of Mieala and the limites (xwi. 1 to wriij. 31) is a pine of very wh hivenry: that of the Lesite and the lampanites

 late.

 There ate womentaris he Keil (Enge trans, lsith, also


 (1)! !

Indicatura Arts (18,3-6), Tue, pomstitutel the Enelish Supme Comet, comprising the lish Gome of findict, with a thancery divivion (are ('hiveris) and a Gucen's bonch division (see ('onsos Law): ant the Comrt of Appeal (sep (1Pest).

Indidial Fartor. See Fueros.
Whdicial Separation. in Enslifh law is the separation of two marriol perams he mor of the comet of bivere. Ilanion perwons may, if they phane, monally ateree to live separate, and they may morer into a leopl of sepration for that

 sepration. I dond of sepation is always rewo rabla hamant of the partios, though to some extert liming on rarle, if the other lo mot consent to renew the enhatitation. Whan the parties have mot muthally comemed to separate, ond of them
 of misermbuct. Thus, eithor baty may apply un thon irmmo of alnfters. or cruelty, or desition withont rance fir two years and upards. Whan a hombun is compicted of an agmatad asamben hi wate, the connt hefore whiolt he is tried may makn an order which is almost equivalent to a

 orter are till mamer. Xen hemplivoment they cannot marsy desin: but there is me longer the Inty of colnabiting. The eome may awaral a cortain ineothe th the wifn after uparation, ami
 tamame of chidron. Rat, imennetive of this, the









In sumbind the law was ehamed in 18(1), amp mow maty wincil. with the Enelish law in many
 At therot in obtainuse at the instane of the wifo. all peprety which has maty actuire, on which may f+ewse






julicial samation in sombund alow are nealy the same as in tongland.
 partial divorce "mense it thoro: lat since then the marriage rontract is either wholy diwolved or the conter mefus to interfere.
Judith, a dewinh hemine. Who -awn her native tonn, Bethalia, ly a deed of musamped dating amb levotion. She madia her wat into than hostile camp, and into the very tent of Ilolofemen, wemal of Xelmehadnezzar. The semeral wat- lnenilitered ly her beanty, and she phied him with wind till he sank werpowered mum his romelo. 'lown be ent ofl his heal, and foum her way um carrines it with her. Hor townemen were inplimat with a sudten rathuiasm, rushed ont pron the anomy and com phetely defeated them. The tale is mot mentimed ly Josephes, and has from an maly ferion heen held to he an allesory. If forms the enlijert of the apmeryphal hook of Julith, the emposition of which is put varimoly between the time of the Macealiees and the time of the spennl Jewish war umber Hadrian. The exploit of fudith has given a frepuent mbject to art : hame we may merely montion the loronze group of Domatello at k lorence: the paintinge ly Boticelli, Cranach. Horace lernet, amil Etty; the !uetie clabrations of the thene by Hans Sichs, Opitz, and lehelel.
 Imma, was lomn in Mallen, Vassachusetts, Aggast 9. biss. Ho graduated at bown l'niver-
 mbinary and in 1812 marfied Imn llazeltine and saled fir Imdia. There they juined the liaptists. Ifter many diftirulties they setthed in himgoon,
 limmene, tran-ating partioms of the New Textamant ( $1 \times 17-20$ ). He remivel the dener of I D. D. firm Drown ['niversity in 1se:3. In l-2 the misconatice removed to Ara, where, dming the Bumene war, dulson was imprimed: and la shbempuntly laboured at Amherst, I'romé, Kamuon, Manhain, ant, with remarkalhe suceess. atmong the Karen jumes. Hic deroten wite lime at Imberst in lise. In la33 hiv thandition of the Biihn was completed, and this wa- fulloworl ty a

 wh the rowage home to Ampria. Ite ritumed to burma in 1 s46, and comploted hin dietionary at Danhmain, lont hiv healtit failem, and he died at -ea, on his way to Mamitin, 12th Apil $1 \times 50$. Ili- first wife was anther of at IFistory of the finomes . Miswim, and alwintel hor limband with his tramblams. Ilis thirt wife, limily C"hombek (1s $5-$-it), was known in the litelary world as Famy Forrester. Som Livo la Winland (bintom,

Juggeriatit. ar Pras, is the name of a town on the coant of Grissa, at the sumplern end of the
 chiof holy places in hadia. With a merdent pup.
 pilgrims, it owes its raputation to a traphe arested there in honour of Vishon, and remtaining an iblol
 meme, a "erruption of the samshit word Semen-methe-i.e. Lord of the Winta. It was bung a xared city of the Bhallios, the abobe of the
 mention of lagamath is in :34 A. D. He reprevents Viblum in all hiv manifestations, and is in a






 are twenty fon ammal feativals in his homor, the chief beine the ear testival, when laganmath who
 feet square with sixteen whrels, etch $\bar{z}$ feet in diameter) to hif commer home. This is Je.. thath a mite divant from the temple, lout the hetwe samd extends the short jouncey tosereral days, until the exhamsud datotees revich the task to profesional ear-puller, who have aloo to asoit the idel home agan. The car fentival law heen currenty helieved
 lation, the framio devorem rommitting suicile on throwing themetw batore the whel- of the hears car. Thi- is, it would appear, a calnme of English writer. see sir W. W. Hunter's work on Ori--a ( $15-2$ ), in which he estremly examined the whole evilence on the sulject, from $1.5 \times 1$, when
 Nown to the pulice refort of 150, and came to - the emoln-inn whin H. H. Wihon had arrived at from quite different -nures, that self-immolation was entirefy oppored to the wombip of Juanath, and that the rame death at the ear festival were almont alway- accidentah.

## Juselers. See Constrivg.

## JugnIar Vein. see Thenst. Vens

Jugurthat. King of Numilia, son of Mantanalal, whe wa- a nathral son of Manini-sa, waearefully educated ahons with Aherlod and Hiembsal. the zom of his uncle Vicipa. who suceeded Ma-inisa on the throme. Ifter Mieipas death . Ingurthar som canseld Hiempal to be murdered (lls bic.), wher+ulum Aherhal hed to Rome. Jugurtha succeeded in hiling great part of the Koman renate, ant whatnel a decision in his favonr, freeing him from the charge of the murder of Hjempal, and ar-ming lim a layer shate of the kingom than wan given to Adhertal (11: B.C.). But Jugurtha anom invaded tiherthal's hominions, and, notwithetanding injumetions hy the Roman- to the contraty, besened him in the town of Cirta (112 B.C. 1 , and cansed him and the Honans who were saptured with him to be put to death with horrible thrtares. Therenpon war wan declared agaimt Jugurthat he the lioman people; but, ly bringe the remerals, Jugutha contrived for years to bathe the Poman power. At last the comsul, ! Civeilin Metellu- proving inaccemible to brilne, defeated him in 109 and 105 s.c., so that he was compelled to thee to the Manritanion hing, Jochus. Dariu-, who suceeeded Setellhs in the command. carried on the war atrainst Juguthar mot Bechun, till at lant Bocehos
 Marius. Dle wa-carried in the trinuph of Marins, banary 1,104 e.c., and then than intora dugeon muler ile rapital to slie of hmper. War interent in Gugurtha is entirely dine to the matempece of history in minature which sallust dexotml to his story.
Jojuluc (Zizuhtus), a semes of yiny and deeidunas horulos and suall tree of the natual meter
 The Commen lujulat (Z. rutymes) of the woth of
 a imit pramblang an olive in shape and sine, red or somethos yellow when ripe The irnit i- drion as a swertmeat, thit forms antich of eommerer. strup of bugubes is used in conrche, forem, do.: Int ther juijuber fueste or puite der jupulay of the shopp of britain io male of ghm-arabin" intul sumat, with ont any of the atrien jelly of thi- frat. The japalue oi holiar ( $Z$. Injubu) in a smilar small tree, with romel or ohbene froit, sometimes of the sian of at


 fomal in Sirioa south Amrica, and other warm
 foed high, a mative of lemeia, the north of Afriat.
 layge an a dore and with a later atome. lint having
 whe part- uf Sinca mah, int! caken yermblines
 fiom it. Thi in believed loy miny to be the lathe of the ancient lotophani methated loy Fonmer. Z. Sypure shetisti, amother nation of the eomotries nora the Meditermmean, i -stmotiamen said to lee the phan from the limaches of which our havoms crown of thons was male and i- therefore ralle Fhrist: Thom :and Jews Thom, mane which, ion


 nation of the poat of Commandel. han mentioh downy fruit abont the size of a cherry, with an milhe kemol ta-thatike a tillurt. The trea, which
 Yot liyht timber, which when mature asomume a tine orange eolour.
Jojuy. the mont mutherly prosinee of the Arabinine liepmbice is a momatamons tract. Fromded on thas Wad N. Hy lindivia, and has
 rich. but not worked to any extent. The chief induntion ate agrionture and cattle-ri-ing: - Mastr and wheat are the principat erope The export(mainly to Bolivia) monsist of rattle males, frait, chichar hrandy, hins gulddu-t, and salt. Pol!

 brome, a natimal wollege, a firl" nomal selmol, -ngathone- and refineries, anh b000 inhahitatht.
Jukes. Itmeith Peete, geolurist, wa hou neir Bimmingham, on loth Detoler 1-11, and madnated
 studied seolugy maler sedgwith. In and he wat appointed pobugical amseror of Xewommiland, and in wat lot took pari an maturalint in the exphation ami -mrves of Torre- Strait, New Gilineat, and the bat contot of Antraliat diter his retum home he omseved part of North Wale for the Cendogical survey of the Cnited Kinghom (1546-50), and in 15.00 beame locat lireetor of the
 the Musemn of hish halu-try and at the foral College of Fcience in Dullin. He died in that eity, e9th .Inly 1 se9. Fesider writing many turmois on peolurieal and kindred suligete, Jubes
 (2 vols. 1sf2). Serrution of the suteryine I'muen



 See his Letter, eqlited ley A. Browne ( 1 sill).

Dible. Berextata, philohesot, was bum at
 Masinal and bouratiow halohery at the uni

 liantatt fucame in lablextramblinary profome
 pofoser at the universty of (ramow, amb in and



 parative foll talio.
Of his acientalie publications the most important are

Vaters Litt rutur der Grommettikon, Le, rike und Hörter whemiknote allor Stracken dor Erble (Dl eak. Lst ). Die
 golian Murthen (lana amb 1N6t), it work on echoes of the (ireek herome equs amomget the Bongolians (1sth), and


Diblia. the moly ahid of the Roman emperom

 tinguived for her furbuty aml talente, and was
 the si-ters son of Amgntus. . Viter his death two vear later. She was marmed to Mareu- VipwithinAgriphe, the whom she lare thres - mas ant two diaglaters. He in his than difed in the year te e.c., wherempon Inlia was given in mariage next vear to 'liberius: his mother. Livia, the segmother of Julia, permating Angustu- to this, in orter to secure the sheconim of Tiberine to the thene. The marrian wan an mhatly one, and the em Whet of Jnlia lewelf far from irrepromelable ; hat it was Livia: hatred bather than any lufty resam
 ment to the isle of l'andataria. From l'amlatara. whither her diverced mother. Seribonia, atempanied her, we was yemmed to Hegim, where *he was allowed liy Tiherin- tor remain ilestitute even of common comforts till her leath in 14 a. b . Ller som, Agripla Pootumus, was put th leath by Tilerins shartly hefore the death uf his mother. Her other soms. (", and L. C'sar, hied in early age. Her danghters -mavel her. The elder, folia, inherite, her mothers failfy, and , bied in 20, in the isle of Trimpros, on the coast of Apmlia, whither
 betare for indnltery. The vomater the virtnons Aspiphat (r|v.), fien in 33 . in l'andataria, to whin -he hat heen lami-hed lay Tiberius.

Duliano arnamed the $I$ Insate, on accoment of his menmeciation of Christianty. Reman mparm from alont the end of ath to the midlle of 3 atis A. b., wat hom at 'momantimple in the later half
 Fomstantins, the half leother of 'onstantine the Great, and his foll mone was Flavins Clandins Fulianns. On the death of the steat comstantine
 there was a general mawarse of the mate banches of tho vanager line of the Fhavian family descented
 dhat. Thas perinhed the father of Juhian, his ehter hrothor. patmal mele, and consins, while he him--elf and his colder half-hother (balhes were athe spared an tow gonng to be dangerons, He lived at loweders ronth, under rionomsempanare at Macellum in Capmbucia and at Xicomentia, ambitered momower hy the teribld tricomy he hand just
 rogning religion, and drove hix itumt temprament for relifef inte the liturary and philowephical
 (1) have hern burn at Nombeliat and iomsmo

 hapry montho at Athens in the stuly uf timok philowhly, and among hii- fellow-sthitent amb


 was smmmond to Milan to aconme the ratmk of


Thue shy vanis -tumbt moved awkwarlly anial

 arnial orectyation in tha catme, and by his shill ame vigenr showed that loe was a moldier as well its at philowpher. Iha werthrew the stahburn ami


Frankish tribes along the fhime amb amoss the river, and tixed his winter 'paraters at Paris. Me endeared himself to the people ly lightening the jmblie budens, and to the solliers hy his personal courase, his suceess in war, and the severe simpli. aty of his private life. In April Beil the emperor, alamed at his erowing popalarity, demanded that he shmall rend some of his hent trops to serve against the Persians, but his solliers rese in insurretion and proclainet him Angnstus. He ucen phed sme time in consolidatins his power, then sent forward one protion of his amy through Ihastia and Noricmm, another he the nothem eonlines of laty, while he himself with 3 (no chosen solliers fhluged into the glommy recessess of the Mawian or Black Forest, and satided down the Dambe as far as simmim, whele he waitel to mite lis forces. Here he lirst threw of the mask and ofenly deelared himself a phan. Here alan he learned of the oprortune death of his comin at the foot of Nount Tanns (November 3 . 361), whieh opened np to him the swemment of the world. The first winter he sent in the imperial eity in a comse of pultie refoms, sweeping away a host of eorrupt otlicials who had leng hattenel at will on private hribes aml exactions. Towards chiristims and Jews alike he ostenta-tion-ly ahopted a policy of toleration, hat none the les- he devoted himself with all the enthusasm of the convert to the task of restaning the elignity of the ohd religion. He was assithons in the practiee uf divination and all other supurtitious ceremonies, renpened and rebinit the ieserted temples, and lavished his patwore mon the time serving reprohates who deladed him into a lelief in the reality If their eonversion. Ihe stripped the chureh of its peculiar privileges ly every mems short of persecutim, hat was mortitied to the heart by the little shcees of his ardent propagudism alike among the eitizens and the sobijer, althong the latter were unable to pay their due workip to the permon of the emperor without seminer to how to itels, from the subtle way in wheh the imperial and the divine symbols were deliherately inturmingled. Is som as he had settled atlairs in Comstantinople he wt ont on a journey throngli l lis Mimer to Intioch. Here he lived from July 362 to the March of the following vear, and found it- havions citizens as indifferent to lis pasamism as to Cloristianity: Feot his geal in reformation wate les hatefal than his ceonomic jolicy in tixines an athitary price on com in wer to stave of a threatedel fanime. The impmant Antiochenes revenged thematres mpn the sensitive empror by lampans and ridienle; yet he restrained his resentmont. or confined it to the paces of his. Misopenon, an immical sative on their efleminate manners, full of the interest of self revelation. His fammens attempt to rehaild the temple at Jerusalem was inturded to falsify the cherished prophecies of Chisiathity no hess than to please the dews: and the batls of ham which fromght the work to a stanktill were with we
 - Pecial interpoition of hawn. Muth has lwent written on this startling mary, which even Gibhm was ohliged to reemive $w$ ith some rearect, and the rase for the mirarle has larem ammially pat by Newmin in his Essat! on the Miracles in Ewily Eirlesifesticel Mistory (1s42).

In Mareh 363 . Inlian set wat on his long meditated expedition againat the Dersian kiner Sapor, amel after a tedioms marill comed the Timris, ami alsanced to the walls of etesiplon. He wits leel to alvane farther by the falser pomises of a l'asian trator, and was at lengeth forced to retreat thrmen a barren eombtry, under a bornine sum. and hamaned hy the swame of the lersitn cavalry. The enemy weme weatedy leaten oll, but in one
of the attack the emperor wav womben hy a spear-chunt in the side and fell faming imon his
 from the wound lat exelamed. Tham hat conguered. O dialilean!'-a bertieal tale that is at leat an emboliment of a hisomic tmoth. We wan carried to his tent, where, after a few words of lrave phitomply th his weeping frimus. he dion almat midnight on the evening of June eta. ats.
'Indian's life was an accident,' says limgnot. 'and at his death esents reverted to their natural channel. He failed completely in the aime of his life: and history says Mr Rendall, shows fem sadder examples of noble views distortong. ereat powers misaplied, and high aims whes than wasted. Ile was at once a soldier and a statesman wrapped in a stments eloak and his character was male up of strange contrats. He was superstitions and fanatical: lopuacions. revless. and irritable: without either the calm dignity of the Roman, or the graceful ease of the (ireek: rain. pedantic, and hnngry for applause; yet with a heart pa-ionately levoted to truth and athinst for the coobline waters of divine philomplys. He was chaste and alstinent, just, liberal. and athertionate: yet the story of his wasted life, with more than the pathos. lacks all the charm that hanse armonl the hrow of the imperial fhilmonther Aurelna.
To Gregory Nazzianzen, Chrysostom. Sozomen, Theodoret, and all the early 'hristian writers. the Apoutate was a monster of wickedness; to Claudius Mamertinus he was a figure above all taint of human infirmity. The veracious and computent military hist mian Ammianus Marcellinus and the thetorical Libanius are alike warm. yet discriminating, panesyrists. Of modern writers the most illustrions is Gihnon, whose account is fairly just and one of the most splendid jassages in histurical literature. Yet, as MroI. W. Barlow has showa (Hermuthone, vol. iii 1899 , his picture of Julian has suffered from the necessity for the appearance of anvere implartiality. He disliked his superstition, and throu chout he damms him with faint praise, and sneers at his virtue, as if it lacked the merit of effort. Even the allution to his uneleanly personal habits-his lung nails, ink-stained hands, and popuinus beari-is scarce justificil by the evidence, leing based on a mere ironical exaygeration of Julian's awn, in his Misonoym, to justify the excessive contempt of the over-luxurious citizens of Antiuch.
Julian's extant writings are a series of Eyinthes, mostly addressed to men of letters; nim urutions: "uesmes, a series of satires in which past ('psars are treated to canstic satire from silenus: and the Mhempmon. His most important work, Kuthe Christemen, is lost. A serviceable edition is that by F. C. Hertlein (L-ip, 1s-an). see volk. iii. and ir. of the Juc de Isoglie's LE Efise et CLmpint
 Kotert Jutien und sein Zutulter (1s13: Eng. trams.
 noth ilen Quellen (1stio-tiq) ; and (i. II. Renolall. The Einprror Julinn: Pafentisn und Cohristimenty an expandel flulean Easay (1-79); Bishop Jolm Wordsworth's article in wol iii. (15s?) of smith and Waces l/atimety,
 sorther fud Emptron (1-93). The essay lay Stranss, Ifer
 a cleser framphet aimed at Frederick Willian 15, if Prussia, and his relbions reaction. Iben's splenthd
 sketches a new ideal culture for the world to succeed the Christian, as it replaced the classical.

## Dulian Calemdar, Epocla, Viar. Ame 

Juliong. Spavishas Alrivir, a armat frembly



 the sthly of $i$ hinese that he mateteral ita ditli. culties in leos than a yoar, and actmally examom at Latin translation of the philosopher Mencinー1
26). From that time his laboms were dimeted with
 ture of the far Eant. Amont and madem Chiman. Manchn, Sarskit, ami the Monselian tompure were alike familiar on him: and at the stum time he knew almos all the Fonroman languases. H1.
 France. became in 139 k keper of the lawal Lihary, and in lait head of the Colloge lmperiahe. He wis also commervator of the liblinthombe Thupriale, and was specially charged with the areright of the chineve ateparment. 110 died
 versions of secimens of the Chine et drama in his



 of Indian nowede ( 1509 ). Ife wav ahor the tira to make Chinese pretry intelligible. Bnt a mure valuahle mervice still than thene was hiv tram-lating the erreat manuals of Chinese religion and phitosophy, such as the Live des Recmumerses of thes Peines (1335), in which ate comataned the loetrimes
 ley Latetse, writen in the bin century B.C. : mal finming the ohlest and most ilhotrims monnurent of Chimwe Miloomb: anil ahose all, the Hixtme
 a work of immense importance for the earlier hiwtory and weoraphy of India, and the kowledge of Buddhim. Hut not content with these lriltiant lakmor. Inlien tran-latel chinese treatisen on -ilkendure and the manufacture of purcelain. His - hemdia sintiatr Souelle de la Lenyre Chinuise allueared lisea-0.0.
Jiilich (Fr. Juliors), a town of libenish Prossia, on the liuer, or miles ly rail NE. uf dis-la-Chapelle. It is the Jntimmer of the limnans. Entil its fortifioations were razed in faro it ranked
 the 3 2th eentury. Julich was the capital of an imlepemdent ommonhip, created a durly in danto. In 1423 .tulich and bers (I.v.) were united: amel Clever was addel in figh. In 1609 a di-pute ame as to the succes-ion, which wat mot settlet till bibit. when a hecinim wan siven in favour of the llome of Pralo-Nenhurg, the Elector of Bambemburg
 coming extmet in 1-4.2, Julich pramed on the I'talk sublach 1ramch, afterward electors of liavaria. In lyol the duchy wan ammex on France, in fat
 (2vol-, 15-t-is).

Jillills, the name of three fanme, of whon the econd and thind hame orperially to he notiond.


 his carlinalate to the dowime of Nownher 11 . for the asyrandi-4ment of lia fimbily, and one af his sarlient meames on his election to the pentificate:

 bomian. Indin wa- limedi heyond all surpicion of nepriom or welti-h lowigns of itgrambisment ; lat hin phblie vareer during him pontitate wats almon
 frises ion the complete reocetaldishume of thas
 Ferrara. Ne. athe for the extinction of formon hmination sum foreion intluence in laty. In
 from the rephbiar of Conise the reatitution of tha
 tontern into the lewne of ('anbai with the lammon

 plating the repulie under the lan of the chath:
 anhitiono levizns of Lanis, her witherew fom the

 parties. Imang thi hiter gharel with Lamis Xll.



 opposing comath, hifth of the Lateran, asembled In Jnlin-, hat not handat to atome daring his lifetime completely frostated the hevish of the
 that Julin- in his hatam of France, tried to draw Mon the Turk intu the learme hat on the contraty one of his mont derished dreans was a hols
 raler Iulin- lat little to recommemb him in the eve ol eharchmen. A- a political movereign he
 lofty blats for the chory and weal of laty: and Profome het cmaidor- him, with all his defects, as one of the mollest chatareters of hat are in ltaly. II was a liberal and judicions bitron of at, and a friend of the rising litemthe of tho time. H. Niod in February bins. There ate Lives by Dhmenil (Paric, bis) and
 lame in lisp, wa- hown hofore his elevation to the pontilicate as Cardinald dal Wonte. He watome
 touncil uf Trent wanomed : and after his election to the bapay in lisa he himedy reonded (in lo.

 history an having sent ditrimal l'ole to orsanion with Sary the remion of the Kinndon witlo Rome:
 ly ne bey strikingemte, and hin, private chat acter is allied by the taint of melotion. He died in March ling.
 Wat lomat Kistemo. in the French department of
 and heatme a mombetor of romerts the will lazt:

 means of latere hame, the hest avalable phatem





 timels in the Deab on rich allusiad platin of the sothe mathe betwern tar suthej and the beas, in

 I matate The suil of the neighlamingul invery proluctive : and the city, though bitlen fom it

 Aleatmber- invation of holiat, aml is refored to






July, the seventh month of the yeat in mar ablemith, fifth in the limman admata, where it was ralled ?
 thell to thity, hat was sentered to thirtyone day by dulins fasar, ia homan ai whan it wan mand

Iuly (Lat. Intius), hiv hirthay dalliner on the I?lit. In this month the run leawe Caneer amb enters the sizt of hoo. Aromitior to Dove. the mean tembrature of daly at homdon in $64^{3} \mathrm{~F}$ : at 1 huldin, til ; at Arehamad, 60 : at lerlin, 66 : at Come, it. The average momer temperatnre at
 The e July Revolution' is that in Framee in ding 1s30, hy which Charles X. Wat set inule, and Lonis I Plilijpe lecame kins.

Jilliaders. Fubert of, Mrehhinhp of Canterhury, wa- ia Nomata hy lirth, and cane to England in the tratin of Elwam the Comfesor, over whom lat achuired ereat inthenere. Dle was mate bishop of Lomben in loty, and Archhinhop of Canterhary in low, and from the first was the head of the antiEnglish paty which gined a tempary trimph in 10.01 he the hatnishent of Earl (ienlwin and his ons. "Their retum next vear quickly drove hima into exile in Sommuly. The Witenagemot stripled him of his archbinapic, and he gment the rematime of his bife in the monatery of Jumicges, 16 miles sil: of linnen.

Jnmièges. Willism uF, a Norman monk who emmpile, in Latin a histury of the Duhes of Normamy from Liollo dawn to loin, which is of - onne value in ble contemprary part--the story of the ['mumest amf early reign of Willian I. it is pinted in Miane's Patrologiae C'ursus completes (mil. exlic.).

Dimillat. a town of Spain, 36 miles N. By W. of Mareia, coltivate the vine and exparto grass, and mandfactures salt, jatrs, silk, 心e. Jopt I3, s90.

Jinmina, or , wancs, the principal feeder of the Gingex. hits its comse wholly in Hindmetan. Hosumber, at a height of 10,849 feet ahove the sea, is in $31^{-} \because \mathrm{N}$. lat. and is $30^{\prime}$ E. long., 5 miles N. of damotri. After a sontlerly comee of 9 miles it break into the phans from the Siwalik IItls at in altitule of only $12-6$ feet. It contimues to flow -omoly in far as Hamiphr, leyoud Agra, and then turn to the east, himatly juming the Gomes from the right 3 miles below Allathatad, after a total eourse di sim miles. Io a rule its bank are high and cras.g. Xlany tributarios add their water to awell it coureht. Areat of the drabage hasin, lls, (th) sy. m. The towne of belhi, Agm, lïrozahay. Etawah, and Allahahad stand on its bamks. from eath bank of the river, where it -merges from the siwalik llills, a canal has been constimeted for irrigation parposen-the Lastern Jumat fatal ( 1 ex: 30), on the lof lank, 160 uiles, and the Wextern (1sli-2.0), 43 miles.

Inmpers. a tarm wiven hy apments to the Shakers (I. Y.), as atso to some Wroh Xtethoulints,


Jnmpins. Se AThlerte Sonsm.
Jimminiar Mare (fethetes raffer), a south
 Inelomgine to the same fanily (Dipoulinar) as the Jerhan (g.v.). The heal micl resembles that of a hare, atimanh the "ats arre shorter: the form of the hondy in abs like that af at hare, hat the hind logs are wor hog and atrong, like those of a kimgaros, and the toes hoth of fore and himb feet ate atmed wits great claws: and the tail is lomg and hashy. It phome of hangerne ext ramelinary; it elears 20 or 30 fent at a bomml. Night is its time of activity, and it then mathen mischievous intreals on tielids and sardins. Its thenh is raten. Its ramen extends from Aozambigue and Aagola to the Citpe.

Jonamirh. capital oi a mative state (area.

 of Kathiawar, NW, of Bmbay. Ghe of the mont
 whieh eontams several limbllion ratem, is luest

 24,65: (1591) 31, 641.

 with eroephing rout-atock; marows, witert liatulas

 mder is menty allionl to Lalitura, notwithotanding
 are the hest known examples of it. The suecies, about 200 in number, are montly natives of eomd and tempreate elimates.

Jnne. them mixtlo month of the rear in our valendite, hut thes fourth amonig the liomans, It comsistel brigimally of twontrosix days, to whieh four were adhed for limmana, mie taken away ly Numa, and the montlo aqain lenerthoned to thirty daus lys Tulius ('esob, sinme whase time no variation has maken place. Ioming this montly the sun leavex the sign of Lom anditentors that of Canmer. Ibuse Five the mean tembramame of thin numath at
 $66^{-2}$; Rome, 71.

Jning. Jonis: Hemutcin, generally ealled

 At fire be pursmed his father's eatlings-tailm and vilhage schoolmanter ; then ( 1768 ) he beeame a stubent of mealirine at strashure, where le wats intimite with fioethe, who almired his simplo, pure, alliedionate nature (see Wrehrheit und Hishtuny. ii.). Next he sattled (15:2) as a medical practitioner at Elberfehl, amb won fame as an operator for cataract. Sulnequently lie belal the Profesor-lip of Politional Etemomys at Darhorer
 2d April lut: He wam hromont up in a pletistic cirele, and the effect of his "arly traming elumer to him all his life. Althmorl he wrote some remimystieal, semi-bietintic rmmames, amb later in life works on politieal eennomso, lie only deserves to be remembered for his elammim: antobiomraphy H. Stalling's Jngoul. Junylingsinhte, IF cundersrlerft, Híustiohes Liben, ume Lihejohere (5 vals.
 wert pmblinhed in 12 vols. (stuth. In $40-44$ ).

Jungr. Sha Solar, ehief mini-ter tu the Nizam of Ifrilerabal, was a membur of a primecly fanily which sine the fommling of thes Ňzami - Ilyntety in $171 ;$ land furnished ther state with its ehief minis. $^{\text {a }}$ ters, and was lorn in lsou. I nuler him uncle, the chief miniater, satar Junse was trainoll in oflecial

 the alnainiatration of the stinte, then in at Inast deplorable condition. The fanmon wome in shels
 bay the traple the Niamm wis mermitted ly traty to maintain in his own mane : and in virles to repay the loan the posinee of bara was ceted to

 the roblure charis of the hill diatriot- wobe ernsherl;

 and rapaid of works of irrisation wome attouled to: atul sollouls were establinlual. Durimet the
 to liritial: interests in face of the oftraxition of that






 of ubtaininor the ratomation of the lierar provine hat in thi Yeats of wise government, le diod sumberly on sth
 mander of the stat of India.
 Maharajal, of गepal, was bum in 1816. Ilis macle held a high pasition maler the governmant of Sepral, hat was murdmpal at the instionalion of the queern, who appointorl the nophew, Inng hatantur, commander-in-eligef of the amos. Whem
 towk vendeance njon the lembing (hiofs conerrmal in the crime and manle limeself frimm-miniotor. I
 home ; the fuven amd the witless kiner weme han ished: and the haraturbent was raived to tho throne. Duriner the Jutiny of $18 \overline{3}$ h he showed his friendly ferling to the british by sembing a bunly of Gimorklat rooge to their ansistamee. Jumer bahadur was knighted am! recensed a livami Cross of the star of ladia. He died multenly, ënth February 1s:7.

Jnngermanniat, a limarith genms of ery tryamous phants, enntaininer a erreat umalma of pretes, which mane modern botanists late divilual into many confat, and some have even fomed into


 -nb-order are that the sponctomen open her form valves, and that the speres arm mised with chefors. The speeies much resemble momas in apperaramere. Many are natives of Britain, noma of then bery common in moist phees. Thu tropical sperins ate very mmerons, and some of them are to bra fonmel even on the young shont anil leave of flants.

Jnngriant ( 'the Mailen'), amaniticrat peak
 It receiver its mante eithev from! the masmllied purity amd dazaling brightmexs of the show lis Which it is eosered, or frome the fact that un tratref. lev had ever ramoluod its highost paint. It mammit was first asommed by two Swinn gentlemen, named Meyer, in 1sil. In 1590 a railwiyg from Latuter brummen to its summit was projected.

JIngre a term now fully alopted into the English language from Bemgal (sumbkit jommolo. - desert "), and employed to desirnate thase thid hot of trees, slirnhas, atmil reerls which almmad in many parts of Imbia, ami pratienlarly in the unhoblthy tract called Torai or Taravani, alomg the somthrim base of the Ilimalaya, amb in the smmbatimn (If.v.) at tho momoth of the (ianges. The jumblom we often impasmahhr, fronn the thiok growth of maderwond, tall nrisomes, mad elimbinig funts. 'I'hn' suil is cenerally swambs, and tever ant otlos

 le fomme in wreat mumbers in these thathets, wit $h_{t}$
 jumgle dura and fanna are bry permbiar, and the mointure and hoat carry at trabioal veretation
 valleys of the llimalaya. Sea Immat, liexiadi.









three mall mots- 'The sperie are all erompeen, and have small, narso, hind leaves, whith are Mpmeite, or in whorls uf thee or foure or imhricated in four rows. Thas are natives ehied! of temperate amd cold rewins, amblan fomb in

 of Europe and the north of lia, and in the north-
 ciremantances dow it hecome a tree of 15,20 , or at
 -hub fom 2 te lifeet himh. The fruit takes two sears to ripen. It is romul, of at hidr-hack colonr, with a whitia homm: is of the size of a



Fig. 1.
u, Junijurns communis ; B, J. sathina; $\varphi$, J. chinensis.
The little ant- or stomes of the finit have on the shell thee glams, which abomb, before ripenines, in :un ensential oil-oil of Jumifer-present also in the yound wool. Thi - il changen wa trae tarpentine when the froit reaches matmity, so that to whain the oil the green front mant be used. The "ond i- yellowish red, bowni-h in the heart, haal, and fragrant. When of sultionent size it is math vahod ly thmer. It is aho ued for vencering. The bertion have a strmg amb pecular llawom, am ate thuch wend for thaming gith, which leriver itname from them (see Gix). They :tho enter into sewral mendinal prepatations, being stimulant, sudoriter, and dimetic. Oil of juniper is lighter than water: - pecilic


Fig. 2.-biranch of $J$. mommatuly, with fruit. eravity, 0.839. It is limpid and nearly colomilens, and is ohtaned by distill. ing the untipe flut, or the twine, with water. -spanish - maper (J. weryed) ras) дrows in and sithations in the commtrios rombl the Wealitarnam"ar kat Its fruit is alunt the size of a hazel. nutt: and from its frat and wome is procured an exantial ail of dinatrce
 in wherinaty partice, parthelaty atm ane for
 the liol Cemar of Xoth America, in an ever
 with horiantal hathlow enfl wory mall leaven, The bermese wall and hight bine. The heart whal in of a beatiful red colour, vahad by turmer
 pactioally sumpented the now satere bemmedas Cedar ( $\mathcal{L}$. bumemen), a lofty bee "ith rery fragrant bedi-h bown woml.- "I's." llimalaya lomataims produen several -pari- uf jumiper trees of considrably -ize luatiind apheathers and valuatle woml. -The swemish juniper of hritish shableries is merely a variety of the common
 ately treated. Seesional.
 letters signed dmans, whish alperal in the P'uldic

 the anthor, and repintel two monds later in two

 hambed and thinten letter in addition to the menenty in the anthar's colition: tive only of the

 the fint which appeared with that signatme. Som after lumins hema to write he attrated attention owing hoth to hi- apporent fandianity with enrent politice and motalle permons, and to lio holdness in commenting uren them, the clinas being reached ly him in his letter to the hine on the loth of Decemher 166y, Wrobliall was, prosecuted for pinting and publi-hing it in the Peble - lefectiver, and :ugnitted on a technimal pinint, while Mmont, a luokeller, was punished for selling at repint of it. The ablacity of dmins in hillinse fienee 111. remember that 'while the crown was acyuired ly one revolution, it mas be low thamer, simulatel fublice cunionity an to dhe witer of that letter and others. Binke was sumally spmesed to he Junius thll him henial was acepted as conelusise. Amone the many suppeal mathon the lettor were lam shellmme. bare lam deane Sachille, Wilkes, Home Towke, and Thomas, Lord Latelton. It was not till after the pmblieation of the edition of lster that the name of Sir Philip Francix (o.v.) was puldicly athmed to he
 the dise to adrance what is mow limwn as the Francean theon. He wrote tho lank on the sult ject : the firat appeared in 1813 , and was entitled A Derverty of the Author of the Loftes of Jomias; the necomi in 1st6, and was entillai The Identity of dumins aith "O Minafonshad Liting ('herater Eistahlishect. In the lirst Taylor ingued that the letters were from the pens of Jh Francin and his nom: in the secomb, that tho som was the sule anthor. De Quinere, Eatstanhome Land latembay, and other critien and hastorianoof mote have accepted the Francisan theors. Tayhor wa led to frame it ly reading a hetter which hat allumed in the
 Veteran, in which Lom bamingtan in elarged with expelline lrancix from the Wiar Othere. The " Memoirs of Sir Philip, Francio lay lanken ant
 letters from lrames in which lue wrote that he had revigned his cleshalip and declimed pammetion to a higher frost in the Win Othere aml that he was on terma of eondial intimary, with the lam harington whom Veteran vilition. '1lar extant manmerijets of
 hamb, and mans fatiod premblamen hate heen thaced betwern it am Francion nathal hand. Womball, the pinter of thar I'uhlis Achertione, Tomkins, the primetplating manter of his day,
 lamdwriting of the mameript to la mot only: natural, hat to hatir at clowe resemablanee to that oif many men thed women who lived when dmius wrote. Momenomit wan mot till half a centary after the publication of dmans: own edition of his
letterx that the theory of at di-wniad hathiwtiting
 the nattural ham of Franels wate unlike that in the
 Pronf hats yet emmetal Francio with Imins. 'The
 a monters. dumb was mot the only ingortant pelitical writer of hin time many othels latire comphachs amb admired, yet the lettor of Willas

 were they on carefully palinhorl, as the letter
 a pattem for the loating anticle. which were an-
 now inthence pridic - pinion.




 H. K. Franers, Jumens fiecented (1s:3).



 nays, in a familiar tern for the walt meat sumpled th cowle for long worgex-the name heins profally dorival from the fact that it hecomen an hare and tomary as wh singe, piece of which are ollieially ntyed junk.
Jomber. Whatelag traveller, was bern of
 atodied meshicine in (inttingen, Deslin. and lratue. l'romerelines to Africa in 1sit, in tho firat instane
 a serien of exphatism among the western tribmtarien of the Clper Nile, fing an far south in the Kibli, a fepaler of the welle. In the rear follow
 and thore inportant jornes, his objeot beine to Paphre the basin and come of the river Welle Mahuat, which he follomed lown to $-2.47^{\prime} 40^{\prime \prime} \mathrm{V}$. fong. and $3^{\prime} 13^{\prime} 10^{\prime \prime}$ S lat. Thic diver was wenta. ally (end of lssa) provel hy "aptain Van aide to he inlentieal with thel "hamid, a sieht ham athume of the longo. After -peming fome yous atmory the Aombuttu and Nian Nian, Junker prepared (1) return home, lat wa- premed fon getting back to Erypt in the Dahdis revolt, and hat to remain with Comin lanhand Casati. But in the





 15:90).
Dondicrs, the mame commomly wise in the

 Tunforthom wat a term of reprath anel in the midit. of thor l!th contury lo insinnat. the


DIIIO was the the liment the alatration of


 matheremyth for the explanation of thin aldits. i-


 the trew. to the - watw and the the -homernm, it -pirit was angignel, which tane into berine with it and perished alone with it, the mantepart in the

the man the mate genine, the the womathe temale
 ine thin lofty: June is the conatropat in the -piritual domain of the female prine if in the

 evell the stane of the promes wele oprithalisen ; 1han, for example, in the paters of the hamambman there wat invoked the spint of fallowing, of phomhing, of farowing, sowing. (owering-in,

 the imblation thas given ns we ohsme that mory step in the life of woman, every buetion of the Prmale principle, was spilitmalised be the limmans, as is shown by the varions titles given to domo", Virginemis, Natrona, Natalis, Juga, Jugalin, Curitis, Dhmidna, Iterduca, Imaia, Irommba,
 -piritual eomuterpate of he varions phases of womat life were, we may anmme. probably not urimatly all supped to inhere in one indisilual hoty, but were separate amblimpatent. . 4 mi
 thenes varions spints-the abith of marriage, of liirth, of trabiall. de. crime terentually to he
 manifentation of one and the samedoity. What, then. Wase the threal romel which thane idean no to yreak aryablised: It was in all pornahility the hisure of the Gresk thera. This modenbetly
 of Mashat diameit at an maty periond the fomber Jums hecame inentilied with her; the varions attrihates of Virginemis, Matromi, 发e. Nere maturally assigned to the new, anthromemothice Jnas ; aml the other resemblances hotwen dun, and Hetat wore lans eflocteal at this and later times by the Lomans from tho Greek. Jumo as she appans in Cirsil is, of compe, a reprotaction of the llema of Homer. see llelis.
Jmot. Axberme, Dhe el Ahrantes, one of the great Naphenis penerals, was lom ontolner es:
 army as a colmoner in bog, and listimpisimal himelf in the raty war of the remblie. Ilis
 herenried him with hime to Eqyt as aljutant. At Sazareh he covered himself with elory be potting 10) thight as many as 10.000 Turks with hat :3nt home: In lath he wa- made gevernor of laris, ant, aftor as shor stay at ablamador in Lisbon, wat appeinted in $1807^{\circ}$ to the emmame of the anmy for the invasion of lornagal. In a short time ly his rapidity amd skill he mathe himself mather of all the strong glates in the kinglom. Fion his
 and :apmintal governon of lontugal; hut he span-
 grality, and was ere hom worvery defoatiod hy Wiedington at limiorat that he was obliged th romblude: al convention at lintra and retire fant


 "lhia, adeded to the adeot of former womblo in the hearl, bromat men mental derangement. Ho wat









 aweral mimer work.

Jintia ('assembly), the name wiven in fain to a body of presom combined for political or administrative purposes, whether smmmond ing the sovereign or meeting on their own intiative as representatives of the feople. The most famons is the central jontit of tsos, with its provincial juntas, chosen for the combluct of the war with France In English history the Whig junto was the name given to the chists of that party in the reigns of Willian 117. and Anne. The dunto wats also the mane of at febating mocioty fomberl by benjanin Franklin, whith Reveloned into the American Philomphical Soriety in 1743. Were also may he mentioner the interime committe of the pionemmeil umber Charlew l., which was the germ iof the monlern cabinet, and which Claremban says wat repromblifuly eallen the Jumeto. Its pineipal members were Lanl, Stationd, and Cottington, the Chancellor of the Exchentuer: the others were Juxon, the Lord IIinh Treasmer, the two Secre tarips, Vane and Wimeleank, the Marquis of Hanilon, and the Earl oi Northmberland for omament.

Jnpiter, the chief got of the Romans. Etymolowieally ilentical with the Sanskrit Dyans, the (ireek Zens, anll the Tentonic 'Tia or Zio, Jupiter is one of the fow gols that can safely clatin tolo descented from the Into-European primeval perion, and consequently one of the few exceptims to the rule that, if a deity is common to the Greeks and the lomans, he was, lomowed hy the latter from the former in historical times. bin though lupiter was known to the Italians from the time when they first lecame a separate hranch of the buth-Eurnpean people, it would be an error to imasine that everythins that cau be predicated of the Greek Zens homits goni of the Romat gont, or that the attributes of Jupiter can be ascribed indiseriminately to the Greek deity: We do indeed lind that the same tales are tuld abont Jupiter by Yirgil and Orid as hand heen related about Zens by the direek bets. whon the liman writers imitated: lat it by me neans follows that these tales were homa to the Italians before their contict in histmical timeswith the Greeks. On the contrary, it is in some eanes perfectly emertain that the nythe were lonrowed by the limans from the (irecks. Fon instance, no myth in which Apollo thymes along with dupiter cond posibly the an orignal ltalian proluction, becanse it was only in historical times that the worship of Apmllo was intronluced from Grepce into ltaly. In this article, therefore, we munt refer the realer for all that regad the creek gen to the article Zerss. But, allhogh we pornse Gere to conline onselves to the lioman teity, it is by no mems pasy to determine the ontline of this figne in metholigy as it appearel to the religinus conschonsmes of the Italians before they "ame in contant with Greck thomght. We have lmit little direet information as to the Italians of that perionl. A iew of the indigitamoute or formular contaming ther pepthets of the gools whicle were meited as it sort of litany by the laman piont have sarvived to ho, hut not chongh for our purpore. We are themefore rednemb to senemal considerations. Ami from this peint of view there is no reatm whatever for :asinming that the resemblaner between lupher and the Greek hens was oniginally any wrator than that hetween sapiter and the sanshit byans
 thener that the: ancestons of the (areerbsand homans dwolt together, aml apat fom the rest of the Imbo-Enropean family, for some time lefore immigrating into larir reprertive listomal abolen, the rave was ditlerent.

Now, howner, thi belawian theory no longer hats the satuetion of either phifology on arehamong. We mast, therefore, conceise the fillerence between
the origimal Italian Juphiter and the Cirelk Zean to have bera letcrmined by the gencral difference le-
 words of Mommsen (History of Liome, i. 28), 'As the Greek, when he macrificed, rained his eyes to heaven, so the homan veiled his head; for the mater of the fomer was sisim, that of the latter rellection.' 'The Grech gond were thormagly anthropmorphic; they were represented by their pets and their seulptoms alike in the iniagre of man. The gols of the kmins were much nearer the eatier stage of aimism; they were fowers whose goomfarour could be propitiated and illwill averted by the proper ritual and by sarrifice. Int ther were not subjects for plantic art until the time of Greek inlluence. 'This diflimence will at once account for the fact that no my whater attach to the Italiam dupiter-all that are relaters of him were bormed in late times from the (irock Zens. What we do find is that various epillapts, suchas Lucetius and Elicins, Inbricitor, I'rodigialis, Depulsor, de., are applied to him. And we may eonjecture that all such epithets were probably, as smme certainly were, origmally part of the imblifitemente, with the recital of which the loman prients sought to secme the fivom of the gom. fin the next place it is to he noted that these epithets temed to show that Jupiter was originally to the liman just as abstract a figure as Jauns ('the spinit of opening'), lurentus (' the spirit of vouth'), or Forculus ('the pririt of some'), Limentimus ('the -pinit of threshohs'), or (ametea ('the sumit of lom hinges'). And we may conjeeture that the liomans, who have retainet the onginal Indo-Earobean word for priest (flemen = Sansk. brohmun) which the Greeks lost, also present to us the original amimism of the Indo-Enropeans mune faifhfully than loes the anthropennmphism of the (ireeks. That Jupiter was to the Italiams, an to the ludo-Europeans, the spirit of the shy, is sluwn by his epither Lacetins, which ocemred in the saliatie Ilsmas. The same conception is at the hontom of the eprithets which designate Jupiter as the spirit of thanier or of highaning-Jupiter Tomans, on Fulgur. As Jupiter Latiaris he presided ore the Latim alliance. As the supreme pirit appurenty her was besought to grant victory in wat, and hence the nomes stator, Feretrins, Victor. The vintane alan stowl unter the care of olupiter Liber. The Thes of every month were sarred to him. He was alas the spirit of wathe, bius Fitius. Finally, althomgh many of the epithets applied to him can at once be recognised ats apmopritte to the original Whacter of dippiter as spirit of thu shy, such as Elicins, Fuhmator, Plusine, Imbicitor, Serenator, Almus, Frugiferns, there are other, such as Stator, Victor, \&e, which ammul poribl be denbed from his functions as a sky-phit, athl whel must thene fore be aceretions, pomilily seonting from the infentilication of the Roman dnpiter with the chiof forls of the valioun allied states. The epithet Capionlims is derived from the temple on the (:apitol hail ly Tarum, and the spirit inbabiting that temple wis, compared with the rest, bupiter Optimus, Maximus.

Jupiter, Ser Flonets, and Solah ststen.
 shime inland, mile NE of lay, and $2 \frac{1}{2}$ milen 15. of the neares point of the mandand. It extemis
 ${ }_{3}^{3}$ mile, at Lanh Tarbert in the midde, wos milen: aml is 143 ser. In. in area. The western side is rugred and desolate. the eastem green and plas-
 fret hish: and most of the surface is deer-forest. l'op. (1831) 1312: (1891) 619, meaty all tiaelicpeating see Ilebrides and Cohbinhbkin.

Jurat. al mane of momatans of a puraliar lime thas formatiom, walitio in comporition, and wener ally eallen Inra-ic. Which extmble from the atme fromed hy the Rhome and the Sin. in a borth

 "onme of the Man. But it is manal to rontiat thas natue to the ranges that he aloner the fontien of Switzerland and Frame-manls in the depart.
 phatean about tis miles hone loy wille with and
 peak= are Rerolet (nita fat), (ret de lat Xeime
 Tha eastern fare is much the日er than the western.


 impatimere. limetmon cave are funtrons, and they abumb in maniticent stalatites atme in the lames of extinet animals. Shar rivers of eomatur able -iz. sink into the !rmunt and reaplurar atter
 'remas. Fine gimeforests are a characterintio featare of the wimers.


 if the luma Unmtan, are thimhy wombd, hut have alon many paiturpa and mpature of the fort of the Jura come shel vine landx. Tha river valler sure fromed to the coltivation of grain


 ale the wokner of min. Nomemaking, watho makiner, and thomy. Trm, alt, marther day (for forthery , and thif arm tho mont important


 Sinnim.
Jhracie system, the name siven the that




 the month uf the Then and Filey Bus, and -troth
 af the Eratt that of limanh and 'ambinder. from











 neath which that Jurawio -tatia dombelo.e ran













 north-rat and the sombliof spain.

The dmania - - -tem of Emrope has heen amaneed in the fillowine ermun

 blat?


 Marmer













 Hather.

 at ain i com-ileralale thieknes. Thersofemis nit laredy foxdoned in Surth Amerion (Siera Nevala
 for its ramakahle repilian ramans. limally it may har ahden that Jumasio rows hase hern weterted in spitahergen, siberia, Abstralia, Now Chtodmiit, and New Zualaml.
Itfi of tha Periorl. - The prommanat form-


 for-il frats which are almatenty reterable tur mir -row-phes (bandanacer). This veretatim was wion motal owe the wathis sulace, flomi-hing ahmianly in britan, and extenting far intor the Artic (incle.

Tha hamy elawe of the amimal hingentome wer



 vert haiding family of staremats. Nany of the lime-tomes of the periat. indmed, fartimbly the




 - tarli-hes and hittle-stare The mos proniment


 ing ancestral forms of rowkerh, wrawhopm,
 Dathinpuls, whith Gommit on chatartatiotie a

 -till imlitidnally mamerome. Tow of the whl



 the inationlante Uh" (ramia, Limgata, binima) Whim apurarel fina in Camhrian timm and still





 now male the in firet apmaman, the man impunt.



repu-shell- de. of exi-tings seds : and it htay le meted that the earlipt reonernivable freblwath umivalros
 lint the most charaderistio mollases of this periond were the peplatopors, both tetrabramehiate ant
 rlivision, weme reppenented los many form al
 chrmieled: and tho lattor, of entlle tixh divi-ion,

 sentations of the -ham- and mas. bat hy lar the mos impurtint of the verturatios were the reptiles, which llarished in extramilinary abmolatare daring duramic timps, aml may well has silll to he the wont =triking and chavieteristic life forms of the feriml. I'helumians or turthes, lacertilians or lizards, and erocoliles are all represemad : but the most "hameteristio reptiles were the lane sea-
 and llinsamm-(y.v.). Inother rematikate wrons of reptiles were the perosume or winged samians. of whiel the most moted was l'terndactylus (!.v.). Comempramonns with these were great bimonam (q.v.), such as (etensamms, Megalosamms. Stlantasamm, de, while bind-life was reprecented ly the
 tail. The higheet forms of life were small marsuital mammals, some of whide wrem to have been insentivorons, while uthers were herhivoms.
 area mow occmpied in the fritiol hamd he the odner rueks appears to have has for the mot part dry lant. "The seat coverel the mortheant comer of lurlami, and extemied aloner the weat erome of Scotland over the site of what is mow skye aml it semm: in like mamer to have oevopied the Sumb Sea "promite the mat comat, a furtion of whicl in Suthorland was cowerel by it. What are now the
 tha hejehte of levon atm Commall, together with
 Laman, were the ehisf land-areas in sumth britam, su that moary all lingland was butter water in the eatime stages of the Jumsia perime. 'Tho stome seat sweyt ofer bant atean of what in now ther Enmpan continent. The ahber welay in the nonthWest and northeant of France amb the central ןlatean of the same conntry formerl hy lamb-alt the rest was shlmurewt. In likr mamer, withe renions in Stanin wera maleo waler. In midtle Enrome the sea coserod nearly all the low fromma













 monthron lame is shown hes the fite that, while.


 entu:alin.






of rather shallaw-water combitions: lat the waters were aiten sulliciontly elear to favom the ahmalant Frowth of coral rate diter the deposition of the
 mow the low - womd of Englatad. The sneceding
 water wigin, :mberm to have berm haid down at or mate the mently of smme bare rever, which probalily tomk it rive in the hill of burlame or Wiles, and thowed somth acros the uprationd herl of
 ar less abmpe change irom seato trexl water are alhmed ley the durime of eentral binmore as in marthen Framee, Hamover, Wexplablan, amb the - Marir in switgerland. Whilo the durassic of central amd morth-westem Earope would seem to haw acemmabatod in somewhat shallow seas. the emtennpraneons st ratia of the Mealiterrantan hasin have a deembelly more probaie aspoct. Jhis semthern hevelopment of the Inrassie is somatimes ralland the Tithmian series. It is recomiand in the
 and Dammatian Mp, and the ('arpathians, and extrals into nothern dirian.

The mimatio cmmbitions of the Jnasacic beriod
 inse corals, for example, thomindied in latitules which are now some blon miles morth of the preent range of refflmillers, while cuttle dishes and Ammonites amd latge enaliosames lived far within the Iretic Circte.

Duriell. Sev lonRedT.
Dulient. Inemie (160-17:13), a Fremoh Pro.
 reabiom lipircopal ordintion in England, and
 at sulan. On the revoration of tha Eubiet of Ninnes (lisis) le berome protor of the Wiallonn
 himati in intraprotins the Sporalyo and in de. fombla! the Protestant fath alike araimst Amanld, Bumant, and hayle.

Jurisalicilous. in I.an. mean the antlority "hach a comat or yudqe hat- to antertan a particnatr
 come whirh has no jurivinetion to dembe a partionlar case does alecible it, tho. julymme is a mere
 as in the cone of a commis rame: ar fermally, as


 a* to the nature of the plostinn- to ho determined, whether arimen or civil action. lurishetion is

 or mure comet- at the rhine of the shitor. In
 misht arixe from erth of the robur- rlatining to








 on the ather hamb, when the womt lanine jurialic-








sense the wom mane merely kowlender of the
 law, from which it law luen lumbern. The word is often und in a pormar eme in tritain as syomyonar with law, and it in alon no ned in France: lant it is mate correctly now in anotradis

 which forition law i- frmmeni. The latituters of

 and haman, the wophe of right and wrome. I distinetion is sometimes male hetween peneral jurispudener, which inventigates ther pinciphes
 ind thene of their lomal, partial, and ahor ateddental fecoliarities: and partionlar juriomodener. which comtimo itorlf to the particular laws of any country, ay Enctand, or Frame or Seatand, as an indepmatent -y-tem taken dy itself. Junin-
 of all thon dutiw which are anforen letween man aml matn: :anl bet it may loe safely said that lawron theneh dealine with the remilte nf
 any attonton to tho latent and weral pinciptes on whill thon runtre are fommed. The science hat bern culaisuablather by stalents of phatosophy than ly lawnon: and the dithactive colours of
 scotand have timat the jurispmence of the several montrio. The utilitarimion of Locke and Mill har siven a prationa or empinical
 sem in the heal work of Hobles and buthan, and at it hambet in the ca-t inm" syteln "f Autim, whow lewturn wore lone the first Enelinh authority on this onloget. In sootland, on the otber himat, a montani mamion of another tomb. ency hat han mantained amons seientife jurists sime the time of lank stair. sentti-h purixpromence ha alwa- hat at chser allinity with the syateme of the philowhhal writer of France
 law of matho rather than man experimental comparisonc ut varymy -when- of puitiwe law. It is develoned in the work of Fromon, Wavid Inme, Alam smith, busala stwwint, and l'rofesoor

 mothonis of trathent for the histarimal methat, of
 was Sir Hary Daine In his whrt the doment
 a stuly of the hivors of lexad emeneptims and
 ammery

 ment bratly dare In almont all satume of law
 some part in the imhinitration of ju-tions 'The
 mondon jurymon: and lin juhto wa in fort a

 magitate. In ammanition of Tembais arigin.








 rhl time, withowel ba a himl of jury of townmert.

 carton in the flomso of larliament ralumber this
 Mestory, chap. xiii.) attiallace grat impartanme to the popndar dement in the andent comb: lint lae (races the mendern jury system tha liratiola migin. Inguiry hy worn forognitors, ats demilual in The Frank Capitularies, may have leent :ulapted in part from the liman impatal lewination. In troduced into England be the Noman ('ongomer, this form of inguiry was develoged into trial lis jury under the inthence of the Plantapand kings and their leqal atvisers. In course of time the "juratores ceased to he regaded as witmes.a, or as judses of haw and cuntme thery artol on proof lail hefore them, and they took the law trom a presiding judge. Thor juitixans ui royal premative would have gone further : they woma have ingrived the jurymen of their indmendener and conamolled them to find the verdiet dietated hy the judne or the alvises of the crown. Afore a long strisede the independence of the jury wis vindinated: while at the wane time the jullows were fred from sularrience to the awn: the functions of julge and jury wore amomaly ditimguthed: imit the rules of midence were heveloned into a rational sostem. Tisal ly jur is prized as me of the chief sifematho of the liberties of the snliject ; it is almitod to lie the bust mode of trial in criminal cases of imporane, and in those civil cases where damazes may have t" lus asessed for wrongs which affect the 1 uron family, or reputatinn of the paintifl: In molinary murantile cassos the tendency in Englimel is to dimene with juries: the aljustment of forperty riphts is also left, for the mast part, th the julges, in political cares special importanmer attacher to tho rules of haw which secure the surdinn of a farly
 mondern law to prick a jury with partisane of tho novemment: In thase pirte of hrlam whow
 for the crown have leen foegnontly athead with makinge an unfair noe of their rinht worder a juror to "and ly when his mame i collod; lut it may in well to juint ont that jurymen are ti: hat to he intimidatel ly the perlm, in case in which party teding is derply aromed in Iretand, and that the democratic pint is net always fammalide (a an impartial alministration of justice in any combtry.

In the momem criminal fratime of linighan ami hreand several form of jury ate in thes. Tho Commers dury com-ists of tively mem. whally

 sudden death, $\mathbb{E}$ e. If their inguinition, or pormed


 and not mare than twenty than mon, smanamed

 (riminal comet. They heal ombly witnowe for the froverntim; if they think the minnere whilly insulticient, they ismone the indicthent, and this forman indomen it with the worls ' ne tran hill.' If they think thare in at and whirh the teromed









 a cane of futhes : amblather the mand or the
 (anse shown. When twelve men have benn vomm, connsel and witnesses for the prowerntion and Whenere adhlosin themselves to the jury ; the judire intergases to decide points of law. or lo remind abmanel or witnesses of their datr: at the clase of the trial he sums an the evilences and states Marly to the jum the question they have to Weoblis. If the jurs retine to amsider their verdiet atn ollicer is sworn to lieep them withont meat, drink, or tire: hat the juldre may allow them to have a lire and radomahbe refresbment. The verdiat of the jury mons le manimons: and it is, manerally seakinis, comelnive: the prisomer amnot be tried arain on the same rhatere fommon jumos da not ren+abe any remmeration. In an bulictment ur erimimal mfomation for libel Fox's

 juthors. in rertain prlitical catass, had directed the jurs tor time the defendants grilty on poos of julli "ation of tha paper clatrged to bo a libel: and the atot clones the liat stloge in the struggle for the imblymence of jurim in aimimal cases.
('ivil rase whinl come hefore a julge and jury may be trial ly a common jury of twelve men, Whoe manmos are ealled lrom the sherill"s jamel, as in ariminal cosese both perties lave the rioht of challonge to the armor, or to tho name of all inti-
 domand a peoial jurg-i.e. a jury rhasen from at - promial lint, in which are entereal the maner uf
 than is rapuived in the rase of commom jurors. Slecial jurors are joid: the fayment is hamally at the rate wt one whene for rach rand. The jury mast he manimons: lat the verlist of a majority may be takno ber eoment of tho batios. If the
 sent, and the cave romes to ant ent. In the combty combt small rivil eases are sometimes thed liy the !uman and a jury of live. For the nse of the trm ing in emmertion with mamorial pomets, see II INOR.

In Sontland furty tive jums are smomoned in
 try the can : the veraliet al a majority sublices. The ranm amb the aremeal have each tive geremptory




























 Kopt there lomes in deliberatim, nind or umpe of
the jurv agrey an a verdiet, then bertiet is taken as that of the jury. If, after lewing inclosed nime homrs, the jury cimot ayree, the juige is entitled to dimelarge them, and generally does so. The budge may allow the jurs refreshment after they are lockeil nu to delibriate.

In Ireland the jury laws are shlutantially the same as in Eneland. 'Intil the jasoin"on the Act
 clap, (6, , molilied hy 39 and 40 Vict. clatp, 21, by whiclo the empanneling and summoning of jnries is mate the subject of mure stringent provisions, the law in Enedand and lreland was predisely similar. But special legislation has from time to time withurawn from the comsidoration of juries in Ireland for a limited berion artain rames of an aymatian or 'fuasi-politiend' character in times of great nationsl excitement. Biy the Crimes Aet, so
 high as that of improing sentences of ix monthas imprisomment, on conviction of cortain specilied otfemes, were ronferred on suecially comstituted magiaterial conts sittiner withont i jury. And proval juries for the trial of crimanal charges may be ampammelled in certain cases.
 not only with the ordimary riminal lusiness pros
 the ratire beal woverument of the cmatry, commty by eomoty, mond as the smme was fammely carried on in Enslame by the juntiore in gnater sessons; hat the lrinh Joneal Govermmath Ler of lsos with. drew all its administmative fmetions, ami conforred them on Connty Commeils chortod triemially. The anthority of tho lriah grand jolios dated from Inglo. Nomman times ; and liows. chelom, ablatralition of 700 years were smmmer ap and ancortanined only in ls 36 hy the hioh (imand dary Aer

In the lonited Ntates Engli-l pinniples have been odopited: and trial lyy jury is malle part of the mastitution in most of the states. flare aro some states in which the jurore in empunared to deride fuestinns of law in arminal canes, and in como the jumge is forlidden to chang the jum on the fiets. A rembet "in bue returmen only on the manimoms
 tiality, each juror is reguited to , we ar that la is fred from any prennerived "pimion an th the ease
 "nere his elecision. Thu law pronit- the ehallenging of imdividual jurors, buth leremplotily and for
 ahored for the phature of delaying jontice, ats, for rxample, on the thial of the mburberes of the
 have bamed their jury litwo. for the most part, on thas lominh motel.
 the verdiet of a majurits in mollienent), and ins many nther comthemtal emantries, in most of whell the institution will low fomme to lexar a




 I'turdidere.

Dnlymast. a tempmary phar, nsed to replace

 permanment repair.

Jis Devolutuma a plarase wi merleniantical law Had to benote the right of at chmeln tore sent a minintor to in vastat parish if the patimon




We presonted to the presleytery to suplly the ware within six montlos after the oecurrence of the vacany. If no apmontment is mate in this time ley the congregation the right of presentation acerne to the presbyters, and is called jus dicolutam.

Jus Mariti, a phase used in homan law, :und adoped in the "bouth law to denote the lemal rinht accuing to a buatrol que has band over his wites property. See Hesband ind Wife.
Jus Primil Noctis, the right of vetoma tion of virgins, granted on the oceasion ai a marriare to it sperial prisom, is it whaf of a priest,
 Cariks, and certan bazalian tribes. We lawe accomen ly early travellers describing the enatom as evistini in Sicamon, Tenerile. Camboria, Malalrat a and singuhninn asepite that the French

 up the andent risht. Ammor many silvases a similar mivilege is trealy gratore to all the guesta at a wedding prohats at survival of a rewat for help in the ahlurtim, athough Lablume ingenionaly attropets to explain it as orixinally an aet of expation for intividual marraze. Agin, a period of privilered anl mamited license just lefore mariare is mat monmmon; white we often meet with the pratice of lomping at wife or a daughter tur a stranger from primitive notions of lompitality. It Karl ichmidt in his embite work, Jus Prime

 existal in Enmpe, havines loft no exilence of its existane: in laws, hartors, dertetals, trials, on glonsarime, and that the later belief in it is merely "rin endelater Mworghate" whinh hat arisen in rations ways as fom momets of imliviluad cases of tymuny and from an unnowsarily ormos interpetatim luing attarhed to the line jaid lye the vassat to hio finulal lond for furmisima tomarry Bach-
 frimer umtis surnion to a special prom as a survival from a primition stage of promiconity or comb-
 in "mara of time takon ably from the commanity and tran-ared to the prow. kins. of male as its chiof pepmentatio. It is probitps nome simply to be mulestonil as a mere triluth that may he exatol is a right los superim pumer as has the kine of Dihomey; or at supene mark of hathe
 andont singural privilere is the ontral pint of
 of the fionutry.

Jis Reliotire in sootely law is the ritht of a wilme to as shate in Ho movalde ur persmal pro-
 Wobe, srectessions.

Jonsien. Ibe, the mane of at Pramely fanily whent, for at contury and is half, munhered amon:


 fown of latamy and lieweor of the lintanioal









 the same at that which his arphers lamerit


He edited the wand edition of Tomen fonts /historive des Plentes yni missont doas les Vimotems


 pupil of bimatri, was atponited profemen uf Butany at the laris Botanimal Caraben in 1-70. His ficucm l'onturm (178:) laid duwn har prinpiples on which mowern hotanial massitioation is basel (ree horiny). On the outherak of the liemolution the laspitals of laris were pat in his charge. In 1793 he oge: isen the limary of the Ansenm, one of the best in Emmpe. In trati he resignon his pofessorial chair th his son dimen.



 thar same rity, June 29, wis, whecemim his bather
 he premented as his thosis at valnable momoir on the Euphombacers. This was followem by mally
 Malpighatere, and a mennir on the rmbive of

 1 muntrer of alde butanists of all matims owal their training to him.

Duste. TuEnome, a bolgion hictoriam, was forn at brusids, 11 th , bamary $1 \times 18$, hamm in


 many of his works an of ansidnathe valme for the histomy of his comutry. he is inet knoma ley liss
 si). Bany of his earliar works (1s:30 sot are ahrideed in Le: Penthom Xiatomet (1ssi).

 the yoldon arman. After the rexalition of the: this
 intar very fremont has, heamer of the hemplation of the imgans of Lanis. l'hiliplys that ble jevere milion wan thombly prinipho at goveman which (amha) serate the witate of lratuce.




Dhatice. Lomb Chmer, the (ithe :iven to the rhim fulge of the Guenis band bisi-im of the Hish font of dustiee : formory gion atan to the chind jutise of tha C'moman libas. Ho of the

 the Jumers of the land 'hane justion af lommond




 soutland, alew ralleal the Land lrandent of the

















 the lown of atymimine justiors of the peace now





 custutis futcis :






 promated to the ohancellor, areviten, sealed. and
 simere l'mbr lichatal II. justices of the peacm



 of tho shati, and they wor almbished. 'lye othere



 the flations lawe haen apminten in ath latere citios and in mony lowe towna. Thar wher of justion of
 siom- ly it lals.




 frhony wathont as jury mon infomation in the himén manne. lint hain ant win roperaled in the
 whon the bumbore l'arlinament mato marriane at

 eontration partios. They whe abthorised by

 They were aly insmatel with importath alminim.



 trallad the cmanty julice and leverel the ronnaty
























 ammal valan of thor, ur a resersum pxpedtant
 :3!) Vict. chapg. it, it hat mon leedt further prot vilad that a perant wall ha deromal yualibisd to
 age, less for the prace of twa betrs immerliately precesliner his eppointment heen the neropier bif ib
 duty at a value uf mot les thim floo, aml shall have heen rated to all rates and taxm in reopect of sum promises. No sherift can ant durimg hiv shrievalty an justice of the peace for the comoty in Whieh le is sheritt : and wo person can be apmonted to ate dmemer lankrupter. The oflion of justive of the jeare, being confermd by the erown, shlo

 themin to keep the prame in the comaty spedient. and any two or mario of them to ingive of and dotamine offonces committed in such founty: in Whieln mumber some partiendar justices with hwal on ["uial ? fualifications were formerly directed 10 lor always incluted, and no hosimes wats to be done withont their presence. The worls of the comman - ion ran fuchum alifurar restrom $A, B, G, D$, dr.
 Were ealled ju-tices of the gnormm. It is now, lomerer, the practice to inelnde nearly all of the jn-1 jum in thr quor"m elanse.

Thu functions uf justices of the peace are jartly administrative amd parly julieial. 'The fommer, whibl were exereisol :ll sporial sessions, nopd to mabrue a great varioty of sulijects, hat since the Lasal fowemment Aot, 185s, net. 3, are now prate

 contral of the prolice in commes will leneeforth lua mondralien hy a joint commatte of the combty coumeil aml of the justives in granter serams.
 of the parre, like the ancient consmrator putis, is
 and athravs, to take seemity for man melbaviont,
 riminals. (2) It putty sersioms the justices ; urs rambled to try certam minn oflemens summaty and withont a jurs. (3) The rombinsion of the
 :anf antermine oertain graver and indietablentfene at peater srosions. The siatute 34 bilwiral Ill. "hap. 1 , combiming is bilwame III. stat. !





 firy, forgery, hisamy, ablartion, de., :anl moly the -maller misalumanome and folonies ate now



 (!amonis lefoll livision of the lligh tomet ly writ


As the the liabity of a justice of the peace, in

 "apmos alleration amb pront of maliore amb wat of

 it, nos sult allemation ur fronf is requipal, lmot mo



the proeention oi criminal- reand winalls pon the justionecherk and the sherill. When it was proposeal to hald at criminal induirs the sheritl. unler the anthrity of a writ i -ated lọ the gasticiar, shamonel the he-t and mont eapathe men of earh lmarla. town, and bampy within his shite tor appear heme the juticectepk and wise informat tiom of the erimes dom withen their merertive humds. This being dome, it lay with the ju-tieeelerk to digest the materiak thas womed to him. and to make up from them at roll of lase oflembers names, and a tile of dittay, ur indictments for hring-
 chit sastem was ramgation, a more regular and ellective mothor of takim- dittiny wat adopted:
 of hiv chancellor, treasurer, and ju-tice-plerk. to appoint hommrahn anl worthe prams . . . in
 gentlemen lation, expermented in the lovable laws and chstome of the ratmer, aetmall imbellers in the same shire- . . to be comstant and continual np-tahers of littas: "Phis is the first statute deal ins with the intintion of jutices of the peace in Sontani. The oflise was further regulated be acts
 mission is practically illentical with that whirla was settled fur use in England in liso. There is no property quatilication in sootland: lat waler 6 Geo. IV. chap. 4s. rect. $0^{-1}$, a mbicitur camme be nominater a justice of the pace for ans eounty in which he in practians. ly 13 and 20 Viet. chap. 45. sect. the the risualification does not extand to writers or promatios who may he elected marisuates or heans of mild in any lary. The functions of justices are partly administrative and partly judiecial. The Loeal Gumerment (Seothan) let. 1ş9, sect. 11. has transerred to the new emany comeil the powers and dhtips of the justices in relation to the following suljects: (1) the execution as lucal anthonty of the acte relating to sas-meters. explonivesulatances, weinht-amb meare, halintual drunkirds. and with lirds: (2) the apmintment of visitors of pmblic, private, or distriet lumatie avilum ; and (:3) the resintration of the rales of scientific ruefties under if aul 7 Viet. thap. 36. A- in Englami, the jutices hare still :utherity in regard to the licensing of ale homese the andminstration of the por laws, de. The juriadiction of justices of the peace is patty rivil and partly eriminal. In civil guestime hetwern matior and servant they haw juri-liotion to any amomt. The ju-tien can futertain application for the aliment of bastard chidsen. The eivil guriadietion of the ju-tices is now prativally alumeded by that of the sherill emort. Muless to the limiteid extent allowed hey the suall beha . Det (12 and $1: 3$ Viet. chat. $3+1$. There is no trace in somblant of trial with a jury hofore ju-tione of the peraer, ats
 criminal jarialiation of junticom is anfinet to


 nam the justion of the peran furiationtin in

 practically tho nume prition as in Emeland.

The in-titution of justion of the prequp exiot in



















 than fompem reass standing, or at solicitar to tha

 or stipembiars manitrate, or to a metropmlitan prlice court. in to one of the police conats of tha rity of Landon. Unaler the sime stathto justion abrio receive a fixed satiry instead of doriving flom remmeration, as fomesly, from the emut fees.

Dintices, Laters Since the Korman Congment it lai- heen the erquinmal practire in England for the enverime to nominate ome or more persons to experise the chief powers of wownment daring his tempury abener from the kingem. At firet this duty was inuwerl, principaly althomal not prothan exeluxively. "un the justiciar. but when, aftor the death of lhanot de Burgh, the fonetions of the justiciar were gralmally dietrihwed and his oflice itself was practically abolished,
 goven the realm Inving the sowereigis abunce. The Englinh armongus from Edwand VI. Io dames 11. were never, while actmalls reiminer, ahent from England at all: and William 1II. in the eary years of his rign insariahy left gueen Mary tia divelame the luties of vieroy when lar went to the comtinent. lint after the fleath of llary lork justires appear to have leen appointed under the great seal. on the orearion of the kings ahernce, five times letween hong and 1699. The name of the Arblahlap of canter. horra ami the Lomd Chatncellor were nonally plamed
 Sottlement ( 12 and l: Will. III.. chap. 2) provided that me premon who shat hereaftar enme to
 Ireland without coment of parliancent:' but thi

 land ( $1713,1: 20,1723,1725,1: 20$ ) left lorijustices to represent him. Similar apmintmon-
 Caroline: and frompe IV. In his sisit to Manover in 1 eg delegated hiv ambonity to nintem gravilians, of whom the bake of tork, hurive

 was twin, combitered on seca-iom of the royal
 propume to sion timmans: ant an the latter








 ghestion. and the momintation of lordis jurtiore has



 watontatam.

 hert, afterwaris liarl of libamoram, in lid4.
lobde justifes have sometimes heren apmointer to rary on the gownmment of leeland in place of a videroy : but in mondorn timon lhis has mby luen
 tenant. of in the interval hetween the demise of one lowdientemand and the apmontmont of his
 the Primatas. the Iard 'lancellor, amd the 'immmander of the fiomes.
 In 1811 it wan foumb that the work dovolving on
 and at the - bur time as suprome budge of Appal in the Homent Lurds, was toosmere for his strength.
 appoint al new judere, moler the tite of viesechanetllor, th proform part of his latios: and in lsisl land John linsself intmburerl intu the Hanse of (ommons a hill for the beform of the court of ("hancory. 'This statute ( 14 and 15 Viet. chap, sis)
 rellor as heatl of the combt of chancery to a mew tribunal calleal the Cont of Apleal in chancery. The membere of this comet were the Lord ('hancellng himsolf, and two nther judges who were reprimed to he at the date of their alymintment harimors of not las than fifteen yous atambing, took rank and pecplonce next after the lom Chieftamon of thas bxhequer, and weye streal Lames da-tiome of the come of Apreat in Chan. revy. Shortly afterwamis the lords justiers wore - "ritrunted with the care and amomb uf hantios hy warant mader the farefis sinn-mamal.' 'Thw
 ( wee doreit), in which there arn fomr ore wforin mombru-the Lasil Chamediar, the Lomd Chiof. justime the Master of the liolls, and the lrexilent
 atul live ondinary members, who are eallol bate jnations after thair proleceman in ther whl tomat iif Spmad in flompory. The Jombe josions are
 have no oriximal jumblation in the "hanery livision. 'Their jurishiotion in lanacs, howerry, remaine sulstantially umathome and by section
 alpmintol alditional julses of the llish cmart
 atlisetively. ly the atil if all that miximal joris. diation in 'hanory which was formoly anxiliary


 they are bonmed loy the juldment of a livisiomal
 it. and wand hive reversed it in the ${ }^{\text {comen }}$ of Apreal.







 disident fon that phomes intor threr disicume on





Jnstifiablar Ilfornitide is the killiner uf a hannat lwing withant inommine lagal philt, an where




Dintin. smmamed the llatyr. one of the earliest and most dintinguishod ipologists of the Christian chmarh, was a natise of Flavia Neapolis, the ancient Xichem, in samaia. lle was lorn probably matr the yrar 100 A. I . Wis father l'risems was a heathen, and lmstin was mheatol in the religion of his tather. He hecame an arront
 wath the selomof the itoies. Jat finalle alluriner to that of the llatonists. His comversim to Chris. tianity horables in one flater to the dilmanes of the ("hristian martys, in another to a chame meeting with a remerahle stranger, who direetwl him to the stmaty of the Jewinh prophets, athe thatah them to the great Cluintian teacher whom they foretold. Diter his romservion heretained the stath of a philosopher, and apmears to have wamdoped fom
 and limmo, if mot in other cities alom. Ilis martyrom is supposel to have taken place sinne time latween 14 s and lis, lint the stury rests on no sme hintminal evidener. The walis of Instin, althory not very voluminoms, are hinhly interating and imputant. The moly bewhe aseribed to him with crotainty are twa dpolutios for the choifirus, the diast (the date in a matter of pontro-

 (furhato an appemdix to the lirst) 'to the laman -rmate:' amel a Jielome reith Trupho the . Dew
 (o) he the reoom of an actual two days disputation beht at Ephesms. These are pxtant in two MSS. moly, which agree very (bonely with earlo nther:
 in tha lhillipls lihas at Cheltuham. The
 waks once aserilual to limutar pertainly spmioms.
The first edition of his works is that of liobert steplanes
 Maran, appeared in 1-ta : and Otto's- the her-at Jena
 tranklations of Justin in the I. bowery of tio Fithers (1-6il) and Clarkes inte-Nione Liforry (1wis), and a popular account in The chwisten Futhos. Ser also mungraphs




Instin. a limman listorian whan thomished, in


 lhan :th abridement, from the Misturier lhilippiere af 'lames J'mat"ons, a work now lost, and soralled
 Maceroman monavely, hore mally a kind of history uf the worlal slown th the Rionam cumperst of the



Jinili I. almi II. See Dyzuntine Empare.
Hastinian I. J'lavins Juicins Jutini:mms, nephew, on the nother sibe of the limperor
 of 'linureinno. in llyria. Ilin uriminal name was







 aplaintmont, atmi ramaimen attachorl to the comrt






Ju-tin survised this step lont fonm montlis and in the sathe year aluminian wan problatued sole emperar and crowned along with his wite, the fanme Thembura, whom, de-pite ui lier mone than dubions antecelents an an inttess, he hat rained to the pration of his wife. datinian, on hiv atere. sion, was in his forty-lifth sean. Hin reign, which extends orer thisty-edist yars. in the mond billiant in the history of the late empise. Althomh himself without the taste or the capacity for military eommant, he hat the sood formue in the shill io selest the ablest generals of the lant day- af laman military ancemenes. Cuder the direction of his generals, and enpecially of the eqlelrated Narses (و.v.) and Belisarins (q.v.), his reign may be sail to have restomed the loman emphe, at lext in mutward appearance, to its ancient limits, and to have remited the East and Weat muder a single rule. In his tive war-that with lersia-he conclumed a treaty ly which the cris is that han an long threatemed Was at leat warded oft ; lant the rejoiciness whiel celenated its termination had, owing to a domentic recolution, almost prosed fatal to the anthority of Justinian himself. A contlict of the se called blue and Green factions in the circus in 53:2 was but an outhurs of palitical discontent, which went so far as to clect a rival emperor. Hypatius. Justinian himself was struck with dismiey, and had made prepatame fir tlight: but the vigour and determination of Theolora arrested the revolt. Narses. with a relentles hant, represed the tumults. 30,000 victims havime it is said, fallen in a single day. By the ams of Belisarins, the Vandal king. dom of Africa was re-amexed to the cmpire : and the same gencral, compintly with Narses, restored the imperial anthority in lione, in Northem ltaly. and in a large luntion of Spin. One of the most extraminary, thongly in the end inetlioctive work of the regar of duntimian was the vast line of fortilications which he constructed, or renewed and strenythened, alomg the castem and sunth-eastem frontier of his empire. These works of defence. ans the eonstruction of many mblice buildings lath in his eapital and in other cition of the empire. involved an emormons expenditure, and the fimal administ ration of Insinian, in consequence, pressed heavily on the prablic reantrers.

It is, however, as a legislator that Instinian han gaine his mom embrint renown. His guen fortune in olbtaning the services of able generals wan not greater than that which attombed him in the tielif of law and legislation. brilliant as were the trinmpho of Xarses and Belinarius, they were indeed short-liven in comparion with the work done hy the celebrated tribumian (g. र.) and his combutury in the way of reforming abll codifying the law. lmmediately on his acemomon Jus. timan set himself to collect and conlify the pincipal imperial cumstitutioms or statuten enabted prior to, and in fonce at, the date of his aces sion. In this beynet he followed the example set by his predecemor, Theoslomian. Thae roule in which the e constotutions were conlectorl was pul,
 viom by which all previons inperial matmont.
 hition in the matery of comolitatime the laws went munh further. lmperial comstitutions made "I, hat atomparatively suall pat of the buly of the latw. The lulk of it (what mirht be catheil the commen
 i.e. of text writer and commentators in these writing there wer at thin time many humbento of whames in exixtare, and, owing to Wiat of abreement in the opinions of the varions writere, lare law was in it state of great mowtaint?, but theaty
 upn the publication of a single treation in whid
the commentarien and orber whings of the jarint misht he digescol athl hamonised. The prapata tion of thin steat work was entroted to Prilninam,
 profosor of lat at herytus (mblam licyout), and
 was compheted th the shor promin of fom satis. It was pulblinhed in fifty lowlin under the tima
 While the buefst was in comme of prepalation Justiman resolved on the compnation of a thimb kegal work-viz, a sotematio and elomentary reatise on the law which might mene is a teailowh for the use of students and an an intro. duction to the larger work. 'lhe preparation of this was also entrusted to Tribonian und hia col. leagues, and having hern eompleted atow days hefore the Digest, was puhbished in fur hemhan
 of Instatutiones: It is based upm the luntituten of (ians, mat is familiar to all modern lawlen under the mane of 'Justiman's Inatitutes.' Jlem time, while hoth the migest and the Institntes were being prepared, the corle of 529 allove mentionm was withiman from circulation and trpublinhed in a 84 with some alterations, and erpecially with the addition of fifty new comstitutions (hnown as the Quinturginto Pieristurs) which had in the interim been pronomeed hy Justinian. This new elition, in twelve lomho. is known an the Couldar hetite Protetionets, and is the one which hitn come down to 12s, no eopy of the earlier cosiex heing extant. All these works (Comb, Ingost, Instithtes) were written oricinally in Latin, that ath of them were pepared with care and shill, and testify to the ereat ahbility of Trilunian and his cu-editor: L'pon the publication of the Difert Justinian declared by a constitution that all previous law books and decinims were to be held an merseded, and it was fordiden to refer to them in the patatice of the courts. Daring the whaceynent yearm of hio wign onstinian pronounced from time to time seball now constitutions or laws, some of them making bery important change in vertain depatmento of the law. These (mosty in Gisel) were collented and puldished ander the title of Kowelle' (i.e. 'the Novels' or' "New ('onstitution'). There were so far ats ean la a-certained, ahont 170 wi then Sunds. The Instituter. Digent, Conde, and Noveln tow ther make up, what is known as the Conpus Jurix Cicilis.
The character of Jastimian ham been much cam vased, and upinions are mot agreed alnut it. l'oo. coprins: in two mbate works, has painted him in very diflewnt light.. Haking allowance, hawever. for much "ayperation of lia alyitites by cons. tempnaty witer, it may he said that he contrasts fatourably with ment of the rimperm whether of the: earlier or the later emphos if his prommat
 aration, and inconstmey were 10 nomath demere elatacteristie of him), he, on the uther lame, ili-
 main, just and mojight intertions. Ite dies ma


 reforms canim throngh hy Intinian. Ile wat not
 introntuced in many directions the mo-t mata montal chaner inta the monation lan itmeli. The fonlowing war the mot importat dathere:
 ing their manam the pawn of puting them to
 death at hi awn hatol shoulat the maity of homicule: (2) 110 seratly mohntionimal the haw intestate

mothers side）an equal hane withomoti（relativen on the fathers sile）of the same dergee．These two changen in the baw were probably in a lage measme imblued by the circmatance of hio hitth． Ite mathe com－ifleathle changes in the law of diveres
 civil proedure in the way of making it unifom，

See the Life lay Lsmbert（I＇aris，Isail）；ly G．Body （6th ed．1ssit）；X̌ewhan．Inetrine of Justmien（ 4 the ed． 1ss5）：Laly，Internhertion to the lighest（1sst）；Mur－ lital，Rometh Late（19nti）．
Sute and ．${ }^{\text {Sute }}$ Manufactures．Some attempts on a small sable th hiline fute－libe for the mamfacthe of carpets were mate at hingelon， in Oxformhire，ahnot the year 1 sel or ano after it．Bat it was at Immee，which hat long heen whe of the pimipal mats of the linen industry， that，in 1s：3 or 14：3，the pliming amb weaving of jute tist legath to gise prontiee of commerefal －necens．The fibre，thon little known in Emonne， was at lime meeival with suspiann，and for sume vears it was buly and omewhat stablhily intra－ iluced as a toxtile material．By the year lsan， lowever，the the of jute hal bermme extm－ solve，and sime then，owing， athons wher thinges，to the improsements： in preparing and spinuinir mathinery，tha mannfacture of thi－filme has rapially ex－ trminet，and in now carried on at limelee，the chaicf seat of ther induatry． on a gigmatic arale．Inte －10th far （innoy－h： （q．v．）and for nativeclothing has lugg been まが品 ロッ hand－lomus in
Bengal，where tho plants yiohlines the fibre are
 mills，fittel up＂ith textile machimery，miven hy steam－buwn，have hen wented in thi meighlusur－ lomel of Calentta．Tle e eomparatively mall cont at which jute can lee raisel and mannactured will mudoult secura its promanen！shacess a a textile indenter：lime the fibe is inembenly inferior to dax in strengeth and emercially in hatatity：
－lute is ohtained fromi the hatk of two chasely－ allind speries of plamt：belouging to the lime trie
 sulutios is cultivated in matral and mant bensal；

 The former prows from is to 10 firt，ammetines man （1）It fert．in lueight，lint the latter is rather a maller fint．The chief ditherence lutwen the two is in the finm of the frint，wheh in © an，
 gated．loth are ammals with gellow howers． and they ran lue lust raltivated inn a leamy suil or upan abe of rlay and samb．The higher lation produce tha hamot ghatition of jute．Such as


time，whieh is rewalated low the nature and bosi－ tion of the sind，extembe from Matelt to Junc． When the plants Hower，which they la in some places in the and of ham，the cuttinge of the crop hegins，but this is often not done fill the fruit is formel．The harvest is not entirely linished till October，and it is from late raping，with the plants in seed，that conse jute in ofrainol，the ary vielling the bent tilne if ent mang the flower－ iner period．

The titre，whith is the inner hark，is aparated from the stem ly rettins－i．e steeping in water （see FIAX）．Sometimes the jute is paced in rivers，hat more generally in tanks on atagnamt pools．＇Topresent any risk of diseoloration of the tibre in the procese the jute stalks in some distriets are tirst stacked for a few days to allow the leaves th ilecay．Acembing to the nature of the water unal and the charater of the arop，the prion of retting lasts from two days to fully three weeks． tare must lee takell to stop，the process as soon as the fibre becins tu separate from the stem．other－ wise it rapidly deterionates．It is helieved that rotting weakens the fibme，and that if it could he sphaticed trom the barls by some inexpmaise mechanical process a hetter ¢pality of jute than it is now fmsilile to ohtain would be sent into the market．
The hest epualities of jute are of a pale clear yellow in loull colour，with a silky lustre，easily opmon and comparatively strons．liat there are at least half a sone of well－known commerial varieties．Some are hright－rolourn，suft，and strong，and such are bent for textile falmies－ i．c．compraratively soft，for all jute is of a latard amd wowly nature．Other kinds are comer and strong． and suited for making riples．（har or two varietios which are of weak libre are suited the makins paper：Ghe kint，which is long，soft，and line， fint of had colonr，is largely used fir sumy bags．

In orem to lemen the larsh amb lotitle character uf jute it is subljected to a softening proceso on a kind of crmbing mangle，from cisterns aftanhed to thee top of which ail and water are at the same time sprimked exmly unn it．Fomenly whale－ oil was used for this purpuse，hat of late pears a hrasy paratlin oil or smme smilar mineral oil has luen largely sulstituted for it，a chanese whieh cansed ： dreat fall in the price of while ail．The mange comsists of four homizomtal rows of thated mollens， 9 inclies in diameter，between which the jute passes in a comtinnons layer，entering at one end hotween the first pair of the twa nipher rows，
 lant pair of the two lower rows bexides simply turnime romul，the rollers have also a hight lateral motion，so ibat the jute is 1 homombly masheal or nippel．This crmbhing－tuecther with the hetp of the nil and water－softems the fibre，ami prepares it for the oplaning foremeses．
dute was formarly，：uml la a small extent is still，sma hy two distinet peresses，valled ＇line＇－pinning ：and＇tow＇－－iming，which eor－ respmel to than in nee for thax．The main ditference betwern them is that in＇line＇spiming the tibre is herelend on mathimes with heckle atocks furnished with steel teetla，which dress and separate the line or hest part of the filue from the tow，in laat valuatle protion．In the ＇tow＇．pimming the tilire is lirst carded on carting－ －Hgimes each of which has a pecoliar arramement of molvine erlimbers，amed with eard pints or pins of sted wire．What may be callod the ravi－ ing pituecos of giminge is in lonser contined to jute tow，but the whole of the jute is now，as a rale，sum on this system－i．e．it is not heckled at all．lute－lihere as ohtained from the plant laing from to to 7 feet long，and often considerably move．
at reguire to he lroken into lengthe of from $1+$ tw Is inches. Thin is dome on the mathine callent the
 and the libres laid more or less paralle. ly the attion of the eard puints. The jute lease the Wreakereatid in the form of a contimuni lap on shere, 3 tor + inches brad, and tifteen of then are drawn ont and delivered as a sinde sliver ly the ercond eardiner engine, callen the finishereard. This attenation is accomplished ley the dother rollow having fiftecn time the ariace spech of the ieel-rollers.
The sliver, or rather sliwers, are nest taken to the drucing-fratme, where their fibres are furthor straightened and equalived. The drawins frame has feed-roller, travelling sills with steel terth, and drawing and lelivery rillers. Here for slisers from the finisher-ard are canght hy the teed or retaining rollers, prased throngh the travelliner gils, and drawn ont into one sliver by the drawingrollem, whill, as well as the delivery-rollers, mowe at $t_{2}^{2}$ times the pued of the retaining-rollers. The - liver from the laming rollers is, bender, unally dombled by pasing two of them letwien the delivery-rablers. The process is repeated on a secomi drawing-frane with finer and eloner teeth than those on the gills of the firs. The ohgeet ois fombling and drawing ont the slivers so frequently is that the thick place of one sliver may be corwered he the thim place of another, and alao that thi. ditferent kints of jute may lee thorough!: mixel hoth an to guality and colour.
laming is the next operation, and the rocingfrum in the arrangement of it rollers and gills is, Similar to the drawing frame, lut in the former the part-are -maller and the pill-teeth finer and more clomely set. As the sliver on this machin* after luing still forther attemated ly drawing-ont rollers, requires to be twinted into a lome theal or 'rowe, a simale and tlier are proviled, as well is a lonbin upon which to wind it. Finalle the bohhins of 'rove' are taken to the sumuinefreme, and sonn into gam unon the 'throrte' principle. Se spinving.
lute fabince are for the most part woven of yam retaining its natural eolour. hint for some forprow it is bleachel, and when haed for carpet- or rurtains it is dyed varions colours. Althomith it ran only be malle pare white with diftienlas, it readily ifleaches pale enongh to ahnit of its being ibal without ingury even to hright chlomes. Dee "on jute are, however, fugitive unlem the are dyed by a peeial and expensive proces, which is omly carried ont to a small extent in pratiee. At bmaler the ordinary falnies made of jute are
 inge for thoorchoth. The last-mamed are wosen on lown of extrandinary with (see Fionor(Lomb). Dyed caprets, curtains, talo-covers, and the like of this material, are attractive rnong in appearance, amb carpets expeathy are larely male. Thee are cheap hat not bery durable. Billion of small, briphtiy-dyed phayer carpets for Voslems are sent from limate to the Liant. Fablice mate of jute are easily roteol by lamp,
 cotton wouls withont inguring them. Thi fand of jute amon betrays itedi if it is mixed with llac for tomplling. Jute, from its somewhat shory hotw. in oceasimally nacal torophistieate silk : and it hat hoen employed to mane extent to maho ofise and wher arthen in imitation of those mate of homan heir, chaply for theatrical purperes.

The following calrulation made ley matian amm
 ury of Inctere P'onfucts, give an iblea of hate extent of the jute trate in diflimint part of the wonll. Of raw jute to sumfly it factorbe per week, seot.




 liales. The annall com-nmpt in atl binmpe wan
 There were actually hipped in the ? air ishe 3
 leen re-shippel. It that time the twenty-two Indian factories consumed searly 10 a.onn toms, and other comntries mot inednded ahove (chiofly A Aneaina and Lustratia) required another lot, the thon. The total amulal comanopt of raw jute in the worlat at that time wan than alnme aiza, the tons, the value of which may be romndy taken at £6, utho,0n!. In


 ha 1 s! $\%$, whe of the years whon impnt were weatest, the thal impert was silu,640 boms when £4,16,492: while ai jute yan there were ex




 tomine in the United Kinsum in la!l! only 116 wen jutc-mills.
bumber hat no monmply: halian bivaliy hats become formidalate. The mander of mintion atom factories, motly near laldolta, was, in
 prens, aud using ammally 1 fi, tatuma uí jun from a comparative statemont of the wayen path ansix clawes of work-pegple in a Dmblee and in a Calenta jute mill, pmilithed in lost. it aplear that in Somband they eam from ome-half two thinds more than they forin India, with the earopton of weasers. Whose pay in more mealy equal in the two comtries. and of anokilded latharers, whom wages are very shall in the East. $13 n 1$ it is sais
 persmos in lndia are reguired to in an math athree at lomes. The clawson ofons-maniactumes are, however, not exactly the samm in hom countro, and for this, as well as for other ramons. the compraison canot he very arrarably mate.

The value of jute mandatmes ( vams and wown faluit-) exported iron the (nited Kingom in


 and upper bat of roots). Tha stare may lie sant
 and jute goods, thongh the fhant in now beins grown moerominlly in the sonthem tates, :und thmarg machinery is leme devehnmal with the vew of rembering Smerica intepembent of forsign jute.
Jiterbos, or Jitetrbok, a toma in the
 rail ssw. of berlin. Choth, rivar, and wine are
 newita, where the Prowians mater bulow ondeated the French moter Ney and budinot, Soptomber ti. 1513.

Juthalld (Dand. Ifllumed), the only eomidumahle.



 heren inhabited in the eatiost timan hy the.

 wan inhalited ley the Jutere, who towk pat in the
 were sucereded ly the banes, who, under the name
of Soman ( Nonthmen), freprenty derolated the enant of (iermany and France.
Duvenal. Derimus dunine ducmalis was both athont ith A.1) at Apmimm, in the Volsam amatry, where hiv father, a free loman dizan.
 ral education in lome, and beathe the frime of Martiat, and at least the ampantane of station and ? !uintilian. Prabally muler Thitus, or early in bomitians mign, he semed an trihne in the ams. and in hi mation town filled the improtant paste

 himede that he wan in lbritain and retumed honie in salety, hat thare is mo erideme that he was thore in a militas mataty. That he was in
 thither by lladrian in merrly a mare plamible conjertme than that he dien im oetngemaman mater Antonimis lias.
Hi- interent for furterity depends altugether on hin sisteen athens atll extant, which orenp: the wery first rank in satidical literatume and arm of prictless value as pienores of the loman life of the Empire. The under in which thene com-forition- foblow each wher in the equliest mann. serijts and latest editions seems to have been that in which they were wimally puldi-hed. 'They were grouped jeblably ly duvenal himmelf into five lonks, and thene were given to the womld at intervals, during which he reems th have madergme met abla chanpes of mom. The firet hak contain- the tiret fire satier, and saw the light in the early year
 power at their highest and ment subtaimed pitels, fresh from living esperione of lomitian's lmataliing sway, the fomm and etlects of whel constitate their main theme bowk second consits of ohe satire thesinth, levelhed at females in general, of whom, in their lerraled, umexed condition mole the empire, he hiaw a well-nigh savare picture. anreliered loy any touch of that chivalty which belonge to a later and christianimed avilination. By many (chiefly Fromeh and lallian) crities it is
 little bofore the death af Trajan. The thind bonk waw publishem som after Madrian's acemong, and womprive the serenth, eishth, and ninh satim. Interworen with pasadye of extlier eqmposition than that hate, the twach. withont mifomuly

 mald ube the tenth, eleventh, and welfth satires. and in the lose of them, the tenth, on the " Yanity of lhuman Wishes wotwithatandine its line de-
 them is it mffer ynit, at of the " vears that hing the philoseghio mim, or at leat "templer the ime foetmanty of earlier manhoor. Tha lifth book, agatis piven th, the werlal in Hatrian's time, cons tains atime thirt+e.n, fourtern, tiftern, and sixtern, aml aren mowe thath its pederemor betrass the softening inthene of ace, whila dintinety the leant

Whatal atal Honare remetibly repmont the
 divited: athe fona one or other of them esors
 dosem. J. Homene i- the rativiot of lialionla.

is mot it math of the wold an much it - it reformer, and le plase in Roman litemate a part corre--pombing to that of the prophets umber the lewish diapensabion. He nees satime not ate a hanch of conted, which it was to Homare, lut a- an engine for atiteking the lrutalition of tyramy. the eorruptions of life amb tate, 1 he crimes, the follies. and the frenzies of a degenerate somity. The has -reat humom of a scornfal, anstere, bat singularly purgent kimb, and mans mole thathes of a high mumal fuetry. It slomid be noted that the old Remen quanias-at distinct from the mure cosmopolitan hind of tatent formed by beek colture-is flainly discernibh in omemal. The is an mational as the English loganth, who perlapp inves a lomter inage of his lime and eharactor of faculty than any simgle Englivh humorist of moralint that we combla name. Juvenal has been hetter tramlated in our literature than almont any of her of the ancients. Dryden's verions of five of his satioe are amonst the lest things he ever did. Dr Mhmen imitated two of the mont famens in his Lomden inll Jemity of Humm Irishes: and the version of the whole of them by Gifforl is full of power and chamater.
The latest and lest editiens of Juvenal are those of 0 . Tahar (ode ed. lay lacheler, 1seti). A. Weidner (Leip.
 tated editions are those of Macleane, Lewis (with a literal prose translation), and Pearson and strong.
Divenile Offenders. In the eye of the law prombs are considered capable of committing erime "hen of the age of seren. and are pmathable lihe uther gremons. Fut in Enalam ind lredand, when. wher a perom under the age of sixteen is convieted and sentencell to be imprimmed, the comert or higio. trates maty alos sentence him to be sent to a reformatory ardool for not lese than two or more than fixe sears. Such sontence, hawerer, cammot le paned mpon an othenter muler ten years of ane unlen hin othence is ly law punishabhe with peonat sercitura of imprisoment, or undes the sentence coble from a superior court, such as a rourt of anize of of gtarter semions. ('liditen who hate wat yot committed erime, but ine in at bagrant and nowlected state, may adeo be sent to an industrial - dioul.

Dincon. Wilama, one of the figurem on the liat - memomald reme' of Chates l., wan lurn at Chimenter in 15s2. From Merehant Taylos Shool he pased to sit Johms Cobleme wimel, and surecelen Land as its presidnont in 1629 . - Mreaty he hat herd livings at st (illa, Oxford, and somerton in Wxfordshire, :m thon, hatul:induene he larathe sucersively death of lionester, melnematary of Chichester, dean of the Chajel hoyal, and Bianap of Latom. In lti35 also he wan mate Loml Ifinh Trobsurer - 'a dignity, Land writes
 tine." In "harks sacillatim ahomt the fate of stratherd, lusum advised him tor refume his abent to the hill. seemer that he haew his lordship to be inmornt. He ministered to the king in his bat monhemts, and it was into his hands that charles Whemed his Comse with thr word hemember.
 "ith his park of homble at hiv comatre hame in

 dixd at latmbeth, thla Jume l6i6:

i- the eleventh letter in our alphathe. The" ambul was- denivel from the Foptian hierowhohic picture of a lowl (nee Thpllabir). When taken over loy the Phanicians the letter wite called hoph, the hand, the two slating strokes iseing probably mpmed to repre sent the foretinger and the thmmb. With little change of form on name it was transmitted to Grepee as homen, and then with the other Greck letters it pased into the phimitive alphabet of ltaly, where it was retamed lay the [mbrians and the U.eans, hat abtimately diecarled hy the Etmonas and the limman. That it helonged ori-
 rence in two or three of the tarlient Latin inserip-tion- : and by its retention in cortan conventional
 It was not usel in alasical Latin, since after the invention of 6 (see $(i)$ it was superfluons, the letter (' having atprime precisply the sume smm, that of the sharp gettural mate, which is fomed ha raising the tome to the badk of the pratate. Hence this sume eame to la demoted by 6 the latim appathet and in all har ahphahets derived directly from it. =uch at Italian, French, ami Spanis: While the symble fo was retaiued in the alphabets which weme dirertly or remotely intaonted by the driek, suth in Poltie, Russian, Wallachian, Servian, limic, lanthir, and (iemam. Thus in French the letter $h$ in only wed in modern loan-words, such as hepi, on helimeto: while in Gimman of contined, fur the most part, to womb lerived from Latin or l'rench, such is crimitul, vicil, ronsel, or ramul.

In Englath, where the two influences met and enconatered ead other, the nime is condlietint. Lu the southern or saxon shiro, into which the

 etntury. Lu the northem or Anglim shires, which paseseal the runes, at seript altimately of (irepls origin (are licNes), his inunt in very early
 Sorthmarian mix-imatios, to wham the conven sum of Geraman i- chiptly due, maty lo attributen
 After the Xornat conquen of Conglath the phas. netic jower of 6 becant unceltain, wing to tho
 as fily, aml hemee in the lath and following eron-
 morthera comuties to the east minlimuls, athl then to Batst Anglia, being enployal in the. lime instance before the bowels athl i, where the balue of e wan mont ambinums. Ihene in Midme Finglin we find $k$ in the words kimt. han, lith, lim, latig,
 line kum, hour. hout. and howht, in all of which of hat formorly lewat "mplament. It is atan weal in worla of atanlinavi:u, butch, wr nothem orimin, sulh ach hu, hog, luh, hell, hilt, houlh, lorli,
 Kom", hengurno, athl beltiduserner. Dint on the

Whole the usage in Earlish aterols mone with hatin and French than with Cireek, Geminth, and Russitn.

 oblong stome haiding within the great mospre of Mercit. See $1 /$ ect: 1 .

Matimit. a large ofecies of Auteluge (f.x.).
Kabbalat. See ciabimal.
Kabul. or ('abel (the Kalum if Ptobemy), it very antient towa which his ligured prominently in mosem history. It was taken in 1304 her Taner lane, and argin in $1: 39$ by Nalir shah, whose som Ahmed Khan fonded the Durani dunaty. Timur manle kahno the eapital of Afyhaniotan in 1:7. It is mpmomble for the erents which leal to
 It was taken in september of that sean ly Pobloch, and its bazar was destrosed : atier whin it rp. mained unvinted ly Europeans till the your 1s:9.
 The story of his murter is still recent histomy. Th its eapture by sir Frederick laberts the eity waagain hed loy a britiah foree for a time: hat after the instalment of the Smir Ablar liadmatn on the throne, the lintiol forces again evachated Afymistam in Angust 1880.

Kibul is chamingly sitmated at the fome of thas Takht-i-chah and Anai hills which repsuate it from the Charteh plain. On a spur of these hill. south of the city i- the fortres of bald Iliwate (on - uppler fort'), once an impurtant stronghold, hat now ahmment. The city, whind is eombored almost entimy of mul-huilt lmihlinge with that
 of which diverge from the central spate ambliville the eity into four inartery. The kiabol hazziar rivale that of Kindahar, and inchale every variety of trabld. ('arpets, canel hair eloth, and skins are perhap the chief serecalities; but there are now many Shop in which Euruperm wanls can be purchaned, and kabul is ratully amoming tho peneral chameter of an lumbanart. Shank hase Theen impuoved and wheed trathic introducenl, cultisa tion has been much developeel, and new building-s aulded which reatly impure the eity. Commanication with Tndia is nuw reatal itud comatant. there is a drawing trade with contral Ania, and the Jighan paliey of explnsibenco towimh stameron hato heen ireatly momifiod. The cantommant of shorpur, stmated abont a mile moth of the bala llimar, whete the bitish toop whis
 ("lowe for it are sill to be tracel! the outlines of the wh Bitish entremehment of isho. It the wetern rxtremity of the lemarat rider, whill flanks sherpme ion the north: is the litellish centary, now frotered loy a high wall :und hept in faits wool urder. Katorl in celethated on it
 iamons. Tha plavation of the plain almer ari level is alont gom fret, which emonts at doljght ful temperiture and finte climate in smmer, lout is sometimes severely colld in winter, wholl - thon veeamanally eoners the gromme to the dopth al

 fons net exseed forn）（1），and it is comporal if all the varimd olemonts of Afolman matimality

 meatan part of the prymatim．whilst llimhe are manerome in whe ghatare of the rity，and a few ，lews ale alat to be fommo．



 lemgth of its romare（gemmally amothenantry）is
 is insinnilisant．althomen it smmetimes lloorls the


Kitbyles．a luanti withe ereat berbor vaw of
 गेड
 －perated from tur mainlaml ly S Araka Strait．It


 －almon－ti－hery，abl hats at ！＂y of liall．

Kiff．the monntain which in Jolammonlan leandit smmonmats the world．


 It is dofendell hy walls amd a ridiulel．atml com． tatins the rmined malate of the Khate of the Crimet and at fraek cathealral．Xrar los in an Ambenian monatery（ 1442 ）Kistp and（abiare，ramel－hair
 hore is the maly wilatelindry in linsia．The


 ing colomy of tho Dilestuns in the lith centurs
 whind they aillenl kiatlat．It foll to the Tombe in

 Armean－urebe of Enceplatarion，which，like
 mucla starl in their stems，iand athond a hime of


Giatlirs（alan sult Kialion and（＇aftrex），il well－marhal divisim of the bantn fanily of the Noeror ritoe，inhathinge tho dintricts mow
 Repolalie，oriture Free State．Natal．the（ture

 fwo main divisions，the thatas（I．v．）amd the


 hy 1he lortugnese，and from them by the butch









 skin vatios in colome from lisht loman to whit


tribe line for the wotlo．Fiet in all the nose is






 lalmon of cultinatinge the tields，ate imelivitually of
 of Aness is athmed ux－kin：Int for thim mans lave within romat batrs sulatitumed a lambet．They live in lee hivestaped hats．gromper in kraals of villates．Theselmi－are fommed oif smor wieker． work frames thatohed with reeds and ertass，the
 hish in the eentre．They atr a pristoral perpule，


 them．Thas cato af tathte is the mast lamomable
 formoty womkal in hath imm ams ioller，and were not makilfal in pottery and wom work．The frin－ cifal attiolen of form are milh，maire，mod millot．
 Wherafter for ar comple of montlas beme themes





 manmeng the namos of any of their hashamd：mate whatives in the asendiner line，ur ans words

 baine difterent worde from the mon almost to the extent uf at didirent alishert．＇l＂he three elieks of










 phits．＇The helief in withoratt is denply rented， and the witdh－dentor is generally a pormon of great
 platitien uf the kiathits－hemplatity，homosy，and




 ：

 samls of mations withat the rame of its fallume ＇I＇lar Kallirs have aver lower notathos for their hatures．In war they ithm themerlves with ax hide



 rhiof was revergnimet is pasmonat of atl the tribes．
l＇ally owing to the war lowing propenaites of the kidlire，and patty for theor eittle lifting rains



 trombosome that in 141011 they hatal to be driven biek leehimi the reh River his foree of amms．



 liver．lint perace wan emontanth hoiny homent． In lait the first of the metter kibib was brown ont，amb lanterl until the following vear．lint． althonth the emseny were rejulsal amb thair tratorien up to the liei liver ann＂x．al by the coblomial masernment，the anmodion wise not ratilien bis the lume authorities wotil the temmant





 lent fatkas：who had wageal mont of the fommer watro in eonjuntton with the reet of the Sma Sosel


 －ucopentulls drisem hatk．In is50 the fromtier di－ tritet－wert setterl las the nen of the liermath lourion whor lath fonmit in the Crimed，neally exun in mumber．The last war lmoke ont in 15：゙：the （icoblekas touk nj amm，am！were joined ly the

 thiow of the f＂owr of the kiatlit uhara，athl the nralual inempmation of their territury in the（＇ape
 of Natibl，with the sinule esception of East lombo－ latne which，howerat，was at britinh proteetomate －han been incluled within the lammels of the＇ape （＂ヵ）
 of broken katla tribe：they are deariverl by the mamanal katlir raten，atal lint for the potection of the liritinl would monathy lae little better than
 their protecoars，and live seatered from Znlinlathat to（a）（＇alony．
 grammars of the kiatfir langase ly libeek（1sfis）ind






 western boundarice ame formed liv the 1 ＂hitral anml Panjohir rivura renectively，fuenlura of the kabal． Area，about mons．a．m．Thi－resion of wild，narrow，


 the mermachmonts of lami．It is on this aquont that thre inhabitanta ale called by throt Nobama
 Lleir whuntry kalirivtan．Thene ponjle，alonnt







 \＃reat conlly and liahart．＇The monntabuerm are fair in rena－









 by the Amiry tronps．
See Leitners Kutiristen（Lalmore，1～il）；Thaner in
 Triths of the Hindu Kush（1su0）；，ir G．Rubertson，The Kintirs rif the Mindu $\boldsymbol{K}^{-}$esh（18！6）．
 of the stume mame，at the somth end of kinsin 1－band，with mannfactures of pothory and buatain，
 lombmal by the British llowt in Istis．

## Kaidtelli Fall．See lisakoribur．

Iialifung，vapital of the Chinese prowinte of Ilonan，near the southern hank of the Hommeno． Where tha great inumdation arematal in list，Jong the ehief settlament of the dew in Chinas．Immore its 100,160 inhabitants are many Dohammadams．

## Kililás．Sew Ellond，INots．

Kifin．an ald term in Senteh law，used to denot＂ rant ladin in kinn，is in the fhage of poultry ur animals，to a lamblome．

Kainite a hydrateal compomme of the elaborides



Kairal．expital of a thintriet in morthem（iularat，


Lilluwalla a leeared wallonl town of Tunic． in atl open，marshy platn，so miles s．uf tha＇ capital．It comtains abont fifty ucelonitstion struetures，bf whieh the mongure of（Halia，who
 saered of latan．Ont－inte the eity，to the north－ west，is the monstue of the companion－i．a．of the l＇roplet：this ant otler satom tombs hat


 hey the preseme of Jews and for the most pat of chastian travellers；bit it was entored and
 coppley vecenc，potash，carpets，and articles in Inather．I＇op， 15,0 on．See E．Liar，Common of the


Kanisilridft．See C＇esished．

 Wiomse，hats of late peats developol into an impurtant manafaeturing place．＇The chiof mann－ factures are timaes，yant，sewing and nther mathines，altamarime，furniture，beery，hacko．心r：：






Litiserswertha a lons－inn won on the lihime，
 is that stat of the deanomeons lowne fommed by


## Kitiser Wilhelin＇s Latilf．Nev NEW

 ritives．
 nevered tratithomally with the momher－goml llam




 tilus），a remarbable bird，a native of Dew Zeatamel，
belomying to the l'armot fimaly (l'sittaridia), hat of sery owl like aplearane, and like the owls, noctnonal, on nearly m, concealing itself in holes during the day, eacelt in very ghany veather. The bakiln take flumession of a bole, whore one exists, amming stanes of the ruat of trees, hat seems also to have the power of making a burow for itself. It lives grearimely. The ileola of the hakitpe is more juensant amd delicate than that of any other parot. It has disapleared from the northem ixlamy of N Yew healaml, and it will prob. ably mon he extinet. moles means are aropted for it pros. tection. it is the only hown hird has. ing large wings which does not use them for thinht.

## Kakolyle. See Cacour Le.

Kalahiori Desirt, a wast tract of country Iying letween Great Kanamadand and he hanalame in Sonth linca, extemding from the Gariol or brange liver mothward to $21-5$ lat.. or the verge of the Xgimi regiom, a distanee of nearly boo miles, with an average beath of about 350 miles. Athongh called a desert, it is not entirely such an that nume implies. The evion is an elevated lasin, 3000 tor 4000 foct high, with mumerons leproions, and londered in most barts bes a whe frelt of samly waterlese comatry. Bun the rainiall in the interion is sallicient to nombina a fair amont of regetation. Many barts are thickly covered with hinh, thomy bosher, which harlume harge quantities of pathe. The inhabitants, ealled bakalahati, keep cattle and grow cum, and live ly these and hy the ehares. Wanterine bushmen ate :aloo fund in the 'ilesert.' See ratini, Across the

 fumens of timere, in the tialf of kom, is the seat of all archbinhop. Its exports (chrants, liges, olive-onl, and way have an amal satue of ablue


Kalamazoo', "apital of halamban ${ }^{\text {momaty, }}$ Michisan, is linely situated on the riwer of the same name, 144 miles he mal ENE. of "hicaro. If is the seat of the state insane isylum and if Kalamazo Collerge (Baptist). The aity is that menting pare of three importan malvars, and hat smue lifty has mandatorin of machinery,
 took, fmonture, de. fery is grown in large quatities near the town. lop. ( 1890 ) 18, s. 3 .
 Sate, 17 mikns. of Maghomp. It has manfar.


Kaleidoseobe (from cir, lethes, heratiful,




 mu culo, and make with each uther an ample
which is an aliquot prort of 1 so , whist the one end is litted up with an eycglans, and the other is elosed ly two grasses, at a small distance from eath ohnor, between whidh atre phaced little frarments of glass or other varionsly-coloned objects. The eye lowking into the tulne now preens these whects moltipited as man times as the ample which the rethecting phanes mahe witla "ach other $i_{s}$ contained in the whole civemuferne of a cirele, and always symutrimally di-poned: and the slightest shaking of the instrmont produces new ligures. There ate varioms monlications of the kaleidescope, ly some of which its power is much increased: for example the mitros may le arjustable at various andes metaned with respect to a valially distant centre, so that arehed pattems may be whtained: and it is mot only a pleasing tos, lout is sometimes nsed hy pattern-drawers and others, to whom it supplies culless saricties of tigutes.

## Kalfolds. Ne Chesis.


Kalcanl. a Chinese town, 110 miles NW. of Peling. milt ofmsite the pasage thmosh the Cireat Wiall, is one of the chite cmporimas of the Chinese tea trate with Momgolia and Siheria. some $21,200,1106$ th. lofing expurted from here ammally. 'Textile and smoked provism are imprteil from sileria and liussia. Popr. 70,000 .
Rali. See Mtiadu.

Kalidása. tho greatest dramatiot. and one of the nowt eelebrated pets of Imhia. He is known
 Lant ling"), which, firs introluced tor the notice of the westem world by Sir Willian Iomes (17s9),
 A recent translation in Sir NI. Williams (ath ell. 1ssi). Another drama of the same pret, and next in renown to Sieknatulu, is the l'hrumormasi ('The Hero and the Nymh'). liesides these works Hindu tratition ameriles to his anthomelig a thired

 amb wher forems. Lint it reme inerelfibe that
 style : and it har been asommen that there were at lowist three Kalidisas. The date of the anthor of Silfontula i- alon rexremely delateable: it was in the reign of Vikramaditya of C fiain. Int there

「ikramallitya in question reigneal $500-500$ A. D .

## Kalif. see C'slif.

## Kalilall wa Dimmall. see limpal.

Kalinjar, a hill fortvess and hill shine in the Nontheretern lrowine of ludia, stamls on an isolated rock (1230 feet high), the temimation of arpur of the Vinillya Momitane, werlowing the
 for lark to a perion of great :utiquils, the name
 a city eran at that time fanms. The whole roek is libekly stmder. with ruin of ancient Ilindu adifices ind wher wolk, inchaling pateways, temples, tanks, taver, stather, imseriptions, dic. the mont celelmaten of all haing the remains of the *uparlo temple of Xil Katha Mabalen.

Kalisz. the ragital of a movemment (atera,
 name in linwian loband, bion the frontier river,

 it is one of the whow towns of Protarl: in it
 disencired, and may amont harial-momals exis.




 treaty oi allianm hetwern tru－ia and linswia．

 of the same name．is sitmatol om an i－limel in Kalmar sombl，oppositu the ixtand of oland．The town．Which was formenly－tronsly fortition，thongh the fortifetion－are now in great part herellosh，has a goud hathome a hathlomer eathetral，and a line
 Kalmar was signel．Whiph settled tha－urepsion to the thres northern kinwinn－unon Margare uf Henmark and her lofir－（spe Desulath）The commerse of the tom is cem－iberable，and it has mamfanturw of mathm，chowy ami whato，and

Kalmia，a gems of plants of the natural order
 aluat two or thrope foret hish，natione of Nortis Ameripa，with resl．pinh，or white flowne renerally in conymis．The flowere are very Anliate am heantiful，and the comblat in the frape of a wide and hablow hell．gome of the perion an irequent mamente of garden in lintain．＇flow dedight in a peat suil．$K$ ．lutfolim，the Mombtain Lanrel，or
 Houmtains．it erome to the lipisht of ten tepet，anil tha woml in bery harl．It is marotic and danger－ on－：the leares are puisonem－to many amimalo．
 perties．A ilecoction of tho hawe hav heen wed with culvantage in cutamoms livease－hat taken internally it is fatal．I Apention of the leaves wi
 （＂arolina，of whillo stato the hant in a native，as a wabh ior nlcerations lutweren the tore．
Kalmurks，a Momeslian rape of peoples seat


 Turkie race of hoia and thm linolime to de ignat



 triet calleal Wralar．Within the equat kup of the Yollow liver of Chima：om the womm－loms of
 betwern the Don ant the Vilgat and（＇arpian． Thene tribue contitute that grat division of the



 In religion they are matry all atherepat－wi Latha－

 have an alphatert of thoir ewn．＇Pheir litmatare


 emizration of at laten hath if the loment from Gungaria intu lon－ia in lhast．This ham wan








 at lli among the Ntai Mombtaine she the
hrilliant acenant of the miseriw of the math hes



 －linese empire is mot linown．
specmens of katmock fairy talos can her read in Julg＇s colitem of the Sidhti－Kor（twia）and in vol．i．If bersmann＇s Somudisplet otoliforen untor dil hol－ muken（1504）．

Kalnat or Crucit，a town of lamgal，ta miles N．of Calentat and $\operatorname{si}$ E．of Bardian，on the
 ma－temples，and is a station of the Frese Cluoch （soritand）Miwion．It does al large abmmon of trade ley river．©hieby in rion and other matural


Killocsit a town of Hungrys，near the left

 from loff th $113: 5$ ，and has a cathedral，an arrh hislopis palace（with a limary），sume momatarios． amb an olsprvators．The inhalitant grow flax，


Kilonge．see Bit．
Kilpi，a thwn in the Nurth－westam Provinces
 lank of the lumma，on miles．Sll：of cawmere．It fiented prominently in the was wased asames the
 in Fum，and wan whe of the prinicial asention of the Eat Imalial＇umpary Here on 23nt May Mise Sir
 thma is man in appearanes．the homes lumer
 fu，blt in lifit： $12,-13$ in lsal．They manafacture
心．to Cawnore and to Calonta．
Kalloga，Miff town of the limoian wemmont of haluga，fi mile hy mal Nil．of Tula and 14，silli．from Moncom．Situated in the ventre of the empur and on the navighle river Wha，it carries on an rextensive tralm，＂－pecially in com． It mamparture feather，nil．last mats，tallow，
 －ald throughant lam－ia to the extent of mone than
 hat oftom bern a place of hani－hment for poli－ tional offinders．anomes nthere of shamy，the （＂iraw－ian chiot．Area of womemment，11：342 ar．
 soil sandy，clayey，and only monderalely fertile ：ixom one i－worked．

Kimat，the principal athont of the Vilga，rives



 Hab tributarien are the Vatha，He Tiflnmovaya， and the fiemasa，all navigathe．The Kiana i－navi




 himg．
 In bater Sandrit jurtry，he is the filvonite theme







men．The island waw anneved ly hitath in his．

 of ritatem Siberia，sheotehem aouth into the latilie


 the mildle，and terminating in a puint only 7 miles di－tint foom the northermmon of the kimile lslambs． A Chain of volcomic momatains rome down the

 equption at least twion in the l！gh eantury（lisit and
 eas is formed uf rhered，precipitume elits：The frinepal biver is the Fimehatlat，whell Hows into the latitic．The elimate is collion than in eorre－ spmuling latitudes in Enompe，amd very lamid； grass and tree veretation are eonsequently hava riant．＇The primipal vecupations of the inhabitants are finhins amb hanting．Foms are the most valu－
 domentic animal is a previlio kime of dog，which is
 ammesed to lan－iat at the end of the lath eemturs． after tha experition of the comand chaef Athorof． Popr．bitho，manle up of kamchathales，Korsaks， lamuts，aml a fow linwians．Thu Kiomehadile：－ the prepumberting rate（ ${ }^{2}$ mon in momber）lise mostly in the somtla．They are a baroly pulle whon lwell in winter in eatli pits and in summer in hight hats．Thain lamgage hamoknown rognatem： lant they are now almos rompletely Rassianised．
 tient hatbome that in rowed with ier omly during a briof preriod of the vear，is piafmemphely sitasated on tha east const．A fivilish and fromeh lext matle an masumessfat attand bom the plitee in 1sist：xiner then it has not bern fortiliond．See

 （ 2 rols．Lomml．Issi）．
 tal of 1 la lansiam gevernmemt of lodsliat，is pie－ tarepholy situated near the fromber of Austrian




 charders．The town wats destose ed by the Domed







Einmenta a matl manmfarming town of






 the but in lien，amb ly his morits fonght his wity


 betwon law and philomolos，and was mulase moterl for haia amiability，hi－eoborsatimat powars，his


 Seotrh haw he prlhi－herl a wrien of works mome ingronime ：mat interentiner than well writen


Religion（ 150 b ）a delence of the dertrine of imate bleas at the expense of the fremdom of the will ；

 silliafactory than ingemons：：thal shathes of the
 collection of mecolations on all mamme of sulbjeets．

Kammella a town of Hohiami，sitmated near the montly of the Vissol，in！miles ly rail NW．of Zwolle．It was formorly a llame town amd had a considerable frime which erambally left it as the montla of the Y＇sel sumber up．lant since the midile of the lenh emontmy the riser apmoneles have bun implaid．amd the trande of the town is
 finest mediasal elamelas in the eombtry fop．

 tobister matmfacture．Kimmen is the thothim of the I lilleh．

Kaimpfela，Eximblelet，German traveller，was
 －turliol medieine at Komigherg，ame travelled
 Which time he epent two verus（1642－94）in the



 NS．in the ligitinh Mureum．

Kamsediatkit．Sem lisurnstк．
Kanthi．or Kinrma，a town and cantonment of tha（＇entral provinces，Indiat，lyang 9 miles NE． by rat from Nigums，on the Kamhan liver，here
 timber，éattle，silt，ind pieereqools．l＇ope（ 1881 ）



Kallalkas．Rer f＇matisi





 soblh wi Nowh Kimata，helomes lo Nindras．lis





 In both．also，mataria in very presalant，apecially Mming the momamos．

 in losis，and was mastor of at small merehant vessal


 in the hathone of Tomedos．In dingot l8ot lie



 thar harlam of ．لhovithlaia ly an unfavomble wind phinging ab． 110 wis appuinterl 10 importatt
 Vats mate semator in 1 sti amd 1 its minister of






 At prexent the site comsint- of ia bat mambur of






 imhthitints.
 WH.1.




 entral or sumbern Athhanistan, -itmaterl abont 2or miles to the . W. wi kialul. It -tamk in 32
 lesell of the not. It is in the form ot and whoner spatre, while all its street-montratht, amt ent one another at right anyb. It the pint of interseetion of the two main strests there is a large

 is well watered loy two eamal. hrawn from a nevery.

 irrigation have coverel the immediate vicinity with
 creat commeres, tralinge with limmbay, Herat, Eoklama, and -imatranil. Amonis its frermanent residents Kambaliar has a larer fropurtion of Atrhans, chebly of the Durani thile', thati any othor city bif Afflani-tim. There are manemoris
 miles to the nomthwarl rions a precipitans rock. crowned ly a fortrem inurganalile to ererythimer
 of the wiry in 1939 - 4l, ther British maintaine l their
 bisot ben the hi-tory uif that part of Ania duriner


 of thirtern centarie- in the hiotory readise to the


 lislmal, Kimbahar, with briof ann! purcationi- inter










 ful little lake amoner the mammition, it milace lis




 22,$1420 ;(1491)=0,2 \pi \%$.






 in this list comatry he dial daty wh the roitht
 Aretic diseosiry ato strexth, natmaliot amd hiturian tothe list firimmelf expeditims. His acemmet




 duhn Fiomblian (2 vels. I'lilat. Lsidi). Ile died at

 lsist, and the hriefer one hy II. Jones (lomi. 1ん! (0) 。

Kallos. ste landeler, chemint, was burn in

 member of the Royal Irish Aetulemy, and in the simbe sear pojected the Imblin. Inmome of Mondonl sicura. Which, at firnt combined to ehemintry imil phatmany, was afterwards extented to imelnhe drational medicine 1 n 1840 he received the esolsl mental of the linval suciety of loman for lim researe hem into the cobloming mat ter of liolsens, amb
 Irish Academy for his disemerien in chemistry.
 Philosorly to the Losal Dmbin society. In Intis he originated the Snsemm of Indintry in lorlaml. was apoointed its lirst lirector, and the mand yrar recpived from the Lom-lientenant the homom sif honerhthoml. Ite helil for it number of pears the wilice of preanent of the pueen's C'ullene ('ork, which lue resigned in $15-3$, tosether with the directorship of the muremm. In lsat lue wite ehected president of the Royal hrinh Aeadems, imul lop died lothe Femmary 1 sigo. Ilis clace lusho ate
 sumbes ef Irelemed (151t).

 all Anotralian, althomerh at few are fombi in Now
 now rastristed, contains, acemolins to the most reli. able evimate, twenty-ther perits. The kamames are of ditherent sizes: - ome of the Wiallahises, which






They are entively hethorons - mandy erans fepders -and the two lower incoms, which are chourater flay unon eath other like the hates of selows and
 and the amimal nows it as a third lees when moving Shwly. The hinthers are wery strong, while the fore-limbs are short. They are pery powerfal animals, and the limelimb forms a bery cthectual weipon for ripping own the belios of ilore, with the ail of which here are sometimes homtent. Thes make ploproms homis, and get ofer the grount very swiftly and eraqully. Fome katgoms ean jump a feme 11 foet hight ; most ran jump one of 9 fert. In the dictricts where they are still nomer ons, they are formidathe consumers of pastare: two kangano bat as much grase as three sheep. They are tratod is vermin, beine honten, shot.
 sading or "oltiving"-when partios of homemen chan them into enilowes and lill them them, many homdreds at a time. The skin is valuath for fathor, both for shoes and gloves. The thesh is cund bating, the tail leing a lelicacy, and poducing excellent sonj. Thu great kangam was diancered in 1780 on the mast of Now sonth Wales duming beols's first voyage. Whe of the most remarkable types of kanamo is the Tren Kangaroo ( Demtrodugs), in which the limi-limhs hare lomme popertimately shater in arconane with its arloneal life. The kangaros amb Wiallahies lreed freely in the Zoological dardens at Lomdon, and the fomag, as in afl Marsmata (y.v.), are hem in a very impurfoct combition. They remain within the jumel of the mother, or letreat thate in case of danser. lone after they have reavel to tre morishoul ly the maternal milk:
 (S. (mimettm), with a somewhat shrubly suremlent stem. smoth pimatilid or qutire leaven, and lateral ractues of fowers : a mative of leon, New Zealand, Ausiralia, an Tasmania, in which lateo combtric its fruit is called kangarom aphe, and is userl as fome. When umipe, it is acrid, and produces a hurningspusation in the thont; bat when perfectly ripe, it is whalesome.
 mose estermed fouldargrase of Amstralia. it grows to a beight much ahme that of the follemprasses of Britinn, itfinds almmiant herhase, and is much relished lix cattle. The geme is allied to Androfregh, and has elneters of thwers with an involucre The : wns are sery long and wi-led, hoth in the kengarn grass and in a noarly allied onecios, A. ciliffer, which is on of the mast asteemed fordergrasese of Intia.
Kinsaroo Island, an iland of Gouth Antralia, at the mouth of the Ginlf of si Viment
 with a time "limater. por and sanly soil, and $3=0$ inlathitants-all white.
Lianiza, the name of two towns in llugsary (1) Xagy (at (ereat) Kaniza, I 36 miles ly rail sil: of Budiunes, has an active trade in axient


 of shamin. It grows worn and botaco, and fatre

Kinlo'. "apital of a piovine of the same name.



 and weath hern callan the bawhen of ratral Afige: The wall whill fimmonds the lewa of



Phem is the chitef town of the Han-a (f.v.) race.


Kansas, the 'mentral state of the Ameriean Cuinn, ind the righth in area, is lummond N. hy

 coborado. It is abmat 4 mi miles tongray. from rast to west, and 201 from morth to sonth, and contains an area of $\$ 2.080 \mathrm{sy}$. m. The onface is for the most past a rolling mavie, ringe in the nortlowest to betwem $3 \mu 4$ and 400 fert. Along the eastern hommary the averag clevation is sen feet, and the rise is so aralual an to ho impereptible: there are no momatins in the state. The bottoms along the larger streams are emmon! callen valleys, anl vary from $\frac{1}{4}$ mile to $\bar{\circ}$ miles in Winth: in pastem kiamsas ther are demply depresed, and are skirted hy lubd hatts risins ta 300 Geet, hat in the west the line low ween valley and upland can hardly he distingnishol. Kansis has no navigahle river except the lissomb, which fomm a pention of its eastom lommatry. The Kimsas or Kaw drains nearly half the state, aml the Amansas dratns another hate portion: the Sooslo and Darais los ('yentes fumish the water systm of sumberastem Kimsas. The laper strams, as the Kansas anh Arkansas, are river of the plains, with light hanks :med sandy luattoms: lat many of the smaller rivens have mok botoms, and suply ahmunt water-power. llae timber of the state is fomm in a name belt along the waterconses mincipally in the east.
Kansas has a climate smbent to extremes of temperature, hat neither extewive cold mor heat prevals for hag promes. Thare is at grat profuntion of lwinht, rlat weather in all seamons of the sarat. Whithe a recoral of $105^{\circ} \mathrm{F}$ : alwowe zero has bern ohserved, cases of fatal sumstwhe are maknown, and men pursne their ordinary untionr worations with spacely an intermption thomed ont the year. The merory ramely falls leelow zorm, and in many stames the firmors plongh daring every montliof winter. The mean :mmal
 is numb mure scanty, aud in the upmor Arkanas valle irrisation hy mona of litilnes has been intrainced. The average ammal tempmature is is F 。

The minerals of Kansas inclule lead and zine in abmance in the southeast ; coal of excellent quality, the coalfeded arominer all the eastem furtion of the state fignild in the wert ; immense hols of rork-salt ; and mineral paint, wysum, cond lmidinestomes. brick clay, amb material for hydranlie cement. The ontput if abal in the year 1 \$90 wis 21 million tonc, of leat 50rn toms, and of ziluc ev, (00 tomm-
Kansas is an arrienthral and panamal state. The mil thronghat is maifomy frrile. lan there
 mese owing to the ditlimence in the ramfall. The ane mader wheat. maize, and nats is mer 10,000, , 0 , armes (1895). The ammal produce of wheat may be

 busides rye, hathy, butwomet, flac, potateres,
 Intintilies of parime haty ane ent on the sill un-
 snitahle for eathle rai-inge, large stofho aif cattle
 and moat paching is a great impostry in kiansas (ity. Twanaifs atw mancons, minl more and more attention is riven to the raising of bowded
 of the farmor, :anl thomande of actes of planterl timber now hreak the whfar of the pratie.

connerted with agripultare and stock－rawing．＂If these the most important is hede and pork puekines． the prinepal estalishmont－hning at kana＂ity． The thoming mille are next in impromer and then the fommeris，and the mannartme of towes and agricultural implements．The lmilling of railwas：hesan in Kamas in lebo：in balo pury eonnty in the state save tive lial one or mose lines． their tutal longth exceeding shat miles．
 two senatore and seven representatives to congras． State ollicers and membere of the legiclature are elerted every two years．The marked features of the constitution are the likeral llomeateal（q．e．） exemption ；the privileses of marriph women．whe mat carry on lonsinesa and hohl propety as if single ；the suthere provisimas．Which allow women to rote at sclool and mumicipal elections：and the prohilitory statute whinh forlifs the manlacture or sale in Kansas of intociratine liguore for orther than mpelicinal or meelanical purpones．There are invane a＊－lume at Topreka anil Wawatomin，a boys reformatory at Topeka，an asylum for thas
 at Atchisun，an institution for the education of the deaf and dimb at＂lathe，and an asylum for idiotie and imberile yontlo at Winliphl：amb the state in kesa aloptef ako the industrial school for firla at lishoit．In atels townhip two mections （ 1200 aeres）have been piven th the commen schools，and the sale of thesp land－forme the hasi－of the lermanent selimal fund．Which amonnts to alomit sione，（114）．The anmal expmiture

 elementary schools，hecifow 218 teachers in 1 is
 maintaine a university at lawrence，which had 542 students in 1990：an astionltural enlleqe at Manhattan（5lt stulents）；ind a nomal selwoul at Emporia（ 1120 stulents）．There are alon：a number of denmminational and other colleges in the state．Comefucation prevaile，with hardly an expeption．
History．－Kinsas when hirst known to white
 from one of whelt，the Kaw or Kaman hatha，the river and the state derive their name－．Tlus－tate， save a small fraction，was ampire，in tho Lomisima purclase，and was organimed as a territory ly the paseage of the Kanvas N．hraska tre in lsit．Thes
 slavery as a bemanent institution in the teritury shoulit the decifled hy it－porples．Kan＊avat mod
 ＊lavery and freplom．Later partion from the hor－ dering slavestate of Mínimiri repatpollo invalud the territory ：and armed colminte from somth Carolina anil other sumbern statice rame to take bossewion．These were het be immigrants frum the northom states．Buth partien startent towns and settlements．Elections were atermutiol，lint reandiod in the spizner of the polls he the fore Glavery party and the refusel of the frex state

 eommitted．The Fealeral armini－tration wish wits
 the territory and the 「＂nitell state trmp asain－t the Froe state barty．Jinh hrown（4．y．）towls part in the civil war which preailul，and mang
 Frese hiate party was stmalily winforwel form the noth，and lis the year lam sermet werywhom


 settleri＝were killed and four hadly wombiol by：
barty from Minomi．Sfer several fatile mimas
 stintion was linally adopton in lsat，and on the 20th of lamary wiol hansas was almitterl a－a －atate of the thinn．The civil war immeliately

 sreatly thromghont the war．lan tha labiding of


 of the state has since buen ons of almon min－ terruptel properity．The jopmlation of Kamas
 ＂obulation uf the pineipal cities in lat waw： Kancas（ity，：3．316：Tunkit，the eapital，31．1117： Wichita， 23, sien（as complatel with 49 ll in lbat）； with Leavenworth，Atchizon，and Fort Seatt belaw 20，（KII）and abose 10,000 ．
Kansas City，the sermel eity of Missomi，and one of the ；reat towns of the west，is situated on the somth hank of the Xiswouri（here crosed by： time railway lifine），where the river makes a marl land to the reith， 243 miles hy rail $W$ ．by N．．f Lt Lomis．The notalle part of the eity i－himit apon a serios of steep hilts，hat the site has lwem
 heen orat in lay ing awore and water and was pipes and ealibetramways extend in all lime tions．tha lines having a total length of at least 3.3 miles．The state frontier－line lrmuds the rity on the west，and comerquently a large sulmat on this silf．alon calloul Kancas＇ity，is in the atjoin－ 1ng state of Kansas．This sulmil，connertem with K＂asa－City le a menarkable elevated railway， has a peprulation of some $40,0 \% 0$ ，and contains

 treets，and handome positences on the hille． Its pullic haihinse inchule many well－hwionen －hurches，a bine United states courthones，the imporing hombling of the Board of Trade，and everal hopitals：there are two merlical collextes here，amm aloout thirty pmblic selools．The eity is the terminuc of a minher of important railways． and is a principal distributing eentre for the tich aprimitural rewion to the math athl weet．The sale of farmine implements alone in 1 vsi reathed
 tomk yarls，and pork－pheline is a primijal in lnstry：while the manufactories，mostly in the low er setion of the city．tum out railinall imon



 by Charles botley Warner in Horjur for＂dular 185
Kalmans River in fomed lay the jumetion of the Smoky litl Fiork mut the Shamm liver，in
 ally eastward to the Mi－smat，which it mome jut ahow Kansal（ ity Lamoth，nearly sho miles，or

 at．0 mile．The impurane of the Kinsas Rever for nasigation is，lomemer，not great．
lian－an＇．the mont marth－we－tern frowine of （hima（r．v．）．
Kant．اмй


 of hi－： womer he died．His life，an that mols of at
 llis parrote were of lumber lifer lat pione


 thu hame was originally spult ('ant. The thati
 dement ; lont even Kants granfather is fomm to

 mat le comsilered as thmondy elaman: bat Thing the whole conte of there, bjp th hi twenty-

 following nime vals kint supponted himsedi ats a family fotor, the u-nal recomres of the orimary (ierman stalent, or inderel of the por ambitions student any where bemming doctor of philenplys in 17 an, he qualifien himelf in the shme rear in at priettion durichs. and, as ands. he remained for tifteren sars. what we whid call a private lecturer. thomer " in combetion with the uninerits. Kot till F-\%, whea he was forty-six yrate of ike, dis Sime lecome an molinas proferor there alwat four vears lrefore that ho had been promoted to a
 elerent jumals sterling) For nearly lifty was, then, we may say that hant was a teacher of
 for he hat to embrate in his bectures mathemation,
 thrombuy, physical gemeraghy, and, more still, Philusuphtiod Eneyromion, to say mothine of wroterlmion and the art of fortilication! There can be nu donht that Kinut was acterptable ins a teacher, and that his lectmen were well attembent. Wh. lave an interenting testimony from Inaler ta
 Was, probathy, his hallowest-that, namely, on physical geveraphy-thomgh mot without fratures,
 interexting and insthetive. Only durine the liat twents veato of his life can it bie winl that kiant
 with Lamhert amb Aemblombon in insullicient to show that his "acellent reputation hecals haw erer hean masibly more general. Wiah or withant mame, lie wa- the athor of a apmate work or two that haul manle mo matk : and he han weasion-
 principally of his own neightururhent. The wats: -mill, thin, somewhat bickety, humdla af lomes;

 finetly well combecm, thongh mot romblable for hivathmber in "hum: limbly and wacions, imul, in his wwn shemer, peritutie man wats,

 l'ifhte, with a tioht emongh wrije on hi: own litule :atins.

 or helome to the dates of his three ghat hrithen
 154: : and of the whale permint that peredon it
 mamber. Sow, let theon lue is they may, it is





 Ly themens of . Motuphasion, now erron his Lattin

 $\mathrm{h}_{\mathrm{n}}$, 6 ") "rate th liversion whother for work on
 smallar latera, the liant on kant: part that the
 retandation of the rotatomy motion of the earth: hat, otherwine, the fur insiss maned form atl that is of any writalbe importamo in the first litenary perial of Kimt. Not hat that, generally, all throbeh this periml, there is arione of math information and mati intelligent anionity on the bart of an earmetly-thinking mathre that han abredy attane to a certain lares hese and freedom of senge. The Thouyhts on the True Estimete of Liriny Fores wan kiat's lirst publication, and is a afliciently creditable to a yomme man of thentythree, thand on a question that at that mament had heen for some time alromly anthonitatisely settled. It is, however, dillientt to limb in it either the comprelense inaugral programme of him
 more monterate ahnirem. The Theor! of $/$ or
 the suggestion of a neloular hepothesis in that reforate kiant denervedly chimial for himedf the prionty whother we lows to Heredel or Laphace. Here, tom, neverthelens, kant only met with his that hat luck for lomg. The little anonymoun lowklet af two hmalad pages attracted no attenthon, not even that of the king, to whom it wan derlieated. It mas be attributed to kimat an a merit that, at this carly thate, he spaks of the pmalifity of there being blanets in existence fursond sutum, is there is to lie fomme in the Physitel Giengeqhy it similar enjeeture as regatels tha exintence of what ate now willed the asteroils. But in the later reference kian was not the first; while. his sumpestion in the former was an inspimtion from an bilet of hix own in regad to comats. What, he anked himedt, it, ont and beromb Satum, there were fhethets in pathe increasingly eromtrie wheh, ats it wole. womble temi on the whole to make romets of jamets: It is lout just to note that, a year before its pmblicition, the Theory of the Heriens had been alrealy anmonesed in the emay that comeems the earth's rotation. When me think of what pernlatime masi have oecugied at thi- time the mime of kim, me munt achomberige that all this sueak volnmes for the industrims impuiries and the sudent and orighal reflections of this yomer man of thity.
 is a rather remiorkable piper. Kant, all his life, at hatist langeal to lebieve in the inmurality of the sonl that the actuality in existene of a womp of - pirits. Ihe waw rery mull impored, acomingly,
 intuitions of swedenbog, ao madh so, indeed, that


 his teuling in these volumes that hat is led 10 write, half-serimanly and hali-andamed, this little, for him exceptional, paper, that is. howeser, maly in the ain. Not hat that there atre in all prolialitity,
 lint that led in the and to what has determinad itedf :ts his proprr work and as his proper worth.


 writing :ax , mentoment of his preator enter-
 Intelligibilh: firmue of frimeripins, fublished in
 cmbanomrs. it profeson 10 anak of the fom and prinaiples of both of the workls to whirl we maty
 own wish in regatil to onte of them. For the world

 of experience that ate nut due to experionce :a
all, perceptions of things that we mot due to the perchution of thinga, hat only to the minn itwle, only, as it were, foprojectioms from within that throw thomelveswithout, and stand aromm without. Thene ate 'lime and Stace, which, oriminal or native to tha faculty itself, are tho "f frimi forms of perceptive sense. 'J'hat, at leant, is the conclusion of hant: and. in that romala, he is now
 deven youm afterwark in tha ratapor. I sibular completeness does nut follow lim at preand, haw. ever, in respeet to the other $\mathrm{m}^{\circ}$ intelligible world. the world of ideas, of the intellert, the nans of whieh also rome in the title. Irobably mo one reads this Latin work in these days: lint if any one attempts it, nost asomredly lo will timi lim. self, in regard to what of the intulligible world he is to mulentind he las- learned from it, ondy exas. perated. It is only jumible to munose oif kiant hare, that, latving suceectend to his mind iu the ${ }^{*}$ di-covery of " priori fomm of sents, he can as ret only searel and starch. and liml himself vargm! and varionsly bofyod, in a similan attempt with reference to the "t furior principho af the waterstanding, the intellect. For succe- in that resject he had still to wait for the cominar into his mind of the illea of sehoml. logic and the foms of the sllowi-ll.

That was the timmph of the armat work of bist, the Critique of L'me lionson. We know that what lerl to the whole work of kiant wats the endearour on his part to dind in the promosition of cansality that abmbetic necessiby, anol that rationale of it, which Hume, as againot his own sulution of chstom,

 Hunte, hat -ucl oun athair as elanne can only loe Known by experience : withont experience it woula
 wi experience, and, like wery mber suel fact. We know that it is. hat mont that it menst he. The neeessity we attributh to its apmetrance is only a
 we really do attrihnte to any abluarane of change
 Jate, a neeesity, inot a dot wa jot, not mine inta lens apoulietie than we attribute to :uny promos tion, to any axion of them mathematics. "That the sirntent line is the-t raight line-omr anviction in
 than our comviction that wery oblect, every ehatuge, most have a canse. An! so tar, mo donht, Kant was riaht. But what, then, farthor, of the ratonn of this necessity, the rationsle uif it, the explamat fion of it? Seciner that the promoition of can-atity
 witl it conelusim, as it wern, fronn premian -onco wonld have thonght it nataral un the jart of liant


 at- laan int been nameel, it was the surarestion of mathematios that led to this. lou explatim the Henessity of mathematico mipht be for explain alan the nemosoity of vansality. Whe "atn leabe Kinn s

 cla-ion athel tor him heliei in it. I mathernatical





 ence; it jurception, antequmaty, thon, warial,

 Why, bnly by spotre, whidl was the somict and
the reat, and, $w$ to prodi, tha Hiblkhomal aml

 have spetle from the Mixse rtertion, this of "f "tom ferception, was probably kants lirs atomisition
 Evidently, however, it was still inmbenatur (1) tha want. T'ine and shace michlat lue " f"imer, lont


 "if the " mioni prowetive f:m, minht. in ronhlina tims with it, give birtl to an " "rien whoum in
 anthal instance of cansality that comblampably Mmores: It was bere mow that the susgestion of logie gave tu kiant his whole tree of C'utequotio as


 tive, meative, infinite - catemorical, loflothetical,
 fir, what was conermal was in its nature analytic: font if we - inflemed an "qual mamber of synthotio. fometions, then moler the sume foms enmeral rulnie of Unamtity, (puality, Li, lation, amd Xomality. wo
 mity, multitule, almers: leality, nemation, limi 1ation ; sulatance, eansalits, recibusoity; fumi bility, metmality, menomity. It is impussilite to



These raterergio now weme remstatutiof: thes actually entered into the compunition amd vond
 for the lerceptiond of semat. 'That is, ats anting on
 aml time, they (the catemones) gate rive to a plore "1 e frami jerceptive-intellectual whomethat, combining with the stasiations of semee athere eame into conseionsmess (fonm wheme they misht), forduetel, in frojection aromed us, this maled and rasulated, orderly, intelljeilite univeres, in wheli the neromity dine to the eateroniom was the very
 there wore ablen\}. comblotiols, the thate lohms. Jetemmed by the ettemens of lielation in the thee forma whicl are fombl moder it, there abe.










 lomson mow to rome in and vicuml at least the

 anthority amb fulerman on thiv eritigur in thi- is

 mination of its wwn will. ('msidhring that tho


 stand how, promtionlly, it ratt rise at ollor inter






 the lither's of katnt.

It womlal appeby that when kiant hat aremm-
 bum it ame reflot. I have fomme, he semme to have sail to himati, my (oatemories in the "prome


 anemere intorest that maname-what of mur interest that we call arsthetie? 'I'hat refers to a fametion on omb last that serms intromsitate latwem the

 -tansling amb lactan, is thar mothing similarly
 is duldument. Imb so it was that kiant was led to his thire erreat eritigne the sulypete of which

 the hartamy of wir awn two eomatitation elements --xpmes. 1 m the ond side and intelleet on the other. sublinity was the feelinis of the exaltation in mind alnive every menace and marnitude of sense.
 ment hy amother liand as thomen from withont, it Wias imposihle to wive it place on shell terms, in one worlat: which. in the contrilmtime of special samse (mare senvations) in time and -pater, in tho
 within-a worl, inled. all lom wholly wim own romstraction within. Wer cond maly say af it

 world wes theneyt it wre the prombet of an momer -tanlinis.

Amony the remaininer worlis of liant there are
 little valar-at leant an far az miximality is concerned. Such are the finthermatogie amb the hamik.

 liometeti-all ars well worth realines, aml will Ereatly helle to a wememb mulerctantinis of ibeir author. In that latter respert the Proilofommon, the retitaian of liberharl, and the exsey on the

 namel imliepencahle. Tho mas in thr phiser

 and still lase, furphos, varines little asalys in natmal history Ewon the ratigne of Il wraver will lo fomal aromi. sul, just mo the whole, it may ha


 om nathmal histary for examulo, haworer unimportant thay may "!pear, contain mom than ona

 - reation, has grt. in hiv jercention of the existomer

 menhamimal exolation thrman abmor.

It is imposible to overate thernormote impolaf which kint hat hoon the monas of eriviner to the




 in thin comeretiens. It is not grite certain. hows.

 $1_{0}$ : know bot hat that, if all ihat monstroms \&ambt marlinery anthotie, analytie what mot
 proner for tha promberm in the neremits in can-ality wa knuw mat lat that, if all ihat
monstrons gannt machinery (time and space themadios shat nu within it han heen seriously
 the time of Mume-we know mot lant that it might have heten rareived with smmethime more monequivocal than a smile! liut he that as it may, and assuming the comstructions of Kant to pave in themselves neither a solntion for the problem of the miverse, now ret for the pohben of eansality, we have still to bear in mime what sumfestion in his rexarl means. Apart all consideration of his followers, the truth is that it is tokiant wrowe-with discomint only of all necessary bistoricial aldition

- ont entire metaplysiobl material at present. Leally, whateser metal of spendation is anywhere mmed mow, the ore of it wask Kant's. The 'ritique uf I'tor Retesom, if not preabely to lae named a libural mheation, veryeretainly is, has hash, and will remain, an alneation in philorophy.

Rimbimirafur.-A conjulete bibliography of kant would cover pares, and is hesomul the proportions of this publication. We name only what will probably lee found most useful. Of the whale works form editions may be mentioned, those of finsenkianz and schubert (Leip. 18:s 42) : of Hartenstein (Leip. 1s:3s :3! ) ; agan of Hartenstein (Leip. 1sif tha) : of V .
 (Leip, 1s~0) elits a notable edition of the Critique of I'wh Furson, am? Reclam, of Leipzig, publishes a very wefnl suall edition of the same work, edited by Kehrbach. (of translations of the rertigue of Pure Ruston into English there are those uf Meiklejohn and Max Miller, and the text-book to kint of Sitirling. Abbott and Bax also translat. into English improtant works of Kant, the one the Ethies and the other the I'mopomena.
"If writers gemerally in regard to the philosophy of Kant the following may be mentioned-German: Hegel, Dlichelet, Erdmann, Itberwior, Schwegler, Kumo Fischer, 1. H. Fichte, (halyhams, ITrici。 Ditdemann, Weigelt, Furtlage, Ritter, Kirchner, Irechsler, Liehman, Ilaym, Oischmer, silaarschmint, Zuller, 1ruhisch, Stetien, Windelband, V. Hartmann, Kratse, Filkelt, Hölder, Yahinger, Standinger, Lasswitz. Spicker, l"aulsen, 'Thiele, (Bhen, Kichl, stadler, Thilo, I uham, sigwart, Falcken-
 (areil, barchui de Penhoen, saintes, Manrial, Saisset, Villers, Yacherot, Consin. Italian: taluphi, 'lesta, Spaventa, Lilla, ('esca, English: Nitsch. Willich, Hodgsom, Labrie, duntgonery, Doltan, Inglely, Miamson, seth, Hastie, Rawen, Morris, forter, 'aird, Watson, Malatfy, Margure, Monck, Green, Wallace, Mansel, Lewe's, Nakashma, A. I. Palfour.
 in malimer forerlain. like lese phre elays it is
 acomparatively rave subtamore. Tha rays fomm in most lowalities fontain inm in sulberinnt prantity to colour them red or lall when lummen a kiln, lnit Chima clay is of a pure, we raty pome white hoth lofore and aster it is tirmo. 'Ihis, twather with its refartory nature, makrs it of erpat value in the mambacture of purobain, of whind it furms the rhiof ingredient. It is alen mand tor a ronsider. able extent ly papromakirs, and in lose quantity
 ja a prolnet of tho deemumation of the felamar of a manific rock. 'The nane kioslin is derived from
 hills near king tilu-bin in ('hiang lasi, a chief






 lin is fomm in latmee, abol in Selraska and other statos of thw Smorican linom; in the lonitod Statcuthe ammal comanmplion is abme 18,000 toms.


Kaprollmeinter (berman), the diretor of ath orchestra on clowir, more especially the band of at ruling prince in (Bermany.

Kapilat. the fomber of the Samblay phato. sophy, one of the philowophat shonhe of tho llimbus. He i- mally reputed to have heen a son of brahma ; hat he is otherwise themtiled an an incamation of Vishma.

Kipplel. Se Cuppel.
Kara, the name of a gold-mining distrid, in at Wreary balley in easterm Siberia, alonul 30 milos from Chita amb mealy 5000 from St Petershure The mines ane the prisate property of the czar, and are worked hy conviet, of whm there arm gener ally ahout 2 (hion atatimed here. The anmal yibly is 6400 w. of culd. Sine 159.9 Rassima pmitical prisoners have heen regularly sent to thin rennet. region. See kimnams interesting pilpers in the


Karachi. sen Klerbuek
Kara-Georise. see Czesㄱ.

Karaites. Se Jews ( Religion).
Kara-kial. Ste lbotatia.
Karakormoll. 1) a name siven, luat accorting
 rame, in the westem llimalayare; soluetimes alon it is given, agam ermemely, to the knen-Lum range on the morth of Tiket. The Mhatarla or Anztagh rance is that part of the Mimalayas which lies to the wost of the luthes and extembis as far as the hat of the Gilgit Valley. It embrame some of the loftiest peaks of the fimalayan $\because$ stem. - ( 2 ) The natme is poperly apmphate 1 , al pass ( 1 c, an feet), thas calminating print of the rnute hetween holia and Ean Turkestan, in $39^{\circ} 33^{\circ}$ S. lat. anm nortli from Leh.- (3) Karakom is also used to intieate the old Mmushlim rapital,
 tributary of the andera liver. The ruins remain. For the monntains, see Himaliya: Asia, p. As. and Conway, C'imbing in the Komelorem Mumtuins (1s94).

Karambanal, a river of ladia, divide [athgal fom the Xb, Provinces, amb, aftor a comme of Iti miles, enter the Gang- from the right. Tlae
 moither drink mem mon its watere, athomgh they aro of erysal cheames and ahomed in lish.
Karamsiln. Numbas Mrmanomern, the greatent of latian historiam, wis hom on toth
 Ili, father, an othem of Tartar dement, placed him in the amy. hat has sum leit it to devote himelf to literary pmonite, amb, ater a tome in

 tales, erition papers, tramiationo. we. The work which fiot grimed him a high remtation was his

 :und from thi time latunaed minterrupudly at lis


 the fir-t matly eritical himory of hamia, kamans
 like lvan the Trerrible that it hat been catleol the - Epic oi lhomation.

Karan Soal is the burtion of the Arelide weran
 sulat oth the silurian wiat. Thar river Mhi atil


 "aptain Wiggins (whe lirat dmmontrated the natigatility of the sea in the previdus yeat), has more than once succended in carsing i caran of merchamline to the month of the Venisci, amb
 Theing flas navigalbe for alont two mombe (Joly to Septrander) in the year, it is loped that it ran lop male available for an impromt trale with Sibrial Captain Howgarl of the Jamish nays
 ary fato) that this womb the thon feasihle rainte wherely to remb the Nomth l'ole.

Karaterein, a county of contral Aia, forms
 Lis-Mian province of Ferrhana (Klakami) on the



 climate is very sosere : nevertheftos much frnit
 mumor alunt 100,040 , with athont 50060 inmad
 froll one of Devander's aptains, and only lost their imberembence, to bokhara, in asis.

Karanli (Kmorloc), a native state in hajputama, sparated by the rive 'hambal from
 nearly all Hindus. It in a hilly comntry, evecially
 of Cowaliur, is dement ly a samblome 11 all, 2 mile

 of trate cmanaia, is stmatial 99 milen liy mil E .


Karoliat an oh mane for the sonthera part of finland, annexed to linsia ley Poter the dreat in 1721. The kiarlians poperly so rallal are a
 who dwall in the estotern parto of Finland and



Karikal. the recom in imputatere of the Fromelt proseninns in India, is on the comomatel cobat, 12 mila N. of Xogapatam, and has an area
 plial with rivery and eamals, and laroly sinomp to the caltivation of rice. Tloe plamant litho "apital, almont a mile from the sea, hav loen tome times taken ly the Fritish. Them is an action
 stait-setpoments. The ammal permme is athent


 la frint atamis a liom pillar, supprting forn liom-



 7 inches, the heinht lanis mot wer for fort. The






 the entrance in me ervat wimben in the form of a lormeshon slimeting the light mainls an that




Karlsbad. For Karkhad, Kal-krona, kark-





Liarmathians. a reliwions and mommonita
 A ia muler the lead of llambath Kamat, a peazame







 phonlered banwa: arst sar he phondered a

 or mablatige the inhalitants. In 930 daring the Haji he Fowk Dleca, killing 30,010 premone choknd the well Zan Zan wih comber, and eathad away the biack sume. Then he threatened
 armed zatots. Bumb the next ci-ht sears then was mo Ilaji, hat it wa- peamen on a payment
 leader died in parice in !43, leating the eontrol of relision and politic- to a council of wem. Aiter a twontwo year ahame the hatk stome wat bromgh hack to Morea by the kamathians and ramomal. Dorme the next handred yeats the
 matmial eamee. lut mot motil it hat acten ats a powertal dimalvent on the calitate.

## Killuate, sur Thenes.

 Imdia, ; mile $W$. uf the pront eomse of the

 in 1-91, and tu 21,963 in 1991.

## 




 the Kifina forn the Nivanis dominom- - contans

 traverese it for 140 mikes. Karnul nlle end wry - everels darine the ianime of $19-5$
 novelist who home mived hin pmontaty, wan
 onluatem at the coblegre burnom, and eatly

 in lowe by its originality and wit fomm its.


 :and in the satue yar he startes the isalue of
 hite mation of which bramith him matuy readers,

 -r.









Garroor, a mentic name given to the hiyh plains of tape Coloms. But fle worl is more unatly anmoiated with the (ireat karm, the clevated haxin, mote than 3000 fert atmer seaterel,
 Tetween the Nienwereld Berge on the morth and the Zwarte Berge m the sonth. It in mot a sandy Hesert: after riin it rich red anil is eovered with a thick capect of wran am flowers. Nevertheless. during nine monthe of the yat, when rain does not fill, it has a fitched, baren aprarance. Lame burls of shef :mon grat- (Anroma), with -mather theek of utriche, eattle, and horses, are pastured on it dming the seatom of grass. The learth of water is man being insome partsentiated hy windmill and woll for prochring the water that is gemerally fomm at some tiname beblow the -urface. Two centmies ago this district was a perfiet paralive for pathe. Which esen yet is not puite extinct. see 11. A. Bryden, iflonf and herroe (15s9).

Liars, a fortress of Ruswian Amenia, lies alont 110 miles NE. of Erzermm. It is situated on a tahbland of unwards of (anou fert in elevation; the rlimate is therefore rather severe. Pop. (1890), since the Turk- and Laze have migrated to Turky, stor, mostly Armenian, who cary on an actine trameit trale. In lsen kitm wa taken tran the Turk hy the linsians moler Paskevitch. It was hrilliantly defended ly the Turks muter Gemeral Willamis for six montho in 185\%. At the logiming of the war of 1 soi- -8 kars was inversted hy the lassians, bat relieved in July by Mokils. tar lamat lenowed again in the atomm. it was amped hy stom on tath Somember laja by feneral Latatefi. Katr, lomg a balwath of the Othoman Empite in Asia, was me of the Amenian fortresses the erenion of which th linesia was agreed to ly the berlin Compor in $1 \mathbf{5} \mathbf{5}$. It foms now a com.
 the platean of Aia Minor, fablitating future asoresim tovards Ergerman and 'lukish Arnumia in genpral. Kats. whose fortilirations have heen recently angmented, is nearly imprumahle. see mark on the siere of 1sai by Sandwith (1850) and l:anchee Olipilant ( $1 \times 50$ )


 surrombled fy woll-cultivated land :and nomerons
 in the transit trale hetwern labliara, Fatul, and hubia. Hos knive and fireams are exported to all parts of mentral A-ia, limia, Maha, and Turker. The inhalitants, atimated at en, omo, are for the most fart l'sher, with a miature of Tajiks, ludians, Dfghan-, amb lews.

## Karst. See chonth.

Killoull. See Кhatrom
Gartikeyat, the Hindu Mars, er winl of war, a
 from Siva, after a mitaculous fashim.
Karin! River (lewian Kormen: the llai of branel, siii. ©), the whe navigathe rive of lersia.


 where it becomw mavimathe. It . Shwaz a reach oif raplode amb boken water bam the comse of bosels to the loner kiant, and a camal from Ahwat to a print alwnt $1!$ mile down stream will have to loe con hatore thrond havigation is fusible. I tramway wa in 1890 in combe of comstruction for the converane of pasenger and merchamdia from the limit of mavigable wather to

 withont an abstacle flamorh a mombry natmatly rial and ferfile．lut mow entirely unembivated．
 with the water of the Einplatates and Tiuris
 sellyy avemmed the kianin in firr as shantre， and mable a report uremer tho impontance of thi－ waterw：y to Ensli－h chmmeree．Jht it was not till Wetrber l－w that，thometh the insmmentality
 tes at Telseran，the mavization wa－fhomon on rosial proclamation mut tor Enerland unly hot to the commeree of the world．It i－dillialt forangerate the importance of this new tralu fonte to lemata， tu lhitish India．or tu Enッlimul．

See WV．F．Ameworth．The liter Kintur（s：0）：Jour．
 series，vol．v．p．120：aml the Timus if 4th Fehruary lew．

Katryokinesis．sw（＇ELL
Ka＊il．See Kixがね．
Kawallik．or Kezavisk，a town of Eantom liommelia，at the font of the lhalkans． 5 miles from the somthern ond of the shipha l＇aso，atmo




 hamlooment towne of $1 l_{\text {ungrary }}$ is situated in the
 clad mountains， 130 miles las mal NE．ni Buda pest．＇Ithe eathedral of Sht Elizabeth（luilt 1200－
 town，which ranks in the powincial capital of northern Humgars，is the seat of a lioman Catholi． bishopr，has varion－sehmos，an abrioultural insti－


 the Jwatit university fomblat hare in 16.59 all that now remains in the litw acollems．Pole（14！1）
 Hunsmian revolution of 心ちゃ。

Kishatian one of the mos flomblimus towns ai ler＜a，i－sitnated in a woll prendma，well cultivatm

 partienlarly melons amb［w：ar，atal the town for ith

 Fiesthe，capreta，amb rompr－waro．It is a larmo town．ant ahomals，lika all lomisin fowns，in




 ＇lohe town and distriet of kithostr hato a pogla－
 died plitee overlooking the kizil liver．he whin it
 hailt in ls 3x．In this lat momtoman biat of the town stame the：Writit i．e．the pralawe of tho（hi－ neat mosernose of the whale provilum，an well in






 ron＊ul．the only Enronean diplomatiot in thin piat
 learming in evatern furkotith．i－lomatua a famom－


 and for a varioty af exmellont frait－ewing to it riob irriontion therial from sempral rixar and rathal flowing from the morth and the weot．Itamont flome


 the jevolntome and wars ratinge on the romlimend

 raption it hats remained in their prower．Tha lat
 im lutit．Kiangras wam viviton lis the mixion of
 lnotwoen Engriml and Yakub；lont－imet the Wnatmmman ruler was vamquishul amt the cmantry romben he the Chinexe in lara，Kablyar has bren laft antirely to the pulitical and comb－ mercial intmence of limsia．See Colomel kurnat－



Lialoonbishla a stawnie dialeet smben lis
 Wheeherit hemblheremarded an a dialect of Podish． or as at form of the extmet lalatian．


 On it－rishs bank，a few milso fom the montl．is the villane of Kankaskia，whinh wat the lirat eapi－ tal af Illimoi－Torritury．

Litsciti．the ereat somthern thibmary of the
 the Lirsti（1569）．

Kissalat．a fontified tumn，fommoly the eatimal uf the Nombn listriet of Taka，stamls on atrilm－


 the Mablali－rive hand a l＂ymation（with warrionn）

 under the Anerlo－Italian eonvernion，and ham ancomb
 Ther ru－stabliwhment of owler in the Eerymion sumban（lsig）has restureal to the platee somethine of it old inturntance．

Hiascassill，at leck on the canal hotworn




## 









## Gisvilh．Selk．szin．

Wintallalit．the hishoret momntain in the state









 somperal Tinmare tions between lal：3 and lasie．＂1＂he most immortant of lis memonis jelate to the dater． mination of the lerneth of the serentuls furmbinm at
the latitule of Lomdon: the • flomang whimatom, an insermment for adine the atemmination of the lorizontal or zenith points. for which invention lie received the gold modial of the lanal Atromomi"al semety; the bition stambard of lenghand and

 Bechanice' in the Coblumet 'indoporlor. Fion the
 vif lenstla.

## Rithanine. Kee Cuthanive

Kathiawar. a penimala on the west eonst of India, hane betworn the find of rembery and the Ginlf of Cotch; the limhman and native name for it i Siereshto. Politially, the hame Kathawar Aneme (formen in lse?) is given to a collection of 157 states, some inderendent, some tributary to nation princes, and whe ( 10.5 ) tributary to the
 embluare the greater part of the kiathiaw ar l'enin-

 inth of the total pamtity of coftom exporteil from Bombas. The rendent of the agency lives at lajajut.
 joumation, wan lam at Jowow in lisis, studied at the miverition of Macow, Kmigulerg, ind Berlin, and for mane time tilled the chair of lohbophy at Snacow. In 1861 he hecinme elitor of the Mastoe roizetto. the agats of the univerity, an! ewothally mate it the most influential jomral in linsmat. di tirst an adrowate of parliamentiay govermmont and reform, Katkotl wate emberted by le loli-h
 hurnt, and a fanatical sumperter of leactimary
 nationall lanian ideas' in prlitios, and iupluiral itn indlapore in the fovermande equal to, if mot grater than, that of the mininters except the Chancellow) and is said to hame heen manls instru-




 vinces. In enjoyed an inmorne polplaty as the represemative of lansian Chanimion. has died


## 

 Scotish lakes, in Stirling emel lereh shimen mik

 eat-shatheantwind, is nowhoryuite a mile brad, and han a maximum inepth of tois thet, and an atrea



 at its hewer end, wheme shmas are beatifallis wanleol, with the momatain defile of the Tromedis
 Billen's W-a, the chicf reene of the Lowty of the




 in the Cat, colner, rime in the bilimaturg, in the fartile valley of whinh :L Hotemon sethlement

 diatrict of Stock matrom (after Crptain Stombent



Kintimmondon. a subatance momewhat reme blines guttar prexha, is the milky juice of the bast Indian phant, Eiqphorbin cettimitudeo, used in India as a cement.

Katt ydid, a name aplial to numerons. Amerinan
 athreal in habit, and are well concealed in the foliage by their green colmur. 'Tlue true kittyhil, almmant in the contral and westemstates is Cyrto-
 yet enmmoner, and there are several other suecies belonging to these and other parat. In their
 lables kat $y$-din rifer, and in the chg- laying acomplimed by the long wipnitms of the females, these lively insects resemble tiasshopers ( 1. . $_{\text {. }}$ ).

Itatabach, a river in the Prunsian posince of silesia, which falls into the Oder at Parchawitz. On its banks, in the vicinity of Liegnitz, on 2bth Ansnat ISIS the Frenela inder Maedonald, 80,000 strong, wre defeated by Prusian and Rassian treng muler libirher. The french lost 12,000 killed and womded, and 18,000 prisoners, with 103 cannon.

Killib. See C'urb.
 : cerlam. Whilst still a child she painted the pertraito of motahilities in ltaly, and in Rome fell nuter the good intluence of 1 int $k$ elmann. In 1706 lady Wentworth, wife of the liritinh resident in Sonies persuaded her to ge to Lumbon. There whe som leerame fanoms as a painter of chassic and mythological pietures, and as a portraitpainter. She was pefriemed ly lieymolds and was momated one of the wery first latel of loyal Aratemicians. hat her life was for a while em. hittered hy it marriage ( 1.6 i ) into which she hand lawn tricked by a mete adventurn. It cost her a harep part of hier fortme to ret the marriage dis. onlied. 1 n 15sl she married the latian painter Zuerhi (1729-45), and, returuing to Liome, lived for her art in of eirele of distinguished artiste, purts, ant melholars. she died 5 ha Xowember sot. Her muntwos prantings are well known from momingo log Bartolozai and others. As a painter She fails to attain to the first rank. Grace and hamomions colourine do not utone for falty drawing :umb latk of originality. Mugelict was also an ewomplished singer. Her hounty and tatents weme -ung hysuch prots as Coldmith, Klopstock, and romoner, and her sumy has in recent times furmoned at theme to Miss Thankeray. See Wes
 (1s:-9): Dublin luir. Dray., 1873; Irt Journal,


Kanfmanm. Cossmoxtine rox, a liusiam


 in 1535 , Gought asainst the 'irectabians in the Cancatus, inm coperially distinguislied limedf at the seme of kits in 1sas. In latio he was apponted suveror-wenmal of 「urkestan, and at one ret himself to urganise this pronime, then uewly conyurrel: in lsts lie ocenphed Simareand, and in
 Khiva, Thromgh his anemetice policy liussia lee
 !i.meral Kmbman ilie! on hith May Isse at
 (15s0).
 Was lorm it Aroben, in tha prine ipality of Wial.



Ite wan out of Comelius: luat puphls, and followed
 death he was dimenter of the Aealomy of latinting

 dioplaym from the fiat no lack of imbinatual genins: Smate hia tirst important productions were sixteen mural paintines illn-t matime the my th of Amor and loxdee in the patace of luke Masi
 in the often. Then he exechted at mumer af designs from the wonk of khonterk. Wielaml.

 of the Hume: remenming the legend of the struggle. continned in mild-itr, between the senls of the Huns and limans whe hath fiallen liefore the walls of Fhme, which was regament as the malmination of the new derman allenl. Nevertle less, the realintie tembucies of his genins rame out in hi illustration- of Schiller, Goethe's Foust, and Reinthe Fuhs, iml in his "Mathonse.' In 1846 Kimbiach comploted, on the lorroic seale, the "Inestraction of dermalem lis Titus." For several years from 1847 onwaril he was oncoppied fainting the walls of the restilmbe of the new musemm at Fiorlin with a cercle illustrating the progreso of miviljation. Jhis seriev embrated six colosal componsi-timn-- The Tiswer of Pithel," the "tilorions Age of Greece, tha ' lhotrurtion of dernsam, the 'Battle of the Ifun-" the "('risales, and the " liefmation," with numems maller designs, Ilis, last gigantie painting is the 'Sea-light of Nalanis' in the Xaximiliantum at Munich. ln lis. later years le amo preed illu-trations to Gethe and Nakeepeare, and painted many jurtraits. He died of chapleat at Dumieh. Eth April lait. See Mrs Ilowitt-Watts



 le Dian, " Mozart s Lam lays, Catonsing Knights Templars, 'Selastian bailt am Frederick the Great. - A nephew, Frimitrich (bun laze), and a rramb-nephew, friedridy August (hom Naso), also became pinters of merit.
 Come of Riotherg. Anstian stateman, was bum
 public career umber 'Charli- VI. Naria Jheresa empleyed him on dijomatio mix-m, the the conts of home, Fhorence, and Turin, and then apponted him miniotor th the gremern of the Anstrian Netherlands. He latil the fommations of his !ermanent fame as a diphomation in lits at the com-

 verting the cemtary long enmity uif the two states into relatmo of amity and connwill. In 17.33
 17.56 Mandlar for the Setherlands ami Italy, and for ahmet forty bears contimued to have the prin-
 the part la playen in the allaira if Fomper Jow wa jochlarly valted the European mathedriwe. In a man hri was very vain anl antilunt of hiv own alilition, norrow in hi- pulitioal benw, weraling
 sincer atil apmakh according of his motioms of

 and libural patron of the ats and sompes: hes
 acaltmin- in Lombarly amel the Low 'mantrien. Ite retiond fom pultic life whon Framia 11 . ascomben the throme and died enth Jume bat.



 It is a tree of wrat siac and hathty, attamind a height of $1+0$ fort on mone with whats of hathelan
 timber is white, elose-grained, dmahbe, Hashbe.

 problace other spacies. All of then ato these of

 Anstralian Copal and Austablian Danmar, of which large guantitien are exputed from Sioh land. It is shmetimes fomm in pisere as large
 forests of these trees lave formorly soma: innl imow known tor lie minghol with anal tratit of Tertiary ase. It is alse collected from the trep from whith it has newly pombel, and i- thon of it whitish alome. I) grionthlis, is mative of the Buhacras, exades a similar reein, which is at time white like ervotal, and is e:alled white diammar, lint with age it assumes a vellow amber tint.
Kivil. See Alis.
Kavanagh. dretis, nowelist, was lum at
 the danditer of Jurgan kiwamagh, in arcomplished hrishman, author of sanioms hilohenical works, and she grew u] : will of amankathe beanty but of umsually small stature. dionat part if her vouth was spent in tomambs, her later life in laris, lionen, or Xice. where she died, Uctoher 28,1877 . Mer first work which attracted attention was Metelcime, a Tole of Alucergue ( 1 sts ) ; of its numemis -nceessurs the hest were Suthulir (1s.00), Dhisy Pimens (1853),
 Siltait (150), Iohn Borrion (1sin), and The Pew Fonntuin ( 1576 ). The sepmes of thmms all her atories are laid in lier admpted comitry, and hor studies of French life amb character pomess is reality and truth unhappily lint seddom found in the llannt novels of foreign writers who have light heatedye enatyed theo themes. Der folots mowe quietly but naturally forwad th the dimonment. and shiffully preare the interest, if they do mot feed the excitement, of the reader. known heoks are 1 summer ant Jfoution in the

 during the Bighternth (intury (1s50), and $1 t^{\circ}$ omm of Christionity (1850)-a whk which reverals heanti fully the sympathetie and relichins mature of its authoress, herself a devont Catholi-.

Kaveri (Cimfory), a river of mothom lmin, rises in the Weetem Ghíts, and hows somth anst, acroms Mlyone and Mantras, to the Bay of Fing:al, Which it moter ihruagh twa purnipat month


 tim, its beal leing rachy. With monerom- rap ids and



 of importane for inination in $\mathrm{M}_{\text {same }}$ and in Combature diatriat, late conetatly in the mamet lously fertila delta. Fint this pirgwe the matin


Kalwi, al lagnige of hata (9.6.).



 miniatures amb anetches of loeal cedehition ectered
 ginamite have bat litthe artiatic merit bevond a

 the seribe forma a umigne and invalualde peoted of







Hayak. Lee ÉNKlyn.
Kalye. Sili dunt Wrisham, the historian of

 survel for some years in the bomal Artillery, lmit retimen in lyid to devote himself to literas ture. In lsist lie artered the service of the Liat Imbial (ommpany in England, and, on the transfor of the guvermment of lumia to the erown,
 *ruetary in the loolitical and siecrot Department uf the [antian olliees, : post whiclt he retained mutil fatimg health oblimed him to retire in 1584 . 'lhroe vants hefore he ban heen kinghted, aml two years later lue dim, Jnly e4, lsib. Kaye's work art The IISistory of the IVer in sfighemistan (4 vols. 18.5-53) : Misfory of the Illmimistration of the East Imlier E'mmpeny (1853): The Life "uml C'orresponel-
 Imble (1sin) : Mistort of the Sryeng IV in in Indine in $785^{2}-5 S$ (2 vols. $1866-71$ ); and Lssuctys of on Optimist (1570). Llis aconnat of the muting struagle han wen rive to much embittered controvisy, bint deopite its fanlo is a moble momment of lisworieal indnatry and insight. A reviond alition of the
 of the Inelian Jntinv, torether fominn a conneeted hiatory, wat completed in 6 vols. in 1 spor

Kates, on K゙HAYEs, a town of the firench Somban, on the river Sommat, is the termimus of the railway leting constructed from st Lonis in 1590. L'oj. biloo.
 revtos, lol. I'. ן. 2]l.

Eikan. capital of thr linsian gosermment of
 Aom of the (iohlen llorte, stames 3 miles from tho novth bank uf the Yolgia, and 200 milen E. We K.
 fommen in the milllar of the listla century on the rain of the still mone anoment landarian empine
 rity of kiazan wan luilt 2 צ milos SW, wf the former rity In lose the Rasians, umder lwan the 'Torrible, catried the town aftor a bowly seore, and

 ( ( Virgin, a manilicent mumatery (lona), an arsenal, de. Tha homatione in eromeral ons storienl, aml staml in the milot of eardens. The town has ne arly
 Fower atn object of veneration to the Tratars.

 sity. fommion lọ llexamler l. in livat, las font facoltion and neirly loth stmbents: the institutions



 leatlow. soty (matia from mares milk), cimolles,
 fictures, $\mathbb{N}$ yamb in which l'eter the direat built his (:z-pian

Sea Ileet. The Tartar membants of Kizatn trade as far an lonkharm and lersia on tha ome side and (1) A-ia Minos' on the other. 'The eentral parts of the town are owongied by linanions the 'latars lwell for the most part in the shlmens. Pop,

 ( 1774 ), amd has smbered severely from the same canse more than in dozen dimes. popecially in 1815 anil 1sen.- The swommant, lying weat of that of Nijai Nusqorod, is traverad hov the navigable Solgat and Kama, with theig thimtarios. 'Iles "hhack earth sail pronluces ryo amd mat-, with other erops, agriculture limine the main ocenpation of the
 is nmier forest. Pop. (18:1) 1,739,909; (1ss7) $2,11: 3,9.74$; (18:.5) $2,234,957$.

Kazbek, or Casbeck. Sero ('scessis.
Hazvin, a town of l'emia, th miles NW. of Telocran, win the roal to liesht, minnfuctures homende, velvet, cottom, and imm-ware, amblimerls ramels and harses. Kawin las ubtained a new commereial importance thrmath the ofrning of the Transeancasian Railway: ther rome connecting lemia with Emron' gres hy Kamin to liesht and batin. amd to fateilitate this commmonation a whassif has heen constrmeted from 'reheran to


Keal is tho native (New \%ealamb) mame for a wemts of parots, of which omly thee suecies are known: these are Vrstor motwhilis, NV. monidiomalis, aml N. pumbutues, which last aljeats to have just

 regetable and inseret farding hird, bat on the introduction of wep it hegan 10 fremuent the stations and to feed on oflal : latur on the parmen acynired the more ohjertionable habit of aleatroxing live sheep. A momber of hiads hand themselses together and lame out a weakly membor of a dock, gemerally at night. 'lhe sheep' is warbied to death hy 'the combined etliorts of the parots, which thon proceed to devom the kilmes fat. 'lhis is one of the most remarkahle instanees kmon of a rapid ehange of harlhit.

 1785. Dis patemage alon is dombthat, for, though it is tolerahly vertain that Namo. ('arey, dangher of a more savile Cizer, wan his mother, it in quite uncertain who lis father was. Kıran in atill thave derlared himaslf to be an illowitismate som of the Whke of Norfolk, but emmom tralition asxigno tor him as parent either a tailou mamed . bam Ke:m
 heing an athess. Kean from his infany male oceasional ajperaraces ubon the stan", :mil whon about sixteren vears olal hecame at manar 'strobler,' plaving in lichambons show amb wher tomples of


 where la mate lis fomones firot "pramance as



 ines. A perionl of womberial suroces followed: lut





 although has mesme to hato lwanat loan as moth
 lat morality litarally drover him off the stane, Eilin.
 demanciation of the unformate actor. Keant tarn pail a longe visit to Ameriba, where le hat what at presjoms visit hean ingy permatr. Ile rumamod in America till the rad in $1 \mathbf{s} \mathbf{d}$. ant on hi- return bome was cordially rextived: hat hath mind amd
 the mere wreck of hi- fomer self. At last, an erth

 neser aeted again. He divl at liahmomb on listh
 frere can lre for flutestinn. He was a master of fatsionater exprosion, and exampel in characters where the enotions are kept it highest tematom. In level pazsates lat was alomhtoly lianl, and lad no power to represent calm lisuity: bat in the mental agons of (othello, the wilif passion of shyluck, or the crnioth devilry of litelard he was
 pranlemr of his plavins con he given than is contained in Coleridge miling, that 'seemg Kean ant was reading Ghakespare ly thashes of liohtnims. Kean": Difo las lne*n writen by Barry Com watl (1s30), F. W゙. Hawhins (186!i), ami J. F. Mohloy (2 vols. lvis).
cirituex JoHD. an of the foresoing was born at Wateramb, JSth Janmary 1sll. He was elneated
 his father"s extravagumes and diwipations remdepad it nece-ary that lie shmald leave schowl and ibn - omething to support his mother :mbl himself. He aurordingly bechme an actor, in site of the litter "porsition of his fathor, who swore that he hime selt woulf lue the tirst and last tragedian of his name. Charla Keran mallah hirst alpuarance, at Ibrury late, on Int Wetohor lsed, in the charater of Yimm. Korval, and was rempised by the erities with ablume unimaral mombomation. liat has worked asidnanaly in the grovinoes, and studied haral, butil in time lue attadiuel at fab proition in hiv professinn hio ethort lutine ermatly aimled by the gemins of Ellen Yous, whon in lutz homatried. In hat Kean beoante juint lowee will kerley of the l'rincear's 'Wheatro in (lxford street. Lomblan,
 vivals' which were the mont anspienoms feature of
 more studied than actins. In lasy herethed from manumenent, and virthally from the dumbon stage, though be polayed in Amprica and the fowinces on within a few montls uf his dotulh. Hi- last apluta-

 died 2lat dumbet 1s40. As a irary atom Kean wia not in the first or wen the seromil rank, but he wata alminable in melontramit, and lav attinis in

 W". Cole ( 2 vols. ] sion).






 way. Her sympathetic insirht into tho larits of





 shires, Lomblon, larightont, and Eiallomrne. Wintroiner







 Histor! :and The fietiones Arommet. Ih'r list mosel wats Theromht the shereberos, and thiv was followed
 ( iestle Dely was hatided as an hrish mowel of ummanal -xerllenee-while witing it she pain the ishand the ous brief visit of her life. Her latan work, and bulapis her rreatest, was A Imubting $I_{\text {erort. See }}$ the Demoir ly her sister (Inxo).
 ot to sive and rarlient toset in that hrillant enn-
 tirst half of the Jineteenth eentary. Juhn krats, buth in himetif amd in his work, is ome of the most profmady interestime and attrative digures in literature. In ehararter, trur, mannanimoms, mondest, and temler: mach tried amd ravely failing: thromernot traninm himself salulans for the highest arhierement in pertry-his lifea as man and :a artist, was one of fersintent ermeth whamd and upward. It is to tran* this anvelopmont, mmbar looth asperts, that the fallowiner natrowly limited keteh will be mainly devoted.

Jnhan Keats was ham in Finshory, Lombm, mon
 sclami at Enfiell. Where an eliler losy, Cowiten ('larke, turneal his hovish energies at thirteen tomarals literatnre. J'moforwand Keats read much and whlely. Gareek, lik, shakeymare, he never learmed, but edererly shatied mamals of Classical mythology : in Latin le beran and (after leaving school) finished a prose seranon of the Armith: amb we cannot ambt that him passion jor melnor, feli ity of plarase, tembemems athl beanty in stle, was developed or inspined by Veral's

 lil7. funtiod diligently in Sombon, and, (for his acre.), with succers. Shit fowtry hal now heconne pitromomit: and his high seme of duty withlrew hime from a profesom demanding inperionsly a man* entire devation.
[by IN16-15 Keat had fommd many friends amd associates ; motally leirrl Humt. Haydon. Hazlitt : -mon of early pronnise, amb (llmit amd Hazlitt at leant) of real ability, thomah mally marred or blighted hy hal tante vanity, amd weak latos. Il is bouth naturally led Keats at list to acoent their arlfestimate and latnce oserrate their worth athal




 Shelleys. Their mame have hern mandel thommin
 -phombur of that erratt Elege dioplay nu truth in




 of Keats, now and later, was impromibhe Others
 were more to kioats: bat alore all hiv intemat
 in whith las resemblar (atullast, plateol his two hrothore and winter ly far highot in balus.
 lia lirat perrmape hio most intliential luse

 version, Chaucer, Makroperite, Diltan, IV arols-
worth, - 'the best surt of pretry' at he said, color che semm, hecame his bomornimis. Jed, exeept in early years, he imitatel mone: literature has mo puei nore decinively ariginal.

Thas far Entied and Hamptead (then mo. :luiled) were the bambeapee the free matare, whence visions of beanty hat been created lig the young pert's obsematitye, erar on the object, and his vivil imaghation. lint havige (Mareh,
 'pastures new at (ariblomke, in the istam now for near forty satm a loma of the me momern pet in whone genins we may trace a certain conrenital likmes of his own. Here heats wored at Euthmion: lont solitute was fever to that trmpaliy leveloping matme: financial inxiety alob, (an bady was his slember fortune hambled ly a muarian), which nover wholly left him, thew the firt elomi of dejertion wer his sensitive spint: and he retmmed to Himustead and his friends. Eminemt anong these was now Baley, then stmering at oxfort, where leats visited him thomg Lomg Vacation, rontimang Emlymion upon the lsis. Thi- may have been the smmient moment of lis life. Batey wan apramatly the friend who called mut what wan hent aml leepest in Keat-: It is he also who has left he the mont chammer wheteh of his emweration: (cobrin, p, 76).
ha 1818 Keat frepmently saw Lamb and Womworth, whase 1uretry, (the Excursion expecially, anmmat that of his contempraries, mont deeny atlected lim. Tou mose his much-loved brother Tom, rapidly failing under consumption, he mow moved to Teighmonth: Endmmion was finisheid; Is solvella, for his third volume, begme.

Thene were the last wowl lays illhoted to keats. His darater and his aims as loet were now firmed: buth have been much misinterpisted: let us here attempt to smmatrize them. Manlinesos, magnamimity, medfinhess, force of human atfertion, chivalry to woman, -are the tominat moter of his nathre: llatred of wrong and meander, insight and gemeraity in aet and jubment : and all grided ly eminent goom sense? lersonally fond:-ats to his ahbitios aud work, abonet pathetically hmmberminded. Keats was no senmatiot, as bats been ermbensly reportel; no vagur jleatist: for the first tow mellinh, too elem lowaled for the latter : and trom promsty, instability, and molf-conceit simsularly free.

A manis art is inevitally eonditioned by has nature. Firm that of kato, monstive yet stomat, moment yet appring, when we add a frenhens anit fulluess of gerius which reeallh ('haneer and shah.. speare, we might justly antiojpate that he womble
 main heath, the interpetation of natme and of hamanity,-lothatwass sulomalinate wheaty in somm, woms, aml form. Ami wr limb that it was in such wise that Keat-, lihu Sombulde and limbar, Fergil and Dilom, comecomsly or wos, lemation peetry. He was an atist in the rament amb tomes some; this make him no neteworthy: it i- this, mot




 shle from the lirat lin felt was hat the prednde 10


 tirt buok he is hothind to ghit the bere jors of junty
a many channored hone, be moten how he has fansel from Manden-thonght, - the hawer oi youth,
 ness: "We feel the Burden of the $1 / y$ stery, . Henere, though he dares mot yet 'philoophlina', hee dimds that the only worthy fursuit is the - ideat ut shang some aom to the word:" that he "an have no enjoyment . . . . but eonthmal lrimking of kuowledge:' he rejogees that har has hept his old medicat books. This feeling grablailly manters him: 'Sermery is fine, hut hman moture is finer:' his longing is, not for vain praine, but for' 'the ghory of making, by any means, a country happier.' That these wre not mere words, the details of his life prove: whilat mone realization of his hapes in fuetry is given ly the whme of 1 NoO. Ambif, by twenty-font, he was only hegiming to hamble the higher lmman interests; yet may we mot truly say that his eountry hat hern male lastingly happier by what keats did thns leave ns:
Returning to the story: llenceforth, in quick sermence, the shatows deepen. (ieorge heats departed far America: John to the hakes amb Wentem sontand, whe what was to prove enumuptim, leveloped by onerfatime, elamed him. Them, (Dee. Ists) eame the death of his brother
 brame. They heame engared; lat it was tow late:-Poverty, lombly deeline and ahowe all his own intensely loving heart, momilly anxions, gradmathy ehanged what should have heen suphert and combint to asony. lin keats strnghed havels. A- if puritien hat the trial, his genino now rapidy lure its rivent froit: alnonst all that lis thim whme contain-the 'treamme for ever' he hequeathed un-were whitten hetween llamptead, Ghanklin, and Winchester lofore Autmon, 1819. Even get he hoped to live ley literature: hat, returning to lampstead, healdh of mind and body hegan mmantabably to fat: the fatal sign of hume Heeding apmarel in Fromary 1820. Evept the ne awansong of the lant sommet, henceforth it is in letters min-letters which thromphomt his life often rival hio portry it self in lowelinese and surpass it in lepth of thoinght-hat the sorels-charged heart fimds expresion.
las kiptember keats saited for lat? : the sad and homomalle eare of moming him aben liy a yourg artist and friend, sivem. From Najmes they nused to limme. Thare even the faint delnsive
 It is a relief th the glomin that the gemerons wommond spinit now fouml metot reward from Sevond devothans. Neming lath, the varue 'sentimental optimion' which fomand Homt's subvtitute, and perhaps his, for religinus fath, proved monailiner: lieats contrasting now the behavione of the lndiever Seven with his own, ah mowledgerd anow the fower of the C'loritan teabling and "xamble, and hiding semem real to him from
 fato the remander of hio days in a tompre of mere

for, thonarh the londils suthering and agony of
 - He laty quict, with his hamd clanped an a white comblian, me of the little twkens" his l'muy "had given him at startim.' 'lime, 'lonable and ennsilmate tu the list,-bumbly, after his wont, not (an misinterpetal) hitterly, lue spoke of his asn work and hatue an 'writ in wator:' matil with at 'Thank dod, it has romu',' hin sonl resigned itwolf 10 Him in grate: ( $2 ; 3$ Feh, $1 \times 21$ )

Keste hom whthen the Amotian Wiall of lome on its suthem side. where the fatheful Seven was



 that－ty of art which hic fow tear－alhomod him
 and irenmal aims in pretry has leen tracel ：the parallel atrance in his wrinus will be now brietly noticed．

The parliest polmme（1817）is frankly expma． montal．Spen－er aprat＋atly manaled the sprimes of boetry for keatu：yet his thom imitative pieces． althomationserian in musjoal flow and wealth nf
 a few shot lyrios）by the stutimental thate of the latur Eimhteently montury，and hy viphod manner
 nature ofows thronerh the techainal inexperime of the whe to Woman：Sum tromaic lines prelnde to his later succese in hat bare amb ditheblt metre．
 on C＇hamanars Homer allone in the volnme show Itis timal matary．Doot interosing howerar arm five pomen in the fren fosely horoid metre of Chathery and the Elizahthan imamatiata．Here． dashed with yonthtal extravanome had taste．amd eonturet metaphom．we tind that fa－cinating felicity，that＂Jerturtion of lowelimese in the interpetation of 大atme－（fet Satmer externally viewol，without referme to her inner or lmman
 i－mot bes than thationmatian．Debient in beanty for ite own ake only is the lealiner nute：yot


 thut be semper moild fill－thinis that lift the thoughts of mon：and anknombing with cambor thent these spiritual deptlan amblats of the art ：ar．as ret bey゙onll lim．


 it）．in itw main featmon oif ylo varion on the






 harilly traceable：a sache allownty may molderle

 wanting．
＇l＇un year maly wornte Findymion from the














 downrus a like lurmone．









（＇olvin（lasi）；the letters．．．lited by Mr（olvin（1s．1）； and the Porms，ulited hy Jrury（1s！ed）．
Eeble．IOHN，son of the Las．Johan kedle of
 a haly of seoth deconet．was lome at liaiforid， near his fathers livmes，on duril ： fathor，a divise of the sobom of kion，edneated has －nn at homos．and with such sucores thatt at the

 ther a matl colles．hat manbeling amome it scholar many who rose to cominmoe in afterelife．
 limbly．Ilis univeraty camer wat momally

 Fethow of Orjel Cobloge：and in lst：gained looth the Latin amd Enylioh prize exas．In lshis he： was ordained deamon，and priest in thr followiw： sear，begiming actise work as the enarate of Eant Le：all，ntar hiv fathore living，while still con－ timbine to readm in vaform taking pupils amb
 poblemp fint hiv herart was manly in parish wom， and his mother＂s death was the ocra－ion which mate him leate oxfond and return to asust his father．There in the eonntry he dide a worle for Hxford and the chureln whel was of the mont vital infurtance．Three puints meed specially to be －imbled ont in this work．（1）linst in time comes
 with mond diflidence，amd maly in deforemor to the wishes of hiv frionds．Thi＇lomistom Verr，or
 theronghout the lievi：The indurence of this volume was not wery oreat at first．lat it exombence was reangioed jug true erition and later om，whon the Trateraith busfoment had made it writer well

 orerated．fior，thongh some of the from－ate rathar obseme and somewhat montrained mul artilimal，as thmern witten tormplato the stries，
 in－juration in them：the have of home lifur atol of





that it is the whime der ther armeion of the fants deremet feelings．antrollarl lys at atain



 alad latin funto in hi－Lation lertmon dodisame as
 holal iremulaibl till inal．




















## KEEWATIN

the ehureh, emphavinge its essentially yiritnal eharacter. laying stres on the rablity of the apmetolical menowion, of the prembatives of tha
 and insisting on al hinh wivitual ideal of life. In
 the signal for artive linsement, ant for the next few valrs wat lmals aramed with Newman. loney, 1. Willians, T. Kelle, and aloprs in the issne of the Truets for the Times, until the series was hought to an end les the puhlication of tract So. ! 10 in latl. Memwhile koble had in 18.35
 old fiend of hiv father, and had remowel to the living of llarder, where bee remamed until his leatif.
(3) Keble had not only bern one of the oricinator: of the momment: lae was also, with lr linese, the stemlying inflame which smported it ander tha shook cancel ly Xewman's meession to Rome. For the last twenty sears of his life he was the truted correpmindent and confessor of many who wre in intellectual and phitual ansioty. lif. wis the comstant champinon of the chamelat each eritical moment, taliner a prominent part lis his
 matriape and divore, with the matne of 'larists: prespan in the emeharint, and with the indement race of the chureh trinumals. He also contrihateal much to the cance of thealogical kongledige ly his caretul edition of Hooker's work, his lifeat Bihhog Wilson, and his translation of St Irenems. Pemapeven more than in any of his writhge he hatintheneed the ehurch ly his character. The type of datimine-s, whether toprarents or to his ehmed, full of affection for lome life and of reverence fon chil. dren, groemos to his friends, chivalons and almont Quixhtie in hif leare to sacritice himself for the eance of the puth. inlimant agabst ingostice or dilowalty, with an indigntion tempred by severw self ristrant, abl ever strivig after it deen hamility, he ereated an impresim of samtliness, and won for himself at rate mixture of have and
 1stij. Besides the warls mentioned, he fimbishad thee Lyme Imomentiom. Thoughts in Terse on

 his death have leet pulithen a mo-t valuable volume of Letters of čpuitiml (bomesh, twelve
 reviews. stuthe sum, \&e. A permanot mema.
 ly subserigtion aftar his dath, and inemprated on dune 6 , 15 so. This wat fommed on the lines of the rejurt of a mommittore, in which he himaself had heren much interesed, for exteming the miversity ly the lailding of a new collenge ome more

 coltane for members of the Chum of Englathl.
 Sharp, Esacy (1Niti), and his Notulics on Potery and




Kreskemme a llangarian town on a pain -it



 John, wii. 1, , wow winh, margin) ras ine of
 (g.v.) on the at- manme away in the blimetime of the Weat sime Witur bever flow- in it, -ate during the homs ratho of winter. At whet thats it is a dory motly.

Krellanling, a pmanment in nse in the nary durines the 17ha :and lsth centuries. The culprit was snspemben from one sard arm, than sudenly droppoll into the water, ind hanlen lyeneath the liefl ape to the samarn on the other side. This
 Gn small fore-and-aft vesorls the dedimpurnt was lot down ore the lows. and was dawn ath underneath and aloner the keelom ly a hatine line, and
 Ing Fiond. kielhanlar wan jractived on an

Kecling (or kukos kemana) Isiands, a mroup of more than a doren coral atolls in the Tulian Ocean, 12 S. lat. and abont $\overline{\mathrm{E}}(0) \mathrm{mil} \times \mathrm{s}$ SW. of Jona, are attiched to the straits settoments, are powered with cocon-mat palms, whenw. ail is watracten, and are inhahited by abont 400 Malays. lut ownoll hy a Scoteluman named lions. Pises and rate are the muly mammals ; there are no lamble birds lint jobltry; criln, large and small, almand. Tlose intand were dionveral ly Gatain kerling in li69 and were viated hy larwia in 1836 ; it was upon his study of them that he hased his subsidence thenry of the formation of coral-reefs (see consit). Guph in 1sce fomb here emfinmation of Murray's vjew. Sue comal.
Kecone a prety town of New llamphime the eapital of Che hime eomaty, on the Aharlot liver,

 in lapalk and white, hum of $I_{1}$ wowich amentry at
 water and $\mathrm{I}_{\mathrm{p}}$ wich, anl. havine tried louth law and architerate, wan at himetern apmonticeat to a wom-encraver. He workid for fonely from alont 14.i to within five montho of his death at llammer smith, on thl bamary 1 sol. See lift ha (: S
 lemell amd threson (1597).
Kered. See cintif.
 one of the great afine of state, prationlly momen
 art was passeal at the instaner of Sir Xiehula biam, bord lieeper, itraming an antiming to the



 :and fon keeprs. The lat had hemer, apminted in $12 . a$, wa- Lem Henler.
Kecwallin is litute hore than a gegmpham axpession for a bate of the cometry laingotion of the proninge of Manituha. Its extent has been comideralify curtailed of lato years be the delimitation of the western and nerthera lomadiates of Whtario and the eatern lenmelars of Manitoba,

 from its notherat comer to the wotems shate of Lake Wiminuer The wetern lomatary is :hbur the west share of the labo to near Norway llomer, Whene it exes in a matherly hiretion to the sinth degree of latituld, at the point where it intresets the Sehon liwer, anid then phase wot to the both dapree of himitude, which it foblews moth to the limit of Candian teritomy. On the cast the fumblary is a contimation of the eatorn homblary of hanitula matil it reachers lludsen Baty, where it follow- 1 herenat line to the nothern limits of the bomimion. Kiswatin is hat litale komw. It is mominatly admintitered lye the


 laty 'ompany, and one on twother pots lefonging
to that corlmation，we the only settlements in the di－tries．The prineipal attraction is the watue，lareve atm－math，with which it ahmomb．
 tu evist，hint they lizve not heren heveloperi．The anantry is well watered ami timbereal in mams plates．but is mot witable for entivation ob atity extmot．It embrabo the northem piat of Lake Wimaiper，with it－important tisheries，amb include the mumth of the saskitelhewan River，
 for motaly lom miles．Thes Velson Viver pases thanmathe frowince as woll as the charehill and mamerons smatle－tream－athd the Chester－

 propertal llak－im liay lablway is plamed to pa－

 of the capital．perebed bu the shle of a steep hill， was noted in Carthamian timu for its temple to Astarte．There esin a minem temple，themare，
 excluxive of a small Frenchanminm．A pueture ut
 Newnams Collistor．

## Helal．Spes－［lis－1：1 l：1，

 manntacturing twon in the Weat Pitling of Fork－ shire，on the dire ：umil the momban scenery of


 sil，the thake trable sehom（1713：relmilt 1 s60）， extensite water－worlo（ 15.6 ），ame two public park－
 Uevonshire an！Mr ．1．Limul．The mamfaetures of worste！and woullob forols．worntel－opinning machintery，and sewing aml wahing hatulathes are


 Inst and Prescut にが）。

Keightleg．Thunis，a hasy writer，was bom in bublin in（boboher 17an，and wate elucated at Trinity（＇olloge thers．In lade her rutted in Ener－ land in a life of letters，whind le pursued assidn－ ouny till his leath．Nowember t，lsio．llia histories of Rame，direece，and Englamd hell their

 Horiter．But his fairy Wyhluhty（1450）largely




## Kéi Iviatuls．ぶゃ Kとう。














 for the liver rif chri－t．The prelimimary stmbers，







 the hishest drorete revernt amblatimal int tome，





 －ncessinl pupular abrimpment uf his great work．

Ké River，（ileitt，a river of somth thica， whieh in lsts was mate the hommary hetwentr cipe（obomy and Katlraria．Transkei is a manio－ tracy of kiatraria，emmprisiner Fingolamb，flas
 hetween the direat kei liver amd the western hommlary of l＇ombland．＇The manistracy fomms， admini－tratively，atependeney of＇ame＇（＇olony．


Keith，Atombisl Larn，tienge keith Filphin－ stome，Viacomot Keith，was the son of the tenth
 medr the tenth Earl Marionhal keith．Lhon at

 the worla，amb distinguivled himseli in mumemom encregements in the Ameriman watr and the Fromeh
 whiol tomb rape Town．and was manle liamm Keith：and hatime hal the eommant of the lleet which lamed Abererombers ame in thonhio bivo （1sol）he was in lstitmadre viscoment．Ifedied loth March 1523．There is a Life by Nllartyee（ISロ2）．
 was horm at the ca－the of laverugit，mear Ietere
 sentel now hy the Eave ni Kintome，whold from the 12th comons has hedt the hereditary ultor of diteat

 the tenth in derent from the fommorio of the line，
 fifth earl，lis sixth descembant，in land combleal

 Laty Maria Ibmmanom，a（：atwlic amb smong Sacohite，daushter of the fourth lial wi feoth， and hy her was the father of llar－hal kioith ame of hi ehler brother，（ienree，tenth liarl Maniselal （16！3－175s）．James was hostath fur the law，amd
 1515 he engraed with his lonther in the dacolite
 Weat Ilighlands，which embal in the＂hattle＂of





 Haishel himald in the wan with Tombey amp
















more complicums mon the bimang ont of the Seven Yoar: War (1-0.0). He shamel lredarick: Ionluful fortmes liefore Pravip, was present at the vietorice of lohositz and liowhach, amb mon--heted the masterly retral from ohmity. His la*t hattlo was mot far listant. On lth Wetoler
 the frossian ribht ming, was shat dead while for the thim the charsing the andme. The Austrians
 whene feelderk next rear tramatel his remain(1) the farricom chmoli at herlin. There tom, in the Wilhomblath. Fremprick in $1-$ sha erected a - tathe of the mam lat, a repliea of which in lronze wa-gifted ly king Willian to loterheal in lise
 hy his miders, the Sworling eaptive, Eva Merthens. wholmived him till 1811 .
sce his fragmentary but valuable Momoir, lis-3 ( Aprahing Club, 1.54:5): the Memoir of Mershal hrith. with "Sheth of the he ith Fumil!" (fecterhead, 1sib!!): (arlyles Foterich: and the (reman liwes of lieith, hy Varnhanen von Ense (1s4t: new ed. 1NSis) and Lient. bon J'aczynki Tencayn (1xis).

Keith-Falcontry. See Fadeoser.


 (Nis). He made important reveroles in the
 a famons handhonk of organic ehemistry (IN6i-1i7).

Kelaít (alos inelt Khelat and kalat), the capital of hinhmistan, stambe at an elewam of mom

 om the smmit of a hill. Kelat is a place of great military inpurtames. It was necmpiod ly Englamel
 with the ham, by which a briti=h igent, with

 sommment, hiv som luing proclaimod ham in hi-
 furters of Afohanistan, i. milon Xe of kimbahar.

Kelati Nadiri. whe of the stronget natmal fortroses in the world. in the provan morine of Kibuasean, aml clase to the linaian fromtier of 'Thamorapial. It was rainet ly Natio shah as a

 Eman external :ommanimation ly lofy hill- with
 schomm mon Khomana, Kolati Nadiri has recently gamed monsiderable impontane.
Kellaways Rock. the man" aiven to highly
 Which a mar hear the lame of the chame elay. See



















of his works apreared in sco-90. He died both July 1s!o. See Life be brahm (tses).

Kellermamm, FRasions curdstople. Duke ni Vamy, lom esth May 173 , at Wolfohenweiler, in Alawe puteral a Fronch regiment of husams at surmern, amd hall riwn to the rank
 but. In 17 ate he recived the commant of the Army of the centre on the lloselle, repelled the Doke of bmaswick, and by his daring promptitude delivered France hy the fanms cannonale of Yalmy. Yet on allicgation of treason aganst the remblie, he was impiomed for a year, amb only liberated on lionespiners fall. Ite afterwards rendered impntant servine in Italy, and on the erection of the Empire he wa mader a marchal and a thke. In the rambagne of lso9 and 1ste he commanded the reserves on the filine. It the lisetoration lie attached limed to the limurbms. 1le was moderate and eomstitntional in his views. Ins died beth september 1s? It was his som (17:0-1s35) whuse charge twrned Dlarengo (a.v.) into a victury.

Kells (wisinally Fontix), an ancient town of Combty Jeath, lameter, lrand, situated on the Blackwater, 26 miles by rail 11 . of 1 monela. It has seremal interesting antiquitio, indmong st Cinhmias homse, a mond tower, and three or four -tome erosses. Kells was mate the rentre of a lixhaprs see in sho this was mital to the see of Neath in the listh centmry. l'revinus for the thion Kefle returned two mombers to parlianent. bop.

 loltio amamentation, and is larliow to be the work of the sth century. it is mow perved in the finary of Trinity colloge, Iblan. Se Lllu-


Keld (Fr. ramh) is the (muln allaline matter prolureal bye combman of -atherth, wif which


 These are driod in the smo, aml then lmmed in Nhallow exavations at a bow lacat. Alont 20 or

 suay or hom mane-, whinh haw an arribl, cathetic Tistie, and are compused of chlonite of entimm, of

 whlinu, inomble salds, amb cohming matter. It
 (athmate): hmt, an thix salt (ant now he obtained at a lower prime and of a lattor quality from the decmapmestimu sea-sadt, it is preprate in far less




 af naphtha, and fom 11114 awt. of shiphate of ammomia.
 salt amb on spani-h hanilit, the kel\} mannfarture
 a wer latre aront in flat moth and west of toptaml, amd the valus of mamy water in the



 land atone. Xens the (orat ammal praber in the I"nitel Kingrom will harlls exped 7 (\%) tons, at



 SETWEEDM．

## Krlpie，see Demuxomoris．

Kelsey Beds，a sublitimo of the lobixampo acolnmations，emsisting clichly of gravel，chatued with marine shofls ame remains of mammoth，
 Howh，and other flaces in the neighturhome of 11111．The gravel rests unon and is eoverol hy lumber clay，and was probolly depositeal in th． s：a，near the mouth of a river．

Kelso．a pleazant maket town of lioxhmah． shime mile log mil Wid．of bowick－an Twem
 on the noth lank of the Tweal．here jomed low ther Tevint and spaned in liennies noble five
 I．translited to＇ralelinn＇a Tironemsian abhey， fomblod ly him at solkiars sen rears hefore．
 linta，is mow regresented ly the stately min of its
 in tyle．with a masion central tower ol feet high．＂Arrose the river，on the peninsula fomed la the Tumb，stomb the royal matle and town of foxhargh，domolished in $i+100$ ：and 1 mile $W$ ：is． Flows C＇actle（1514－1449），the seat of the lonke of


 memories of the 15 ，sontt the Ballantyons，and




## Kell．大他Sllyox．

Kelts．Seqelts．
Relvin．Luth Gno Thmases（Whatay）．
 wan the eth of charle－kemble，the acter，athl wan lutin in Lamelon in twot．He had hiv reluration partly moler lor liehandem，anthon of the finglish
 nammarmohom，wheme＂in sed he pawed to
 S．an White an mulergalmate he pent some time at liattingon，mater the lamhan dirimat．who eem to have linally deteminol his athat hom toward－ Tantmaic sturlies．The time froit of thane wa－：an
 sumber colition of which ho alded at ramiatiom，




 now impmertant wow，which enmain－the chiof





 alar hath the otlice of limeneer of llats．
 Kemblis，at well known cmantry matamer，wan lam
 Hi－father intember him for the laman＇athorlo．










 chance of a Lomlon apparanes，and on ath spotember に－s he played llamet at brary Lame
 ing，and，thamerh his antiner wa－hoi then what it aftervarl became．it armsed the hemet intern4． lle contimed（1）play learline tragic chavaters at
 herenes of sheridan fored hime to have the theathe．
 his contrel of the theatre was mobabo for the eare and completenco with which shahoprate and the legitimat＂drama were produrad．When otriven
 （one－sixth in corent diarlan thatere，for which
 thmater，and mate his first alparame there on



 Riots hoke nut．in which the kemble family were



 frimol，Sir Waltarsont．Hi＊Jombun fawell was
 lames．Iforaftervatio enthed dewn at Lasanme，


 he was＇the mobleot himan of them all＇am his
 impermattinus．Il，was a masaitientaty land－ some man；statels．if rather stith，in herimo ：a thomushly intellisent and educated suaker．thonsh
 and．alwo all，a man of rumarhalile intellestual powar．Ito wax alon emplationty a whememan．－ SEPDES，bather of the formone wa－lom in



 the Elimbureh thratre，where for wat in comimal hot water thongh lawaita and wher tramber．








 12th Xowntary Mat．I－an anem kimble whelly


















 ：

## KEN



 K゚rmblé (" wals. 15il).




 Franoe, pervwhome atoling in towne where he
 but his intention of making a tome of Ename was


 dramine of seotioh eathemals for a projected



 mont at bilintmorla wis acerpeted. It is un this Wonk alone that kempas fame resto, for before the fompletion of his fatiryke stmeture the arehiteret
 of 6th March 1 , 44 . See Life ly T . Bomar (1sied).

Kemporn, a town of lithenixl lumeiz, 7 miles NW. of krefelh. It mamfartaremsilk gonds, wax




Kempis. 'l'Hovas i, was meallen from Krom10n, where he was bome in 137!. His fanily
 "Litthabimmer"). H1, wan edneated at Leventer. and in 1 to 6 entered the - Inernstinian emment of
 was prior. Here he took the sows in lfots. He entemed into prientis urders in $1+18$, and wat chomen
 in lats. llis whale life appean to hime herall spent in the rechasion of thix roment, where be

 hi- minetieth, atml momt probathy his nimedy-meormal

 tempuriarios. hat hiv historial montation rests almont antively on his writiags. Whilh romsint ut





 - in enthered and romenthed all ihat is elewatinge,


 : an i-
















 Bamand: bat fomm hat timb inmother dabmant lats
leren pint iomwan, diersen, the so-eallet ablent of Vabedli, whose beryexistrace has mot been satisface. moily powerl. Ilis elaim wats strongly argued by (:ajetan and mans lienerliotine writery atml later
 di l'Imit., as3ul and lieman, but the argmonts

 remain manswered. These three comperitors have disinted the voices of the lemmerd, mot alone julividuals, lut pmblir lustios, minersition, roplerions ordors, the Comberation of the lndex, the proliament of Paris, and eren the prenels Acalemy: ind the asmetoms of their reselective "dime have caried into the entrosemse no -bmall amonnt of promiabal atrimony. lliltom, an bonerlivh momk, has also een propmed as anthor: bint the learned have now generally come to com"ande the homonr to Kempins. The theology of the /mitution in almont purely ascetical, and (oxemet. inge the thlo book, which rerarel- the enchatiot, and is based on the duetrine of the real pressuce the work has been used indiserimimately be ('lnistiansof all denominatioms. The most ancient perfert MS. written bev Thomas's own hatnd, is in the lanarome
 we know that this was not the protograpl MS.
 therefors date the completion of the work betwarn $1+1.5$ and l424. An exate fac-simile was pululi-hed at lomion in 3 sig , with an introuluction hy charles latelens. In carl llirsche of llambing diseovered that in this itsoricimal form the work was ehanacter-

 mational writers. He fommal also mpon the lls. maths of a frealiar system of pmetnation, emplofed mot merely to mark the semse, lont also to imbicate these rhythms to a reader : and in 15.4 he printerl at lierlinan edition of the (wat in whieh there were set forth for the firs time he a res arrangement of the mather in the pararaphe. The present division of the rhaprers into prompaps Was orisinalls mate loy fur denit II. Sommalins ( 1 - 540 ): the further division into versiches was the
 translation, 'mow for the first time set forth in Whathmie semtences accombing to the Wriginal Intention of the Anthor, was pmlilivere in Lombun in 1559 , with a preface ly (anom Litlon.
Sow Kuttlewell, Authorship of the Io Imitatione (1875)


 I. Wheatler. The Story of the Imitutio Christi (1sel :
 is lased. like all English tramalations, on that of Antluny Hoskins the desuit (libs lulat, iteell a moternisation
 the bihliography in Wolfsgruber's dimsen (lsiol).

Kemplens. a lown of bitsaria, it mites $B$. hey

 diall: the alhot berame at prinets of the "mpire




Kempton Mink. in Mindlesex, 4 miles W. of



 in Snls ltisi. Ilis orposinte Anne Ken, twonty-- wor vars his suior, was tho seeoml wife of

 whtanerl a fellowship in the last man+ed in 10.5,
 tooh mbers at twenty-live and held in sheomen the comutry livings of little Easton in E.anc. Prixtma in the Whe of Whatand Eant Wiunlayy
 Winche-ter collage ant he now hecame alwh chal
 that he prepared his Whemal of Preyprs for the use
 wrote hiv dano mornins, ermings and mitnisht hymme, the first two of which, 'Awake, my sam. ainl with the sm, and "ilory to There me tionl, this night, are perhithe more widmy known than any other Endinh hymms. In 1624 Ken risited Rome, an. $]$ five sums later wan apmonted hy Chates 11 . chaplain to the lrimeos Mary wife of William of Wrange, lout oflomed Willian he insisting that a relatives bromin of maniage shond he bept, and returned lume in 160 . when he was appointer the of the ehaphaneni the king. It was in Marel 160:3. on the hings visit to Wimclester, that Ken refured to dive m: lis honse for the accommolation of Nell ciwnme. Later in the same vear he sailad to Tongiprs as chaplain to Lord bartmonth. and seven munth- after his raturn (in Amil livi) was aplominted Bishop of Bath and Wells. It is sam that in -anm as the kine heard of the vacaney he rememberm Kim"s fearless honesty at Winchester. and arkel. Where is the little man whombin't give jom Selly a lompins? Tive it to him.' He was ennsecrated in Janmary l6s. and one of his tirst dution was to attum the leath-bed of Charles. The chief puhbe event of his lisholrie was his trial and aequittal ammor the "roven bishops" in 165以, fur refining to reall the Doflatution of Induly At the Revalntion he fonnd himelf inalle in conscience to take the nath to William, haviner abreaty sworn allegiano to King James, ant was therefore superealeal in his liahoprio her Dr Kidder in $16: 1$. He spent the remaindry his day- in guiet retire. ment at Lomil Weymontlis -pat of Longleat, refusing to perputuate the schion by eonsecrating non-juring hishopr. "n acomant of his growing weaknes- he declined to re-mme the dutios of his diocere on Kidder's leath in 17a3, and aladly reenmised his uccemar, epanion to sign himelif 'Bath and Wells from that time. lio died at Longleat, 19th Darel 1:ll, and was limed at smurise of the 2lat. heneath the chaned window in the churehyarl of Frome stilwoul.

Biohip kien wan exteemed a great preacher in his day. lont his name survite mow only from his hyimos, and from his aintly peranal chatacter and the intonity of hiv devotion. And hiv muming and mening hyms demerne the world-wile reputation thes enjoy, from the transparnt simplets, fervemr. and trintlo with which thrandome ther ane



Ken': !netical works were wellecten hy his greatnepluw and exceutor, W. Hawhins, no fur whanes in
 143). Hawhans published a seleethon from the works, with a life. in 16 B . A convere cont colloctum of the prose whis is that by the liev. W. linh han in lang fur





 of Jatheater athl 13 stio. af Amblemilis, It is a gran -travering pare, with an anmint liothe ehureha a mine trathe (the lirthphate of 'athatrims

 and the thwn hactare fanons for ite walloms and

rafers to its " mandanture of a sont of frion callil






 See two works hy ${ }^{\prime}$. Nirfulum (1832-i.i).

Kemia. Jorivt. an indated montain mase in castern Arima, alnut lor smath of the erpatom, and mit far morth of Kilima-Njars, nearly in the antre of British Eint Amia. It in alai hown
 -mbmit is coverel with propethal -now. The erater

 Theleki partly ascenterl it in 1ss.. and In Greqory got to heyond 17 , (hn leet in 1093.

Kenilworth, a market-town of Warwikhire, on a small sub-aftuent of the Aron, imile N. of Warwick and issill. of Coventry. The castle, fommed about 1190 le fieotliey de Clintom, was defentor for six monthe ( 10606 ) ly Simon de Iontiort's son. and pased ly marriage (1:59) to dohn of Gaunt, and su to his som, Hemry IV.
 Elizaheth conferred it on Leicerter, who here in duly loth entertaimbl her for eighteen days at a daily wot of $\pm 1000$-that sumptumbentortamment descritud in soottis Kinilrorfl. Jiomantel hy the Fomblheals, the castle has belonged since the Liestoration to the Earl- of Clarenlom. Its mohle ruins comprise ("anars Tower, the ariginal Sorman keep: with walls 16 feet thick: Mermon's Tower and the Great Lall, hith hailt ly John of (iannt : and the more recent but more dilapilated Leicester: Buildins: There is a fragment alon of an Angutimian priov ( $f$. 102) : and the parish church has a groml Nomman dommay. Tanning is


Kemmebere a river of Hane. rise in Mose. head lake, in the west of the state, amb, paring Angusta, runs armerally sumth to the Atlantic. Wean. Its leneth is over loo miles. It i- navigrabe for larse yewel to Bath, 12 mile- amb for

 for a few mite from its mouth, the river ic clowed loy ice far from thee to font monthe in the year: and many companies are engaged in harve-ting and -toring the ice.
 of monlorn cillumbasters, was hom in lat, on of the law. ham kemmedy, second master of king
 tion there amb at shewhoms umber br biatler,

 Gil the Prawn mize thrio. the burdal for the latin

 list amb senien 川time. Xevt rear ho lexame


 Shrew, Hary. How for thity gars he latwamal




 is an imprianable mentrial at one of his own




 at 'lomplay, April 6, Iss!).


 tatel ( 1 afti) and athioms, with verse translations, of the

 In Boteren. Whils (1s7) are collected many excellent fontical pueces in Greck, Latin, and Finglish. Wther

 Trenstation of the Nem Tremment (lsiz).

## 



 mastor of a dharity shomel, to which litter othe le
 mosmiad his pommise halped him turnter Wradham


 two strikinse dissertations, 1 th the Toer uf Life in I'malise and (la the oblutions of rain mul thel.

 in 1700 vanon of ilnial ("hmeh, Ixford, whore he
 Kimpmontt n mame will lw rempmbered is his lotus

 17.5! la had pullinheal a wok contitlad Tha shom of




 order to ascertain or alpoximate towamk a corroet


 fonitom lomm a alis. In spite of comsilerabla "भmoition from liahops Wiarharton, llane, aml
 sympathios amd ohtainamer the suphort of the colorey




 of the work were iomed, and fomm liret to lat ma

 fimally pinted was that of Vian der lloment (with








Konningtong. a dintriot uf lambuth parinh.




## 


 X








Kensingtob, a strasorling parish in the west of Lombon atjoining Westminster, within which, althoman motiod here, are ken-inerton Palace ami (iariens. 'The former, rivern th the mation in 1899 , amil hilt of red brick, Win tha wat of llameage F゙imbly. Varl of Nottingham amd Lad ('hambellor,
 he and his wife Dary, Gueen Amer and her eomsort l'bince lipome of lenmark, amd (ienge ll. all died within its walls, and it was also the hirthplace of gueen Victoria. Kemamotom Gambos, which at lims umbe comsisted of the erommis of 26 ateres attacher to the palare have heen frequently dodarged, amd are now ot mila in cirnit: they are "onnected with the narthern part of Ilvid l'ark ly a stone bride over the splentine bilit by lirmie in 1506. At their somthem extromity is tha dlhert Semorial (1s-a), demisned hesir Gillurt sicott, and cunsisting of a bronze gilt statue (by Voley) of
 Iso feet high, amb surmombed ly work of sculpture ilhstating the yarions arts and sciences. Opposite, in liensineston (fore is the Alhert llall (146-7l), a huge cirembar haldime in the monden labian style, of red hriek with redlow drosinges, had as a concoytrom and apalile of loolding 10.000 persons ; its cost was teon,(100), and thr interior meannes 200 fent hy 1 so feet and is 140 feet hinh. Other homblings in the vicinity are the Gouth Ken--imgton Musemm, Natural Ilistmy Musemu (see
 work, lioval (rollome of Jusir (Issi), ('ity and thilds of Lamonon Institute for the adramement of

 patee in lsers. 'Tlus parish rlmely uit it Mary
 Whom in 1 ]ot a large part of the manor of kemsing-




 imilding fiom a hivtorieal priat of view is Ilolland Ilomee, a puaint mansion in the libizalnotam style,
 reant of the Whis prlitivino at the fommencement of the lath century. Amondet its wempants
 SdAcom, who died in it: Bhipern, the fitmons . Iambite: Willian lram, the fommer of lonnsyl. vania: and thatles damos lous, the matermain.



 switt. 大ir I-ata Nowtor, dark Wilh, W. Wilherforce,




 tatiom of tha mation rivil parish, which imelmes





 :ts "the liromphom bivilor') whirlo was arected by


 t! it wat promoset valum collentions whish hat

 hmihlines sill incomplote. "lym institution com-

(3) varimu merience colltwtions. The Xational Art Training Sehool, the Nomat sehom of Beichee. and the oflice of the department of Scitners and
 The art collections comprise mininal work of deen rative art of all periont and combtre: pantinge - hietly of the Euglinh sehow, lat incluling 4 he can toms of haphace, the poperty if the ermon: and reprobluctions in phater, metal, de of sulpture, arelitectural lewotam, athl sibersmithe "ork.

 while the value of the gifts and bequents in entimatem at one millionsterling. The Lndia Mnemm, orimitally belowing the the Etat Inlia Company, wam hated user the the deparment in 1s:9. The scipme collections inelude madinery, natal momels. Ne., aml amparatus for relentifie teathime and re searh. The musem also contan- at and science libmate. The visitors aterage son, (0) yearly. Somlay, Tuenday, and saturlay are fien days; on the other three days atmin-inin is sixpence. A sretan of circulation oi examples on loan to prothutial moseums, wienct and art selnoh and clawes, forms an ingurtant pat of the areations of the
 sulbjecto, and other puldications have lieen i-xned. The orginal iron buiding was removed in 1565 and re-crected an the branch musenm at Bethal (irmon. The contents of this are chielly loans, ant ale chanfel from time to time.

The gralual develoment of the science and Art I Peproment of the Comanttee of Comacil on Edacation has been sketchel at Itic. Vol. 1. 1. 4.5. The department granto abil in connection with a system of anmal examinations, in which prizes and Uueen's melabs are awarted; 1 raments to teathers on the result of examinations and, to a limitel extent, on attemlanes, scholarohips and exhibitions; grants for haldinere and apmatos: and aid to teachers White attending the Nomal - dombl of science and the liyat Selnol of Dine, Sonth Kensington. The seience examinations, for which an ammal Directory i. jublinherl, fall under twonty-hive heals; and the sebence division of the department, which in 15 :2 hat under supervision only 94 , rhank and $36,-23$ pulible, passed muter reviow, in $1 s \sqrt{2}, 2026$ schools, gis ing instmaction to 95,900 pmpila in 6850 chatec.

Kent, a marithe comoty in the SE of Enorland, is lomuded hy the Thamen entuary, tho Strat of Dower, Snimex atol the Enerish Chanel, Surrey, and the comaty of Landon, whose creation in lusy has monded the ata of the athinis tratioe comoty from $90.3+4$ :uren to 97,849 arem. Greatert lenatlo, tit miles; lutath, is milo. The surface i for the mont pat hilly
 trart, some It anile- long tys homb, ant in the north, where a line of marshenshirts the banke of the Thathes and Ifelway; thowe litet are hacked by anctesmon of wombly hallo, stowhing inland and erathally inereaning in hiolat mith they culbinate in the North lhown (ate lowss), is chalk range which traveras the minhle of the

 the sea level. below these downs lime the Whal in Kent, a listrict abounding in leantiful aconery athe revopying nearly the Whole sunthera suth of the manty of rivers in kent, lesendo that whe Th
 Destwas. Stome atul barent. Than limato i- in Foncral mid and healthy, and the wil, whirlan Si-t: prinipally of chalk, grasel, and alay, is fortile, particnlarly in the sonthonat, where that rich mealow: of the Romary Mants atfon were hont paturage for vast thech ois show. Ith brameluif apriculture are extentisely catried bi, w-p. ialls
matherembening and the grom oh of llyn (I. b.) and truit of saman-hints. la lw! the extemt of
 arter, or a hop- fied ahmot lise thme lan.... that that of any other haterowing comaty in Eunfant,



 aljuminer the (Chamel Tumbel (y.v.) at at heth of

 aronal and the doekyarlo of Chathatu and shearness: whild at hofinal are the hombetive and carriag whon of the Kouh Eatern Railway, and
 hiverim. Kent is divided into dive bathes, and
 bover, llvthe, Lammer, and sumbieh, the ritios
 lommolin-in all 435 civil parisher, almost wholly in the dionem of Canterlary and hathenter. Pab.

 The comoty incluales eight parliamentay divinonand the barlianmiary bumghs of (anterlurs, "hathan, Wher, Gravesent, Simenwich. Hythe,

 oue member. The comuty combeil numbers eth. The chici thwns. in :uhlition tu those menthmed abne a,
 Wells, all furular waterine placen. Aperuliarity in

In histerical ammeiations the connty in mana ally rich. The earlier incidents down to the 1Ieptarchy are noticed at Exalavo, Vol. 111.
 tioms of the banes and Smmans, daring which the comnty wan the erene of many a battle, the principal event in it history are-the mander
 -ubmision of king John to the lone's Lexate at lover (121.5) ; the invasion by lomi-. Handin of France ( 1216 ): the insurrection- of Wat Tyser (1381), Jach Cade ( 1450 ) amd Sir Thomas Wyatt ( 15.54 ); the encampuent at likekheath of the Comidinamrent- muler Lom Andley (1497) ; the
 sempent mpremion loy Parfas: ant the destro tim of -hiphme in the Medway ly the Intch theet mader be linver ( 1 ti67). Dover wats the seent of the leath of King Stephen, and Fabersham of hiv hurat: at Greenwich llenry Vlll. iml Quems Mars anm l:lizahetl were hom, and Edward VI. died: Elthan lobace (now in ruins) was fon at loner tinn-
 nectiped a pertion oi the ste of the royal virtual ling yart, lived leter the dreat whint leaming the that of a shipwright; athe at Chishelums Napheon H1. diol. Oi it- early mhatitants komt hat manerme traces in the shape of lionam rombs : wn


 known at Kit. Coity llomm. Uf alitice of at linstrical ar antiquatian interest it will sullime to
 Leshater, the Nomman fortres of the latter patare




 kentioh worthes ate induhed 'axton the pinter,







 Ifrivill explarer．
 new ami colarged ed．1surf，de．）：and mankin（：$:$ vols．






Kent，inmes，an American jurist，was bom in New Yorh state，：3bt huly lotis，glamated at late in lowl，and was andmited tor the hat in 17 si ． Afta serving two temo in tha legivature he wat proforor of LaN in Columbia Collene from $17: 4$
 －upreme rumt of New York：amil in lsot he herame chitifortion，and in 1 sit chancellon of tha
 contimned his chamber practice for many year

 1－20 30：14thed．As．4），a momumental work，which has not yet heen sumemend in the United states． Ite died i：th beember 1sti．

Gentigernor，the apuste of cumbria，wasm of the l＇rinern Thenew，who，leing fomme to lie with chid，wan first mat from bumpender or Trapain Latw，and next expmed on the Firlly of Forth in a corade．It cartind ber wat to the lnte of May and
 the yaress）．Mother and whild were hought ly
 reared the bey in his momastely，where he wan so beloved that his haptimal mame Kentigern（＇cliof lorl＇）was biten exchanged tom Mumg（＇dow friemel＇）．Arrimel at mahbul，he panted at man


 sion of a trramons prime drove lim to seek refuge in Wialp，where he visitel st havid，aml wherre． on the hank of another Clyade he fombled another monastery and a lishopmie，which still hare the


 －hire，thon at dilanow，heromed his minumary

 14．0 yans old＇），and was huriod at the richt latul


 he domeline of Fumben，buth helome to the later half
 tions of them，and we have atopten hio manatias
 which were rioted to deeply in the pepular fands，


 ambial harinse of the city of blatrow－a froz＂t
 St Serfo pet whim wholh he rextored to life，a hame 1 wh which le．lmough from lame，and at satmon whath rowned from the dopth of the clybe the lat ringe of liodomerli：－frail furem．Nom is it st

 Thenos．To the mint himalf tho are right
 lantit．

（1sil）：Skences ciltic sootlenel（rol．ii．1857）；and 1beveringe＇s c＇uhross und T＇ulliallan（1885）．
 dimmors or metimen of a political harater，comast－ ing in dapling the lands in mism in a pereliar rhythm or cadenee，thes：＂－${ }^{-}$，intensition wea－ simally he the ery of raila at eritain intervals． Tha reflect is very striking if the elanging is well led and kyd tugether，and may lee tahen to hear sume reveluldance to the gatio of moshetry lire．
 the＂＇whlies＇were probahly list onsane at the great Kontioh meeting in 1sers ong to prost againet Koman Catholic emamipation．In 14．3．1 at a great Protestant meeting in Dublin（Angn－1 15） Laind Winelikspatroduced＇his kentiol artillery as in now and stirring feature，and kontish lire has ever since lum a faymmite monte of inflanse it l＇rotestant，（onservative，on＇Orange＇meetings expecially in the nurth of helame．
Kentish Rag is the lucal name siven to a sravish hone and mearimally arenacems and cherty limentone，which recurs at Ifythe and other paces on the coast of kiont，in the lower firmonand Deasmer．It is sometimes to to so feet thich．

Kentish Town．a distriet in St Paucras marish，in the north of Lomolom．

Kents Cavern，or Kextrs llale，in motahle for the evidure which it hat monderl as to the comtempmaneity of man in livitain with varions extinct or no longer indigenons mammals．It is situated in a small wooled limestone hill in the immediate neighamonow of Thymat，and appars to have leen known from tilla imbe－ momial，althomgh it did nat attract the atomition of ariantilie men until $1 \mathbf{s} 25.5$ ．The early exphers of the eave，Nomphore，Trevelyan，VacEury， （ （odwin－Austen，and（in 1846）a committere of the Tombly Natmal Hisw limling thint inndents mixel nu with the remains of exfinet animals．bint these divemorios received litele attention until isis，when the beralts of the －y atomatic exploration of Brisham Cave ly a com－ mittee of the lowal society lod to the ammintment in Natit of athilar commitore lay the latioh Imaniation for the examination of the depsits in Kiont：Cave．＇lhe remblo of this exploration， camion th mater Willian lengellay（160：24），from
 of the highest importaned．They show that the buttom of the eave is paved with a surecesion of sheots of stalamite，red parth，and hereda－all of whirls have yiehled relios of math and various ex－ tinct of mo longer indigenens mammals．Shonget the fumber are pabalithio thint towlo and imple month of lane，suld ats a needle with a well formed ore an awl，a hapum，de．，aloo proforated
 monal propore．The inimal woman eomprise thene of lion，locar，matmonth，machairmotus
 rend decer，wolf，fox，ladger，ghatum，lutaver，de． In whe part of the eave there thermed maderneath tialasmite a dark latyer some 4 incheo thick，whin consisted mainly of small framments of charred woul．This doultres was ：un whl hath，rumd which the pabeolithir cave．lwellets pathered to mast hones for the sake of their samory matrons． The sheete of stalagnite are of ineonstant thick－ nes－the lower one attaining in plates a thickness
 have expeded ofert，and was frequmbly wery much thimer．＇The＂eneral elaracter and strue－ Lure of the carodopinits show that a polonged time was require⿻日禸 for their accumblation．Sce M．



Kentucky, a river of kimthery is immed lay
 and. ather a winding morth-wont comese of ahout
 Indiana. 'The rivar runs throbgh patt of ito comme brtwern perpembicular limentom walls. It is navigahle hy steantuate to heryml Frankfort.
Kentucky, a state of the Aneriman I'niom, in the ertat contral or Mion-wipi balleg, lies be tween $310^{\circ} \quad 30^{\prime}$ and $390^{\prime \prime} \leq$. lat. and between do $^{3} 33^{3}$ and $89^{\circ} 30^{\prime}$ W long. Its ureatest length from compans ealot to wert is alnant 4 (h) mile $-s$, its lrealth from north to south alout 175 miles: its areat is 40,400 Hf. m. The eastern and sonth-tiotern [arts of the state are mometanons, hoken liy the 'monderland Monntains (2000-300 fert) and their othonots. Westward from thiv region in a platean shinge oralnally toward the ohio and the Misomiphi rivers, which band the state on the morth and wort. large cyrewswatmp atill exist in some jarta, eppecially in the sobth-west. Kentucky lits at river lumary of move than som mile in length, including a treteh of marly fiow miles along the Ohio, ollmile, on the Min-nipri, and 120 on the
 amillentuchy rivers rise among the momatans in the eat, and crose the state to the ohio, whese other large tribataries, the cireen and the Trabewater, rive in the weat. The anditerable extent of water thas availahe fur mavigation has lately
 Bonden thene natural lingways of commerce ken thely has extomilen of raihoal. Southward from the Oho liver extemls a sembirenlat tract of lame of silurian formation; here the onil is prodaced by the disinteration of the fosiliferons bue limestone, and its fertility is morivalled. Thisection is the famon- blue (rass ( 1.5 ) comntry, in which the mot exhan-time (rops, shel as toliaceo and hemp, may he rai-n montimon-ly for a serieoi vatr withont materially imparing the pro-- luctive value of the -ail, the comstant crumbling of the forsiliferous hales reverime thome constituents Which have lneen withlrawn he the rich growth of vecetation. Surrombling the Whe erass tountry is a somewhat narrow helt uf Devonian shale; it. soil in also very fertile, and the lower strata contain pertolewn. In the sonthern and sonth eastern barts of the atate there are other tranto of Devomian Wharite some of whel yimh heary lubricating wil. 'lue eastern, the westurn, and the sumern fortions of Kentucky belong ntanly to the CirInmiforone age and the strueture exheists of suls. "arboniferms limentone, or of trab "arloniferon* alwnit- with exten-ive waltiold. The equl. meanare are the result of ancral alternate ex-

 -tat, is a strip of lan! which alpeat to have remained lermanently raised abobe ther wa hamg tha tortwiferms jerion, and thas forms a divite
 Tha rastern robaltich is a prolongation of the
 oxtent. The wetern helomge to the llinain tract,
 hitaminons, and some excellent fothnol lurors Suy in improtane to coal are the irm urw, whin





 ow our : blmont everywhere ; and walt is obtamel ly boring in the coal and the oil mergink.

Throngh the limestone formation the streams
have cont deterymes, and within a rexinn of alumt

 topuraphy is peculiar, as there are many tomal ur

 arosive action of the water las mmlerminme a latw patt of thi tegion, and produced the mometron and witen "xtensise caverns whieh form ant of tho remarkathe physieal frature of thi state. Di thow the best hown. throad powibly mot tha larcent, in the Mammoth Cawe (4. \% .
Krntarky is dmely womed, exmpt in thene phaces that are unler cultivation ; at prevent about twothirds of the state in conpred with bavin forsats. Among the prevailing aprofe of trexare the lhe ath, the black walmot, varien-himh uf mak, the pine, the maple, the tulip-tree, :und the weet ghon. Notwithatanding thi- large prometion of forent lame, kroturly has alway hom whe of the leading agrioultural stater. and ite probeto ate motel for their variety. It is the principal tolateos prohecing state in the unim. The stat has always heern a wentre for rpaning lomestic animb, and for hreeding the tine ar grule of otome. I wery have Inreentage of the sacceminl mahome of the
 leculiar alvantares for tock-ming are dare in fart to the exembent paality of the grans, amb in [art to the milal sathlomo elimate, which ] whits the cattle to remain unhmand in har fatures, 1] wing the ereater part of the winter, hemtucky princibal mantactare is whisk, whind in male in large quantitise in the central wection. The sholting and working of iron are the only ulat mamfacturing imbortries of any consilemable importance.
Kentucky is diviled into 117 comnties, amd tomtams 19 citios and wer 300 town and villace. The most important cities are lami-wille, lowingtom, Newpurt, Lexington, anl Frankint, the tapital. The govemor and the $3 \times-$ tate winators

 repremtative to congres. The stat in practic-


 inumptant collegsand schanh of highor cthatinn, nome of them atliliated with the Konturk ["nivervity at hexington. For. of the state" (latio)

Hestory. Namerons remanc imblato that tho
 Int at the time of its first wempation ly the whitus
 visital he lath the monthem and the EMathern
 settlements. The name kentucky, stanify ine the
 wrate the andiat herwern the valme warliha
 biome (y. . . Thi- whole territary wat induded in the wrimal want the ondon of Vireinia,
 In $17!0$ it wan math a etparate toritany of the
 -tate. Kantach dill not merede dmine the risil war, and several mampagn were wigeal withot it lowier:
Kroknk, a bity of Jowa, is situather ahmont at the combland rivemity of the tater on the




 diately ahone. abr now paned hy a great camal, 11
miles long, which eont some a million dollato

 malls, ant ficetories. Jog. (1s!0) 14,101 .
Kepler, or Kerlest, domaxa, one of the very מreatest antmomera, wan hom at Weil der stiodt, a village in Wurtemberg, 10 mila drom Sthterst, 20th Derember 1oth. lie wat lat to hin own resomere when at here chidd, his celucation dejending on his almis-ion int the chnsent of Xanlhome He aftetwards stadied at the miversity of Thilingen, aplolyms hameli dieng to mathematic and



 Tyelon in his wiok. 'Tycho whtained for him at government almbintment, but the salay was not paid, and Koplor lised for eleven seats there in yreat jowerty. Mo then whtined at mathematical
 was momed to the minersity of liontock, jowerty still pursuing him. IJe died - luntly afternats at Latimum, bith Nomember 1630.
In character le wa intensely enthanastir,
 tittins him for the sreat task of transmmines astronmy from a bitely formel into a the physimel mituce. Though Copromion (q.s.) han transerved the rentre of the phates movements to the smm, these were still emsiflered ats com [wanded of varions cirche, the only arve thount tit for celential hantien to fursue. No camse wan atwigned for their movemponts, and no mity oberved antmy them, exerpit in the one fiet if the sum heinst their centre. Kipher says, "I homded with the whole energy of my mime on this selojeet, asking * why they are mot other than they are the manher, the size ame the motion of the orbits. In fact he hand first to deternine what the orthits
 lant one photion lay open before him. The perions of the phanets ware fitirly well homon, so wer their proporionate dinances from the sm. Was there imy invariable redation between thene? In

 Thmbers anern the five phatary orlite. lite after phblication les still continued to 'broud,' Jecoming at lengeth comvine that this themy wis omly in ermer, until after twenty two sears of patient study
 at lant to : mononce (in his Mormomiat Mumeh, 1619) that the 'squete of th planct's priontic tome is pros.
 sum.' 'This rule is kumw it Kepler" Thinal hat.


 an Xewtom after him dill, the tmoth that thin io an

 Finding the theory of wioseles mathe to leat the


 mem- whith wonal be simple ath sati-factury


 that, ots the plomet despribess as athit, its reches: antor terterses equel areats it tqual times. Thase rulo ( publinhed in hat in his work on The Moters





and seometry. A collected inditom of his works

For further information, see limewster's Lien of (ialleo,
 and Gramer, Johunes hepher (18tis): and Whewell's Hast of Inductive Scicuces (vol. i.).
 iulmiral, wat the son of Willian, secomd Earl of
 the naw, le vewed under llawhe in 10. doree in 1758 , tomk part in the hattle of guiberon bity in 1759 , and in the capture of belle inge in F 6 h, and commanded at the eapture of Havana in 1762 ?

 hat owing th a disagreement between Keprel and Sir Hugli lalliser, his second in commamb, the Fremeh were sulliced to escape without a renewal of the eombat. Both adminals were bromolat before at comrt-martial, lut both were acquitted. The atlair made a great atir in the eometry, the pophatr serdict lumg on the side of keprel. la 17se in Which year he wis ereated Vimoont Kepped of Elveden in Sutholls, he beeame lime Lam of the Wharalty. lat resigned on l'itt's aression to womment. Krppel died, ummarion, on sid (ntwher 178t. See Life ley T. Keppel (1842).
Keppel. sin Hever, Britishadmimal, a younger win of the fourth Eat of Allemarle, wats bim Ifth hume 1su9. Ho saw service is emptan dariner the War agatint thina in 1842, and in the campaign :hainst the pirates of the Giat Indian Arehijelinu Surtly afterwards. Durime the Crimem war he commanled a vesel in the Baltic and black Seas, :nal finatly the oprations of the natal bixate hefore Subastuph. In 1s. he tomk an inmurtint part in the desthetion of the chanese thent in liatsian liat. He was promoted to he yien indminal in 1 siat,
 of the thept in 15 . F . Sir heme keplel hits written B.rpaltion to Bornto with heijeh lirooke's Journal (31.al. 1847), Visit t, the Indem Archipelego (1sis.


Ker. The Family of, suphoed to be of Ansho. Noman extraction, is fomm in seothand in the ene of the leth century. The prevent mperentatives derive their dencent from dohn Ker of Altonhmon in 1357, whene preat grameme Indrew atequired (censfat ahont 1440, ind gave orimin in hin three soms to the families of Cessfirn, linton, ant fiateratw, inal in a gramanan to that of Ferniliont. Sir Anlrew Kel of Cesford

 Sir Wialter, whose prandsom, lohert, was ereated Eath of lioxhorghe in 1616, and Mark, commendator of Newbattle, wheme son, Mark, wat reated Lart of Lothian in towi. The meond beirl of loxhurghe wan only a Ker ly his mother. He itsomed the - momane of Ker, and his grambon, the fiftl Eand of liosimmore, was peatem duha in 1507. Juhn, thind Buke of Roabnothe (17t(1-1804), wat the

 and beal uf Somerset in 1613, belonged to the family of Fernihinst.
Kicr, dohn, I. I). Prentyterian minister amd

 unowl with his parente to Edimbung. He was
 was for a the mater Thomelk at halle. He was


 in Mat, where, in the comme of a fow gethe, han pophanty and the demado made upon hins serviaes

 orempod the chair of Practical＇rabines in the
 till his dealh，Getoher 3．listi，and hiv abilits．



 and girithal tome earied his mame far low the




 fouras on his bruik（小N（i）．

## Keratill．Seellows．



 and a railway was popected ly Widhat lathan



 fand that it i hailt on the site af the batile． fiod on whids lawein，som of di and latimat lant hia lifo（tian）in attemptines to mantion his
 Sosken thrmghnt the word who can attion it
 the of doal Halem－abvered from lambay
 （1らご。
 of whand orizin，aitmated in the Antaretio wom． betweon is at and to $4 t^{\prime}$ s．Tat．and or ter and

 feet and mow of the interion is coverel with an
 rack ancine the mants．The tho sur wer
 foming exol hatwor The mimate is raw，and stoms are nomy comstant．The F 人and wite di－







## 


 frow，fond maty in keremeden－I：and．It has at
 hrath of hasw very similar to than oi lo common
 thi－phant，amd dirmed attention to it．The 1 ma







 of it－antiocenloster unalitios

 on the left bathk of the Amm biatiat oll Wex－





 it，allod gatromed it with manlar dimpo．






 of Now Zablathe The elimate reamble that ai Now \％adand．The woul was disemerod in lian， and annexal ly（reat linitan in 1 sut
Derey suith：Kermmior Islmets（15s－）．
 the eatern prownes of lemait，ly ines somblom Khomanan，and having an ater of ahoht somos
 al fightful walt wate callend the lowed of hirmenit．
 Iram．In this extmone trant nut a hade of ：mans is to lue sten．The southem portion，althengh
 north．Weflet the small that of Nmmanhir，tor wark the eat，which is fertile and well watemed．





keman，the chef town，is stmater now the midhle of the poxince，in the cemtal mumatim－ ramon，and contain，a pepulation obimated at
 very small comperd with what it was luming the Sth century，when kemman wis the great mat priman for the trale lay the lemand falt and the


 mate－lases．lint the chief cabse of the Aheline of its trikle was the fall of（rmmbrom（4．$\%$ ）it pont．
 Keman is only motel for tha mandothe of tha





 ing ronte from Dagiad，＇lidntan，and I－pahan．







 real minerat，thatly in tuit of capillary restala：



















## にESTREL


 Hat tome a kiont interent in the phemomema of






 aile are woll in litherm rommbios for lombing in





 Great linitain．

## Kerohalle，Lotiee de sec Chathe fit <br> Kerowlie，seekismaris．








 fondrly uf the arat is hatren momatant bat，：ami


 in lometh：is frineme with intomb，of whill the



 whish trodelas wormad from the anmil af





 The elimente in mid，lat nevint，roperially on the










 dhay amd lani－fullon．





 varietion at her－antom are callobl hosentho．whib．








 カッリ＂


port of the Crimea，with a latre trable in the export of romo．is simated on the rastom shome of the perim－ula，on the strait of Kalla or Venikate． Which．di mile long and ：to as wille，comects


 （all expertal）．Tlas maximm fur the tirack and



 1sia）．＂l＇un and a half milne to the sonth of the town are the fortitied works draisned to proteet



 quently of a state fommed ly the ann of Xithri－
 a dopiat of the tiemese：thon it eame int＂the hand－of the Turks ；and linally，in 17：7，it was acomimol liy the litw－ians．log．with the neigh－


Lestevell．Tum：livit＇s uf，the somth－west divi－ion of lineohn－hime（f．v．）．
 a shatl spucise of faloon cmand in tho morth of laroge in the wetmer monthe resident in the

 1．She mate：：，the wimat．
＝wnth alt the rear romal，and pationlarly ahmel．












 Jonnward－：amd fonshls．Hat of the wime a litthe


 ＂hile on the winer and meanimally forall hime．



white：thickly motherl with redrioh hown．on

 a pale bawn makeal with hatk；the hatal，moth，
 than the make and is rembih hawn with hat of

 reathble the comman－putes Dathe the clave white interal of yellow．The monmon sparms．
 a near relative and allial freme are fomm in nearly all parta of the woll．The whate gromp in
 Тіпиипейия．

Weswirk，a marke tem of combeland．near the emblume of the dipta and the lorwent．If



 whilt to the nom tow er shataw anom feet）．









Sicalhely a mathet town of Iturary，on then wetern fore of Lake lialath，11：3 milie lay mil sll．af lecth．Poy．ontas

Kict．Bumelet，a tannel of Wymamtham，in Nomedl：who raimed the sambal of insurvertion in that comaty in Inly litu！．The ratse of the


 mima throne lumaths tha－Dak of leformation
 city wa twien eapturel hat tio rohbl：on the secombl matom they holl it muth thes were hiven

 1he was afterwath langel at Kowich．The

 Prbllion（ 1 st， 0 ）．
 mat－viz．the man ani mizach，fommoty mach

















## 










A．The Mater for the mathet w：gion la



## 

Kengore the urner divi－int of the Triassic




 amone ellowe of interest at kew are the haval
 nificent collections of flants and fom－loth native and exotir，ambl of trees and shrubs．liatalifiled


 amb the ammal cont if kerpine then ne ：mannts
 i－itom to the sardens，whilat in Whit Shmiay Lam it was computed that bearla 10.160 persoms wate admitad．In adilition to mumemin lint－



 atory：ho Korth mifles containine homborm naturn talan in lifferent part of the worlal：and
 fret himh．Th the smethent of the parime is
 －hatm：lume kept the themumem and cher metermhemal and magotical instrune wht which serve ：ts tandarls for the l nited lingolom． （lowe whe thathern entrance i－Kew l＇alace， formedy a favomite residuce of farme Ift， ant if पumen charhate，who dian them．In the


 buchas of tambinge are hmion in the anlts，


 and zallan：sir ferter Lidy mon lived an the


## Siewaltil．see lipewitis．





 in whith mentern moriv i－wilton．lakh mat．on
 Which i－calles after the mathe of that mote and
 Lies whon that has pernminate fhomelam：and

 Gurther mombunt．It i hatit ly many that wach

















Nellentry wote the womdo which hatre Lepu ha-

 a hambunn mamment hy stons, worm at the





























Kague. -r, a holy virwin atal to hame liver






 Whe wall is montimei he lallow and tares, bat



## 

Kes Wext, a font of anter atol eapital of










 Con*



Dhaloarovkat at the jumation of the I'ani with the lmar, is the eapatal uif the Datitime








Khatma. the wimming ehief of the hamans-










 Harma, imd is intoreded ley bre lapti ber.


Khalliat, See ('.nota.
Kharasill. Rem Kimys.
Klarkoll, capital of the Rosian gambment of khathott and ome of the chinf town of the





 mondon, dr. This miver-ity was a centm of the

 inm ; Tat the plate on pincipally melnated for its
 Wowl Ihe mited monowr ammontammally to the





 the low. Xearly mo hali of the amea is arable himis.
 Funtint hown in the ratam mondan, stank on the


 the windins- oif the Nils. It wan fombed moter
 herame a place af conan"

 Wa, whthins for it- ?














 Khalifa: perwer lwhen at bmanmalla: and two days after, the Briti-h ath bephtim bay were
 Tha













exi－t，lont only the latter is Motratad．The lant
 Anatory elaewhare in the whone of lmotial：it i－

 anthority are the mont mathel almomer theirenelal
 （ハコンロ）
 for allont at mile north from the wonlhatare of the liaflamatiant Vishammati rivary．It contation at



 filthe in the marma．The pinaipal lomithiner is

 militare enmoil chambur，thor kit，where in Inti
 The pumbation in abome Etorom．





 whiolt is reddioh colomed，very lamd．darable，amil
 of Crambia tho hatk i－almintoteral in the eman









 fore a more dierniliod title than mati．viremos．







 loth as a lock－sabl and at romburajal outlet．It






 for it w以

























 river．to which it antively oms it－fortility．＇llas








Lhiva in andont that wor mominally－Hhfonet



 ＇Ilae Kibuans，or，is qumy were then called．the Chorasmiano，after combtuolngs the wreateot mat




 klan hy wexem writes－1．Aiof of the l \＆hes．：

 －mplanted hy Kiruhiz and kidukalpak princes．








 recommernow when nem linwian fonts in Inti！：mal lsal were fommed on the flome of the（angian．












 proated with lam－ian tobitury and nam kisil．























## 

Klofirud．a wallud town of lis－ian Turhumtan，


 one time indermolemt，it was altrmatery in the


 tembing eint oi tif loner．wer the whole of the






 flombliath 1 osalt was the anmexation to linsmit of



 dusine the midnle asos．The town of khobimd han it．1ッ1 inlablitants．

 and thi the ronte from that city to Jlamathan． l＇口1．1：，1000．

Klinrassalle thr lament frwince of Jrusia，

 wa－tr：of tha remainilar at lager portion rom
 triet－are in the month．Whem the hish mane at the Eltare arone the prosinore throwings ont

 ticial fontilisatime her motne of ramal was here



















 matil finally it foll mader the swity of tho ．\iahban－



 फो





入ッドふス1．

##  <br> 

Kleotatle ralled lowalls lertit，at city and dis triet ot eatern $\begin{aligned} & \text { lombestan．Sinse at the morthem }\end{aligned}$








 atal lamivan．The later hate bankingeremblinh
 athl own at the motern temple．
 hating fous and he levian（inli on the moth，is









 ＂aljects，amd silk mambinetmos．With the down－ fall of the califate of biakland Khmaistath ceatsed

 rempued．Sen kintry．
 hotwern the l＇matat，and lighani－tan，wimh in a


 alm bation in wilith from lon same to 20 ，thomgh in whe ploce it is omly＂to feret ur hose．It is





 heren the key of tha inljow－nt rewiens in oither diree－ tion trom the dise of $\$ lexamber the direal．Inure ing the Nowhan war of 1 s．a！to it wan twier


 into this gats．It was－tipulate⿻l



























Kiadorlatl，or kiatothm，a purt on tho





 to have leent the son bif buthy 1 wenaming ministor what wat to the torthe of the lont， and whe died in lea．The tat went varly to neat， stw mach hate servire privatering adaint the Frewh，and gained a high reputation for stublora contay，and in leat it rewad of alat from the combil of Nery lork city．It thi－time that





 Lonlon and wiven to Kibl．Win Wat turni－het．





 plating the fan＂．of pirate himn－ilf．Siter a tho Vear cruan la mamed to the Weat hatio，and
 Bown withut moming himeli be a sati－factory safe conduct．In spite of the hali promise that had hetu mate him he wia inmoted and sent to Enelant，where he wa－wiow for biray and the muther of on of hi－man．Gi the latter chater lat was fomathy fumb suilty and hamed at Excou－






Kiderminster，a parlianoltany and mani．



 placo．chiplly momathy whathat of it carpat




 lam！liall：a marlhte atatue of him was mattend in

















Kidury－herill．Son leax．
 tion the＂－x



In ：latyer af fatty ti－alte．Tladit form in di－

 －mewhat andared and the orsan as ahole is oompreatel fomb butat hathwards，The ater atae hough of cath liat ney is a litule more than f Buhe and it－lowal weight i－from + to ； anmos．The lejt his ney is longer and nat． moise thath the rimht． and in the fernate the neisht is－lightly I．．．． tham in the nate．The concase inner lowhor prenents a lomgitminal lis－ure－ther hilam－at Whith the verseds e－ater： in fromt them is the renal bein，lechind it the remal artery．and mant potarion the metar，
 th the mater．When the siles of the lifman are batd aphat a dery imentation is com－ the sinm－nif the hilmes －in whielt the uretior dilates 10 form a later ste，the pelvis of the hinhere Inverting the hidney thera is it lilmon－ wat－the t＂miate rllor－


Fig．1．－Vintical rection of
K゙お戠い





 given－which ravlily

 reat．．It the hilmon it than inwords，and









 twand－dhe hilhm．
＇The raticel sultstemer forms lis fat tha Eatater























 －H1， of the rimtect．

The eatity memping ihe interion of the hilane
 which，thomph the median of the metor，i cont
 inte the ti－wn of the hisher－to line tha minitur （1）（14）



 down ha werem inta the hidater．

Each hidney i－－andion with hawn lay a wat artery a lage tmak which combe wit right

 of the varims mattere which com－titate the trine 14．s．is retmoned into the benome－－－t．m hy flo renal or cmile ent Yein，which onn mantur ins inferm enat eava．The nores are devised from the remal whous．
＇The Milpuishian lualim are fomblin all wertemate． animat－In manmal－ ＂hichate the only animal in which theme in it lisi －inm into it cometal ：and it melnillan furtion．than bention are mbly fombla the fomere Ther atre for the mont part of a －1herimal，orat，or thatk like form．Theirdiatmen in man may ramen from
 the mean leving ition 1 －mall artery，tormad the wffernt wesel．may lu tramed into math Matingh ban holy．Whila a minut，








 nork
 tions of the Walpugith hompe and the tolno．










 What the funding of the Matpishith lantive is 10





 ＂anthelial we wh the ather．is the exat anmery





 It don mit neve－atily follow that thos－ecreting moll－mulage rapid hacay and remewal ；it is mare
 Frrtain materials fomm the hhan，and oif trans． mitting them，withont the li－intargation of their awn stmeture，for the intorn of the tuhe．The phan inal amb rheminal chamepre of the remper tion siehted by the hid． bos－will he comsilered in in ar article lamat

 mont in！umant ato the grand inchated mader ther ：－4nemal name of
 mary lue detimat in toms－ Minime cant where thethal chanse in thar hintners，matilly in－ Alambators，lint with．
 to tha phanelle of alloll． man in haverine．Ir
 li－hul in wer member －Hwins that many
 dembet by allimminnia on the ohe bami．and ly marhat changen in the kiduers on the uther．Hinalmervations hatce lawn amtirnmel

lige B－Jiagrammatic View of Tubule（rinht side，A） and lilnul－vesme）s（left side， 1；I If Kidney．

 －nhoryment onerver ；and it is mow armed that



 ally．
 Alammation of the hidness In thin fimm the

 ＇The hadmen are at hat moth matamed ；in athe

 Imation of the dineme in long．lon ober，they may ultimatel？hermar moll diminthed in are，on as






















 － phemat ow pearlima．

 chatly In chmont indambation of the emmeretors






 thirty，Hont commman aftor forty on folls dive．Tha＊ chef feature of this afleretion in its extromely


 amd mat far symptoma diveretly referalle ta lha
 inemeare in the prantity of urine．Whith contathe









 intlanmation of whe intermal mean－all there are ：thome $1 l_{1+8}$ wommencen which maty lead to





 Kildero－I，when thin dremerative fromes abo




 preaent．like waty benemeration olowhere，it can almont almay－lo traced either to－phalio ur tat polnoreal－uplatition．The tlew of mine i－



 lint in wempal the sumptom－are rathol vatiolite．










 i－whw





















 dition leading th it is stome in the hinhoy ar

 1）ABETE．
 ther patside of a stone from the hishers to the

 －
 freventing the dinchare of minn from that halnes．

 Whas the stome remains in the kinnag hand nemoralls appar：from time to time in tho mine Fand thete i－fer－ivent bain in the loin．otan







 ratieved the－ymporma，wen whon mos stome lats

 either atrmphas or heromes comverted buta a hate saceontaming thid．The remaming hinney




 from dixpare of the lower minary paribom（hituhlar


 of hembitul onsts．Jint mane ai the ex combition－are



 elomeated that it can mose almot in the almhominal








 calcitr．Which ate eqhanmon in the＇sfond rlay in








 domms ralls．＇I＇he moly liritioh verome is the







 Whe the leave, and conspiensus limets that : womplay the thower-heals.

## Kidrofr. se Kenmos.

Kiefl, one of the blict towne of linsiat and




 polity, and remainel an motil thas. Hore in !ss Chrialinity was lime prowhed in lanom hyst Vandmir: and ever sum that atate kiofl hats bern one wi the chiaf eredratatical ami intellectual contwe of lim-ial. The town was captured and
 manamel in their hamb for cinhy gary from
 then of Ioham lown to leist, in wheh year it was


 of the Dacerer ly a finn suopensim lringe, built in lsil. The mox notable intitution in the town
 sicited by more that is quarter of a million pil.
 at number of aves, rontainine tombs of the ehati sitint- of the lawian thmels. The catherlmal of st siphia, eraeted in las: on the got where

 nitieent altar, omamented with leantiml momion: the interion of the eathodral mamblas a later. rinth. The whbedrat dhurly of the Jomandion
 Com-tamimple ath has at leantiful bulfry with it






 The industry is mimpontant, esopt tommer and the manaficture of was camblo, Comsilemahte


 The furtese of Kiedf, herum lay Peere the Comat
 a cummatulines site on the right batuls of the














 of millile litacit.










 to andhur chas 19 the town. It i- he hampaters of the German biatio Sua navy, and hav inmprial
 matal matme stores. at hatal madomy, a maxal

 prit. owne $1,100,041$ tons of methatise parsinge in :und out ammally. The chief pat of its trate is Caried on with the tow of of hmath and sweden:



 yamb, com-mills. hrowers, and cahnet-mahers' wonks. Kiel is the rat of a miverity, founded in
 las? it hand sis proferons and tuathers and 463 students. The restle, latilt in the lathe century


 The 'Thandow Dhormu contain-Slenwick-Julatein






 Diisternhank: the litter has hematime promenades.
 in lxt the reaty intwern Demark, Swoden, :und Enelaml, be which 'weden exchanged Pomermia for Xomas.





 Tirs establi-holl hio remation an a matimaker ly proming in aron wation with litter the Athes of
 1s50). Theratter he same his time and emergy to
 Wrient in : modent thes. his hest hown works in





























thene he juined wit and a bow of ithey and parat

 his lant yatro he mate a lifter attack on the








 of the palice hareh af ladebanh，whompynation


## Killurn，Sew kismotis．








 and the sal wery ponhetion．A weat purtion of
 phan wi trabas．In the mothem pant there is a

 dilew of dre ermal．From thin here rives the






 triet－we the vallog－of the Liftor and the treese．


 row．The lingal amal anomine bubin with
 How Citam Canal tracero the wallo of the Lifley
 of Kiblare，an mblatation plata of hight areat frace rovering alwht sum anter：a portion of at
 partion in the currabl Catab kilhate return





 where．There ate maneron－－fulthas montm





















 athemph histmically one of the bunt imemetins


 manderel he the inangent－l＇rine to the lonom it rotured two memanio in the lifle palianme．


Kilia．at coma in the putions of limamahia
 ou the mothera hank of the Kilia hand of the


 hamberl hey the allied thee in oluly hait．



 for whomong hix marras will gatia．lin



 and the rata－just whan the morthom limit of the





 fret alume reateral it crater is fioll fett deep


 Thee crater ribs of luth peali－is comenel with a





 or Tal sy．m．Thie popartion of lay is smatl，
 the rlimate is dry，salubninus．and trantatio． Fiantam is mation here that in the lat of







 elovation．In the noth there in and her hilly：

 tom fur amman，af hene than on hati the ：thmat


















Fillomb，athematy pat of the himetom of
O. in lebor, atod dmrime the lemotiation wat hedi ly the Hrioh for damme II. It wan make ant Ean-










 1-2? , and of which the towne are -fll standing. The rate of bummere, hetween kilkenay abil
 foret hish, in momb on it- lntintiful stallatitu




 (15.il).

Eillernny. the capital of the combty wit that



 time it wat the eeat of hasy limen amb wemllen
 It is till, hownor, ilar reator of it comshlathar


 tomblommo athl other porpmos. 'lhe mathe is





 'plite rlome to the sonth trametle are the be
 arowintionl remain are the prowhory of st





























 the contomtims of killamms and Jikhtomal in the



 of ('mb, and l! mila fom the lower Killame lake. Its importane depermbe on the eponds of iomrints
 las been patetically belmilh, amd mom pravesess






 Enolo. 'Theme is a mall trale in makiny fander
 the woth of the arlutas, whirli frome in the intamio. 1 bu the shemen of the lakes ase mathe-
 Whits, and hown-athl aloo sumbe ohl copperminme Noar the town is the seat of the latil of
 ances, in ammedion with evjetions, during the


Killallory, LAKEN or, arm a smben uf three comberterl heet- of wathe, the lowermost of which is withan ! mila sf lhe toma of killantey.




 to summit. Irthing Vommg called thase which - H1" monntainm that ran las imanimed," amil satid that




 mivture of the lerintiful amil -nlinan: The lower






 cemtury The mipel late powes amme 430 ateres,

 fing the Mriver with the lower and midnle lakes is



 Bntwernthe low er and the mindle likher is the line
 "ath in lato. I peroli:nits af the semery is the

 :


 of brankwh. It is batereed in Warke direat

 (. (rorl).









 he－t epriaph





 sieye of lithm．

 Here in the layat llapital for the repptiom of




 －the traty of Kilmainham，playel a pmanemt

 Glantome and $\mathrm{Mr}_{\mathrm{t}}$ l＇amell（thon in kilmanham

 tiom that a lewitatise namand atherting the land Act fif lal wa intrulnemb int parliansmt．
Eilmartork．the lamet town in Wraim


 uf my little Emin from tho dedication of it－






 alan mantiatural：and the filatow and sumb．



























 ＊













 here in lasa，miximation in the prembine of W． 1 ．


Kilt．Sew Hamand Costrat．
Kilwar．Sen ！romad．


 fromber in the loth and demolishere in the lith
 ＂lan is said to hater fommed it chatrh here abme －1．5．The traditiomal linthplate of Fremasomery （1f．r．）in scotland．Kilumming has alan latil
 at the frninjay，piaced an the stempe por for







Gimberley．capial amb dief town of thigna hand Wien．Smblh Jiriea，the mont imputant inland

 nome than half mation．The hithol hase was first buisted at Kimbenley in Nomember 1sit：hat



 com tue wainel，fortile．The want il the toma


 On the outlorals of the＇Tianciad way it was in


 －itnelion is farmablate th forther formpmemt．













































 Hot.

Kinnolnlls. at town of W:allichia, stamd





Kin. Nexr af. Whan a jermon diew intentato his roal probraty donolves aromeline to English

 of himberd are diviled iuta linalal and collatomal.












 cullatmats it comoted the sman hi the dewite from


 fathor, and one from the father to the limother ;



 hintred has lurent alogned in the law of Encoland :and lulami.


 te almininter the miatr, of to bake ont lettere of
























 while also tathe the shate of their parent. If laere
 in the whols. If heralso is onebl, them the mother :and the living lorethrsand-intor (lowether with the
 take rach obe shate. Siter thes are dead, then srambiathers and erandmothors, patmmal and matemal, and nophews and niores. if alive. talie
 right of the chibhrot of a hewabed person buing abre of a clam (atol whe, if aline, would have heen

 and sisters, hat muther. The lacireat law is one of the mext of Kin, ami dakes his share of the Mr'Tlar hatif bloml combts ammor the next of lin - yually with the whale hlood: malas are not preiorrod to irmales: and the rula of primogeninure


In Seothand thernde of priority among the next of hin vary onsidembly from the alwo order, which prevail in Jinalanid and reland. The ehil-


 nest of kin-and the gevilt is oftern different from What ohatins in Englamd. Doreowry, in Seotland, thomeh the heir aldat may hr one of the next of him, still he is mot rotitleel 10 tabse such share

 cmatod in "varcly the sillow wisy. The father never ran bah more than onm lati, mon the mother




 Somfli I.cur.
Kinaballn. सuelinsiven.



 -17


 fortifo:ations were 1:1sed in lwit.
 than ronnty of sumbanl. will Ahordernshe and




 ane in matsation, and $2: 3,1-3$ in worl. The connty


















entronehment -remingly ont the lomman methoml. in









 fent in altitule.





 amd tramine given in the ordinars intant-meloon, and with thas fact that the lowins insinet of the mothor pomained merely an instimet. which re quined for the tramines of the rhild thumbtat Eriblamo am! himetion. Ihe saw that the teaching in the infont sillond was tu a lator extent trati. tional: that the selectinn of shloberts and exer-





 therefore set 10 worh to shty the witys and domes of infants fiom their hirth, ami tio note down $\rightarrow$ -
 at rem -tare ni their wintane to prefer. He


 is thin raw material amb the ampernomet that is
 emmert all his inctrotion with thome and eratt



 For the chitds mint spmothami-ly th whe mpon: and ( 1 ) thit in the frambtation it thetio materiat.
































 chill is bot formht, hat led lis a sot wi molomed ex-









 af hambedie. heanty and suedoty The pros resw, like the procese of Sitame i- slow, trampmil.
 umbure. Thar child sees, imitates, or repromes atal insuat- new forms: these are tha there stops
 dinciples erive to it the name of The Ner Eblu"thert.
Tlot sy-tem hat made wreat way in Amorical and

 ami worker in relneation. 'The Lambon amd bir-

 lises.

The hast Emold lumbs as yet on the subject are Lamrie's








Hinderesont Grit. namberiven th the enarse

 +1" - Stritus. The wok form- the tathetand of




## 

## Kindly Trumint. See bumber.

Kincminties i - theremed whimetherate of fine motim. It fusalves the fimatamental comerolions

 ital pmolden dmaliner with motions that mist in

 lint intance on it- Kimelnatioal side. Thas, to

























 moldo so that in the Kimpmatien of mathimaty we














 amb the tomatation -ime. 'bolomging to. Ilane

 WEDF for the relation of King to perphe in blitam.
 for the gesition of kinges in other romotrise, sese















 - Dmandar. J lam" "onsex ratimons
 faral :thal tharan, a Hattry hryationtal] - hiald Frolowets llar आयlantern, While a

 "lyere : twe twelle baid of alymparme

 uif the thomth, fix:

 10mble low montio


 laph lina gain of thatrond allulanimal


 (a) Mrebra hamon









fathome, where 1 later somatimen swint sowly about or more foymently man their wily in the mata


romstas for the mand part of marine womme which are slobed into the lomith anlal there rembled. limmins i* revtricted to the warlol coants
 modnormomes) and the rint of

 in sumasole stata, lint tha allind liedimaridir. roperented by Xerlimula in the lijer Silmain ind by other wemerat of later date wem ter limk the

lias. 2. - Vmum King. crab. junt hatched (greatly endarged). kibseralos to the inn intat Trilohites. In sume of the Tumatn isfands the -


 Xiaii. s.iv.
 Brilih and limmpent hide, in the waler of pies

 incles in lonoth form the tip of the lacils to the and of the tial. it is remereal enmpionoms by the

 is sly and wars and the powedf! wings aro used
 hill is large and stronos thor loge the soot and


 thamatomat limogne: and in britain is most ath lantor in ther monh of Eingland. 'The' ary is fatint but Naill, lika to ti wers wroted. Thar hing-
















mont parts of the word．The pied himplisher of India and Sirica（Coryle rulis）and the luftend
 emmen forms．$A$ sub fanily（Dacelonina in

 jarkases of Australia（laceloy ate notable repré sentations．
The kinglisher in the whe haterem，＇whene deat


 move that one reference．With the haleyon the imughation of the angents payd hansh，for to them the hind wan Aleyone the dangher of Fohns and wife of the king of Tradho，the som of the momine atar，who bumming in her sontla for her lout hatham，wan wimg by disine fuwer，amd now flim owe the nit，reeking lim whom she cmald



 for whe it is makine its apet，all the worl has the hatpo dis．which it call－hatermida，mand

 Shane ahmat the tarn of the year in winter，when Zen－Gise the wialon of calla tor forteen dis． Then tha peenp of the land call it the home of wind－hilines，the sarem auree of the suotted

 Shot：aml llatros llis．

Kins Georeres Sommd，an inlet ismiles merth
 angle of Went Australia，whel is an wetellent


 for mail－teamers．Thae fortilication of the－mand
 atuthritien，amb an imprial nasal dequit has been


Kimelorma a reat harglo of fife on the Firth of Forth．$: 3$ milon $\therefore$ ．of kirkeraley lag rail．It haw
 Hax and whe，and and link－Vlexanter IIl．wis



Kinglake．Ilexisimer Whatur，hintorian，
 anl wia ellucated at Etom aml Trinity Collow．

 pratione that he retired from the proferion in
 politio．lie hat already pmblisheal，in ath， fouthon，a work of gaterin trabel，writuen in at grathie and puetie vein，set with great truthoul－






 to the：＂rimat，where her hat erary fiwility for
 return he mallotark the defence of the líriti－h



 narrative of the war：bit from tho literats puint of siew ophimen in protically matumon－thet it is ons of the dinmat li－turimat work－of the lath
＂entury The criticion of Sapulem 111 and the secomb rmpate wa－an－rathing that the work gave weat whe at the＇Thilerio．and its rivena tion win prolilsital in frame durine the limpin：
 actors in the war，and arcisimally with－urmo．

 ＊trugete with linsia．In late hinglake was dran

 Shand prelixed to the new edition of Eathon（la！mo）．

Kinglet．see Golnex－chatras Whas．
 in the bugli－h Authorisel Fersom tuled \％，
 Powli of himes anil The siment boull of himes．
 the atherent hablinical enumeration，impliod in ．Jotphan and followel in the l＇enhin amd lin
 nued me，ranking fomrtl and lat in the serion of the＇earlier proplet．＇（after Johna，olwhen，amb
 Siftubint translation，whare thay are calloe the third imel fourth af the kinglome（Iasciletem．
 litet and secomd．This division wa eopied liy the Fulgrate，whence it pared into the＇emminm＂ asage of chri－tendom．The separation holmeen Sinmel and linge is itnelf not onymal for the first two elaplero of hins－s concluthere the life of
 ly the sume hanl．The hoke of king an we mow have then arm evidently a compilation and carefal examination show that thes hate preet throma mone thath one redaction．ln their compoition at least fomr elemente can be distingui－liend：（1）ha 1 kings，xi．41，reference in mate to the look of the act－（clrmacle ）of solomon．ant for the reigns．of subequent king there is vers frepuent mentima ai－the lank of the chromiclen of the kins af Jndah，and of a curremponding lumk of the hing－ of larat．The exact hature of thene ehmaide－ cannot buw be determinesl ；but the problability is that they were hemselse compilation，chictly diserts if a statistical and amallistie whatater．
 book．（ 2 ）The oflicial recorts of the tomphe at
 have leen diactly or intirectly the some of muth of the information riven ahout the worlap there，expecially mader the reigus of solomom， Duash，Ahaz，and Josiah．（i）The hook owes most of its isidness and ficturevplutuen tumate． rials drived from a series of undlicial hatratisus， having their arigin chietly in the nothem kincrlon，and in which the acte of the frophets
 in particular the himory of Dhigah（i Kines，


 Sulala（ 1 kims，xiii），for the semthem．（t）The





 This is lome in the rinit of the lantermomai－
 therfore that the main oreaction dal mot tahe phare till aftor the wommation of Jomata．Ther

 date：than the fith of the kingiom of dublat：hat
evidence of a later fen is fomm in 2 Kings, xaia

 of the wile. lanuertant sariations (exurially in the remion of rather disemmeted moter whind fom
 the exitims Helmey text and wat whin mont
 the lunk was still in a sompolat duid state at a vers much lator liate.
 in the fourth chition of Bleck's Sinh etund (1578), reo




 mentumbel.

King's follewe. Lomhn, ath institution ad-


 - that introction in the Chri-tian religion onght to form an imiligencalle part of evers sortem of general whatimen the fonth of athrian comnumity: The collese heing atricty in combection with ihe ("hareh of England, Bivinity lecturo are



 a mboll of fine art, and at heprament for the pre-

 of sixtern, hat there is a selowl (1430) for lurs in comasetion with the colla, we, with workholin her merhamical mathine. There is at hamehat kinsingtom for the hisher eqhation of lanli-a: alan


 ,if the willame. wee the Celdurution of the C'inlty, Jubilic (lanl).

 hern apmontal ley letoropatemt. The alliw is entioly bumary, lat it öves a richt ut peandienee in all ilw comrta, awording to the date of apmintment. The ilpmintment partically
 tithe, Whey are not porented from boing retaned






 Giace of diagrofol wimber the lettere patent are






 - Taking -ills in faturnty injuim- bather than






 of his rimuit, to "aphly for silk,' hio damamis


 indeed, wan delarmed fur come rears from what war in hic cane a pofeminal rishat ly the permal antipathy of tame $\mathbb{N}$ : ambl Lad Elanh, and it
 hearg famins, that lowgham reveised at patent
 ham all the profomimal indantases withom the atenal title. lion thio in atriking and ahmer a solitary execption. Of late rears colomial lamisters have lecen gratifed with the tith of
 on reprementation made lay the gomor of the colony thongh be stavenary of state.

Gindes Connoly an indand comaty of Protand, in Leinter, is bumided on the 15 . De the Shamom, which separato it from linecommon and talwat:





 total area was avered with has, indmding a large phot of the bug of Aller. The papulation has



 humblars. 'Tha- mil, a light lean of meelimu depth, reting on limestome grave is of arerage fertility. The (imand thal thaveres the mortharn jurtiani of the comaty, anil joins the ihatmon. The river baraw reparates it froms gacen's Comaty an thematheat. King - Combty, comtitntel a shire in lost, and named in hathor of Kin:- Philip, retmes two members. lathe north-
 of tho mon intoresting eeclesiastical mins in lre-


 (23日) 。

## 



## Killers Livil. Seesmortab.





 optime in mathemation-and was immeliately
 it which parioh he became metur in ing. Theve hee liven for the remathder of hiv life hatiner













 the peophe is alsi-wotatio, wot democratio, whene







fews han！montiful the times．Fion two or them wate previnu－to the futhleation of thane monel Kimelay hat thenw hamodi with atl the atrome of
 seheme for the improvernt of the rombition，
 a subject of whith we all hoar at enom deal at the present day．hat whith was somewhat strange in istt．In this wouk he wit amoriated with $\mathrm{H}_{\mathrm{t}}$ Samice．the rempaisal leater of the momement






 phibonder at Mexambia in the beximine of the oth centing．Wiatiretel／lo：followed in some atnl the preaphanent of Filizahothen England and the Spanis Main，of bevm－hime wothins and their Spaniol farmen，is as lifoliker as anything to lee fomme in the white rane of rmantic literature．
 froe athl，bike the athor himedi．at once atrons
 with a mater ham the Xowh lewom semers


 of tietion to at elowe．In lation the umivarity uf

 his mangral feotnme was phlishom at the emd of that seat under tha tithe of The Limifs of

 latise leranm
 was apminted a ramon thester：and in 15 at he













 samed intomation，at hen wit，aml atmits．．ate






 millian wowe－d川．









 of life i－at moble and at lotalty enar ；hiv buthe． whinh－tam litthe shill in the montaction of the phota，comatan math that in pathotio．＂ithont ath ting uf antimentalim．His－1ylo is rathon


## 

 liente．
## 

Kingsmill Isimals，another name for the （iillury lakums（4．v．）

## 

 たいな）．
 and at the month ui the＇atamarni（＇revk， 161 milen
 handanme pholice luidinex．and is the anat of the
 （nivensity（Natl），with murams and an olsoma tury，and of the loyal Conlege of Phariman and

 ohlome and at collonate and maning instman fon

 tho hit Lawroce，and the Lidean＇＇anal，which lan


 fartorien of lomomotive and stathary ramer． mathimer，leather，howts and hore，ariculamal implemerno，worlen wares．Abs limat Allent and Gemge Jomanew are both kingon mon．Kinston is the abit of an Amplicin hioluy ame of a haman


 14，0901：（ $1 \times 91$ ）19，2044．
 of Jamarit lag．．），sambe on the burth singe of a
 for its is，ghe of the lees in the woll．ling．
 the meinhmmin！－town uf lont layal han been

 lipeattlo of its moble havers：Whate with Apani－h


 sat of


 well drained．hat the hathome is dildas．With：











 milons．of thatme it is atailwas amd bathal ury








## 








 ：ucos to Lombon，compleal with its finilitien lom





 lhar gati－h ehmell，of which $W$ illiam tine the bis－






 as trombed ort the commation－stome still stambin！
 the town it，lirst ehater，win at frament visitor in！low l5；in lobt，dminer the civil war with －insam de Jomtfort．Kinertaric（iastle（of which na


 the lan tiohe heotwern the rasaliots atml homme hrath，when Lart Ilollaml amb the loka of lackingham ware alefeated．It Ham lommon


 witer bi logs staries，wan bati in lamblan，ジロth loblmary laly．Ili father was a merolatht in

 －taties and al lomk of larthemon travel，when in laid lae fombl the work of hi－lior in the immerliate
 buriner the most thirty vars hes published more
 he；althy in fant：fall of linime alventurso hair－


 any fonm wi laman hemism，and the simple and


 photurial imanimatom whath mather him tor latow



 Kiomontorn an wotive interrat in many philath．
 ani－ted emigmatim．Ile wan knimhtal by the


 Inve．


 When the harbmar work－wete commermed，it wan







 ： the Ahmimalty in lant at a cont to the imperial


length：the west，innof feet，enclosing an areat of wer ${ }^{-50} 0$ icres，with a depth uf from 13 to $2-$ feet．
 side the＇fraty at any otate of the lide．Kingstown in within the pribmentary divisime of somela


Kingstown．rapital of the leritind ishand of kit Vineent，in the Weent larlies，stands it the south－ wras extemity of the ishand，an at hate hay，at the fiont of one of the spurs of Whant St Sndrew（about 200t feet）．Jop．isth．


 fleon the eant．I＇og． $500,0000$.

Kinser Willianmstown，capital of a division of the sime natme on the linliaho liver，in the ste．of

 ciant．It hase ens inderable trabe，military harrabks

 ruped of the grong Aretuidea，and allied to the rateonor and coatis．It has sis incinors，one canine
 monats tulerealons．The kinkajou is larger than a
 feeden on fraits，homes．Ne．，as well as on small animalls．It is a mative or the wam parto of Americia，from central Mexion to the lion Xego of lirasil．It used to be elasoilied with the lemmes，to whiclo it loars mot a litte resemblanee，partiendarly in it－halit ui sitting on its limequaters and feed． ing itself with it．lamols．Sir R．Owen Wats ont of the tirst to show that here appearaners are decep－ tive and that the aminal is a tore carnivare．

Kinkel．JaHan：（inrtelits．u，a（immath peet anm writer，wat lana at olurkassel，near bionn，

 wamben fandis and the himary of art，at the ani－ veraty of lionm．Jint．lacombiner inwolved in the rebohitionsary movement of lats，lue was imprisonem

 suttling in landor，he eamed hiolising lw teathing
 fromor of Areharohisy and Irt at Karich．There he lied．listh November Iss：．IV a pret Kinkel＇s












 Soli mosel，Mans Locles in Lomulum（I560）．






 the shope It is in small anombar oflintening frare


 tantr．limeal kime in amilar antringent shb．


Pontany lhay kinn is the probluce of Emoluptus resinifers. The astringency of kinn is due to tanmin and procatechin. It is employed in rertain forms of diarrluea as comp,nul him, pmedry (with opinm and cimanon). Tle fintom of ken fomm a grond elrele for the urbla Kinn serves in halia as: yellowi-h-hrown cothon dye.

Einross-shife, the smallent seotels emme after Plackmannanhire, life hetwen probliwhe

 water. Dose of thee ilrainage helomere to Loch Leven (If.e.) from which the shface rises to
 comoty-ime lese and eadier. Kinmondire nnitus with 'lankmamanshime to retmrn one mewher to
 6is?: (1891) aftor aljustment of areas with berth


 Mackay: Fiff tom Kimmess shere (1s!日).

Kinsalde a manicibal horough ame reaport of Commer Com, at the lipal of Kimale llarhmor, Which in fumbed hy the wathay of the river bandon.






 ward into the dhatio, stand a lighhome whome




 July limis. In the following encturev the furt was captured hy Mathmoms.

 betwen the ithatic amm the Fiath in 'lyone, extenting 42 mile wath ly wotwand, athl 41 th $11 \frac{1}{2}$ mita hanal. It the momh forl it combert with the mamand by the i-thme of Tarthert, 1:









 (ther Ef:







 anl Shiphes, and of pathy binte and pre Refonmat
 Wofore en hintyer (1-T:

## 









"ramp," henne the woml Hew, on the Volsat. They
 They eanie inte entact with the coltured penple- of the west and whith. The linden Ibwhe and the


 of the frament- wend forme the thall hamatw of
 were eventually alwntwed ly liu-ia. Ther momen desermants of the wentern kipulak- are tha Tar-

 drake are the Kirehiz (y.e.) of whon then ham the mithle one is till ralled Kigetrak. Howarth. History of the 1 lempols (latol.


 uf hat at Latme in the lomjah. himetif the anther
 "alumand at Wretwand 1 lo and flewhere in Eure

 jomemals. making his literary delout at Labme in int (in Erhems). Dint it wa hey his Jopentmentel


 land. and yrang at one into the fromt rank iof


 an the beel- of suldues There and like it formol


 harthy ar -ncemoful, was the hinger tale. The litight









 loe lived mainly in the laited stater.
Firom the lirst lis skethes of tho shares and
 amb the mone materioms and minatian life of the rative, wern frit equally to "polpatate will
 hand how lallat of the minds and hatan alibe in







 ath that tow many of bath hia ment and women



 the :- wathe and the combe are combined with the
 innitable fongl Joun (isat) wat followiol be a







## KIRKCALDY






 Indelidere and mated the low mition of the
 17：！！：）





 sumedk parialo of latham，wher he died，duly 4 ， 15ino．Ilis principal works are Momotrophert Apum Amplied（luwich，lyoz），and Introdimtion to Einto molen！（ 4 whs． $1 \times 15$ 2bi），the latter written com－ gamily witlotrerere．＇The tirst was very folvor－ ably rerdum luth at home and almoant，and at anere

 the form of betters（lifty－mo in momher），wivine a



 lix miving the hi－tory of the lumk．Kithe alen matributad a varioty of very impordant antoma－
 greatest dixamery in this degertmont of sporme is
 of insonts．lisimg in the larva state paranitionlly in

 vfints of Amimets（ $1 \times 8 . i$ ）．Kirloy was one of the tirst members of the limanan horety（fombled in
 Sucioty，and Fellow of the linsal ami（ienologial suciptios．tre the life low the lins．John freman 1ぶった。




 （7），herame promenar in larlin laversity in Jsit．






 the Syr latiar，and Aral aml（＇aspian hass．A few








 live ferd high．It almonds in hate atod matione


 a＇lowhinh race，and swak a spatate dialowt of

 amb Little Morths．＇Ihee lien of these wathare in the sonth－wnt pertion of the lim－sith velpere





 Lathe latkhanh，Khokimul，and the twritory of the litale llorde：amb atsa a gratil jurtion of the Rassian moviner uf sempalatinsk．lansuin has
 arhievel by the viotory orer khlara in 18．3，and the lmmation of the new movime of Amm－litia． ＇The Little Jomio（now mane manrome than the

 amb Jubsestan．Like the Jibllle Jomelo，thes are

 partly momal．A matl ollanot of tha little Homde has，since Isol，watmioged betworn the Giblatatad the I ral Liver，ami ubal to he umder ther rule of the gevamor of dabahban．

The total mumber of tho Kirghiz Kiazals amoments
 timms whon melnclied and bumontralled ther mover from one rad al ctutial Ana to the other． ＇The Kirghis ate noterl for theis mbomaliod love
 monade they hatw mained mon of the ehamenter i－tion of their rarne they still eling totheir ancient lathit amb chamme amd J－lam has never taken a time halal ont them．Sinere the sulamession of
 spirit，althong lany still abhor sulentary life amd
 culture lasaian achomb in lhe sleples bave hillemto vainly strisen to thatoform these in－ retomte momats．

 pappe living montly in the mombtans la ween the
 the eratern frontion of Ferghanat to tha Nazart， are the ohlest Tombinh momala of histurical reeorit． Thes ate diviley ints（that and Sol（right and left Winpe），ami into the sulnlivisims of shtt，Sari－ bacioh，amil sajals．Their total mamber amomats

 Kivehis las retaimed more of the ：motent chatacter than that of the Kimeriz Kazalss，anal their epic pottry is parianlaly interesting．Sw－N．N． （ablihwo：thold illsitrater linsian work on the Kirghi\％amd Kata Kimhio of the Province of the


Kirin．＂ipital of the prowinco of kirin，in Man－




 low lating the subarlan of Limblown and Newtown







 in Is！o for the monstmetion of ：an entirtly new

 Wrowing linely yarm，wheh are oxtensitely carried


 ＇There are also several potarites．The mamafacture ai doweloth and limolenm has bean developed into a exreat trata，amb kirkealdy is the ehbef seat of
this rrowimer aml imphtant monntathore Them








Kirkaladbrisht．STAW Willis wF，acomoty of






 （2；6t），Lhe luitiest smmat in the－math of seot． bank．Than rome ate mainly shminn，with intro－
 varion－ly＂xtmmby fertile and estmon？latren．

 hand etiental vace the fimmation in kat ot the







 maler fionsow is ：ammor it－worthipe have hero Sammol lenthaforl，lamb Joney．Thomas liown，




 situateas on thas lofit hamb of the leve，which
 opening into the sulwaty liztlos suis below．






 lellan of lamaloe in lonestill haminate the town





 which have hown fombl in it．It was disooveren

 by bucklanl，and fully deacritued loy lim in his
 feet．and its hainht is so ineomsubmate that there




 from the ronf．The rematime ut the fullowine

 homas，ox，doerr，hare，rablit，water－ritt，raverb， picromin，latk，athel lurk．




 uickname，＇kiake＇s lambin，＇a bywnl for cruelts．

Kirke early dometrel to Wilhanis sile，and hoblal to raise the fity of lambundery．



 （15： 1 ）4103．
Kirkintillorla，a town in Dambatomather （Wetached），on the Furth and Clyblo（＇anal．it milo

 －trene fort on－Antominus W：ali．Which hate boft






Kirk－Kilisuia（the＇futy ehmmen＇）a won of Tarkers lot mifes NW，of（＇m－tantimple，with which it has a haisk trade in butter amat weene．
 Whon two－thinl－ate bulgarians．

Lifleseswon，the lownt comet in lawhemian







 wick in the satue neinh harlumel in 1187．Dint five yearm later moved t＂its jument site，the ablum i－mainly Tramition Norman and lerpuhicular in stule．The ehurche io．Sike mant liotercian ehorehes，lons and nares，with lithle manmenta－ tion，and a low there．The allwy was premed to the town la fomel Nuth in luta．
Kirkwall．the capalat of Mrate ，om the eant

 Bat日）is：atatcly concifomb pite，mixed Nomath














 ins．It is the histlpisee of d．N1．liande，and the ＂Thrmas＇of hix starico．l＇op．（1891 4179 ．

Kirs－lwisore（lims，（dary water）is a higheur mata from eherrion，and highly ratemond in fintuans．Tho elemion，wathered when ynite ripe，and freme trom thatir stalk，atre fumblad in a
 hroken．Thes awe thon loft to forment，ath bhen fertuentation ha hayn the mas is stimed two of these time is hay．The stomes are stowwath hookn，and the kermels hawed and throw in．






 amd famingr He wahlinhed his famm hex at collection of lyries-hinhes work-untiterl /finifys Lomes (180) - ), whel meated evtromelinaty an-


 hat less smoresinlly: his bese dramas are doher
 one of the fommers of the llamsumat heatemy of
 the advamernmat of the literary and intellectual life of llangity. Hedied at stamme somb hetober

 athed in l-ã.
 of the promedins, and regeneratom of the national dramat of llamgirs, wat home at Tet. in the


 proarions lis.lihome as an amatom attint, mutil in

 lowed lys ueweral bthera, all dralinge with the part history of hiv comatry and lis comedits hased man pubmbar lifes the beot of them The sturlent Muthomes.
 went an. Ihedied at leoth, olnt Nomember ls 30 .


 1s:3, hav rembered innortant arviees to Innmatian liturature.





 properits. The olit of lower town alomionan










 the entrande th the lomian dinlf. It is in miles

 atl that the island sidhls. J'ops. 5000 . The islame

 limelos.

## 

Kisc. a damilar fom of sahtatim hy fomrhime













 ent of the lath rentory the kias of peame in the

Weat gate way to the enstuletorimm, (alled also the





 ther hishory to at prose at his malination : and ther dreeks abll promere the rite of wimer the lise of [ratere to the deand.

Phe Christians early adoptod the pratioe uf liswing the altar as a mark of reveroune to the flame ma whill the emelnatist is othored, and the atherating priast will dows so repoatedly in the lioman mass. It is manal also on hive theronden rome of the sambal on the pergex rimht funt un his apmontmont to ablice, ly menly-4ated radinats and by frovas on being wratiol an andinite. biven rosal persons in former times palil has atet of lomane to the Viear of flarict : it is sable that 1 bames $\overline{\mathrm{I}}$, Was the last that dide su.





Kissingent the most pumbar watering hate in laviaria, is situated on the sata, bat miles li. hy X. from Frankfort-on- Main. (oi its there mineral and the l'amme formish saline amb rhalynate wather. while the llanbrmmen is aridulois amd

 "atly hay the acemmatation and dinelather of "ar-
 - $\quad$ diane lotar the town, and in the same salley the

 the pationte, amd are mosidemed sumbially elleat cions in catses of liselepman, stin dineames, allections
 pumbation (f102t) is incramal hy an innlux of

 Wan kown ackaty an the ! mhatery, it was mot
 womaisel, and not motil the beth that 1 lue xpings rame to la in :






 rime in the Wistorn dihat wilhin fly milos of the










## 






 and sempotary : amb, mot to mention makm atm

 flolial its mame from havime med for sone time



 hit－cat is any portrait of tíat－i／e－almut ais in． やがご。

Kitolicrors．Ilemablat．Lurn，vi khatomm










 2．










































## Kittiwake，see litu．


 Wecember t．Ivit．In hix twolfth yent las lan hiv

 at this time so wretelmed that foumar kittu wit －ann after sent to the workhous．Wheme le latimen

 him in hin literare anprations：and in Ing lan

 collene at l－linstom，whore leatmed printing．in
 a fomr to the East，vi－itiner in the comme of his
 Ammeria，and leraia．Thom rout of his lite wat













 on him the titho of I）．W．Kitto lat a workin：

 liylamellati）．



Kinnserltow，clifet city of llaman（1）V．
Riwi．See Irtehry．
 いば，ドいいふ。

## Kíil－limak．see I－f Ifsmi：





















## 














 athl shilind memeral of ble lhamation wat．was
 （1）the rank uf lisutpmanteremeral in tho du－trian
 himele at the sersior of the llungratian govern－ mont，ald fowk apomanent part in moarly all the
 Angant：int more than one the fortare of the dis


 －ome work atter all the reat of llamgary harl shtr－ mitterl．Ifo liserl in exile nutil the ammesty of



 sertien of Jlempirs（lain and Invi）．



 taking the etmiy of flomenp in lvon lat was










 hat the theit ermition and reuturacis his virnlent









 town frememars the mational mandim，with anti－














 －Hr－Jithe work




 obtainorl hime atmmination to the military－elome


a few years，amb rethmed to framee to heenme



 Warr．Hot watw reatleal for adromatimg mone lenient





 of division．was latuseround womblal it the



 Klebers，wha comelusted a eombention with fom－
 Allminal keitlis rofunal to ratify this moncotion

 linlis．During an attompl to conchato at traty with the Turk kilaly was arsacinatoll ly a



## 

 was lunt iat Keblin，now Kimin in Pommania，on
 inducenl him to enter the lrmainn abme：le was sevarly wommind whilst latalimer ath attack on a lustida hattery at the hatile of kinmoshogi，and
 Frankfort－wnthedoles．The lyrie peret liboim liret





 （Inst）．See Life loy Vinbeck（IN6l）．

Eldist．Hensiacti vos，Gemman lramatist and
 Brtober l－：－At tiat he followed the family

 literature．is a where his aims and desires ont－
 hy want＂f aldantso and artiotie complatenes： in fate be has some of that whst fathlta of the liomantic achmal，to which ho lielomars．Noverthe－ less，hin best jlays，such an lor Prinz ran IIom－

 romt vigom atmi lidelity to life to make them fermbar exem at the perentat alay．Thee bust of his




 first mootinge a woman whom lav loverla amo who like him win wrasy of lifo，an tha hamk of Lake


 in 」－20


 the phemomonat of certatim minds that are mot re－

 （1）losam．All youmer children draire amb will at
 anchimpulas do not interfere with the rights ant
 law，flos ate rembly ahmitere as an indieation of
 may halp to connign the indis dhal（on ath ：lsy lom or
 arer the amonnt of the alijert apprapriated．of the cimematances under which it is madnincul．Hing the matter into a enort of law．the sht in treated ：A a thoft．Suek comblate is ofter the result of disedate ：it is rarely a disome be itself．The in－

 symptom of many others，where siohencer，or de－
 －ombe fram whal it－mines．Pat there are other caves in which the morbid arimin eamot lue so \＆－laty demomotraterl where the mind is clear and conent，the monal pmre，and wher theft is almost the maly prone of insanity．＇There is evilence in favonr of the arinion that the funmensty to steal mily heorme soimesistible，athl the will so impotent． that the apmonriation is inmontars，and the propetathr irrespm－ible．It then corms ones of the variotio－uf imanity ase the artiels INainity eharactorimed ha defoctibe inhibition．The sratition－
 with phyoionl ehamges and conditions which may be regatilen as incompatible with the healthy dis． chares of the functions of the nervous sstem： bat that comaertion is not invarialfe．amel the hest mode of extablishimer the reablity of such it di－eate is to eon－isler markml asme an relation to the ＂laracter，interesta，and previnss shentment of the indivilual，to the natmon of the articher taken， and tor ile mantisen．A heromet uf larop fortune


 lamblem－of oophen of the libles．The chbects arn after－fohn wlentatiously．ol withunt ally mbe quate preantiom 10 comanoal the attempt ；they aro wfth uf no valbo：the atot is withont motive， prompty ant－puntanemsly anmel，and，if ofer－ lowked．reparatal．The artiolw aryuired is restored． or blinereratrond：amb althonth money is rately
 eveiteraplility．

See Bucknill and Tuke．Iomphomionl Medirime（1siz）；

 the Jukn river in the amadian dialrict uf Sukon． separaterl from the North．West Territomers in 14.5 ．


 mining was beiner eamiol on on tha Lawis and －fowart rivers in the early wishtien．homt unly in




 of the－llaskinn（ $\mathrm{I}^{\circ}$ ．S．）frontier．














timd lth Nateh Ivas．Has mame hat（or rather latl）a very lixd place in（iomman literature．For in－
 ats their monlel and portine hero，and was greatly
 Thoneht of the intrinsie salue of his peretry，it ＂ammot he deried that he liedued to inamernmat tha （x）hlen am of（forman literature and exaroimed a bery benelicial inthener on the mational bate． When he lirst herath tor wite the litemature of
 cold，correct，mamatimation pinit．Klopsock broke lome from this dexpotion and lateathed the
 －in whiclo he intronduces Aminins as at mational beto－imel hilliazil Aramas．with somm lamom．＂on－ stitute the remanimer of hiv perty．of theo his thlos alont posess interest amd ralue now．llis Works were collected and puldi－hed in le vollo（ $17!18$－
 tran－lated into hoth Enorlinh verse and pone．See



KHan＇eshorounch．：market－town in the West
 of llatumate anel 17 NH ．uf romb．It has a church（rentured ］s－a）．with interentime momu－ mentr of the Slimslys：a grammar－ahool（16ib）； remaine of a cantla（1170）in whed liehard 11. was imprisomed，and whinh was dinmanted in
 and St Ioblert＇s dase in which Eurame Aram horied his victim in 154．Jhother fhiptom is chamed as a native，and Jate Detmalf．the bind
 staple maninfactures．Khareshorongh retmoded two




Kinee the artienlation between the fombr or thigh－home alove，and the tibia or shindmon helows．I thial lome the fritella，or Kneqeap， abos enter inte the structura of this joint ante rionly．The ationlar surfaces of these bones are eoverel with catilage amb emmocted tomether by higaments，sone of whirh insert the junt and lie external to it，while others acempe it－interior． Thes ornowial membrane ix the largest in the boby． It lines the invertime ligument，anmlis pros lomereal on the fromt of the femme alove the artionbir surface， coners certain of the ligument－in tho in－ terior of tha joint． and formo fuldo ont at lisqe cu－hion of fat phaced botween the thiaranl pratellat．

Th10 mast inalort ant of tha extcolial limaments are the am
 I＇ctellor，which is in reably that puthan of the Ómediompes EV． truso craris whind is centimam form the knee－cipt to than thberelte of the tilaia： （am intormal inll two extermal lateral lima brent－：a portolior
 sular lipentmont，whel muromols the joint in the
intorvalk beit hy the precoling lixament－The buitome of thow ligamente are sulliciently in－ diatem by their mames．of the intemal livaments．
 another，atme the mot impertant．The external and intermal sembur eatilaw are newally parm


 lumer is thin．Wath carthage comers neary the

 suffore for limer ationation with the amblys of the ciminr．

The ehief mownents of this juint are those of at
 is atw＂alad an of slight rotatory motion when the bure is hald havel．During thevion the artioular －arface of the tilia shite backwats mon the comblan of the fomm while in extenion they alila forwath．The whale range of motion of thi－ junt．foll extrme flexion to axtreme extansom．
 ＂hith hase comparatively little alaptation for
 wata and imomme joint ；and yet it is very racely di－kerated．Ite mal strength depmeson the large －i／n of the artionlat emin of the lumes，on the mumber and strength of the liganemts，and on the powerfal maselos and facciat bey which is
 the kitere joint is diemered．



 It in harat－shaped in fomm，the hroal end huing

 ly small aperture for the＂ntranse of besels，ame
 or internal smfare is sumeth and divided into two
 into the growe on the lowe artimbating surface of the fomme or thish In me，while the two faede（of


＇This lume is liable luald to dishorami and
 or outwardo：but it is mint frequent in the ont－ wart dimedin．The diadiament may lar ramed




 ondaced withant any diflimults．Fracture of bla


 pram in danger of falling corwank attrmpts to


 rations the trumb，amb Tishty elevatime the limb．









 dowtation．At mammion the first pram wat


in praver cacept on momily and betwen Eater and Whitsmatide．In the mindern（＇atholie C＇harela kinding is the menal attitmate atrare as in the Chmeh of Englamt．In the liomain and dreek

 In the Churel of Englamb，and in the Latheman Chareh，the sarramont is mocived knewling： Luthems stambat paver．Preastanas it when beroising the fomminion，and wre till lately aconstomed to stand at praye ：reconty knoming at prayer has lifome the inmal partion，save in thermater districts of soothand．

 pantmor moder femband and lierlinam bal．





 it after the Fiesulation．In haOl Willian III．

 IT：3，and a momment was ropend ta him in Weatminater Aho．e．with a highly labdatory
 hactions are the beanties of llampon court


 Pomer the Crat，and the Empron（hathe VI．）．N． paintal arowedty for the lowe mones，amb hena

 and his quilk we for likeness．and to the fart that ther wan nobuly to dispote sumemary with him．
 bisu（Maitam）．


 wan an intimato friend of Wirhington Irving，who







 the sanue time printing the fimbion．＇The I／win
 topmonerelatap literature of a hiol tome，was joinds






















 of Imbthatry－which secured it latge sale at at time When the impmomemt－in mathomery rated a furtile ferlinge and the redation－baticen capital





 fietore of the monerons literam and pulitial
 Kinight：－compilatums．Holt hemes mothe the biont A whomis，Ihelf－hemes of Einglinh Ihistom，and Ihelf：





Hnixhthood．Ther went＂kuight＇is thes
 Whith meant ariginally at yonth，amb aterwand：a －evam on attombat，and－ann cathe th he seatriated or the military ottendant－upm mollen and great Hiseon of atate Thir promal blation was
 of tehame：in virtue of which the kmigh held




 le wacmi anmens the early Tentonic nations，innd whecially the frank－Flan en－tum of chivalry somberitel will King Arthar atmi thatrmasne：－ palatin－ate of cobre than ui a bater wrat the efuch of the romane writers．The elswhu and pactine of knighthoml wewnaldi－hed in Englami，hat an


 vomple every holiter of a certain extent of land．
 hnights orler，his imsetitme heing anesmmed

 the lone war lathen Frame and England it le came the patien for the abrerige on rentive


 ally the the tal alonition of hipht－rersice in the beicm of charlo－ 11.














 ionrenl ly binling the swom ami－pur－on the vandilatio，aftur whin the peron whe embeverl




 hi－whatron an a haisht athe at＇hatian．That
 become then pominent in and stiont tho femmbatom
uf the militam monarice andor in labutine an the

 demated for the infrimement of any pat if his



 cerom，and ceat form har weterat hight．This
 formed in erligy an late an Inld in the case ni lomd 1 mommah（q．－）．

 fame at jourt and tomber by manatinime the


 the palandins of Thatemaghe（ace limasu）ate

 （H．© ）maly be taken a a idrerentative hem of



 by leving ldaknail momehants in hy sheer 1inmer
Kinghtumb，orinimally a military listinetom，

 remberd to the crown of commmity．The firet （isil hnisht in Enslam？wan air Willian Watwonth．
 －hay ine the whe Wat Tuler in preate of the
 hand ham heon conferred withont any tecathl to jus．
 rewand tor wrice of athy hind，cisil or military．






 tion，ats the commanter of ath anhe．In Pinghal
 Arelaration，atempratal nitla ample ceremmy of impurition of the swod，and withont ans faterit







 land．The manamblable－Sir is parfised to the










 wh：


 humbler atterndant in the knight．Tha F＇tent



ated to kinghte is figmed moter Hishabotis (lis.






 Chimotry (1sss).

Kinisht-servire, sue Trat le.




 it laxal innomblies, wer the whale combers. 'The

 pathy. The lime enemal amombly was helid in
 :and the matho of serpery formerly almininteral wre

 15-7. how orer, thestom of 'heycetting latimg luen introblow, the haninase of the rambery was greatly Hi-morbed, and sine then the strensth of the organiation has dechinet. It the comsention







Kinipperoldlins, lisix uto, a moted leaber




 wall in 1sal. For a monilezalde the atherwats

 :in +1 .
linorli-linere, siow let.

## 

Kilot (Trinter ctmentis) a walling shore-hiol of




 is reatali-h lomen, limel minglat with ldads arat,
 ath erase and mon the mer pate whit. The lutal





















thomest ahmot all mempation ming mpen or condige have suctat himbs of huts adapted to their diftement repuirements. While the great majority of these are prom lowhinal, here are a few so memally useful in the evervalay oreme renes of life that they may ho shotly deseribed. The ligures represent the varims hints hefore they are drawn tant, the hetter to shme the methon of tying. Conerally, the reminements of a useful hot may hes stateil to the that it shombed neither 'slip' wor' fam'-i.e, that, white it holds withont haper of sipping "lite the statin is on it, when shackened it chmold be easily untiod again. The simplest knot is the common one tion on the end of a thead ar comb to perent it sliphing. By bitssing at long insteal of the ennl of the cmal the common slip- Kowt (fig. 1) is fermerl : and a useful tixed luy is ant ly tring a ximple kinot, or the 'ligure of shot' (2), an the low of a cord. Gue of the simplest and most metul maning-knots for a

small com is mate hag mean of thas simple forts (3). The must seate methand of fintminge a line 10 , saly a bumbet is the staming law line (t) ; and at mining low line is formed ly pataine the enol "thomals the low b b, thes mathing a maning-

 of methowh of fastering a brats: paistar the one Whieln will lee fomm nont nopful is the wedl-known two half litelres ( 6 ). The timher-liteln (a) is useful for atticheng a line to a oprar or in stome, and the done hitw (s) is inctualde for many purper. It is wert simple and eannot slip.

A simple method of fasteming: a mpe to at hook is that hathwall hitelt (!), whero the satim the the
 haus that it ramout slip. Thate ane many methats for shathing ar ras temmarily, one of them lunge the shopplamk, the simplat finm of which is - linsur in lix. 11 .
of the methonlv for mitimy the amsk of two

rabate the simplest amd ame of the mond semere is

 will jam if it chas mot mipr the rees-knot will
do neither. Fior very small eomels or flamal tha best knot is the wedver's ( $1: 3$ ). The disleman's knot is a rerre useful one for anslets, and is formed hy a simplo knot in eand eomal heine sippod ower the other (It): when drawn tant it vory seenme,
 A toefal mothod of moting later sopes is shown in lig. $1 . \bar{x}$ : tie a simple kont on the end of one rape and interlace the and of the other, and draw tant. This tie maty alder he mate with the tighte of $s$ knot. Fon very lares roper the earri-ki bemal (16) is the simplesi and most weoure. 'J'lae bowline-
 eath other. For attachimg amall line to at therk rope the leethet-hitela ( 17 ) i- berr un+inl.
splecing is the pareese emplowerl to juin two ropere when it i - mot atrixalad to has at kmot. The three ehtef varieties of the shliee are the short-
 shent-jplice is mate ley malsumer the rmal of two
 ropers for at sort di-timbe athl litling them elowely tone ther: then, by the low of it mar. linspike, the ead. are laced wrer ami malor the stramis of the opposite rolus. as shown in lig. W. Whern meth -Tramel has been prased through once, half of it is elat away and the romainler pansed
 awaty it is parad at third time atmo. when all the

 tapers oft the spline The lomer-plice i- rmplosent
 it does not thioken it. Thas emble of the twor repere












 cerve or whip the enid with small "amp Gther







 in at pater in which the surionm himb of hant arte

 falsuma' arre de:ll with.









timally, a that lash of hamd lember, 21 inehas lones, and endinir in a heak like hook. 'Theallember wa-liod to two stakes, stripurd, and rourivel on the batk tha
 lent to semtemoe of death, lint in mant rases the vietin died mater the operation lome lufore thin
 her a criminal. Fior the home Nichmin shbatituted


 lansian word suelt las the 1 iermanas firnt, amd bs
 Kinoot; in English, Hawally but almadly mont).
 lumn at liork, elat May ligt, the som of it ! dionarapher and tearher of elocntion, whan was romsin-

 hecante intimate with Itazlitt and Lamb. Ho latal early -hown a strong bent for an otetore lite and after servinse a while in the militia, ant tomlames


 *ubsequently her condurted a molool fors several fears in liplfat and dibanow. It wan at hhis dime he latid the formatalom of his fane as at dramatiot.
 ( $1 \times 15$ ) were liral performed at belfant. [iramous,
 Iflasgow hofore Macrealy in 1 se 0 promberd it at
 Macready achised one of life greateot trimmols,
 The Lene (lowse, athi Ther IViff. His whos attraut ly the stmmer human foreling that beats lerneath their antigue dress, and several of them alle atill
 With fair sucese in mans of ho own phomen ; bat in hiv later vearo lee formaik the = lace for the pulpit,
 to Exeter flatl. Jlis ramentoms amb enthamionm were gratt, amil two contracemal wath witan to





 is remarhalle for its acridity and blisturing powas.
 lloper instead af catatharriales.

Kinew Nothings. (he prpmlar mame for the
 I nited siates shortly fofore Imon, wimed comider-



















 the tendeng to allow pratical pawer lor fall into



 from lrish hamls: and the unsucersolit attempto Hefeat the 'lammany llall nominese at Xew Yotk at the sinne thate exhibis. at similar reatom at worl.

 Knum-ly Hatl, the ata oi the Earl of Derts, which
 Teniers, rlanhe Larminue. and ather orveit masters.
 lwma ill (ithmatertes at -uhturl of the town of
 oi his fanma conntivmion, forme linchanam.
 that i- delinitely hnown of hi- immily commetions.

 grami-ire (matromal wrabifather), and tathor have
 of them hate died ander their sambamis. 11 . Homisem the elements of hive elutation in the






 was serat to st Antrews thmoh lilangow wat neaber hivnative plate, when Major hat migrated 10 the immer miveroity. It lilanow, nomer

 which sulatitutal for the stulies and mothorls of

 - peak :und wrile latin wits perfent thenty: lat it wat almats with ath ditunt that shomend her hat











 of -inht. All that i- Wamwn of him thrimer this promb in that from l.sto to lista ho ated ats matary
















 the atpantio of thar rathor with which hiv nimar is



amb the apotles. Wir hitre reason to believe that "ren lutore this date his sympthits were on the site of reform in religinn: hat the lowhing and Qatnyle uf Wishat arems lime to hase hrompht (1) him the elear cenationsamon of hiv misime kimus intentifer himself with Winhat with all the innernosity of his charatery, amb win in the hahht,
 the permber. When Winhant wats wized ly the emismaties of Camhanl lbatom, Kimos womld willingty have attemited him to the last: hut Wishart, wha knew the fate in stome for him,
 ing Knox's pupils), he rald, "and (iond bles youl. One is malicient for one surditien.

Wialart Was burned at it Smberm in Natelo Listi, mond in Xax of the samm war l'intinal beaton

 was known tu be the enemy of liaton (thomol lie
 ( 1.15 ) for his wwn safety tu join them with his pmails. Here his zenl and theoheromal athainments
 tha leaders of the reformang purty (sir Ditsid
 tio the mini-try, amd preathed with mach ateept-
 A fow montlas later the eand sumandered to the Fremelt: :the in the teeth of the respren terme of (iapitulatim, the mane jmoniment of the bexieneal batry were rent as frianoto on hatal the French
 eaptive. his first winter lexinger sumt in at matley on the Laire, the secoml in phinn in liment. Ilis

 paired his heidth for the rent of his life. 'The






In Fehrinay lit! , wa the expers intererosion of

 the next fome bearr. till the death wi balward VI: her mand. hiv liman in Enghaml. Vinm all that is

 thase at the rentue uf athorits in the ramotry.



 :1!
 luevimal, he wis otfered the hisluprice of liondester.
 was simply to elicele, is fat ats he eombl, whit be








 Centrvan ductrime of the ernd hati-1.


 - imomstances pronit his betman rither tostotand


 Wats arain in lather, 'to leanh the estate of Engr





 regitaline the ane of the lamk of Common latser， he remabind mily a fow monlla．At finevai be fouml a congragition of him bwn wiy of hanking：


 He remained in soot land lill only of the next lear， restimg ehietly in Bdinhateh，bint making priado－
 The new disetrine ware stembly spetaliner in seot lamb，lat as ret thoir shlpertor were mot strmys
 government．It was at hiv own bi－k，therefore． that kinox remamed in the montry ：athl at the praver of the womeration in deneva he rotarn＋al to that pown in buly lis．It wa－probahly durin： this visit ta seotlanil that he martied his tirst wift． Marjory homese to whola he setoms to have lewer

 to his congreaftion，ithl seminis mach of Calvin．








 prepared for the erwitl work in otore for limas．


 this danger threw many into the barty of reform． The unworthy live aif the whe eloring athe the
 same direstion．la los．the ablventes of reform bomal thenmelved be what is knoma its the Fiont Comement to da ati in thair pown to edient at roliçims revohtion：and by lome they folt thand
 in the work he derment the：mis－sion of hic lifes

In May 155！kams fonml himadt awatn in temt－ latn！，which he burour acotin laft for at proburel
 paty．It the momanat ai him arrival thas lama of

























 wise atul libaral shereotions for the beligitno amb edncational manabilion of the eomathy．＇lheme sumestions，howeror，werts litthe th that mimb of the majuity of the protentant mobles，whos，per


 that hand hern acemplindat knox hand bern dar

 $\grave{l}_{1: s}$－till whe levedud．


 byevey obiniom ato hele！on religion，on tha relat tions of prince atml shligect，on the fambanmental frineiphes of life．Nary was shbaraled an has an alysi from thr patry remosemterl harmox．If we
 the othor，home and she fillal th liml whe point
 the ministor of st diles（then the ondy liofommed

 therefore，mo les than ber publice palisy was made the mblemot of him most stringent eliticiom：and rhaner the sis vears of her reinen lis attitule towards bry wis that of whenmpromising antagom－ i－ma．Tlle celthration of masm in Hhlumal（Clapel in lefiance of thas late relinions arthement tirat


 a remarhable gurtion of his Mistory of the heformer－ tion．The divi－ion of eceleniantical polerty，by which thone in actual pranemson lecrised two． thimk，the liefomed ministers ome－thimb was at
 ment．The delay uf Dass（a conditm the late
 amsety an tha part of binos amal hi：－Imother ministors．Ju view of the preatriond interesto of


 －Lami dimmenstmat，afterwarls the begent
 （lisioi）： comasels，ato hoth sew in this mariane the mose













 Saly ratitan liy tho listatos of lat hatho．A．in the＂formar rexiblationg，Kisus wits still the stane
 amb at Stinlime at ths rembation of damme Vi．

 －







and he wis now hat the weok of his former mblf， font his sunt was as indomitable as acer．The
 eath Hever he amitted in any acomant of kinos．

 at faring of martri－about his neck，anstatl in the


 another savint liflom the for the pulpit，where he

 ons that lan wan like to ding that pulpit in hamk， ：and ty out of it．

 has short stanes，he mate hic way to Elinhurgit，
 of his sumenom in atlice，he mate his lant prablie ＂リn＂aramoe．He dind the same montly at the age

 at suall sprate stome in the pazerment of larliat
 the sut where lue in mopmed to lim．The sayimer of the libuent Morton at his wrave，dJere lomit at matn who in liv life never feared the face of man
 that comblat havera monomaned to his memone

K゙nos was twine narried．Ilis lise witr，Jatr－ jory lanker，died in lotio，heaving him two soms． Iby his seromel wife，Mangatet stewart，damphter of land whaltree whom（little mure than at git） he married in litit，he hat there danghters．Ihis whaw and all his family surved him．

In their bramer featmes the chatrater of kinox


 arombent illat，imbliment or lastile to exary in－ femest of life that alid not mblestre its realinitions．





 him for intularamoen or hambmen is hat for pas



 mann indimmeat in eqdectiner was mot merely the
 wita the tramaformation of the nitiomal fircals，the fuichening of the natimat hifa．the virtary of prin－
 fros ami maturit development of tho lifo of hor propata．It has to be mhled that her his／histery of



 inptex of the writers imbliduality，stamperd in
 Englinh Jitaratur．




 and the late by the focont writer（1890）．






Ne，Ilere atre tho state mincosity athal the ayri－






 mate of wom，a litth hirger than a walmot．＂Ylae


 attandred tor in mpule hamdle from 3 tor + freet lomer， which the play er grape with hoth hande．giving the fall swing of his bumy with the－11whe，＂The

 nomber of rande leemg the winns．


 witi mambactures of cotton，wheled，iunl foather

 wan reated lbam kimutoforl．See ll．（ireens

 extemiting from the meato the Onterinuat llomatains in（＇ap＂Colons，Jomilen WV．af lomt Elizaheth．
 grestriated tor eastern Anstraliat of that fatmily
 lhalangers in rentition，but lasiag tha mobar
 tworpmomble groups，of two or three，a chasateter


Kobala（Phescolerctus cenerus）．
 to samping the hamelne of treses，on whicla the kotat oftern latmes with its latek moldomost，like the＂shoth．＇I＇here is seareely atoy raliment of it tail．＇Tlue gemertel form is mot malihe that of at









 ther Primest．Ito with ipluinted evtratombinary







Korli．Jiobsert，an eminent bateteriologiat，was Corn at Kion－that，in the llarz，Ilth Dertoturer
 at llamorr and aberwhra．Jlis inveratations in fommetion with wommls，erpticitemia，and phenic




 exporlition aent to boy and ludja in quest of the


 alinatses．He matle salmalbe invertigations mat

 atwo years series of invorigations m malaial fever in Italy，freece，Eimi Sinea，Imlia，and New fininea．For Koel＇s jurotulates，see liklas；am？
 writen on－－henie fever（Inäi amblose），on womm

 at loboy，near l＇ario，wile the son of at Jateh hamber what pati－hen on the seathold dorimer the

 prollom！an whilpon series of novek，vivacions， piguant，amp readable，but hamlly rearhing thro dignity of literature．Ilowever，they will retain
 I＇aris in the tiat half at the loth erntary，expecially in its shaslior side－：anai they si－play a marvellon－ fertility in the imentim of incments，more or les． equivical in elatrater，in the lite of the French

 that seem in arain．ann］an utter abornce dif styles．Iet his staries wore fin lomer inmonsely popular，inn！wo know that for thirty vears they Were the mole Jombinis of Major l＇enclemins．Here

 Momes Purivionder．Thar millacted edition of hin







## Fiodiak．see Kıustk．

Kolitit．thre beatquatere of krollat diatrict，in than lonath，is pheasantly sithated in it mammatan－







Lolorleth．wers EreLeshsstev．

Kolnivtith．：mumberontoratain momatain


Kolsl．sion Asembol．








 tuming tu tiprosany he ha＊atur aty litharian at


 lames，Istriat，Malmatia，and Jomtemerro（all be． （weren late amat jsib）：aloo lomke of araw in C＇anadil（lanit）amd the Conitom Staten（Niew York，


 Portand，latid）amd uf Magellan sitrait（15：\％）．

Kiblter．libisifols，a loament stationt of the history of literatume was homat Wrimar，日ttlo．Wme Lsan，stadied phiblogy at Jenti，Jatigin，and binnm， and acepptal in shot the gont of a libarian in the ducal limary at Wrimatr，whin whe berame the
 tho latned jommals，surd as his abluibable notes on ．）．CF．Camulells tales in lianfers orient ume （leminnt（vol．ii．I BCt），be pmblished works on the












Kohl－rithi（fer．Koht－ribh，＇K゙ale turnip；＇so Flemel（Vone lime a chltivated variets of tle
 by the swelling of the stam just alme the ormand． in a globulan form，like that of the tmoip，lat with the leatsotalks sumatus from the swollen part．and adding to the pexpliarity of its apmear－ ance．This is the part which is used，and its wes are imblar 6 thome of the tumip．It is a eommon tielolerey in twalen．

Koil．Sme Almasme．
 the fromtier of the chine pe porinee of kan－su，lills
 acemblime to l＇rjevalaky，io．n！o feet athowa the level of the－wa．Its very alt waters，explaintely blue in volonir．focsor bitimileo ly 40 ．It comtains live i－｜ands，gme witls a libhihint momantery．

 belomore tu a was shall matural orler，sienaceie．It
 diamoter，lawime the brate womp of a rich deet brown coldur and very lame；amd is momeh nad in
 Huntr．


















 tho Smblam they atre balmen an bighl that wo

of some of the nuts. In times of drought a single wat hitm tumphat at save, while a hiride of the highest fimuily hats uften luen what forr a handful. This ex. cenoive value in due th the Jon cor-im of homath alde ritura, tha caplanalion of Which j-still wantins. The natives Fhew the mut- dxtracting the juice ami spitting ant the filhous matter. liy mether of it they profors to withentand hangen. lhirst, slerp. :mal exhanstion. Analyis meats only abuat $\because$ bur rent. of theine, trab and rontere romainina frome (1) : ernt. Whild there is aloo a small amome of vatita ail: but this dere net account for all it- virtaro, and the rxplanatom gisen is that it is used in the

 when carefills waped in leaver remonding lothe.
 Envere thes undiondedly, lihn tea and conlon,




 extain mom of diathorathey are nemh. and may



 to termany and lane, for the folluse of mane


 ful. blinte aholnd extary buct coloming and
 or at doctetion maty he wed for adminintering then:
 ly itself, or tahe the powter miadel with some swere coning material.







 the Sreti. Coman, helongine to the zoremment of













Frountel II. The latter weredefated with a total hos of 14,190 men: the Austriams low soot.
Kollar. din, shawnie peet and moblar, was lam enth duly 1763 at Mamane, in the north-west of hompary, stodied at lrentmer and dena, and in

 (1st2l): this was followed hy an collared edition of the same entitled the bereghter of bilow ( $1 \times 2.1$ ), his preatest work. He alon publinhed a culleetion of slavonic Folk-somgs (ol ed. Latiz $8: 3$ ), and sume
 was made professor of Arehatology Vitmatin 1849,

 4 vols. Prame, 1stis).
Kibliker. Alment von amamiot and embry-
 natural metences at Zurich, lemb, and liwhan, was

 this for the chair of Anatomy at Wurdmar. He i- puinejpally dintinguishad liy his latmurs in the dratment of micrompre atatomy and on the

 liher ofs hersehen fomalithed for ther swenham


 (bol. i. 1swo), and Eutwedidumgegsehichte des
 Son Sicludd he stated the injurtant Zatsentift fur wissansehtilliche Zoologhe.

Kolontrat, a town of Austrian tablicia, on the

 for refing fodrolems and for mahar patatlin "anden. Pottery ia, homerer, the staph maniar.

Kolombia, a fown of Limexia, on the Nowsat,
 silk, limen, leather, sap, and marhime. l'op.



## 





 Arelie beam. It is only fer- fom iondming cleven works in the year. Its watere alde fall of lish.
Koburor. at town and tombers in limgary, sithated on the inhand of selant, in the Wamber, Which is hemeromed hy a brider of hate, ts milen NII. of Peoth. 'lhe' (own, which is irregularly

 rultivate the vine and ratrs on lishing. The













 thate. The distaint is a platiant, whase ascrage

 Dommatus uf the gengrablers areallimed by limest

 rice and Johammedans lay relioion，mamfather
 capital of the state is tha town of konse with from
 Heelared a protectorate of Framor in lswe．kor
 Coptain linser．

Kionix．Fimemach，the invontor of the stean－ pres，＂as lom at Eideben，17th lpmil 17it．He becamas a printer，amb at tha same time eanomb proseonted soisutitic sthalis．llaving devoted finmself ta the inventime of metns of printime by manhinary，hatation in sain for the nores sary peomiany awintance in vabous quarters，his schemss lainir rejeetod as impationble：lont at

 in $1 \times 10$ for a pros whirh primed like the latal press by two lat blates．A reond patent was ohtained in $k=11$ for a cylindmepres，and others in Isl3 and I the for improvements upon it．＇Thi－ improwal mathint was adophed in 1814 by thas proprietors of the Timex．In the later piat of hiv life kimig was a partury in a company for makins stem pinting presom at oherzell，near




Kibligeritit．a town of Bummia，on the Villur． 73 mile bey rail E．by N．from lrame．It is tha seat uf a hishupr．and hats a reathie rathealmal．





 22，（040）prinomers．T＂he Dhetrianc natmo the hattle
 uf the hatthelirlal．
 Pra－ia，sitatate on tha biver Jromel， $4 \frac{1}{2}$ milos from
 Tha miminal machons of the fane was the homek


 buiteling mose oxist．The eatho whirh erew ont
 Inth venthrises it was the leveinghatemes of the



 Willian I．wat cownorl in listil．Ther catherlat．
 －trenture，woeterl in l：？？

 Lathoran inatitution in lita，and retmilt in In lt














 romtinental rontres for the tar thale，and shig
 ：Lere in vithe t＇S，lla， 6,0 ammally．amd romsint mostly of inain，llax，and lamp，with smalled
 tho imports aterage $\mathfrak{e l} 10,117$ ，who，and ambrace，be－ sides grain，flax，and hemar for traneport，traz． woren womls，metal wares，lemines，timber，chemi
 canmot apmomel the town molowd and leal at l＇illau，os！milus hy rail to the wost，at the entramer from the lialtin to the Friselas liatl．It is fro－
 （hoff），with a lepth of 20 faret，font lillan to
 The town was liry fortilied in lidet：lhat was ron－

 Consians in los amd liy tha lomen in lsot．See


 Silncia， 110 miles ste of Theslan her mal．It was comblituted atown in 1809 ，wht of maval mining

 vos．a Bwerle he hirth，burn alout 1662 ，who， havingentered the service of the Vlectar of llano－ ver．Was accmed of carring on a lave intrigue with Somaia Ibrother，wife bif the Eloctor timore after－ wards（emone l．uf Englaml．and sumbenty dis－ apheared on fat July leat．It is helievell that he was mardered．Sopiliai was conlined in the castle





 Saxmys and ly han montho we the redelation Darshal 太a
 minese of it，loth Felmary J
 grated as impraphalla，but now of ma militay Bmportanore stamis on a mon sum forst abuve the Villie，ef milen sE．of Jhtabon by ratl．Here the Saxon army fiolded to Frederide the firat in löti．

Kiniarsivillt，a town of linhomia， 14 miles ly















##  <br> 









 fathling of owning money．

## 

Korails．Serefolivix．





 ligums，sorial，rivil，rommernial，militars，amb
 maler tho name of Fingath（＇diserimination，
 A－Kitah（The Buok，in the somse of＇lible＂），or


 was writen fron the begmangs in rase of light
 Almishts：mai mon this tablet are al大a fommi the divine derpers relating to thint pant and



 montli of lamatath．l＇ortions of it were，dminer
 Whhammed．hoth at Wecea amd Xedima，risher ley


 amblatided，in waking or in the dreanv of night． Traditions vary with jexper ta the lenoth of lare








Shatmand diotatod many of his inspations of





 promicomond thrmsn into at lox，amd at artain
 al Hohammand Jor wattered pertionc wore at






















 ＂haptor，athl lho oflom ime maged aftor it in

manmaripts，bat lwar distimetive often strange－
 the lige，the star，the lowers，sathe，the lowets，de．， fakron from at partiadar matter on fremon treated of in the rempertive rhapters．bery chapter or sumath bat one herins with the introndactory for monlit：＇In the name of fionl，the Nerafinl，the ＂omprassomate．It is gromerally sated at the berimming whether tha surah was jewealed at Mreea or at Medina．Every elapter is mblivided juto
 ing in tha ameiant soben mitions ar primitive rapies（of Medina［twof，Meora，K゙ufa，Bassa，
 Suldelar to four editions）latween bueds and bobib． ＇I＇lue number of wonds in the whole bumb is $7.7,839$ ， sum an emmeration of the lefters shoms $32.3,015$ of these．Other－rneyrlical－divisoms of the lamk aro into thirty ajzat and intor sisty ahoall，for the uno of devotional realings in and ont of themonge． ＇l＇wents－nine suralss eommene with eertain leters of the：alphatet，＂of which ford alone knows the me：rning．
＇The contente of tho kioran as the hatis of Mohatm－
 while for wher questima of athormbip and chron－
 domanes latio down in the book arr that there is
 When mankind fumed at dillornit limes fom
 Momse，florist，and Mohammend luing the mont dis： tingumbed．Joth pumi－hmonfe for the simer and rowarls for the fions are drpubled with ereat
 from the bible，the $\lambda$ pererphal writings，tum the
 lions to moral and divim virturs，more partien－ laty to a complete and momaliomal masuation to
 （1）the pratriarelos．ant，almost withomt ixseption， bursowied from the dewish writimes，fam the loulk of the beok，which thromghome berte the most
 －riptures wro hamwn to Nohammed ly aral com－
 iat storims taknit from that somare．

There erneral tembeney ami aim of the Koran is
 tho secomb ehapler ：＇lohis is ther hook in which


 ＂poin then，wha luliers in the rev／ation which
 the prontets before ther，and who latiese in the


－mdaimm，（hastianily，and llathemimm－was






 revohed．Witheasthe Kiblals，or the plate where the helisum was for forn in his frater，heing at


＇The koran expresere the thomohis amd inheas of
 In the mattor theme is rmbleme revelition，little



 aribiann，and is not proved but ammond to be the
 other merit. It is written in wane wherin has

 themery the whon elapiter. This in and wan at cmman lituray form, and to it the hatise lan


 dainail.
The matwat reverene in whish the Kiman is







 linding of the samed whmes: 1 lan copher for the


 than in -me the lunk in the hamb of an mondiever.
 names if the commentatore alone womb till volumes. Thus, the liheary of Trijull, in syrat, is rimetel to have
 arics. The bunt remonned are these of sumachohati



 edurings of mall entical valuel printed in st Peters. bure, Kuan Twhean, trateuta, Campor, Serampre se The tioct. the wery min Phert, Latm vexim of the



 explam sume what what he tramshes, and whene motes


 minka (Fin; now al lint: into Coman, Xeverlin

 twons. of cumemphaces to tha komanay be mentomed






Komdolan, w the White Lam, lately a por
 from pematar on the li. ly the White Sile, ath
























lont tor the Equphan lag he Mahdi- rewolt in


Korral. Ser lontes.









 of the Cimman nation againt Naburn invired Komer with patrotic artows. He jomen lotzons

 hi commata lis lien pattionio ange. These puth


 have sone thromag ageat monher of entitus. The




 and mother ant siter were alat intermb. A roblected entition of his works in ons whume








Kibios. Niva ( tipeat koms') a town of Hmpary Similes SE of lindapen by rail. Gob.





 ripht hamk of the Nile about midway hetwern the
 land the wowl that are ennesal lig varam to thir ammlan.

## Korvei, Spe Chiver.


 T-16 in Lithmatia. We ehone the eatere of amm,






















 with womals, he himelf fell inter the liands of his

 Emperor lian motard him to librots. He vemt







 the lole in forizn conntrion and lomak hime self comstintienasl Kinse of Poland. He eedtled at


 (9.w) he the Enpuror Hesampr, and were latid sile hes the with those of bhom sobienk. sioce

 M(entyr, 1we: ).


 Tews ator the dowih mamer, and an hit to h eaton hy Jew.

Kibslia, a town of l'mesia, it mites from the
 irom-fumbles and manfactures of paper, somp,
 17:27.

Kossoro, the 'Fichl of himblivas, a plam in Turlary, mat the servian fromtier, west of the Prohtima. on whel two samginary hattles ware fomatit (1) leetworn inltan Maral I. and the




 144s, when the fomme was leforad. see hadam



Rosolith, Lotis, the leader of the Hagerian revolutime was hani in wee at Mand, in tha commy of Zemplin, in Humgery. Ilic fimily was of molle ratho, hat his patento were fan: He


 Problaty as the dopaty of alment manates. and as Peditor of at jarmal which, mime the the stite of the law, wis mui pribter, hint tran-




 word, in which he intwatal views tow mame




 Pmatheipation of the prasatut $\times$ 。 tho abolition of all


 Homgary mat anctithtinal govermant in han
 tunt in
 in Manh phts. Wh the reamation of the mininer


samatol with extrambinary mary the manares
 ath impriad decred, dated tha Mareh, alohishing the Immatian comstitution, he induced the
 to dendare that the Haphows ly naty had forfeited



 ly the interfence of linsia, lar embermired to aronse the beple to a bure dopreate effort. The atternht wan man. Finding that the dis-
 dambines the mathanal canse, hat rexiond his dictatombing in ficomr of the latter. After the
 himstif compelled to the into Tomber, where he was malle al prinmer : lint, thongh his evtradition was demanded loth hy Anotia : thed limsia, the
 was liherated lay the inlheners of limolanel :und the IThited States, and, the lapuldian womment of
 tory, $h_{1}$ silided in an Anerián frigato to Enyland, where he wat wombed with exery demonatration
 the sime sar her landed in the I nited states. where he buet with a most tonthinastic reepptim.

 pareil for war with dastria: when, on comblition


 Finghand: mentality in tha ment of the war

 heartoli lima. Ilo hata two aher attempto (in
 hefl of Xipulam; in 1seis, with the aisl of Vieter

 When in thia heak ethered the meonciliation of Humsery with the dymaty, amb initiatied is mod hes rivendi letween the twa pats of the AnsarHungarim monarehy, lismith retisel iron ictive julitical life. Ite afforwame liwel mowly in 'lurin, and. althomber mer tived of demmoming the


 the wheral itmmesty ( 1 stia) and tu return to his native limd to talio the vath of foilty to the dymaty las had oure dethomed. In Ision-s2 he


 A pril was lmade amidnt matimal malemition in the









 of hate base the inductry of the town has shew
 contam and linen, the mamiature of mands, dye






Kotall，the chat than of a hative sate of the same natme in hajputana，stambing on the right loank of the＇hambal，is a hot，unhealthy rity． with a pre of $40.2=0$ ．Tlu area oi the state is

Kiathen．a tumn in the kimman dachy of


 of the former dukes（the line lasiante extmet in
 the eathedral of st sames there are somb antique glans window，The intustris pmbare irnm－
 （1くらす）17，47：
Kotow＇the epromony uf protration，with strikine of the forenal on the gramal nitue times． performed loforn thas empero of thina．The
 perform the derratines ecremony，and the point was finally conceded be the thinese in the theaty


 and bat lat，tilled sarion－othere in the publie service of lin－ia，amt fom an eaty are was a facile writur of plass，talos，matiren，lintorical work－de．；he was staheel to leathat Minnhem，

 Be－ilp－manmling with dwethe，kotzone satir－ iver tha lanlers of the limantic erhenl．Amons his dranatic InPformanow，the chief merit of whels comant in thair hombedge of standernet，thein





 than two humdend dramatie finder，wheh have been



 Warts mande two lang wole of exphation in



 Samat Eromp，the Philipgher，tha sambich



 tha．Kalmach－from termented manc milk：anil





















Kovno．carnital of the linswitn sonmment uf




 merraal tom an hithamia，it han loot manly all its trale when it was amenal ly lameia in
 has recosed its commereial inportano．train，








 for ninety－nilue suav irom la！s．

## Koymbili．See Amblas，Niseyca．

Kozlof，： ：wow in the linwian wavemmen of
 the l＇angian，thr sea of Azos，amillow（12：3

Kras or Kratr，the ithmm commeting Nian with the Jlabay Penimonla，whone minimum Treath is 44 miles．Hont of the shames for a ship－ cemal brome to utilion the entary of tha
 territons．amb montater 17 milo inlaml．I
 all that thon ménation the lakishan fom tha heal－ waters of the thompen，which flows matwands tor the tinlf of Sian．A canal hore would thoten
 miles．and that from Cahutat to Homg－Kimis las TH mile－A railway actom the sithe narmo belt



Kránifevaly，a thm of servia，bl miles




## Kraill，Sme＇




 defuateal－ultan laijazet in l：3：－
 in the strat of suma，luetwern Jita and Smanata，




 with a batt of the weath layl，cats ing with if two

















 The Eir"ption of hicelatoue (1sin).

Krakell. : falmonm animal. tiret dearilnal hy





 When it sink agath into the derpe atmes a whirl.
 deatrurtion. It maken fla waters fomme it thick
 of tinhes that wime to the phan attrated by the
 ans itmo fusint 10 onr ar other of the large
 Seandinatian krahorn. 'The lahbe of the krakra
 oi fla


Kiralmajeial, seq livtasy liont.



Kramooforlsk, a limsian military atotion ami





 (15:4) 17.154.

## 



 stmited philompley at menit multer Firehte and



 ratimal reform, drew what lime the rearotmont of

 inf (int ingent where her leentared an all the brancher























 manm as it it wow sumarit. "llar mont promatar







 his P lactaces on the limaltamentat 'fouthes of















 af the felation ul the world to (ient, he walled




 Wrathere dostrines. 'There abe momographs in
 Marlin (1sisi).

##  <br> 

Krofelal. ane of the mand ingmotant manufarturins fowns of (immalmy, stamis alome 4 miles

 mont here, if the lith athal lsth denturias of







 atm wobs far makimg machinery, atol wamb-





 if $i$ nom tlo mat of armat imhotrial aetivity,



Líemilin. Sier Jlmenw.






























 visiture ammally. Their temperature ramess fom



 atmy, after sexeral reatre asat in proferting
 It aima at wishas intmostins reprearntations of


 mam, or ron- alment ta he duly allownd for. 'The
 rad for and flay atol hate for the other, aml mato (1) the sume siatloe the the wap. Wme oflioetr take


 ille: af tha military sitmation is inume to etull -ilp. and contain whateser infornation it is ann-




 hate ami law of the imarimaty timb at what




 be him. 'The wiml. weather, state wit the conatry,
 playim.






















 at













 tha lase fire lattation brequatron by meatio of

 to thes number of dots on the fite whirl turn mp. Thas, in at yeretion where the mile wrove : :






 infant! lire at varions rangos and matriv diflerent




 with what thas somt wonld le likely to kuow Wrifes sent to detarhed moliex of triogs atmot



 thinse i d lone for matre the romblions of the prome -imblat the tho af athal warfare, with the reatt that the plaver ammot fat to realiar the value of timm in military oberatioms. the dillimalty of antor

 when the

 (tram- lay Mandommell, Ist).















 fall, and than killof, at foris. fomsal in what him





















marks of his versitication．His shewd human and keen thong rethial satire ate all his own no lows than that imight burn of sumpathy which hats given sudy mality and trath in his inmpus of Tinsian men and mamers．His sliwhtes bables． howerer light and metely hamomas thas semo． are stamperd throushont he hroad hamanity and
 is never dull on tedians，and lis manal newor lath the saving grace of epumtamity．Withal he is a

 individuality valded in the dambers of the bute world，ath that masery of tha art of comprowime

 mastros of the art．

For Rrilof＇s life may be real the menorirs in Rinssian hy l＇letnet and in（irot，and the admirable sketch pre－ fixem the the late © ．R．S．Ralston the has hat and hes Fithers，a mose translation；in its first clition（lNiw），uf nincts three fables：in its funt（ $1 \mathbf{N} \times \mathbf{3}$ ），of fiftr－five more． Where ays gnom translatime into French verse hy（hanh s

 of sutherland blwarls，The Hassinus at 11 bme（ 1579 ．
 S．of Lapigig ly rail，manfactmes mokion and viomia mon，machimery，de．lole（ 15.5 ）


Kris．a duger or poniard，the miversal weatron of the imhalitants of the Malayan Mrehipelago．


## Malay Kiris．

It is mate of many dilliment foms，short or long． straight or cromedid．The hith and seahbard ate ofton muth omamented．Men of all ranks wear this weapma aml thane of high mak when in inll．
 shbethers wear it．

Kronchborge an irom－manfathring town of
 s．iss．

## Ifromos．Sice Simpras．

Kronsalt（Mamair Motsse），an impertant fraling and ironmamiadming town，and apital



















 years sersice and exphation in xilee ia，he retamed
in 1 s 67 to sthely mathematies for fome years at the misersity，whith anting as secretary to the dien grapheal society．la 15 al he explowe the eracial depuite of Finland and Swedten；in 1ste，whilat on a visit to lielximu and swit／erland，he asoolated himeli with the extromes sedion of the fater－ national．Two years after hix motno to linssia he

 lshl ：and at Lyons he was combemmed in lase to
 raned to Enslaml．He is anthor of Paveres dom
 Mrmoirs of＂liforlationist（1s！！！）．and articles in the Limel Litummit，the prementwh，we．
 1524），danshter of lawon von Viotinghotl，was hom at liga．Mamiod to bam wou Kriahemer，is Livonian mhleman who was laneion ：mblasador at lemice the the yeare lived apart from him in




 hemili up to examated religion mysticing．She apparad as tha homat of at hew empions ara，
 Ohbiced to withlatw fom Frane sha retied to

 Liven lay Eynatil（1st9），Lactois（1siso），and

 Ioth（hot．lagat hatmburg in Cape Cohny，with his follow bamb＂trokkelto Natal，the Grame River Fere state，and lhe Transabul，and in the wate against England（labl）was appombed head of the


 the thatamers
 futanted ath ulimatum whith wat ditmally a declatalion of war，and for which his govermment had beon proparian fur seats．Thi－wan followed low the imanion oif Natal and＇ap＂Cohome and the war，which lanted till the end of leme，issulted in







 Elijeth the Tishbufe wermpular．Soe hiv Anto－ hincraphy（1s6），and the L，hoverinurnaton

 lanowir I＇arabela．
 －tad work at Exam in l＇m－nia，wai lorm in hmalde
 father，who hat fommen a suall inn fore there in
 lar fomm＇ther wolkurn and man dehts than

 thee nare of the stan lammer cane the demands from atillemits for later






the latermational lixhibition of $18 . \vdots$ at

 constraction，athl of pronterpins that matemial ior


 What tha limen wark wore abalale of alomer in the manmiandme of ombance．Dle shomed at simblar


 weisht，haing the first dollemmotrate the prasibility












 Cermany owed lim monb，athl wa，not slow to


 of his partar－hip in the worlio was due．Kraply shlphed antillery 10 abmont every ：onsomment in

 amb sinty thomand jenphe attombed hiv inmeral．



 Badeher（E．Went lan






















 1：10．．．．14．ni
firylon．sere lilallar．



## hathe of a provilum．

























 He mathli－hed himseld at latn or Khan－halion （Cambalue，the modern I Cohimes），amb there fommbed
 rate of hings that evor muled in Clomat Insluding the worm Womern states of the（ionden Homde on
 bominions extmalod fomb the dratio（berath to
 Nimor and the rontmes of llunsary－an ritemt
 ant has betel some bern ：


 the Nomond emperor of Clima and at at hater date

 britt i．läti）．

## 




 there．Ile War iecerom of the minior－ity，latil tiz．





 Raw
 （a）
 mate the latest choment in the Pobtatench．Thi－









 aettins furth，for the first time the anmplene atul
















 for the first time the hintory at lamel intu lime with the history of wher perples ni the anciont worli.


 concha-ively womonstrate.
 Asia, which forms the northern wall of the 'libutan
 ing from the lamir platean ( $\mathbf{Q}^{2}$ E. lunse ), the
 formine an atre the the moth. The entire rexion, which ration from 100 to 150 miles in withtr, is covered with sums, and in many paces with wigatio.
 if a very step indination. Stoms of sand and of show, vitan of lath comminglad. rare violently in winter. 'I'he praks uf this recrion meanne from

 allame mamown matil the rexherations of the


Kintir Coins are the early Mohamestan



 to Aralite coins in cemeral. In the waty years if the califite the whll and rolyper comatar of the
 Ninathians wore nad and imitaterl. 'The Arabio

 lant. With the "aroption of two ar there iablaterl






 Nobammed, this ramate was divenmtimmal, and a


 in Fis 1.11.. :ami the marliont deted coplore roin
 Nhime (from ther homarias), the silver at derlew




 thimere fla woble of the fels was irreorular.



















 Forth-liest lulit, and still mome mathal in the
imute of Nomth Sirica amd fiain. such ats those
 tha intralartion of lamann aml livantine innages,

 antide of 'lumennall race in the fith ventury of
 "xamplos of highly-meconative tamsithal kinfic. In the oth comtiry ( 131 h A.11.) that kinte was anmorally supersered hy the Xeskhi ehataterer
 ablal attained its areatest perfection on the corraney of the dymasts of ciramadia ime lie\%, the shaths of
 Writ inseriptions are incorporated with Arabice in the legemis of coms atruck lev the dexombants of
 Sinfie coms are of intertmathe valur to the his. forian, for they supply him genorally with the names of hings, govemens, and califs. and those

 with the city where they struck the coins, and the fotar, amd matetimustern the month, of isone. A iomphate lint of Johammedan roins is at sheletom hintory af the Xushemempirainall its ramifications, amb bot sehbm a prince or dymast unknown to hindar is revenled liy the come alome.
The frimeipal modern authomties on the subject are
















Eugler. Filas\%, a limman historian of ant, was

 the Arabiomy in Art and ad docert at the university uf lerrin. He died Harelt 1s, lsis. llis most

 Zat ( 2 wols. tsisi). Wif this the part relatiner to







 hmomn as a fort and as the anthom of several dramals.

 with a romprol monthpiece. formenly amployal by






 with tha wandan thene. It has thr "pen hamomies



 in the Jimalias an and amoner the ladians in South


## 


 satil tu have heen fommed in Sait at loulahki，

 laturs，：und lutane notorions for the lawteme denth




 in latis formal in the colling ent of tran and the furmal dixhmiment af tha somioty in Wiar la of
 were umal for sats after to coser the sinteme of poditical les．eramone

Kulja，it town иi Zoneama，mentral Aa， stand in one of the great highatys learling from China to weot Turkeotan，aml on the Ili．This river whe on the mothern－lyno of the Tianshan Montains and dens morth and murth－west into Lake bablibias，ater a rmurse uf abont 7.50 miles．Kialja is the chaef tomb of a fertile alintriet that prondow wedlent com，rion，cottom，twhem， wime amb frait，whilat its patares smport large




 porated in the frowince of semiryetchonsk．Thu

 the thtirn fuesime whit in Ramian hatule wat lo，（an）．The town of kulja has alout la，itn，

 Hevions the that date it hail iongm inhabitants．


 the Fremels amb the allied l＇ms－ians and linsian on enth and toth Angu－Int：The French，mum
 Sandamme：the Jinsaman，during the lima days
 by lieneral O－tmmam．Dnime the nisht the latter were heavily minfomed．and on the weme
 renult wa the complate wrat of the Fremb atme， which lat in thase two lay－lithe thent ai e0，（1） men：Vamlatme capituland with 10, ния men．

## 

Killo．hext to Mand the mon sacted aty of




 the wrat inath liza，ammally attran semeal theramalo of pilatims．loge eration．
















Kumins．See Kom mess．
Kïllılurl．Sere Lieqelo．
Lintu－qualt．See hrderte．
 （2．Defillivistan．




 half victory，wan cumpletely dptaitol los the alfin，

 artilhery and hargage，while their ofpments hat 16．（01）inem．
 lorm，carries the tanines，lunt－making，and

 of Luxembures，and wife of Duke Ibery of havania． Who was ernway hing of the（armans in 1002，amb empror in 101t．Acembine to lemend，whe imbi－ cated her chantity walling harfont wer hat Honghatares．Niter her lashatmon dath in low 4 She ratiren into the embent of kimfungen，near C＇assel，whibh rho lad fommed，and hate she dial，
 in 1：20）．
linpfors－litrfar，we of the mints of stratia which make up the＇pyas tylu of the lemmian wystem（g．v．）as it is developgel in（extmany．Tho． bed consists of hatack bituminmo shate，ahont 2 feet thick，abmantly chaged with well preacer remains of varims fish，conifioms leaves，froit－ Se．The manne remains are ehmmantle coated and even roblanel hy coper we（hence the name if the hed），which las inen extensively worked along the thank of the Hazz．

Korallo．a river rising in Vhamantan hear
 and fowing thrmoh linitin tervitory intu the
 phom intu Mfhamistan．
Kollalistali＇（＇the＇ountry of the kinds＇），an
 of Ania，for the munt par indmad within a line drama from Sivan in A－ia Dinor he way of bar． hukr．Sulimanith，liemmantah abil Imais（in







 thither hy Nialir shah The romber embatan








 are the two halw，the bethathon，and the two
 luots of the and and of mative imhater itw womb



 partly nomad and fantomal, and fratty setted and

 have from time immemmial stod on the same leved of civilization. Thes are bedatory and ing nationt of julatical -ulijection, lut recogniza a conle of made

 ally subject to the lonte and the Shath of Perait reveetions. Thoir wigim in trated hath to the Turanian lima or Kamb, whe were a Jowerful

 were Aramime. Kindixtan, havinfleen roled suc.


 axamind. The wetat satalin wat of hatisla de-

 ins imburmbure. The imhationt, with the ex





 Lerch. Forsthenten wher der harden (St letershurg




## Kurfiess. sum Elemons.

 islands, shaten ?l mila trom the anmthean coant of Arabia, in 17 30 N. lat. and an 10 E lons. :



 Ghan of an interion pradity is ohtand from them.







 The lateret i-iand of the eromp at. lamp ani


 i- fombl on the i-lants, the momant al a feeple



 (har perplation rematime in this misty and inhopit


 Jomsia, 以 width in the smelt, os milus: : berane width, 14



 is ancroaching on the hath at the rate of , iohthen feel thmatly.

Kinlami. Am ('met.and.

 for the l'majath, stam- at the mertherm emil of the Ereat Imin dolta, itnil elone the the fombiter of
 and Jedhi hailway, and in 1169 mile loy rat (almont
 has an extemise harlmom, sheltored by a breakWater and a hong mef. at the externaty of which is a lixed light leot feet aboue the sata. The lamdingرllate is on lianari laland, which is commeted wifla the town hy the Napicr mole, 3 milas lome. The

 lowest deptla wer the lar of 90 fort. Kinmathee is at modern town, and it. pmblic lmildinge and chmeles are senerally uninterestins. the most attrative beme the Fres muncipal hall with a

 Gast and north ane the cantomment-, and, Mase by,
 healthy amil mot wot as the inlimat diantiets

 in the town. the cotton of Nind ind the l'miate
 cipal export, howeser, are what and oil-wemp.




 Mohammotans. See Baillie, formher, P'usi,


Aursk, the ehime town the linsian ansemment
 and 2.t NXE of kielt. The ihinf induery is
 alon mandictured. Kmel, is redehathed for its




 leathor homen. Ne. The efmemment of kand, in











 at Mabhyg bill his death, 26th Apil lato.

His writinge are mucrons, fad anme. awing to their




 the he partmont of biblical criticism inchute lhes. Wextische





His must impurtant lumkis, haneror, are those dewted tuchurch listury his Henelhent der allymemen horchen-




Kinruman, a mixionsation of the Lombon
 miln. NW. from kimberley. It wat for mang ware the mome of tha lalmom of lor Doflat, and

 rines in the Xepal Jimalayan, 10 the noth-wer of
 rapiul strata, with a great holy of water, to the
main river，If lengtl is about 325 miles，amo it is

 shifting for the westwathl，and it－Ilomda hathe thated whle tract－into mad atml jumgle．

 stanza，a neaport in the Ibolimulja，lammania， stamis on the libard sait，at the etat of l＇rajatn＇： wall ：mal of the railway to Tehermavota on the bamine．＇The lambour is exposed：lont conn，wool， cattle，and himen are expmitenl．l＇opr，shon．Not far distant from the town wan Tomi，the flace of Uvid＇s banichment．

## Kiintenlantul．see（ions．

Kinstion，a town of Mrasiatand at furthes of the first ranli，is sitnaten in the midet of externire marrhes at the contluence of the Warthe with the Goler，i］miles $E$ ．of lierlin liy rail．It was lirst fortified in loisi－43，and was held lyy the Fremed from latitu lult．Kıstrin iv alan ath important


Kutahiat．（3 K KTAS（the ameient（iofiomm）， a town of A－iatic Turkey in Anituliat，stands 70
 mercial hirhways coon．Its inlathtamts，varionsy

 mohair，atm りimm．

 milom ly mil NXW．of Viennat．Its silvermines were woithed at leart as eaty as the latla century， and the dirst silver gmoshen worestruek here aboint 1300．The town comtaine a momber of line obl bailimus，amd las miserllameons mannfactares． Clome loy is tha imprial indacen fatory，with 2000

 stmolensk，a liowian tieldhuar－hal．was luma l6th
 and of sixtern，and in bot locamo major－wemeral． We histimernished himsuli in the Turlish war，amd wan appointed in what the command of the dirst





 1618

## Kwilt．New lisisous．

 Hoy Kont（y．v．），by injecting into the prosen of the




## Lyanile sere＇rivitrs．






 phat lavine tar their heror Iomainu，matratal aj






 $2!+1$










Kyle，the central dintriet of Ayrhime（y－v．）．
 eapital of Japen（9．5．）．is situatend on at bat plain alyont ${ }^{2}$（miles inlaml from Waka．I hish ramore of hills to the east separatos this platu from latie liwa，and on these some of the finest temple cont nected with the city ate hailt．＂The rity is rect． amonlar in form，the longer streeto rmaning morth and somth，parallel to the Kanm liver，whind tow shong the base of the ridere．At the sumbern end are situated．in an enchosure，the flatin wormen hmillincs where the whuprom of dituan dwelt son long in seelanion．The Honganji temples of the Wonto seet of bumblioss，fine structumes of their kind ame the centre of the Fuldhint faitloin ．atpan， rise at the somblien emp wit ile vity．Thes stoents， flomgh marow，are dean aml attactisa，and the Whole eity late an air of retinmment．The
 dancex．The fortery，porcelann，eragen，wlots， amblroeades of Kyino are hishly esteremed；its



 tho aneient tireek litmones．and is retained in the Loman catholie mas．It fullows immediately after the introit，tha priont and the server saling
 thiee，and again • Krie eleinon＂thrice：the thiplets are malerstord to be addreseed to the threw l＇ursons of the Grinity．The（ireng wordshat alwas been left motranslated in the Latin lituras．In their tramatat form they are known to Anolican ahmeln－ men an the • leano litany，and ocear in the orders fon morning and ewening prayr，and alat in the Litany：procensional litambe in the tably elurela lugan with the phrase，and sometheme indahbol at many as a hamped refertitoms．The fibet l＇rayer．
 litany aftel the intront ：hat in lase it wan em lomien in the short pertitim that follows earh of the commandmemts，whels were then inserted in the comammion otlice．

 the sreater part of his life in the math town uf lions，


 his thime Moiet lipustle，athel Wiutom anit that ho






 of the decoration wi workmons：rlale，of hoppital
 आ




Kythut．siee kisuras．

## L


the twalith letter in our atpha-
 nibian chararter ealled the 'ax mbinl, Comed. whence the direek name fombly was derived. 'The lettor lometrl wata poolathly a derranled form uf the lliero. mbluic picture of a rerumbent limesos, from whinh the limel. guarme have dixaprearel, leanine two smight lines, mat of which represented the omtatretehed
 'The early (ireek furm $\boldsymbol{l}$ gatsed wer to laty, where it heante L. lrom $L$. throngh the intermorliat. -tamer the direk ont the form $p$ (which wat transmitted to the limpes, and this tinally
 robles. Gha man minnsente form $l$, in whirla the horizontal bat is evanement, was derived from the ohl lamman cmrsive 'The lioman mumeral for it was L. hat thi is mot the letter of that sime form. but was whained from the western form of the lireek letter whe the snecen-ivestares being $X, Y$, $\downarrow$. L. iml finally $L$.
 more correctly desionatad as a "fonat palatal." It lase a ereat attinity with $s$, the lusitions of the
 same. lan mumline $r$ the brath exatus wer the tip of the tomgur, while for $/$ the tip of the tomerne tomblew the front palatern the bave of the grmas, the harath meapimg owor thas twor siles of the
 prolnomas -light sarillations in the foree of the breath, whereas in the reme of $r$ a stmber trill is eansed by the vibration of the tip of the tombur. In the Stamish $/ t$, the ltalian ali, and in the Enorlish woml ghor", the enntact with the palate is
 tip.

Owinge to the sthinty leetwen $/$ amd $r$ they are frequority interchanorid. In -rme lamentares tho.











 ferul.











in the mellins it is not heard in the words relms,
 $l$ is uften mute in the sentel dialeet, as in é for "ll, fir lar fiell. fit for full. In mumen l'ronch it sometimes fates to 10 , as in cur fur it les, du for de lo, rhemote fug marmes. In latian it may become i. as in pümo from mponus. (1n the other hami. I is intru-ive in wimblloss from (). E. wimeless, and in matle from mutes, principle from peince. pinm, and purticiple from pertiripiom. From a
 lerived foom will and shutl. is radiad, it las ctopt into the andling, thonst not into the promuncia. tion, wif amh, whinh is the bitat tense of coth. The M. E. form coude hats nol, while the lateh fonde inal the diemman lommf have preatered the $n$ which belongs lo the rmit.

Latarera in sumth Dfitan eampratmine is a
 torether, the piots beneath being tilled up with the bagrsage withe tompany.

Latannd. wr Lomann, a banish ishand in the
 36 miles lomer ly 9 to lis hroat, with atm arra of 445 N1. . 11 ., inhi at P10. ( 1500 ) of 67,913 . The smiane in remarkably thit, and the suil execestingly


 good harbond and consislerable trate.

Labiallolla the fimoms stambard of the Roman emperor (omstantine, boigned to commomorate
 is satid lo have ifpeared to him on his way fo athand Jaxentins. and to hate hern the moving canse of hix converson to Chnistianity. It was at lomes bike or lanee, with atort tranverse hat of worl :uttubled mear its rextremity, so as tor form somethiner like a cmos. On the loint of the lame

 and the initial lettors of the miture of ('hatint, the






 sabions. lietwern the erown ant the erose ware latats of the moneror and hiv family, and sume
 uf thr woml is still mandmain, in spitu" sits
 ineflectually torturod the latin, lionels, spanioh,

 muphes.




 athl have \& -

 in evmes or heads, or in whork, or -omenimes solitary. I ereneral charamerintic of thim meter is an armatic fragrance, which in many species in vers agrecalle, and makes then favomritos in out gathens: but some ate wenk with an mpleasant ohnur. Bany are natives of Dritain. Some at nsed in medicine, and others in combery for llawor ing. Nint, Marman. Romary. Lambler, Sum Basil. Savory, Thyme. Horehomel, lahm, l'at chonli, fiemamer, and beal Nothe are exampes of this ortier.

Labiche. Eraexe Matax, a Fremeld dramatint, was lorn at l'aris, oth haty 心as, otwhem at the collége bourton, and next fravellod in lady. His lirst dramatic pinee was the pmplar fares . 17 . do
 forty sears lis a lome urios of oler a hondred comenties, farce-, and vallevilles. 'lhene wem all marked by rare matary of stage technique
 intimate knomledge of human nature, eriop and sparkliar diahorne, and a lambent humur that is aften canstic bint never unhindly: He collation ated at one time on another with comanet,

 "box and Con. Lnome the nurt impurant of



 Le plus Meurewt des Liswis (1si0): Thetom le due

 fol collection of his pione apmared under the title
 duction by Amper. Iabime was dented to the
 1sts.
Lablathe, Lith, Mamationger, was bom in Naples on bith hereminor 1794; his father was it Frenchman. whe had had from lativ luring the horron of the lievolution, his mothor an hrishwhan. Iliv tirst engatament as a inger was at
 afternark sang with mbih sherse at linlermo (until 1920), at Vilan, Romat 'min, and Viema: in the lat-named city a medal wan struck in his
 winter at Patis, and ammatly male vitits to Lompon, st Peterabrg, and varions cities in



 whme or quality and him anting, bationary in


 que- ll Vatoria.
















on Woth sides, 110 wat Mected th the Natimal Assembly in 1571 , and in $18: 6$ berane at lie senator. Ho diod 2.eth May lsse.
Lahonre in Colition Eomony, may be define ase eftort for the satiof ying of hman meqik. It is ons. of the the leading factors in frometion, ther other two being land (or natural ohinots) and rapital: and it is more fundamental than eapial, which uriginally is the result nif hatmor. In the vast einde of iublusity labour has a great variety of functions. Which may he thus chassifien: (I) Pronderint of raw materialo, an in mining and arriculture: (O) manufaturing in the wider selane of the worl, or trambomation of raw material imbobigers arrviceable to man; (3) distribution. of tramenence af uefol objeets fram one plaee to another, is deter mined liy haman needs: (4) permmal sember remerem liy physicians, teachers, dr.

A distinction insisted on by many eqmomists is that into productive and mmoninctive bahnr. The former emonsts of thase hinds of expertim
 Inmondactive latmor. like that of the mancian.
 the material wealth of the emmmat!. Thangh it has the alperance of monersaluing - the of the highent serice that can be rembered to the com munity, the distinetion has a general validity. Labuar directly empheal in pamberim matmal wijects servicealite to man may in the langmage of
 bint in order to ols iate a tom himmon and abtract riew of the subject it is lardly neesomy to print owt that the labour of the physician on teacher maty be indirectly most prohactive, inatomeh as it in
 his bath and intelligence. And :pant fram the -pecial serviece rendered hy merat thather and artiats, and which cammot he mearnopd in material
 amb wen of material , ivilication, lis inplining mell with finer tintes and higher meds. Fin the wantto whinh probluctive hatum ministme valy at differant stages of ancial lesednpurnt, amb arow mone refinel an lhe human riter antwaces.
The social am legal forms in which hatome han apheared have alan varied wilh the prowere of rivilivation. In the early stages the lalume of the (hishe, tishing. \& was penformed ly the men, while the dratmer devalum on the women and wanes. But at that hage few slaves reximal. It





 governants could command fobeel laturn an a
 of berece and hiome reater in the vame haris.






 where drdinitely mantitutent, w-and on s.mhlom
 ami lattoly in money. Whilt the condition in

 ravile roltivatan turnothing lihe at sommon




ments for the rembation of lalnme in the intorent of the raline elames. The first, and ome of the greatest,


 which wat pased in list9 and wa reproded only in


 -hip of sewn veits, empumorol the jumtices in quabter momons for lix the rathe wi wate lunt in
 Was mot ropealed till Inlt. The pror law eriterod
 to a hed hon of sulplamenting the low wages lised


 in laron fabtures ami similar molertatinge : and in

 in the romlitimn ait the workers. Iher ight of eom-

 and the: almixion of the workinor men to the
 life of the conntuy. I latuges similar to thase in Englathe have tithen plave, only much lator, in the
 fation of acrionltamblabour form arform, Whiola
 was not ewmpletol in erentrat liorope till lsts, amid in lillosia mot till lstil. Laths for the regnlation



 ahmand. Eillints for the internabimal otentiontion
 fallowed ly the intemational contomene for the begnlation nif labons, wheh net at lemtin in Is 30 .
 most aldranced comatrices of the worlel hats lavern the


 *apital. The sulation of the 'pasalions emmected


 on the hasin of the mhl palitioal eromomey that






 pultical ceommy.
 uf the 1 nitud
















them Homishing colonios. In 1740 he was riven command of a spuadron in liast Indian watoms, and doring the mext tive ware he intlioter ereat loss

 in emasileration of a comtribution of nine million limes. Sequscal ly Inaleix of lutraying the in terests of the combamy, he mommed to limin in 17ts. whore le lamodished thro rears in the



 A manmmont Was eqected in $150 \%$ at Jort lamis

 it famome cheosplatyer, and woble a life of his x,
 banomers are where the evate within the deseription of 'workmen' gisen in the Einphyem and Womben Act, lso.5. 'I'he act Hedines workman'

 miturr, of blarwise emsamed in mannal labour, whether buter the abe of twontr-ante vears or almar that atere, hats entered intu or works under a contrat with an rimployer. Ther at powisles sueh lalumbers a preedy, vish, abll choap mode of recomping their wages whe'r the amonnt in matl, and
 demeanoms amb ill hnhatiomr mo the patt of the workmon. Jathoregs wase are poblibited from
 ( 1 . V. ). Wher meanares atherting libumbers are the Finetory Acts (g.v.), the extension of the franchise




 labouress still come over to Englame and sondand at hambat time roturning agisu when barvest is emblid. btalians to the mumber of siteno ammatly loave their bomes for unshilled labour
 Franor. A prominent fatme in the social eromomy























 diontol with nitmow fands, imblimeded with chains





inchaliner Mistassini (q.v.), alvo exist inlami, and, conmectine with thr rivers, allom in smmmer enm timnons wateras for great lintances. "Mo why




 hut frome 4 miles athere this, the the erat, thene is at

 white liob. The pincipal fur larabinir amimale ane




















 antl Fremeh Searians, in tha mant reqion, collected chielly at the Wmavian mi-ionary - tations-Niatr

sere 1. S. lackaral in Rellelen oif the ther riot" fien




Lathratabrita is une withe wroug of the Fplonare (リッ. and at vary impurant ronk. forming mineral. Thas, it in a purapot insredient


















 ant lohantilly with the fomblas, frome whom he








 lasting pryplarity of the (romemers. lat limyome.






 tuth camost le determinesl, to hare aided him in
 emberient in his work. Ili, emomise, hemad ly



 eflopts made an his helatit hy hav patromens
 Which revtain de:oldmiatans wore probuted from





 one time correms, hint have sine besen thomenchls


 com-pinemation law fiermefores









 phriase, innl a rifhmon of columargestive ul the


 few holl bates. Jis lank i- hailt wn muremben phan, and to this its peculiat "hatm is in matmall



 here a pare of atolta litriary critiolsm- late at bit of dialome as rei-l and bingle as the talk in at


 tion whioh forses how dopply the athtor reathter


 remarkal lys suaml that, whila Montainam list
























 a hative of the Ap and other mombains of the



 the in late and dune. It is ofton miver with


 twouty or ewal forty dent. It in wey haty and mowhere fommion better than in the notls of
 hamb, time grand, and wern have of a dark hrown
 work, inlayine and tmory, and for making haif-
 batk, and parimalaty the weds, are manome and


 hat tor haten and mhhit habmonm is wholesome fomb. I the varioty of hammen, called soment Lalumum. by whe butatiots perated as a dis



beare and darker sallow thenere, which are proHacel later int the ce:tom that thane of the common



 pholncing the ordinary flowers of the common



 will thr aldur.

Ialoyrinth, the nathe of wome celernated baik

 Hatel wore the keyptian, the C'ratim. amit the
 and strator. and wa-reckoral one of the womber of the world. emotanines $34 \%$ chambers. It wat Haile on the shome of Lathe Xoris, and ite fommat
 the C'retan habuhth was supured to have heen buth ley Da, athe for Kiner Dinos, to montan the Almatar. 'The ouls ander of limbing the way ont
 which wave the efore the dwelline of the Minotans. Flo" Simian lathrinth wa conatructed in the age
of Polycrates ( 540 e.c.) Wher inforior batyrinths minted at Nomplia, at Sipmomin ltals, at Val whera in Sicils, ami elowhene; and the name of Galyrinth wis alplidel th the sulterrameons chambers of the tomb of larema, sllymed to be that mow existime a the lugnow dazella, near - limi. Labrintls ablad maze ware at one time finhimable in sartening being imitations, by
 in montern times in the Naze at llatmpon Court.


Maze at ILamptinn C'ourt.
An ancient atory told in labanis. Ghemirle also
 followed lix their oncecomo, makn at maze at
 - Ta thal wherance man foar lionamond.

Labyrimbodonts, or pranertabt, a race of ©atinet Amblithams, the ramains of which are fomm in the lemian, (arthmiferons, and Triassic - Hatit. Daty of then were gitut. romprated wishome tumbern anmhini alls, from which lhey alon ditioned maikeelly in lum
 ture of bropy platex in varime dervers of comphetenrs. The orver inelladis mantwhes bempa, *ome of the salia matuler $\qquad$ othomamblantike nalac, athl heal.
 ing on to the monlam( 'areilians. 'Thre mame lathrinthomont refors to the mazy pattorn whinted on at tammone wetion of the

 rowhe whint hised to low maned to the aredit of a monere les mythical inmat, thrimoflorium. See
 Wer (bilin. 1 sito .
Latc. hat hamw in the form of shefliace, is a colomod reximms shbatace of errat importance in the arts. It is prentued hes an suall insed from

 - mborive Homoptera of the Hemiptra, if lass.


 many difliont surede of teres, but the last he



As som an the gume atre hathed the eraw
 thenselves by their protumidnes, and immediately
 have oure :anal aprture and two whers for the anhisxion of air, and in thair coroms the insects romain in a lothatric state for two and a half months. The fromalex, wheh greatly outmmaner
the makes, never leave the spont to whimb they athelt themselves, lont the maler ematio ly it ventral worning in the aromon, Ifter impmexnation the fermata ferds rombimaly on the juise of the

 of the insect except tha month and the thater aper thres almonly mentioned. When the ymmer are perfectly formed they ixare hy the mal ioneming in the late ineratation. Natumatiots are diviled in opinion ats tor whetlete the late is ancoted by the insert it aelf, or whethre it is mot momely the resin-
 insert while making it- functure or , junt ather it is matele.

The appeatanoe of the incrustation varios. It often takion the form of analemal rommed prominemoes, at soms phars sumbmaline at others -ratteren ower. the brathers: lant in other instane it lowhs, mperticially, Hum" like ot thiok, irrecalat
 imerantition is cellalier, eand rell indiatiner the busition of the innert which formed it. Sterl: for is tha name erivern to it when the inern-tation
 into pibore from thae to sis inches lanes. Thas next atell is to fomme the late las a roller moninat 01 a flatform, the detaxhad framents being afterwards pliked in tula of water, aml beaten by pesthos or troblan by men. It is mow in thestate of seodlee. Thas witer loft in the tulo is colonted red by the lumbor of the inseetc, allul, aftor thin water is

 Atur drying the seed-la is melted in evlindrical entton harw lafore charemal tire and, ley twisting the loars, forced thromorh tha pare of the cloth. It
 ont itself, or is preat be a strip of loat ulym a roller, into a thin shewt. " Difter the impmrities are broken mat, the flakise ale pracked in latro. forming the shall-loe of comburore. Another form is buttomelow, whith is mate lev leting the melted lave drop intor rombled fiece from 1 - $1 \frac{1}{2}$ ind les in liammer.
 tion of lac ly tran-photins the formeted hranclem tos suitable foreat about a fortnight lafore the
 witlo the inswet- ©in thr farsial state are time on
 rearine of futare bronds. The inland trate for the


Lat has matus imbutrial appliontioms. thell-lace bambla is mose "xtanively "mpond than any ether - pirit varnish. Whe bitrinty of it is Firench





 sumb hamelets, ate laremplatate of lat in lmbia,
 mathor, it is u-ed there for robtimg watern toss. Amother misture of la with wrmilion, rlowly res. -



 latia to imbleate lon, ono rapees, the "momimait valu"
 of the depreveriation in tha* vilum of siluer the ratil


 coral iulanis in the Arabian sea, between 10 aml

It N. lat., and alont 200 miles W. of the Nala.
 Thory are low and flat, and all bat two are cona.


 thell, and eowries are darbed wer to the matinlam by the ment who are have and skilfol salions. 'The mmmber of larere batc ownom in the ishands in


 (1) the Nadras dintalet of Somel kamara: the pest
 have Teen adminimored hy the collector of Malabiar. 'The pergle are Johammedann of llimbn dowant,

 retains it- lamguger.

Latere is an matmental faluite of linen. cotton. -ilk, or ghll amb whel threals, mande loy loming.

 struetare. There distimet variotien of bace are matho two loy lambork, kmown re-gectively at mollo on puint how amd pillom-lam, and one by

 in all or ally if the sariotien if thratit thome enmmeraten, in reheral it is emmpond of white
 tmaity. Jathime mate late mon the ather hami
 it cannot le mash of suct limenton as linurn: while with machimen it is guito imposilate to rival the

 ut the hand worker. Sesorthelen mandine-manle

 botad to it- prombetion than has leen lontowed om any of har lameln of textile induatry.

Late on mbe sile, as nedede or print lace, is olosely
 amb merely an olinhotion of plated friner- Work: and machime-lace is a develophornt of fimey wear-
 "f lane-making: combination of the whole maty las
 the frombets are so similar that it remaires luth
 What is made lys the mealle from the plaited pros haet of the pillow, we even the twintal lase of the
 the pattern, Hower, on gimp which formm lan , "herworked amb mose solid purtion of the fablow, athd


 antirely wantinor, allal the pathern loble tergether


 from the mign of whe partion al the pattern tor










 maplosed tos contline the pattern: prot, at minnte lon! workel on the enlefe of tios or thomes for their "mblemont: and modes. which sure ormatnental
 $\mathrm{p}^{1}$ ain homeymmin mos.




Kinewn do have bean mate "arlise than the fired batf of the flith centary : and ins oriminal prondertom, as well as its most sariml trinmulas, are ansuciated with Vimict. 'Tlat atirns low whels it developed fom embroilery-work ean lan tracol fonm the illas.

 or lows work.


1\%. : $\quad$ - linsembint, Ienctian, linth century.

 We: [iml twostro of werk intermediate botworn







 losing, patty "













 anal mocolls, till rall in the lith contary, in ther
bery delinate needle fuint with matied grommd


 abd valanhle of the baens of Vabiee is (hatt known

 lihn sodptumed work, fumblay -tames abol solid thands and
 wi bribes embiderl with pisute. With soth lato the rotmo of
 mobles were alomond, atme it was alsa moploged for the matamoll :1tom of altar comer: atml ather

fis. 4.





 with buttum-laln stithom promede on the thame



 lons. lant rombmonly the patlornar chath in alilainem las lawiner down it -romed
 thresils prabillel tor rabli

 maty form the fommation, it also laing olosely


stitebes which hold the onthinins threats to the parehment amb the linen haching．thas likerating the lace From Venine the iut of makiner puint




 was firmly estabishem in Fratere，ateliers beme establishmid in serveral of the prineipal towns．
 lace of very time puality with hoing mande by a lady mamed lapervere prior to the mathlishament

 of Aromptan attaimed gerat frometinn dming the



 any other diatict her．lifo loint－late atho formod


Fig．B．－Jortion nif ．lemen layme； Erench，late $1^{-1}$ th ur warly inth cestury． otrr furtion of the mannufite ther earried on brus－ds．
 uf（l14 ${ }^{2}$ wh lirmerels lace is sometimes． thanigh varely． いf 110 edlo pwint，but the flower，whilel is made s．b． arately aml Hamel ont．or ：l｜lliod to than cromols，is，in

 neredle－mate．
rillowe leris． lt is all 1 m lerciled quas． tion whethry いうllow－late mininaterl in lialy on in
 from a pioture he Jomatin Natus patinted in l4！nj，we hase evinlenare that the malamg of pillow．
 lout abont the conn time it wian alan bitur workat
 While pmint lave making lats always bem the dis． tinerubhing elnarimen of ltaly ami the somts，the makinar of pillow－lam learam ：um remains alis．


 parchament，whith is then fantomed on at fillow or
 insos which pina may he em－ily and fomly sturk at


 twiatines and platimg．The lame makne is alon

 and mern far the prombetion of at half inch hand of
 as matry sta lifty lwhhins maty lue sughired，whike

 whole work in pillow－lane is the reanlt of twintiner and platiturs athl the pattern is of on ontimal and


simplest incomal in the pillow later con－ista of tha
 pillow，hat now motirely matre hy matehnowis
 ＂ommonly the net is latily twiotm and fartly baited：and the variations in the mesh （a）folluml are chatam twistice of the diflement diasess uf pillow later． Thons，the mevh uf Bathlin late comanatadi forle twisted amd two Nated sintes．as sorn in lias．s．Tho mosh of lhmand pillow－lace is similar to that of Dechalis， lant the pilated
－－ （lig．！），while the Valen． cienmen mull i－plaitwl throns 豆hont． Thene dillir＂ trimes in the fintir of tho． Eronmal bif pil． low－lactus oin


Fis．

a diftarell

 aptratano dif fain waverl rlath（ser lig．10）．The

 of the others．Jnoh of the mormorn


 thowers are alplitel or sawed hy tho


 hegran towards thes ratl of the loth c＋atory lis
 ment．Noximms of rhonmaging native latemaking，


Fig． 11.





 late l－al centurs．


 and Enghal en-men, and the lane whatumen





 rentre of the pillow-lace makime in belwitu anil the murtl of Franore lige 1? in a finm examble ,if Iomiton lame. worl.

The smeresful imitation of haml. made latro lis mathinm-work: :Hal ther comas - mont manmon
 material whing latios at sinur tirial mamblane
 Murt. has pimest alment fatal to the arte of mode :and pillow-lare maikine. of late
 las laren mando to ramillint the mathatariaye uf fille lomint-laces an the jhaml of burann, near





 artifieial, and it ramme be sail that there is at

 ingrmity.

 - flotes of inventom were lifected bwats the per























 atill montimos in ия.



it wac made lonsithe for twist or wrap romm each wher an imberinte momber of thrabs, amd to tanse ans one thester to traberes, moli ly med, every uther theal in the wietil of the fathare lumin wowd. Tho bohbinned mathine of thathemat hasame the fommation of ant chomons indastry, and the insentor realded bath howont and andile bepmatry rewand for his romakable ingratity. Hi frame has lepo monified by may inventors,




 within mundrath limits. The strature of the -implat fathic pro lacerl by it is shown as it afynats on the frame in fig. 14: and "herli droxed and liniturel this fatuje bath the atpluatanm imb aldal in lis. 7 . Which is "omanalmalin net. It will lee serol that the mextme in formed of a corios of wertiral laral In themale which may


Fig. 14. las tahon tor repmentil tho way uf a maman wol, these lwing diagon-
 may low loshad on an weft-therals. 'The frame or

 of it hithine leing baxed mandys butween them. Whime the therens, amt curserpminer to


 that with the fire mondorent of the mathine earlo Indhin, whinl rames it throd will it, passes
 thatak of the wapl, and in longed in another and Emilar bult hau in fromt of tha warp. lint this

 from right (or left. Whan it remone at luditin ly it fanmat mandin it draw hatok, hringing the


 nest two Maptheads, and longing the hothin on




 mrinht thatat of tha sarp: anothor movement


 unvinding fomm the lower bam, and luing rolled
 hins as thew ate therads in the wanp, "ach hiolt hat hatrimg a set whimh it exchathaes with the oflere and
 is mathe in fitt las time than has hern mpationd to




 varitions whid ran he giva to the movements of the that diar-like Maldine.


 Wire. ather mand or flatemat into a lime riblom.
 ambohilas farpanes，hat penerally what is called
 or himen mond which the flattened sold wire in






 Brailing．sum for the matmentation of maform－
 and silver wire in tevtitu i of ormb antignity．






 rateal in dintrin where that trade is lomated．
 cent Mistor！（Enge trann－lがあ．








## is matebtel for ihunt：attems．


 Ilfor lalion．It in a lofty tree，the imbel hark of

 Chatlo 11．a crasat，fill，amel motlom mate of it．

##  <br> 














 ＂rours．Was honeq hell！is hish entomb，amel work－







## 












 entremporarim the pephtation of at math of milal．
 mon conld never forgior him lar littar mal with










 Hmbe delay，such at to dindotith a bally lo a









 the Jurramhishers．Which ileelf，a little farther





















 enlition of hi，Nime Te－tament alperarll in l－31
 Ther lewign of tha last of than woms win to












## 

















 the temu hemomic hats hemaphied to this -tyle.


 am theme lewan to thity law. In lyeg la went

 umetted at thi- time. He was aldent, like all the suath of lis daye and al liberal, like almous every Fromblain, lint without anyortreme viows.



 chaphain of the conbont of the Vi-itation and in
 ont hey his Lidnatiom, he wat ablen to halp the








 the charter of lsat. The shand wave domed has the priber amd Lacordare amd Montabembert




 statente of har Collane stanialas which attacted Great attemtime and led the way to his famons

 a pracher was at it huight, whal he maldong withdrew end wont to liance, forling the noed for
 the nositiate of the Ihminiran order, and in 18 an
 the halit of a bominiman monk. Tho mext thepe geare of his lifiz were onent party in litane and partly in ltaly. In lat: her remand his Comforenees


 Acombly, hat resumel his wat tom days after



 wmbertow the direndion of flep military mhom of




 cultion lat hat to hal with, am! be worn men tor
 lowe tir thiar souls. 1 collactan intition of bis









 Minte of wime lint itc mompition varios enn
 lav dimolved in e0 pato lis weight of alothol.

it. It is enatmanary, however, to add small ghantitios of one of mote sum-resins, such as saularach, amber, and imint, to the larquer. "hich is moloured with ganlage, draron's homel. amb other sulataces. The brato. whith is first heated till the hand and just sifols touch it, gemerally rereise two coat o if lawpor: hat sometimes the firat roat is put on when the metal is cold. In the eate of dark lacquoring the lirass is tirst hemzed and conated with hlark lead. Coal and tobatcosmoke, as well as the sapmor or fumps of some olemicalsubstances, injure latopered arfaces.

Iatryuremere- The lacquer wed for the cele Mated lacfureware of lapmathere mitirely from the lacquer useol for hatos. The huly of this Ware is of whal. am! the lacepur or varmish with which it is matom is the juier of the lacener-
 varnintree. This remathabe barpur mot only forms a sery ham sufare but, malike other yamines. it stams an madimahe leat withont ingmes, that in dapan ladpared vesolds are nsed for lint whum and lus aleolnoly drinks. There ara
 simplat hime lamg , brthap that with the arain of the wanl reeth: for which a line tampratent lascury in thed. For hack lacyur wate the juice or vamish i- dankened sith galls anci at salt of
 cent. ui cimatar : opiment, whle of imn, and Irmesian bhe herinf aloo med as coloms. In the

 ui these metals in a line state of divi-im, on that when the suface is poli-hed it shows a metallio lampe Tin is med to innitate sohl, the yollow hat luing siven ly colom in tha samish.
'The lacmuered mufate of ilue but ware is


 with a singlo coating of powterad hisenit gathen Wha and water, the surfore heing mblay with a whot-tme after tach. Two of thom more coatimg-
 with charemal and water. F'on the linishinge coat

 and alittle uil hanginar up the linal slow. The
 mannts. Ne., are demomad rither ly mayna with metal, ivory, or mother-of parl. lag anck
 colnar, by relicf painting, or bersing. The art


 gommatiot and historian, Was home at Vatz on and sophember latiti. Il. was attractol lo l'alis on the

 turned his ahilition to jumaliont, am! halpoil to

 by enlivting in the athy: hat son proward hiratane and rotmoed to jommatiotio "onk in the

 profemen of Ilistory in bla misarsity of Pathis
 momber of the fromell foulomy, bureme it

 popeqtable but of mory motanding mesit, dealine with the history of France from Phe time of the religiom ware down to the midile on the latle exntury: of thene the most useful


Premis llestorigue ate le la colutione ( 3 wals. Isol li).



 law subject.




 lain, de. blat it was in the tied of the historical romance that le wirn his phas as at writer. Ilis

 asoloting in mabe thath man , immatiotice entarprise, he wrote romatmeong plats. bumbs on history, on



 ami intellerotail comelition oi freatere from the midellat agen down lor the lath rentury llis

 elabomates worlon on the Mistury of I'rostatation,

 Srenal limary uf Pario, athl died in that city on







 for arivinal disomery in mathomatical s.jemer.



 plete compilatiom of the renults wif all provious





 tions, forminer al notwork-mot motaty in in at





## 'Ihe C'rosse : anl biall.
















ome laty hold of the (rome of amothor : a plater maty
 crane, and not los any othay me:ms.

 Imbian teant bisiteal direat IBitain. Dformanda

 atew plates the githe in very pornaliw.
 colloin, stamls wor the Misa-xipli, at the montlo of











 Whith is ghontured from grapers Erown on Momat

 gemaine wint in wry expersise an omly at small
 it manastery on the mometain) i commonnly given
 ste W1NE.

 llomrished in the catyly pate of the the remtury. Ilis Italian demeent is mone thate diblobos, lat it is
 it is very malikely that he wate a propil of Amontinas.



















 pererte atmethial- nf his life.







 Chark's datw Nicema Jathaty


 tamed in smm mill. In the prime stale it in al






cane-shgar in the following manuer: 7 1h. of ram-
 water and allowed to stand for a few days ; then

 and the mivare is thmmehly stimed amblept at
 Thle liquil is lavilel to stop the formanation, tilterol, and wapmated till the sime latate which it embatus erystallisiss this is then redinsomsed
 the mixture tiltered to frex it from sime salphide. and ceapmatul ha watr-lath.
Latie acill mons bey widely distrihated as a product of the mamal fomentation of shme vere



 product of wato of animal tiontes, and is forme in mamele of all hinds, apecially ator violent exertion

 from the buts, in quationem matly below 1 pat per low but it a! barently dow mot ocen in momal healthy hame while in the benly.
 On ahdition of load ace tate and aholubie ammonia to a colution contanine batio adid an insomble
 white powler. The pmantibe and amome of water
 acteristic. What of the lactaten ate erystalline and noluble in water.
 instrument for theting tho ridhere of milk : it com sista of a ghase thlu walmated to 100 pirts. Now milk is janned in no the the tope of the gralmated
 hais iomplet.ly, "parated the value of its quan dity is hown hey tha manlore of parts in the low which it necmpits. Smother form of instmment was invented ly landfel, monsisting of a mall hastronemer with a wald 2 inches lomer divinded
 to which the instrment sinke in water, and the
 This instrment is proferad ley the continomal
 witl water.

## Latothrarimm. Sue Letrotis.

 Tinlmure in the valley uf the I' hier latuc, and hohind the erat rentral mand of the limalayat.








 mator ibe name of Latulamon, is allonted to los














Lading. Bhlla of. Ree linit of Labing.
Liddo. see dioxiomiono.
Lad'ogat. Lake the lagenst laho of Europe, is sitatiol a short ditame 天, of st Petembure, in
 that eomatry and Fimand. It is 129 mike in lengh,
 em and eastern shores are low and marhy: lint on the north-wen the enom is limken, and rixes into difts. There, tem, ate numerosis intuds. The litie peopes the watery of Lake ohecatal Lake lhan in linsia and of lake sama and whor lakes in

 depth of Latio Latherat dere not exemol 301 fret, -xerept in the nowthent, where wem amited area the depith is alout $7: 50$ feet. The navigution is
 fanke, inal maken rames with which the lake atmonds amb to the winds and gales which presail durine the monthe it is fre from jere (May-

 neer the monathe of the rivere that reach it along the sonth and -amherats sheres The principal is the Lathoga limal 18 l milex long and an feet


 betwern thi Folsit and the Bation, so extemive, in fact, that the weromatol have mently seen lit 10 combtract a new eamal baralled to tha whe Limhogat Canal. Commanication ly water sulsists betwent Lake ladoga and the Whate Sobat well
 in chatractor. Two of the i-hants in the nowth-west,


 bir.
 fiften inlank in the woxplu lamitur, noth of the







 Stater. I ehamel divillon the indats into 1 wo
 flame to the noth momataman: : mist ate thickly Womed, and all ate well watmed, fruithil in cmenamats, rice, maiar, cottom, surar, tohato, and imliga. The and coltivated. loswerm. is amall, and the
 monly indimeneme chamoros and latals from Latori, lu-siduan mixal lace of party spanish dowent. It the tione when the inlatule were dis.
 hot the preatent population in ming alnent sime.







 Lom (q.




 roubley ramignated by the the laty pelased in
dheir Christian name and sumames a title not lost by marriage with a commoner. 'Laty", preficel tos their hushand's smomane, is the usual title ni Wises of lamonets (q.v.) and linghts. Ste Coth-

 heetles, qumerally of a hrilliant red or sellaw endonr. with hack, ferl, whita, ur voblow, wots. Tloe form
 thorax and lead small, the antemme amb hers shomt. When hamelded they rmit


Ladybird (sominellen nallofor) manntiod. a sellowish thuid, with a thiagrabible smell. Alulta antl lareap feed chimply on :phisles, and

 anviculturists. 'Tlue egosan" land umber the leavis. of plantr. on which the laman afterwarls ran alonat in pulsuit of ajhhiales. Inlatesatmon thesurviving adult: finel sate rermers, and hiher-
 mense nmmbera, anil from irnomaner of their mea
 stitions dreat. The family wit which the [embs is tyres ( cominellinae, incluide about lino precies, of which forty or on ate latith. Gue of the com-
 Enrepe, athl in pirts of Jia and Arica. The name is aptaremtly a monlineathon of Lrulybum, laty refaring to the Viruin Mary, an the theman


Lally fhaped. it chapmetherimen to the Virgin Vary ("1mr lanly*), and n-mally, hot mot alway, flaced atatwad, from the star when attacherl tor cathedrals. Hens VH.s 'hapel at Wratminster is the lady chapuly if that chareds.
 Encrianil ami lreland, m whicla rent is renerally mate payable, It is tha eoth of March in each year; hut in some diotrict (H) Latly l hay (April
 clifios.
 inne filice formimet) at leantiond torn. (ommmon in moint womls in İritain. with lijunnate foumb






Alime Lavly's Mantle ( Atche millo etpmen):


cold climates, of the matural order loonateran, sub-
 thowers, ansereft calys, mo comolla, and the fout

 of the Virein Dary- in Aeriven from tha fonm of the leaves- The (ommmon lanly Mantle 1.1.

 flaitorl, many-lohom, aml serrated: its llowers, in corsmbose teminal dustels, are usually of a b ellow i-h wrem collur. - The Apime Landy Mantle (.I.
 tate ormated batrex, white and sabiny hamila.









 mehids. The semm in rematkabhe for the laye





 lattrr in hothortas.




















momber Corvisart，to Whan the mathat proftesion is mainly imbehtal for the intrometion of ferems．




 Chef physirian to the Hopital Nomber，athe it was there that lar mon after mathe the diarowery of






 hi：swn eltest loy motiln of the at of his own insention，amd afioy ：few years of lelicate health，
 retimed for die in hin attise prosinere，linth Amonst 1sっb．Sie his life by lallour（tuinger，lstか）．

## 

Larvolose．seestash：
Lalincolde，rapital of Tippocame emonts， Huliant，mothe Wahath liser，and wn the Wabash
 the intersection of lase ratwas．It is a thourishines rity，in the milht of a rich pratio comotry．hail ont in lse．it ematains mamernus elmmelhes，the



 Fremeh batherewting was lwhe in lo：it，her

 wan at member in har yonth of the literary arele which met in the flotal de liambuillet．She wan the intimate friemi of lame do sevicmi，and in hor thinty－thime year formed a liamon with La Fimhe
 She：dial in lata．Inar movels Zande and the Prom－
 fantantic and lons－winlod matmere of such writer：


 vivil ant fathinl pillon of the ruat life of her

 XIS：an to the eont of llenry 11 ．for example，













 profosad opprition oi the court，for Ameriat in 17：－th wher his sword th the rolonist in thein

 the momathal of a disi－ime after hii monlued at




 of Jimpinta athd hat his shate in the latilo of Yorkmon，＂hich fantirally dhased the war．（ta
a third sisit to North Imeriat in 17st，after the condusion of prate．he was receivel in sueh it manner that his tome was a comtimal triumph．
Lafayote han imbihal liberal primeple in the freer air of America，and wat cation for rofoms in his natiw equntry．He was catled to the Asembly of Notables in 175 ，ind sat in its successor， the bsembly of the states cheneral，and in that Which grew out of it，the famme Natiomat－Asembly of 17s！ 11 e took ab pominnont part in ita preceed． ines，and laid on its table，on the ！th，luly 1 zas，
 tion of Indepembence．11，wir some apminted to the chief command of the atrand eitizens，where－ unon he formed the National Guarl，and gave it the tricolor combalte．Indeed，in that list stages of the liewolution，it seemed is if the＇tramlison－ Cromand－Lafayette had the deatimies of lamee in his hands．lint the fever of revolution som surged too latly for the romatitutional mannels in which le would have ham it flow．HI strughed incesamity for meler abl hamanty，yet was
 the nol，which hatelered loulon and handished the rexking heart of the commambant Berthier luene his ever．Ithe dacohins hated his mondera－ tim，while the comrt ahmerth his reforming zeal， athl batla monbined to defeat him in his chavass agrinst letinn fir the maymaly of liaris．Along with lailly he fommed the clut of the leailants， and lee smpurted the icholition of title an well as of all chan prisilate．After the aloption of the
 Lagimge till he worisel the emmand of the amy ＂f Aremenes，＂ith which he won the fins vieturies at lhilignoville，Manhenge，and Floremes．Dat the hatred of the dacohins incrated，amd at lengh Lafayette，whon hal come fom the amy to liaris pmbliely to denmmer the darolin（＇hat，limbing on hii－retam to the ramp，that he could not persnade his soldiem to marh to I＇arin to sise the consti－ tution，role wer into the nental teritory of Liege．
 Ghmaita till bemaparte ohtatmal his liheration in 1：95：lut he took no part in pablie attiais during the asemblency of limaparte．Ile sit in the Clamber of lepmties from lats to lset as one of tha extron！Ledt，and from 1se，to lam he was
 an actise part in the resohtion，and commanled
 be invitation of congres．whonend lim ：gratut of Pow， 1000 duhtars amb at township of land．Ile died at


 Life hy 1：．Tuckorman（New Furk，l心く！；two lumks by






 actuired treat wealth and in lat wis mate EM，ernor of the bank of lirames．Ster the recond


 in the eity in 1817 ，In la3n lua mate hin home the
 Ont of him privath meatus anpliad great patt of the
 Xonember ha was ritrosted with the fonmation of

 propert to bay hia dehto．I national mbarrip－ fion pronerol him hin lutel in lation and fom the
ruins of lia fortume be fommed a new biscomnt Bank in lsiz. As the govermment reveded from the puinciples of the revolution of lsa30, Latlitte berame mare amd mare atotive in opmotitan. In

 tied at l'aris, obth Xay lsty. The sumetorios di
 1stt). Were writen hy Marehal.

 162 l , at C'hatean Thiery, in Champane 11 in early edncatonn wan neplected. He wan plated in a
 take his fathers dutios as mastor of wools atml forests. Early in life he dexatool himmolf to the stuly af liatulatio. Warnt, and othery alal writers, and set himmoti to the compunition on veraem-all of then more or los worthles. In lont he poblished
 then went upto lazris, where be won the farour of Fompurt. Who awardal him a pemsion of loon frates on romblion that he fombished a pieee of verse
 siblorable originality, and their antlur hecame the darliner of the laulien of highest di-tinetion in laris.
 self tu a life of gallantry and to arial meetings
 Nomolles rn lom appeared in 1665: his libldex

 Patrone-aty wor Marondite of hormine and the
 he win mantained in the bomashold of Jme de la sablicte. 111 l6st he real an admiralne Dis-
 Which he was mhnited much againet that wish af the hinge In latr later sears Mare de lat Sablieme Jecanne alevont, hat Lafontaim atachem himself to the di-ablute P'rine de Cinti, paranine in his


 him matil his ileath, which ormomal at l'ario ma


 the equtes and, it is sall, howos a mew play. Ihe

 wise mee of the most latale and chaming. at he

'Thes subjerto of the Comtes iue taken foma Ine-


 with inimitable shill, hatontame sumpanare in wit and jn marative alexterity the athom with whon


















world in the subtle retlectons on chatacter ame lifo which it comers. Severtheles the remeral verdiel of French dities on Lafontaine ean hatrlly fail to sem mulaly high to him Engelish reaters. 'Thembure he bamille, for example, maintans that he is mot merely an artint supreme in lyric anmorly. bat it great fomantie foet, in whane work liese is atway


 of the dithenalt art of telling atory in lisme. Il: combined, as another eritic has said, the flower of
 was a Lo wia- but at eroat prot. With all its graces, his verse has not the melonly, the pasion, the prower of shgexting a beatuty and mystery beyome the exant meraniner af the words, whith distingmish all hieh lyrie work. Liat on the ather hamd it womld le liand
 Hiven such delight to other than his eountrymen athas heell given ly Latontaine.
Set sainte-Benve's fortaits Luttíraires vol, i. ; Ban-
 Les Fublesde La Fontenn, : and Lucas Collins' Let Fonteine and wher French Pieboliats (15:2). The leost cations are

 L. Moland in the Lefonire dex Bedmomelts: and diand


## 

Latombs. a remus of rablents, much resembline have un rahbits, hat with limbe of mare equall
 leanl, sherter ears, and nothil. Therw ase atmot at dozen npectes, whe in somthecint Emripe, ome on the Jienky Jomntains, and the rest an the momatains of northern Asia. 'Jhey are about the sise of gnine

 for winter une. The stack of the diberian queters. the Alpine Lagromys or l'ilsat (L.. (fluimms), ate satel to be utilimed liy the sable hanters for findles.
 - perter uif lathe formeal hy the werthoming either of the sea or of risers. or lis the intilation of wata
 divided into tluvial amb marime. 'Jhay are fombl noly in low-lying lands, such as the coants of


 they are conmplety drided up in -mmer ; in whes.
 the whole fear the charactor of stannat math
 them to itself in winter, is shatratod form them in Hommer ly a har of rand on chimele.

















 that, 3 O. Trate in earried on principally with

Encland and temmany, to a leos extent with the I'nitom States, France, and Brazil. The ishme has
 -timuts the form, the principal emmerefial pare on this burt of the const, and the maly safe harmen for
 of the Xiger territory residpe here: hat hane itwiti Indones to the dimese of Niema Leome. Imbions to the interference of the British Lases was one of the chafentrequita for the expurt of slaves. Cratela aparate wowmont in 15 bis, the emony formod part of the Wint Ifrian shettiomente (from lsait)
 $18 s 6$ the ghesind molmy war constituted.

## Laturotomins. See Gimemithat.

Laspinger Jomeph Lotis. 'omere, the great alembaist, was lopm at Tarin, Qsth Jommary 1736. Ilis father, who, as well as his mother, was of Frambla doment, was wartreasmer to the Pidhontewe memmomt. In later life hagrage explatined his first application the the stady of mathematies ly the fact that the family prop erty hat bean loat in arembations. It the are of swemteen at fiper of Halleg's in the fhem-
 and analytied gemetry, and then his powers developol with xtriking precocity. In 1751 he was apprinted mathematical profesor in the Foyal Schom of Artillery: at the same time
 analegome to the limomial theoren of Nowtom, ame attracted Enler's attention ly a letter on the genemal solutim of eettan ivequinetrical problans which hat been propered to the beot mathematieliths in Fompe Ife alon cerresmonded with Whambert, then the leader of Fromen somentice society. At Eulares nagention Frederick the Gimat apminted lagrase to sucered him an dimetom of the Aeatomy of berlin. Before leaving Piedmont the did much original work in integration and partial dillemone atplying mathomatical methals to physis and astrommer, and ansisted, in $17.5 s$, to from the Tain leademy of Neienter, In 1762, be his complatim of the dalenlas of Yariations, the man thory of which had hem foreshatowe in his disenswion of inomerimetricals, and his investigations of samil, hatmonies, 太e. by new andytiol methots, La, remation, thengh at the expmere of his health, whith wan mever afterwams mbast. Ilis memoir on the munix limation, which in $176=1$ uhtained
 proninome his great principhe of virthal whoifies, whirl was prestutly to he on largel ntilimed in dymminal probdms. lacramge gave the time "omphel" proif of Laphans generalisation, that, se far as the laws of motion are comememb, our sular matem is necesirily stable atnl permanout, beeame all the whage if the phatetary athite,


 tation- on the :upheration of the himher anders (t) mondaniow and dymatare brom the hathas
 duls marhallat :umb sotmativel, atrme Lamanges principal work, the Merenmer Amelytique, whibl

 the ariene of dymante in all its devehoments.
 cestalli-hem in 17tit.



 facion member of the fingal steridy of lamim.

He commanded miversal rejpect even in the crisis of the liewhation, and was: appointed profesor in the Sormal :tnd Polyterdmic sindols, ome of the
 was enthasiastically in farom of the new de erimal and metrical system. He was apminted member
 on him the tithe of 'omint and the Camel Cross of the Legion of Homour. He did more than any other, except Euler, to develay the applications of the imfinitenmal eatomas.
l'urtly owing to his weak constitution, Lasmage was extremoly regular in his hathits, uhatomious in fomi, with his work ever most symbintically Mistrimated. His varims treatises, rad to the Acalmies of Thrin, Derlin, and Paris, mow hill veven 'puato volumes. other imputint worls are The ertir les Fontions ( 0,1 ed. 1sl:3), Leroms sur Le C'fldell dres Fometions, hisolution des Exputions Jomminues. Lagrange lied at Paris, loth April [s]: and was luried in the limtheon. A new rilition of his works, in 16 vols., wats undertaken in 1sti。

## Lat Gutill:t, See drinlr.

Lat II:MOe, the nowth-west extramity of the pminsula of cotentin, in the hortl af pance, wer against Ahomey of the chamel flands. It is rrownel le a lishthonse, 15 s feet hind. This munt nut be confumded with La Hugne (I. $x$.).

Lat Harpe, Jesin Fraxions he, Froneh writer, lum at l'arix, Nomember od, 17:39, first attracted attuntion in 1763 by a succesial tragely, Werured. Nis fane was further enbaned by a series of elompat bloges. lat his other plays on the Massic monlol, such as T'imolron, Thuminmel, and (inesture Wiost, entirely faled. Iflemie, 'hiloctite, and cormian were more suceerful. Ilis hestknown work- are, however, his critical hathes, publi-hed in 12 vals. ( $1799-1805$ ) ats Liffit, on Comrs dr Liftroture, which ling remained a stmmard of literary reitionim. That furtion which relates to amond literatme is of little valus, and that which treato of contemprary writers is antirely worthlese, wwing to the litterneson amp pride of the eritio ; bot the intervening bortion giver a fairly complete aritial histury of Fremel literature. Llis Correspmentume Littiraire, publinded in 1son, by the hiftemesen ins criticisms rekindled fircer controvisies. The lievolution, at its commenement, fonnd no more addent abmiter than lat lapre: but after tive monthe' imprismment for prome to comblonance the extremes to which the immonate malots of the movement pushed mathers his sitws -htively changel, and he hecane a limm supherter of chairli thid crown. A pathmoms work, Lat
 bent achicemmone of his pen. His gracefal style and hemmeno of whervation are perlajs mure than combterbabated by his partality, rabmener of julpmont, amb merliciality. La Harpe died Fehnary 11, 1803. Sire Stinte Benwe, fonseries the lumili, vol.
Lahm, an impertant athlunt of the lihine (q. v. ) in it mididle "ontrase.





 Jatues II., Wien defraterl lowe hy the rombined







Lathore capital of the Pumjal, stameds in :31 ${ }^{\circ}$

 of whom sititis were Dusenhmans. Lathore covers
 briek wall 16 feet high. The eity is woremed loy metallad roads thromgh thirteen gater. The fort orcoplies a equmanding poxition to the morth-east anl near it are the machue of Amongathe and Ranjert Singhis tomb. The Englale civil station. sume 3 miles long. is called Anarkalli, and at home roul, the Nall, comberts this with the pormment homse ind the Lawrence tiardens. There miles farther is the military station or "antomment of Mian Mir, me of thoolreariext and most unheathy in India. The Pumjah l'niversity, largely endowed by mative chiefs ant gantlemen- Mositem, sikla, amb Ilimlu-is one of the mont thourinhime elmeationtal extibli-luments in ladiat. There are also the
 ment Medical Schanl. Mayo Hospital, fle laberts linsitute, and a wnal mineum contaming many


The misin of bature is uncertain, but is certainly
 Sosul cmpire the oftry vached its greatest size and mannificenter, and in said to have had a papm-
 wir lived at Lathme, and the remams of the beanGiful and marnifiomt haldinge erected he then
 able. as well as dihangir's womberful gardens at Shambath shatinar. Since the time of Aumme Belne thething of imputance has lasen constructeal. In bin lianjet singh, the sikh ruler of the
 ritear. abont 30 milo to the sumth; hot in 1846 a Britiol Commel of leweme (ui the l'unjab) was

 state to the Eant hatiar company, and Lahone became the capital of the nuw British prowince of the Punjals. Lahore is an impmant railway center : linex from Kurrahew anl Pe-hawur are connected there with the smuth rat doaling to Irelhi amd Lajputana, to Caleutta, and tw lombey.

The Lalome district is one of the most impurtant

 is an important womemment irrisation work, and
 vated by meme of artilitial irrigation of some surt.
Lathe, a toma of ballon, on at kmall athuent of
 manfactures of cottons, puttery, se., and printing extabli=liments. l'op. $993 \%$.
Lathach, rapital of the Ahatrian armandant of Camiala, amb fommory of tho kinghan of llytia, lime in an extemise flath on the hiver latibuth, 7 milose ahnce its junction with tho Save and !ey
 town, which wes hick orionally to liman times, are natrow and iryenglas, theno of the now subarlos widte and hathlome The town wis futitien from
 Thl
 matmasl tomenta, do. It is lihewine a place of
 ingenton fantorim, bell and iron fomblios whth



 under caltivation; the romamder atliwh as anfl?


consress met bure in lsol to regulate the allair- on Italy.

Laidlaw. Whatint, tha itimul ant latterly ambumensis of sir Walter scott, was lwon it
 Ater farming with but little suceres at Trapmain and Libluertom, he settled in lat as a kind os factur and manager on the estate of fhont-fond :und was scotts tmated comandhe in all hishemes of imporement. Here, "ith the exal? tion of hat there yeare after the disinter in semt: aflitur, he lived till seot's death in lane, hiv con stant companion and bowshold fitem, honoured by an atfection that his layalty demerved. Laidlaw: adguaintance with scot lewan in the antmme of $1 \times 1) 2$ and has anpliod some of the materials tou the third volume of the Minstreley if the siothay bineter. The sweet an! simple pathos of his ows bithal, "hacys flittin', womh alone lave kept th. nume of "Willip" Laidlaw from lefing forgettenter were that nane not safely rindinimed in a lumben baces of Laklant - Life if stott. After his great manters death Laidlaw wan factor succesidely on two liowshime entates, amb died at his luother:famm at Contin in that connty. lsth May 1sin. Ste two papars in Chemberss Edinburgh Jommel

Laing. Divm, a lemmed antiguary. Waw the sht of an Edinhurgh bookseller, and was horn in 109. For thity years lee followed hiv father's triule, taming the tsteen of :lll the antimuaries ant sholars of his time liy his renarkable know. lealge and lis readiness to commonicate it. In Is: he lecame limarian of the signet libury, a post which be held till hic death, Vetober In, s-s. Laing waw homory sectetay of the Bamat tyne Club, thrombunt, and himedif edited many of its issles: while his contributions to the Transantions of the soriety of Antipuaries of scotland were inmamerahle, get all stamued with chatateristip thomblatso. He recomed the remere of LL. 1). from Eilinlurgh in Istat, amb left Teehind him a private library of musmal value even for his exceptional unomitunities: many looks at the sale in lombon rablived moteaden prices. A valuable equlection of MSS. Was bequeathed to Edinhurgh Luiversity.
Havid Laing's knowledge of the ecclesiastical and literary history of scotland was profomd, and has more inmpurtant works will long retain their value. These were has elition of Rohert Baillie's Letters and Joumals 3 : vals. 1841-42), the works of John Knox ( 6 vols. $1 \times 46-64$ ), aul of the scottish frets, sir bavid lyulsay, Dunbar. and Heuryson. His literary life covered the long perioh of more than sixty years, and death surprised him busy on Wyntoun and a hew edition of Lymday.
Laing. Mabcolm, a meritorions seotioh hitumbin. Wain lom on the manland of Whery in Fite. Ile was mbeaten at Kivkoll and Eilin-


 lant rolume of Hems' Mentory of freat birtmo.






## 














 :

 stamed to death ly some Thesealian wothen whom she hatul mate jeatoms.
 attitum townal- the state of the erhool inf political
 nobally trapeltocimimay, merelant amb momomiat
 of all th have luen the remmatranee of Fremeh merchants arrimet thestem of the wreat sates.
 of imbletry hy the state. They lebered fhat the

 prolest of praste imlantrial chterpine agramat
 French witer, which it that time roperentend minly
 when incapabla, and always empmosed in wat.


 fras iminstry, in coutrasted with the pornomive systematal state legulation generatly.








Latkr (lath. lumes) is a portion of water atr. rommad thy laml. Laken are of iwn kintm-frest
 wats. 'liakine lime the fiesheurefor lubes, these

 of wator, welh as the lakr. like expensions of ertain
 (thim temp"ray laken are due to the operations of







 the reatero of extinet on quicoment valathomes. (i3)




















cowities which stre sometames recn in lavit-llows (see IAMA).

Fresh water lakes are very uncumally distriluted. They are most numerons in those regioms which "ore werlowed by limel-ice during the wlacial

 States. Lakem occur at all lueinhts alrove the mat; the nomb elevated locing Diake 'ratuat in Abssimit ( 7500 feet), lable Titionea in the [blivian Ambes ( 12, gen feet), ams Ashal thin in 'lobet ( 16,600 feet). I'he latgent lake in the world
 FI. Wh. annd has a moman mepth of alsont 455 feet. Lake lbakal, in central dsia, is the latrest and
 m., anm its mean repoth s.ra feet, hat in plitees it pobches a slepth of home than forn fect. Some of
 Wepths: thus, Lake lingeva is 1000 feet, Lago


Sialt Lahes.-Two kints are reorgnised: (et)
 atreaty epigeme or hyporent agention (b) lakes, whomally fresh-water, whioh have been rembered ralime ly evapration and concentrations. Those of 1he lirst group tathe in size from mere jerts and

 and the lireat sult Jiknof [tah are enome examples of the secoml gromp of malime lakes, which might lw defined shartly at lakes which have montlet to the orean. The lamian sion is ar feet below the

 hompest pratio. I still more olopremond areat is that uf the leath seat, the mufare of whath is Iege feet Indow the level of the Neditrrameath sea.

Lalke Distriet, the natme apllied to the
 within the emmatien of ('mmberlamb, Wiontmorland,

 inmmmerable wommain forms inm streams, and a






 The worlh ferthith is so math baricel lexaty to be fonmel within so harbow at mace. 'The listrict is

 10 © mommatins within a veels. bint it most but lee formoten that many of the most lonely sumto lie ont of the ompanal whten, and that fer thase travellap who coin allond the time there in ample








 anth: Wast W:ater, limmortale W゙ator, lintter

 Wither in the heat of the distrint. 'f"he highest
 Sbafell (Blal forit), Holsellyt (311s foet), and

 fommlralsuf mauntatumat phes, many chothed vith
the rithest greenery．The lahesarefed and emptiond hy heantiful monintain－streams and herls，biften forming nohle waterfills and foress，like landor Falls，near Derwentwater：fondeon（ill Falls， near Crasmere ：Stockgill Foree，nwar Amblestre： Scale Fome near Crommock Wiatm：Aira Furce，
－rsation as a mentrial of Whrisworlt．Iliv lime long frimal and brother peet，Sumthes，lised for
 in crosthwaite chathyard hard les．llase alon at
 Wordsworths：amd herv his children wore brombt


 in Grasmerre fhristondar North livert at billemy，near Wintermers：shelley liwnd somm time at Kewnisk aftar his marriage． and Jrs Jomans at Jome Nost on Winder－ morts．Ilarriet Jartiment had her homor at the linoll，near Ambleside ：and not far ofl is Fux llow，where Jor Armali］fomma row from the strain of lingty，and where he dixal． damm＇perdiner was bom at hamenthwatos and heme was rivited he Ehwad fitaliombl and＇Tennyson：and the hattor lived sumet time at liont Homse on the east lank of （＇mistum lake．At liantwond，near（imis－ tom latke，Raskin resided durines the later rears ut his life．The port limay opent a furtnight of 1769 in traverning the latas District，aml hic Jommal shmes that be lonked lectore lis time at moture wita＂diz．
 Wordsworthe phrase．Hither whm in the summer of lvor＇hiales latuly．with hivaintor Hary，to spent three weoks with（onterilge
 enjoyed the new experiences，get in a lettor
near l＇atterdale：and Didewarth Force，near Bumt．Amonar the placms mont visitme bexiles these，are the towns al villares ni Keswirk，Conis－ ton，Bowness．IFawkehard，Amhleside．Elverston，
 dake：the Langrale l＇ikse：the lbwhon Valles． celebrated in Wimawortis suries of sommets： Honjster I＇aza，and linkitome lase ；the Castle lack of St John，celelanterl in Soott＇s Brable of Tromemoin：and such minom hat impoming momatain－ pratis as lilencathara or saldlebrack（2s47 feet）． near Ǩeswick：Cimiston 1 Hll Man（2638），near Comiston ；amd the liteat dable（24．00），near Wast－ date Howil．
lint far more even than it romantic matmral beantry is the rare interent that has hamondeled to

 rentury，and who were samowhat mantelligently Ifrourel tornther hy masmbatherio critice av fomm－ inn the＂Lake school＂f fuetry．Wi these the mont illnatrions was Woriluwnth，who has inter－ frovol for ors with marvellon－linledity amb furce the life－animate and inanimato aliko－of the armaty whinh he knew athl loved．His Eituersmen is the
 shios，as Lawedl atply torms the distriot：and standont of Emedi－h juntry will mever loxe an interast in thase hallowed somen in whinh that




 at（onkermontle：he land lis orlowation at llawhic．
 homaras at limanere，and thirty wioner at lishat Somat：and he lies littingly，with hin wife，his




 for more than twonty years thereafley，was bomelit in loso by pablic ablaription for permannot pro．
to his frivial Mimminer（2tth seluember lato
 all，Fleat street and tho stramb are better plates to live in for gool amd all than amodnt tikillaw．＇

Womasworth himself wrote a Description of the sionory of the Lukes in the Jopth of Euthond（1s－2），in which it is interesting to see how the descriptions glow with recol－ lected love．ant how hot is his indignation against all wantun attempts to artincialise the face of nature．He wonld have demounced the Manchenter scheme for liring－ int water from＇lhirlmere，and actisely supprted the aims of the＇Lake District I Defence suchety＇（established in（nc：is）．
See l＇rofessor Knight＇s Enofish Lak Thatrict，wintor－ pretele in the P＇ums of If molsurorth（150．），annl his
 ly llarry（rombin（1nai）：also Harrict Martineatis Énolish Jutier，with illustrations by W．J．Linton（Iから）
 Wangh＇s Jiththes in the Leke Corrutu！！（1－til）aml In
 may luentioned those of W．Hutchinson（17Tii），T．Wint





Lake－dwallings（liem：I＇fihthertin，＇pile－小wedlines＂，lablotations phaced on phations－ 1 p－ portad lis pibes，or nther sulatmetures，in the shathows aromm the mangins of hatere han only
 the tirst notice of it lathedvetling mommity Was writton lav IDPahna－in the tha remtury

 funted an life whiah were allumaches fom the
 that from the wor ratlint times down to tho






 harioh，and it wan feredity fomm that smiar
remains of pilu－dwathors，each indicating tha site of a reticeluel in the mad of the lake－motom，ex－ isted in proximity tu the shares of mast of the lakes in switzelame．Since thein first dinernary the sites


 phane of eaty rivilisation，whelt haw larea rare－ fally sithered into the musemms af switzerlomi， dicelose the comblition of the indmetrial arts ameme： the lakedwollers，ats manifented in the sumensive stiges of the stome bonze and irm pertionts of their culture and rivilisation．There is mothing khown of the origin of the lakedwedling phase of
 greater acomity from attack than combl be athomed hy a cluster of dwellingsintuated on the mainlime
 of habitations，amd when this had harome an atab－ lished ensom，the thansition was ensy from the seloction of matumal islamla to the construction of antilicial istinds where natumal sites for halitit－ tions innatmb water dial not exiot．An a matter of fact threr are several varieties of artificial lake－

Jwellings of which the supuence is not certainly known．＇The shlistmotore is usmally all that remains．It has hern fomm in some instances to he a mass of fondes，allul in others a mase of hrush－ woml，bmilt 1 口forn the buttom of the lake．The more common form in Switzorland，howevor，is a sulstrmedure of pilas，driven into the habshotom， amil the beads hrourfit level tosiapoort the platform for the hats．Whare the wathr is deep amb the hatton sult，the pilas ane driven only for a skort distance，sum stonses aremmolaterl armmal and among them to kern them in pusition．In some cases the lower armo of the pibles have benn mortised into a kind of bonizontal framework of logs，to give かrater stability to the suratrurture．The piles are manally trmetmoks with the bation，and the flathorms were frepmenty the same，thongh some－ timon the trumbs were split or roughly looarted． （ ）n this plat form the luts wrer resetedi．Nothing bually remains of them，but in some instances the remains of the lower tiors of hording bave been dotected．In all rises in which the form of the lonte combly letemmined it has been rectangular． lint it seems dempeible from the curvature of some


Figr 1．－Lakr－dwelling restored．
pieces of handemes clity，with the martis of inter woven lnamehos upme thom，that rimendar lats of
 were donhthos thatclued with itraw alme reeds． There were many hate on whe flatfom，ant ：
 fram the platforin to the shane sumedimes ather



 ithlumot to it sottlement，the pilas of whisf hatio






 athl piutially driad aj lake of lofallikm，atm Anomeredation hare small laker of that mather all stations of the storne age：Norinurn in the laka
 Murgen in the lathe mi（ienma，all stations ot the

 station of the irmerne．

In the settermants of the stome ang dha chtting
imphomots，such as axes，knibes，sus，sue made unly of stone．As tlint is mot almmbat in Switzer－ land，the latrep implomonts，such as axes，are gener－ ally mande of dimite，serpentine，and other lave and
 jalaite．＇lobe smaller implematuls，meh as haives， caths，arrow wints，aml ywar homas，are nsually minlo of rhipmed llat，hat the axis are ent ont of


 ware perforatod hy a hoole for the haft ware hored by a drill of suft woind wolkel with samd．＇The stone


 whidh the purforation far the hamale was made． Somelimes the handle itevif was perforated，and

 morticel into the hathle．Bithourn was mad as a







eultisatime on the at jacent mainlatmd theit crops of wheat. haley, millet, and lax, and rearime thoks
 the flat forms. T'liey were hanters aml dialers, ann] theif ford reem- in conseduence to have been buth varien amb plentifnl. Amonent ther animats thes hamome and whose remaine lave heen fomme in the
 amd hisom, the olk, the ibex. amil chamaic, the


 anomor the chared remmants of their fomd fras.
 To the same chatrinst action of the lise which seems in sereral eans to lave comammel the hatwe owe the preservation of many metimens of their textile falries, wowen of wrll-bum hasen threals. and of their ti-hiturnet- amo mat- mate of have of fibre of the lime tree, and mons and lines of phated twixa, of coral of tlaxion thread.

The bile-1welliners of the limnze are appear to have heen placed farther from the shore than those of the stome arge. The set lements of the bronze aige alvo exhilit an increane in the nomber of mometice animalo, and a conre spomliner decrease in the mamber of wida animals rated fir food. The pottery. thoneln nut thrown nomon thes wheel, $\mathfrak{i}$ liner in form :nml much mome highly onamenterl. witen with pattems of great eleganco. painted in black or real, and
 -etthanemts fommerl in the bromze acra
 finnevia, homze i- allmont the omly material u-ed in the matmafarmare of their imples $0_{0}$

 thenn an lomaze implernernt- ate in the earlier rettement. lint there are a 0 number of vethernemta whiclarent tolnce o exinted huming the tramition perime. in tha
 and bronze are formal minghen twather. The foma of the lotomse ahioet - fombil in
 from thane welterally fomml hilfu-d over

 tha loromze whaments, and the + Statoritio.





 combination- of atraisht lime and rimelo. The


 and sumbio. The kuive ine bary alomblats, and than in one laters variety witly atorson















The rettement of Narin in the late wi Sea-
chatel is flue lust known of the lake-lwellines of the irm ares. Sistarea ocenpiod by the pilas is
 ment wat moloulotaly a hame one. Sumeral addrons of than lownas with inom rine hambles attached to the rinn were fomml here: and a manhar oi

 were all of imon. They connivi wi shont conbla-
 distance of the pmint, and latere, bramb, aml thin-

 of the sumalidates are lamatomation aftor the andent mothod of damasernins hy welaling torether strijw of metal diflifently prepured, and smome have makets marks. 'llow sheathe are of irm. heaten bery thin. ind are remarkahte hoth for their Meyatre of form and the pecaliar mathere of their
 be Etrameian, hat it much more elosely reambles the style of mamentation whid is now known in Framee do fitulish, and is common to a series of


Fig 2.- Groum-plan of ramng in Drmateague Lough.
 lamb. Thu other aticho fomal at Marin are



 ambl limuan amal lianlinh anims. The latost of the romas is of the rojont of tar komath limperor
















 (I, $\dot{\mathbf{v}}$ ), from the celtie word crom, 's tree" "The crammes. howser, are not controned like the Sui- pile-vildages. They are either pababled whoge on -hall i-let- of matural formation, or
 earth, and stealion and patected by piles alriven throngh and arombl the hatas. The problem pre-
 a maximum depth af 10 or 12 deat of water, at abid. compart and remerally cireular i-ham, witha ralius
 manent mean of refor and theltor for al comsider-



 haver of hose burethe with stomes, eravel. $\begin{gathered}\text { de, } \\ \text {, }\end{gathered}$ were heaped up till the mans grommord. As this promes went nin, pold of oak were insented here and there, the rough lens fomme the horizontal laym ware pimed tagether, and at varime lews eak-heams mortion into one another werestretched acts- the sulatance of the i lamel and foined to the -mmombing pilea. Whern a anticiont heisht above the water-line was attianod a prepred bavement of wak-heran wan motrubted, amblixal heanwere lath orer the topn of the encireling piles which lomm them dimbly logether. The marrin of the i-land wat alor shanting shaped be an intricate armangment of hamo amb stomes, chansitating a brakwater. Frequenty a womben gangway -tretelied to the shan: in other casen the onls means of acocos was ben cans, hollowed out oi mak the trumk. Mueli the same swom of comstruction aymero to have heen followed in lrelamt.
 1 momaleane Lamoh, in the county of lemtrime siven on a scale of 1 inch (1) 0 feet, shows al circle of pile andowing a space of bil feet in diameter, with remans of omplementary circtes at several point. in the interim of the main on outer circle In the contre is the low pawnent, $I$, alosit sis feet ly 2.5 feet, pobably the drar of the lor-home, which was the principal halding on the eramare. In the whtre of this pacment is a harthoplace, 1 , cowered with flat stones, still showine traces of tire. So the onteide of the pavement is amother heratl place, (". on a berl of till diay, while aromel at here the $100 \mathrm{~A}, \mathrm{~B}$, the top of which haheol dipord with a hatchet, and whid may hate ared a- a tathe. nome fond the ratha if the daily fond in the -hape of the hown and - flit lone of teer and wine. The ramber are demer ally wry murh -mather that the swire lake settle. monts, and fom the nature of their constmetion







 of implements of som and hrome age typos in

 Sootland of Irefand that tan with any 小ere of





 the. Johs :and beh anturies. The first tras.

 Nia mans (ixelo, at tributary of the belaware.

Ther enstom of hiving in woman homses erecteat on piles over the waters of a lake, river. or inlet ui the sea is -till pactised by harbarme tribes, and has bean texribed beyany travellers in the Malayn Trehipelago. Xipw Gunea, Venezuela, and in central Arica, Whon Ojeda, bepucci, and the other liscoveres entered the lake of Maracayo in 149), they fomm an Imbian village emontractal on piles alove the water, am thene callen it Vencandit "little Venioe'). The dwellinss af the I'apmans ahome the coast and rix. lank- of New Ghinea are hailt of hambon amb masol on -takes, anm are grompel together. ('anerna situ resular
 central dirina, each selurate, and aceosible only he jealomsty guarilet ranoes.
See Mumro, The Lohthellings ni Euram (1-90); Keller. The Late-dedtio!s of switerfund (trans. by



Lake of the Thomsand Islants, an exbanion of the St Lawreme (I. W.) extombing ahont 40) mitw bolow Lake (hataio. It contain some



Lake ol the Woods. a large lake of Korth Ameriei, stadded with mamome worlod islands, mostly in Gataris, but tomedine alon Manitoha and
 The lake is mealy low milo- lones and athat 300 in cimit. It is fer ly the liany liarer and Mranell ly the Wimijue.

Lakes (orinimally prowad fom lar. whence
 cipitatine aninal or woptalle colouring matters from their solminm chactly with alumina ir oxde of tim. Cochineal and madler lakes are the only ones unal by arti-t. The fomer are pratral with
 What of red, or burle rad. are known as pamine,

 lathlaberow he watoreolour painters. and are still in reques for fower paintines. hat they have
 himb, rallen] rome mahlar or mather lake and mander carmine, are on the ather hand yuite bermanomt, toth as water coloms and oil colomes and
 whow lake mathe, font they arre faritive and constyputhy hat litthe need.


 starch, amd a little almo. This there such hames as Vonetian, Fomence, and bellin lahes are ayplied.
 anil morone lake.

## Lakli. Siee Lice.

Laklinhi, in Hindu Mythomey, the name of
 alan to lat his female or crative onemp.
 French astronomer, was hom at bomg, ilth duly
 lue was attracted to atronomy, whinh ha-tulied





 in the profesorship, of A-twomy in the 'ollewe

 amb pablizhed sereral atronomical work of a
popular kind, as well as work-ni greater sementitic balue. In lats he was apminted lirector of the Paris ondervitory. His character was marked hy putreme vanity: nevertheles- he contributed greatly to the sencral progress of astronmiad simmes. His princijal work is Truite if Astroncomio (Ovols.
 the Latamle prize for the mast nutable astronomical hook or ohervation of the yeat.
Lallativistarat is the name of one of the most celebrated works of Bhalliotic literature It helonge to the northem Buhdhists, hat is of unknown migin and antiquity, existing only in a delased sumblit revion. It contains a marative of the life amo thetrine of the Bulltha Sakyamuni, and is comsere! loy the limdthists as one of their nine chief works, tieatins of Therme, or religions law.
Lally-Tullemdal. Thous Asticer, Cočt
 general. Waw horn at Roman-, in Damphint, in Tanury bine. His father, Sir Geram Lally, was an Irioh daconte refuger, and commander of an Irivh resinent in the Fimoln service. Lally nitinquished himself as a whiter in Flanders, especially at the lattle of Fontenoy: accompanied Prince ("hartes Elward to sonthan in 1-4.) and in 15.5 wa- appointel commande-in-chief in the French East Indian settlement-. 11 e commencel vigoma howilities arainst the Britioh, tomk many towns, and hesiped Madras itself: hot, hasine sustamed a -evere defeat, he was cmprelle! to retrat to bomlichery, which was attacked in March 1260 hy land and ea ly a greatly surerior lsiti-h force. Lally, however, holit out for ten momhas then, capitulatiog on 16th damary 1761. he was comrevel as a prisumer war to Englamil. But, hearing that he hat heen arement of treachery and cowardion in Inlia, he ohtaines leave to proceed to France for the vintiontion of his character. There he was thown inte the liatille, and kept two vears before his trial tow plate. The parlianent of laris. at last combemmed lim todeath for letrayine the interests nit the king an! the holian Company, and the sentence was expentert on !th May 1766. But his sun, supputent hy the powerf assistance of Voltaire, prowned a roval decree on glat May $1 \%-$, declarins the comimmotion minut, and restoring all the formited hommos. She Malleson's French in Intier (new el. 1-st), and Itamont's Fin

 Lafly-Tolexdal, bum in lani-, ith Marel 17.51, was one of those nolles who in the state- dieneral of 1-9 mited with the Thim Estate; hat, alarmel at the democratic tembencips of the Natimal A-xemhly, he afterwards allion himeli with the cont. Ho laborel to proene for l'ratice a constitution with two clatulnwand a pisibraed ani-tncracs: and earne-tly somght to lutert the king,
 the lapolation of 1ath limmains, her retmmed to
 at l'ani- on Hth Mareh $1 \mathbf{3} 30$. 110 was the anthor

 1214)

## Latha. see loldmi.

Lathtation (irom the Tilmetan bletmen, "quitual tearlur or lory") is the name of the rolicion pres bailime in Tibet and Nongoliat. It is limblliom

 -hip of cind, bat meraly of an ahnation of saluts. the latere is alhe the main fratupe of Limation.
 this religion unler the 'thee most precioms jusw.f.,
-riz. the "hathat jown, the "Juetrime jowel, aml the "priesthombewel. "The tirat form of this trimity is the bimblat lat ha in wot the ereator, of tha minin of the miveras a in buddhism, he is merely the fondere of the dowtrine, the haghe-t saint, thoush endwwe with all the qualitios of enpreme wialon, power, shtur. thal beanty, which ratse him heyonh the falke of andinary exitence. Tha semil jowel, in the doctrine, is the law or religion-that whind is, is it were, the incarnation of the lindilha, his antual existeme after ho hat disaldeared in the Xirrana. The thirl jewel, on the prisethom, is the congregation of the saints, comprising the whole clesgy, the incarnato ats well at the nonincarnate reperentative oi the varm- bublli-1ic saints. The latter comprise the five lhyaniBullhas, or the buddhas of contemphation, and,
 yeha-linhlas, aml pions men, whe lucame camonfond ater their death. Inferior in rank to thace saints are the gods and spint-, the inmuer chietly takin from the lantheon of the simates. The highest poition amonst there is oconpod ly the fand pirit-kings-Intret, the woll of the firmanent : Fiom. The gol of deatis and the infernal resions; Jomintult, or siva, as the arenger in his
 Loml of wealth. The wornil of these sints and
 Sarred text-, and the intomation of hyma, aternganied ly a kimb oi mone wheh is a chane of the most mbarmomou* ami leafoning anml- uf homs, trumpets, and drmm- of varion- lawidtions. buring this wor-hip, which take phace thate times a day the cleyw, smmonel he the whing of a little bell, are wated in two or inwe pose andoling to their rank: and on special holitare the temples and altas are decomated with crimblimal figures, while offering of that, hour, milis, binter. and others of a -milar matne, are made he the wor-lippers a amal marifices of oftroinse entailing ingury to life beins forbiden, as in the lome dhistie faith. Lamainm has three srat ammal festivals. According to Huc, there are riten corresonding to laptism and rombination: and the pricipal religime rermony clowely restulde- hish mas. Lamaism dues not allow the intement of the lead. leesons di-tingui-bed hy rank, leaminge or liety, are homed after the ir duath; hat the peneral mote of dixpoine of deat lonline in Tiluet, as in Aonoolia, is that of axponge then in the open air, to he devoured hy hirlo and lwotht- of pery The Lama mont le perent at the moment of
 of borly and comb, to callan the delettod - phit, and to enalide him to le relorn in a hatpy chistone
Ghe of the most interenting feathes of lamai-m is the meanisation of it herardy: Its -lumat is ocendied ly $t$ wo Lama l"dee, the one callod
 the weem-the "tram lama." widine at Phata, near Lhasxa-amd the ithar lwarine the tithe of
 hath beper has the rame rank and anthonit, in ghithal as well an in tompmal mather ; lint, as the Dalai-lama pun-s.an a much latere teritny than the other, lo is in wality moll fone pamer
 las comparal to the limana 'atholic carlinats and
 hitwhans on Ilahifoms. Their mamber is wey great. Thens thre deares repment the chers that dation to lue tho juramation of tha limathatic -aints. The batai lama and the l'an whan wome
 wreat Lamaint reformer, lifome kiak pat wha iioputed to have fommon it the $1+t \mathrm{l}$ cemary uf
the Claristian era the present sustemt of the Lamat hamablay. 'Thar khatuktas were in thair frion exi-tmene wher Bmallastic saints of very great yenown: abll the khabilemans ate these relmon boot- of aintly patrons whom the temptes and eonvent of lamaiom foraco in lommalles mumbers.

In ondal to asertain the reforamation of a
 Sbobetime the deceased had. hotore his reath, comblemtially mentioned to lis frituds where amb in whith fimily lar wonlal reaprow, or hix will contamed imtmations is this efleet. In most ins. stancos, howerev, tho sercred lowks and the willicial antrolown are romalted on the suliject: and if the bialailamat die it is the duty of the l'anchben to intmbret the tratitions and oracles. It is motersmod that the imperial eont at Johing has mame to do with the meloction than is almitted by the prixto. lown to livet there had heen no fewer than lou Halai laman.
bionions thone three classes of the higher cleray Lamaiom prososmon a lawer clerer, which, having nur Man to incamato laliness, recrmits its ranks on the principle of welit aml thenosical proliciency.

 the a-s-inat pricot: the relionom membicant; ami the teacher or ablut. Nll the members of these ordor mant make the fow of calibacy, amb ly far the whentest mander of them live in coments. the number of monks, in promertion to the prpalatiom, hoinernomoms. I Lamast eoment comsints ai a temple, which forms its centre, ind of a manher of lathlins comnecter with the temple,
 refoctory, ilwalling and other spintmal and worlily want-ailuemonks. At the leatur the coment is

 or the porsumial kiluhilahoun. In andition to thene oriber - of monlis and romsentr. Lamaimm hat likewios it-nmm amd numbertes. The lamaint hible
 lation of the womle, mamoly of the badilas. It contain not lew than lox:3 works. which in some ellition till low to los volumes in follo.






La Mamehat. See M.s.chs.

## Lamamill. som Nisitee.



 for the chnoln at the donit collere of Amiens, Whioln he left at the age of reventeen on juin the Frombly amy then waring in demany. Hawing $\therefore$ \&imal rapil promotion to wlietr": rath, he wat =ant in lifis to the farmome at Tonlon and Monaton, whote has became impresed with the Molilentandon forat. Accidental injumise led limm





 10 linthin- -on, lue batl the ofpertunity of vi-itiner




 'dardin" lamamek remathed for twanty fiw yeam as phoferan of whit we wohlif now call farortehrate

Zooblogr. In 1801 or earlier he had begen to think attively almut the relations and migin of apecies, oxpressing his conclusions in lxog in his famons Philosopthe Zoologique. Ui hix wher areat work, Mistoire ress Amimutha stots lirtebrere, he pmblished
 atid illness enfeebled hiv sioht and laft him for the
 TH one of his two danghters he dictated the last whme of his Invertehate Komhors, while to keep limmelf alive he was fored tor birt with some of his treasured collections, (ireater than his contamparies and immediate suceasons dreamed, lamatek died in comparative ohmenrity, lsth Wherember 1s2!), aced eishty-live.

Apart from his contrilutions to classification and dencriptive zodory, Lamarek had a twofold importance, an an expesitor of the now accepted theory of descent, and as an inguirer into the still debated factors in evolution. It is atsy to limel in his Philustmhir Zondurgitur passages whith fomelambow mams modern sugrestime in regard to evolution, incluling the theory of natural sebection: lant the gint of his thinkinge is faisly expresen in the following popositions: (l) Evary consularalule and sustained change in the combition- of lifo pordures a real change in the neetso of the animalo involved: (2) change of need involve new halits: (3) altered function evolies chancre of structure, for parts formerly lem maed become with incrassd oxerene more hirhly develolen, wther orgatm in slefanlt of mae deterionate mal fimally diailuear, while new parts eranlually arise in the marallism ly its own ctlortx from within lefforts de sen sixntiment
 are transmitted from frarents to oblspring.

There ran he no. donht that lamarek. though beyome douht an intepembent thinker. watm in-

 lated into F'rench in 1\%99. Un his contemperaries lie exarobed litho inthence-in fact it was mot till the laminian revival of atiolngy that the worth
 those who deny the transmi-sibility uf all phat-
 chansord functions and smommlins, the theory of csolntion accorling ter lamamels serms to he Thand on an unlemonstrated if mot aromeons hypo-ther-is; theme, on the other land, what latieve that individably aequired hararters are transmiswible from parent - toultivius. lamatek": theory i part of the solution ai the valutinais $=$ fumale. "Mos, while the majority of matmalists in britain anul (ixomany side with Dimuin and Weinmann arainst lamatrek, thequ is in loware a dintinetly hamarckian selood, amb a $h=$ mome of hio admirets has heren institnted; while in Smelicia what are
 mhatal ly many maturalinto of eminomer, sueh as
 evolution arombliner to tumbantotal baws of growth, fla the inherited raterts of tise and







 Tramfurminte Framain lamarek, an atmirable sktth of his life and work, liall. stse. .t utherghl. tome xii. (l'aris,


 Animuns sens lertibres (1015 20), weathon by leshayes
 ( 1 (0, $)$, re-edition with valmable bingraphal introduction



 (3xit)



 deomated for dintimeninhme combert in the mational

 In 1505 he withorew fionn the minintry to assmme the command of the sardmian tromp in the crimea, amil at the elone of the war wan invented with the Orate of the bath and the dimme ('rose of the Laerion of llonomr, and reentered the ministry in his former capacity. He bok part in the war of
 aml was appuinted commamer-in-ehief of the Italian amy in libla and in lyot primes-minister. In the campaign agrainat Anstriat in isget lee lost
 ant controvers a to his manamment of the eambaim. Latterly he was intraver with several diplonatic manims: he juefered the Fremel to the Pru-sian allianee: aml hin jublication (1873) of the secoet negotiations botwem lomaia and Itals incurreal hre consure bi prince biomarek. Ja Marmora lied oth damary $\mathrm{ma}_{\mathrm{o}}^{\mathrm{s}}$. bee a monograjh lys Maー-ari (l-4 (1).

Lamartinc. Ifrimoxse Mtiae Locis ne, Frenelo statesman and antur, was bom at Macm, 2lat Oetoher logo. Ite came of an mbraroratiot stock, and was ellucated in royaliot principles. [pto luly a consillerable portion of his time was spent in ltal? a monatry for which he had a lepl atheotinn. Wh the fall of sapoteon and the eotabli-hment of the bumbmos, Jamatime
 the darale linyale. Ho smom retumed to Itals, howerer, which he traverand on foot; and here, an his Eluer ahat ontif tratify he experienceal
 grift-which mitmandy made him one of the great singers of France. Jlin limo Jhatitutoms were juls. lished in $1 \times 20$, and at thiv forionl ho wa- aplunintod


 Jedge of international paltion Lamartine mamber
























 of the remolntion of Ihts. "Ther hinturitan movely

 to hime lemeanse of it- dmplicity, atad is hern the monarely foll le atcepted the inevitable. It was

 Which fomatly provatmed the lemphblie at the
 lisheal on the inasis of liluorty, equallits, atal fatio. nity, 1 he miniktry was eonstitutal with Lambutime

 to bule tha comints acording to the principles of comstitntiomal liberty, hat there wan an dityeme party, headed lay Limix Blane and Ledru kollin, Whidy sousht to mablich national womblomen and

 innefom the rofnsal of the Amembly to apmont a Minister of labour, and wholn eventnalls led tu the expmlanon of Lemic IBhanc, was matreseed ing the vinomone eflorto of Jamartine In dume, however, a mone serimas rining veamed, nom which the executive rommitter resigmed their functions, and confered the command of the fonces om Cemral Cavaimac. After a teribleconiliot the
 stlyed down from power, ame from the time when
 unsemphloma meams lis pulitieal eareve pratically clowed. He num devored himaelf to literaturo. jomblishinin in the oraler named the two serits of the
 Purves re st-I'wint. and that valuable euntilmation to the study of contintertal perlitics, the $H_{\text {a }}$ atrome de
 lertiones of hie former writimes, Ihecomes diofrs, and isobed montloy hiv Entretens Fimiliess. Lamat. tine continned to take an interest in puble athaits, liseu-ange than eloguently with hiv iricome, lat his patriotic - firit revolted againet the imon rule of Napuleon 1ll. In conmandrence of hiv. straitomed circmustancer, parlianest voted Lamartine a monlerate jension, and the I'ary townemmal premented him with a chatet in the bots de lionlowne Healied


 was born on the loth of fermotay 17: in (rown
 fatloer wane elerk amd eonlidential somvant to hammed salt, a walthy bencher of tha Jomar 'lemples. Fon'
 amb domestia life, wo ate indelated to hio ematy: Which form thes hest of all comburntanios on hiv


 lamb: and his wile in thas 'hamplas of whom thate



 Lathe bat at mever beat of age lat whtailled,
 Homplail, whore hor remamed fall the nest seroll








 Were




At that tima lis brother , halm held it post in the south ser llomse, of which sammel silt wits a

 situaturn in the satue comprany bat early in b! e


 sumb vear simmued sialt djed. The wempation of hic ohl eleak amd sorvant was at an ene ; and with
 and whatover Jary lamb cmald eam by madie. work, in whicls she was protioipht, the fimbly of four (for Joln lamb wis lisings a comfortable

 Ihalhern, and it was there that the teribles disaster ocemome dentine to mombl the career amd rharactor of Chatos lamb for the whole of his fature lifes. 'Ihare was a strain of insatmity in thar ehilamen inhoriteal from the mothers. Ther fatlor, whon had mavied late in life, was frow. How whe and whilisls: the mother was an invalill, amd tho stran and anxiety of the many duties devolviner an Mary lamb hagan to tell ipmon lar
 alteratum with a lithe apprentiee orim at work in thr rom, lary Lamb snatelnal mp ander fom the dimmertablas, sum stahbed her mother, whon ham

 hamb. It was a eriticid moment in the somms mins liftory. 'The fither was all lont imberile: the mother wits nu wore amd the whale direotion of :ttlatis for the sister's fintare remanem with
 tempmary insatmit. Jary woulal in the natmal


 ities as an altamations Tos riors wit this tront ("harle Lamb from that moment devated hiv life, sacrilioing to it all wher tios amd amhitions, :and nevor hisuinir in dats and temdermon for thity "isht vears. It was invitable that tha fathily
 the uld fother with his sum lharlen momerl to Pentomvill". Whata at surcessive lombines thes remainetl motil tha fathar's death. 'I'lie lomise in


 not matitime memorial of the sunt where limah

 thor. Wary Lambly remained sulperet to altacks of


 lemoth and fropurney of these perimis of atomate
 life. whell she was "xilad from him durimer tha

 hupe af marriage whan the daty of ambiner him

 (1) whill thome in forment pathetic allosom in hiz


 reother with har mothor in the villame of Wialford, in Ilartforlshim-tha werne of Lambis eatly mo





 loe had mate the gills aconatintances. Sha afterwarts matriod a Xr bartram, a landon silversmith, inm is referver to matrar that name in the m-ang /racone Children.
dambis earlitst futans, witten in 179.5. were


 of perms, issmed at linistol in 17 ani. In the follow-
 aplexared. "to which are mow ahbul jumens hy (harles Jamb and I'harlon layd." 'l'la latter

 Hore, as hefore, the poetio inthan". whlar which Laml, worte was the same that hat and stromely mosed Coharidga, while still at ('lariat's llompital-
 Buwlis. In the following gat lamb, and Loyd made a second ventme in at birht volnme of their own (Blome: Ferse, by ('hathes Lhayil and
 lamhe imdivimality mate itself folt in the tomeloing amil now famolis vernes on the - old lomaliar


 of chamb thomgh the ememmatame It was, lumever, in phase, not in veree, that ler wan to limel his trow st mintla.

In the sume sear as the $B / 6 m$ litise just mentionad he pmblished his litter prome manimer, The
 and funr ve:ac later his dohn Il umbil-the fonit of that staly of the dramatio funtry wi the liliatluthan promi, in the pevised sthdy of whinl the was to luser so large a piat. Lamblatil liftle or nu dramatie ficulty. The litth play was obme and valueleos as a drama, lut with dotadud
 ness ist Fletchar and Jonsom. Natatinne, Litab ami his sister wers wanlering imba lombing to lomiginer, tom often formed to leabe thanioh the rumbme of hary Lamlis madaly whioll followed them whatever they went. Thes land lisal at mome than me lumer in l'entomsilhe thes wore in



 amonir tha hardent and sublabes of their linas. Thas were very mat ; ('hatlens "xperimant in


 the drawback of brinuins 1 hateo fare tal for with - ocial temptations which her ronkl mot mast. A


 La what for the moment matre han formet loth.
 thl :





 Horems, bat for it tailuge. Ilin lowe for thimes lramatie som fommal at mone protitahbe omthet in a "omthix-ion from Willisun (ivinin for rontributw to

 1vor thait well known Tinkes frome shethesporeWary Jimb makinis the vorsion of the comalies, "hatres that of the traterdion. "lhis was Lambs
firs sucess. It bronght him sisty guinear, athl What was more valuble, loore for the fature, and the inceased confitence and reogntion ai his grow. ing eircle of friends. So one consergane of the surcess, the hoother and sister empmoed jointly two other chililren's huth- 1 his Lemesters wheme
 also mate, single-hamert, ar pore serion of the

 to edit a volume of selections frm the Elizaluthan dramatiots. The volume at onere exhilited lamb, to thane who had even to use, at one of the mose promand, shbte, and misinal of English pretical crities. Three years later at ennviction of the same fact would he iferpened in than who knew that the unigned article- in heish llant's Reftertor, on II Heatht and the tragedio- of shakepreare, were from the sane hamb and that a phose witer of new and mingup quality war shaming above the dull level of the consentional mation.

In lst/ Lamham him ister leit the Temple for roons in Great linsell street, Cowent Giarden. Sext year an enterprining ymang palinher induced
 neat voluner, an the Howhs of 'therles Letmb, and thin publicatim naturally pared the waty for hiheiner invited to join the statl of the $L$ somben Mugazine, then newly -tarted. Lamb was required tu contribute light pure essigs, and was wisely alloumat at frot hamb. His tiret esay
 smont seat Ihme." the pmble othere in whieh his time smatl salary wa- eamed, int where his elder hather hat remainem at high.plared and popperms alerk. Lambremed hi- firet jetrer Elim, horrowing for a johe the batue of a foreloner who hath been fellow-clerk with him in the uflice. Ther sionature wa- continued thonsh Lambis racerave contributions the the matue; and as he placel it on the tithophere (withont his own) of the tiret conlecter edition of the e-ays in 1so3, it bechne indi-sulubly enmecten with the wark, The series
 was concemen, in 142. . The. Lent Essoms of Eliue were conlected in a wemp whan in 1833 .
 romb ower the hamers in linsell Street, and mate their firat experiment an homeloblers in at rontage in Coblember liw, Hinston, with tha Sew River (into which gerrg. Dyer walker in bram haylight thowing within a few feet of their frat dow. Moremer, they were now on the ere of making a pheasent addition to their homeloh in the form of a young friemb, the orphat daughter of an Italian teathay of langatem at Cantridge. Clarle- and Mary Lamb virthally adogted Emma bola, and she was treated as a momber of their fanily antil her marriage with Elwath llaxon the $\mathrm{P}^{\text {mhalinger, in } 153 \%}$

Early in las. Lamis, whe had hern fur some time failing in heath, wate allowed to reiwn hin font in the landia Howe, the alienctur liberally Erating him of f"osion two flitas of hiv then salary: Ilaving how mo the to any partionlar nofighourhant, the buther and siter were free to wamber. Thoy took londering-and -ulmennently a home-at Eadielld ; hut lary Lambin healta luecomingeradually wome abl hecomitating comatant



 bats bear of their join live. It wan it ine fanduly veat. lambin own hath was sutterime. Tha: had lowt their young friend Eimmat l-oias. Thic abuphes of settled erempation hand hot homerit Latul, all the comfort le hawl looked for: the
separation from his lombon friemls, ith the now almost continumas mental alienation of his simar, foft him combaniondess, and with the death of coleridge in the smmater af $153+$ the chiof attrate tions of his life wate gome. In lecermber of the same yeat, while taking one dity him usual walk on the Lumlon liond. lae stmmbled and ioll, slinlitly injuring his fater. The wombl win in itevf thilliner.
 amble passed quietla away. withont pain, on tha* 2!th af December. 11 wis lomied in Vohmontom
 teen years, and was huried ly his sple in lly 1547.

Lambs phace in literature is mantue and unchal.
 hnown to ns than any other firume in literature, maless it he samuel Juliman. Ile is immiliar to us
 in the form of pernonal eonfideners: thrment his many friends who have boved to make known his
 mant fiscinating lunly of compermandence in our lamernage. It is a dangemons thimetosaty, but it may he doubted whether, ontside a necesanily limited

 ai their autlun. It is the hamonions conemble of disomathes in latmb that is the seeret of his attraction. 'The jonfonml and imarimative rlatrateter of his criticinm, whinh at it: heet is mamimer. and with it the reckless lmanom of the I;obmian and the forger: the presence of one lamentalde wathates serving tor thow intos stranere relied the patient strength of hiv lifes rugge; his lojalty ambl generonity to his friemit, ewn what they aloned it mont and all thi llowing form one if the most heantiful atets of desotinu in the recomels of self-saterilice: the wild fun of Trintulo and Stephano, alternatine with the temblemes it Misanda and Ferdinimd, of the profomm philnsophice musings of Prospero-amb all there libe Ariel, now ' limming dintimetly,' now 'meeting enm joinimer-it is this wombras bhembing of olposites that has mate Lamls, save th the 'smo combplocionted amblatter of fiat, one of the monat dearly forel amman Englioh men of fettors, amel with every sign that this love is one which no change of tate atrelikely to diminis.

Our chief authonties for Lamb, ate has own wrotings,
 late Mr Iustice Talfomad. Later editione of thate Morks have appeared, cularecd by Jetey Fatagedall ami W: C. Hazlitt. "There is a quite separate mumbir of lablul), of consinlerable interest, ley the late 15. W. I'rectiot l liarry ('ornwall'). Another memonr, ami a complate cdana


 be cited as an inter-stimg work.



 Carignan. Beantiful amb rharminer, she win batle

 panion. l'rince: lamballo prosed hev dobotion






 jomm on that fatal day shar wits cut to the fimmol ;





Lambanyequre a province of lem, with at pop. of siforo, is mostly a ramless, harren romion, with -omur fertile valleys. The eapital, lambayeyme, situated 7 mites from the momtla of the river
 hats mannatures of woollen and cottmin fathies. l'ap. 1;306).

 and mathematirian, was born 23th dnerust 1\%:2s,
 ively cletk, sardeary, aml private tutor, stmbed assiluman, all the fimm, and at last lived the life of a mivite rentleman. In $\quad$ gibi limederick the freat mande him a member both of the ('anncil of Arehitecthor and of the Academy of Sidences. De died at borlin, esth 太心ptrmber 17\%. Lambert was the first to lay a aremtifo leasis for the measurement of the intemsity of light, in his Photometria
 the anatytieal mothome of mathematios. A work on analytioal lowie from his pen, Seus Urgenom (2 bals. lotid), was coratly valued hy Kant, with whom lambert knpt up a corrempolence. of his uther wom (1761) sund folo!pe zur Ampitchtomik (17\%l). See Ilubna's Life of "him (lseg) and Lepmins's monergraph on liv philumply ( 1881 ).

Labmberta dond, one of the eliarf ahliers in

 studiei at the lmos of Court, lant m the matbreak of the war became a eaptain momer latifas, and thereafter showed such conspicombs eapmeity and comrage that he rose rapilly in mank. It Marston Mone he leal Faidfax's eavalry on the right wing. Was commarary-mmeral of the army in the north after the formation of the 'new inolel' (1645), major-menemal of the mothern rombtios (1647), hedperl ('romowald to crush llamiltom at Preston, captured l'untefrate Castle in Nimeh l649, after a three monthes abere, and was thms almont from Lambon daring the tial of the king. In 1650 he went with t'romwell tos Soothan ats major-general, lead thas van at bunbar, mext traverned Fife
 followed Charles throngh the western thises to
 merey eommandab the tronge an the vistem hank
 imstallatimn of olivor as promeotar, but artively "plosed tha propsition to deedare him kimer. Ho was umable to tabe the wath of allymianere to the
 him. Whar his drath he bovame the hamb of the "abial of maloontent wheress which merthrew the




 warlo, di-mixing the remmont of the limmplatiat forent, vistmally zosmmed tha emants alomer with his oflierss mider the tithe of the committer of











hat a much larger atra, whomed hat two members. Lambeth linifgedates fomm Isfog. Lambeth Fatame has hern the whicial resibleme of the arehbixhops of Comerbary sinee 1 bli\%. It eontains at - plemind suries of purtratis of the arrhbishons, ant at valuahle library uif 30,000 volumes, with many fine
 paratively monlem times from the notion that heretion were leme imprisumed, was really a water towar. It thates from 143 t , hat has been restomed and momernsed. Siee the has. d. ('ave-homme's
 JEaisees. 'The Lamboth Articles, drawn aj' in 1505 hy Archbinhor Whiterift ant utleers, wete nine in mumber, and prommecolly ('alvinistio in doe. trine. They were lisalpumal by dumen Eliabheth, and were never in foree. see aholborloros.

## Lamb's Lettuce. Seef'ors Silati.

Danmbs-wool. an old English leverage, eomponed of ale and the pmlp of roasted apples, with harar amd ripees.

## Lamulliliranclifitia. See livalites.

Lanmellirorimes, a very mumeroms fimily of heptles, for illustration of which see t ockell.slese,


Lanmentess is commonly dur to some almormat - malition rither of the joints or of the mandes and fasedir of the lower limbs: mere difierence in length hetween the two limis, even to the extent of an inch or more, is not nevessarily inemmatible with a matural wit. It is generally ome of the earliest symptoms of disease in the joints : and mamanent stithess of any of theso, whether the result of disease or of illoury, always involves some degrees of lameness. The weakness and imperfeet develypment of the mascles which usmally follows infatile bamlymis is une of the commonest masenlar camas. Sevre womms or mpotme of amy of the impnrtant mondes most also be mentiomed. Emmaturally -hajeel or ill-fitting loonts, with the corns, bumbons, distortion of toes, imel other ill effects they proluter, are is fortile sonare of lommeness ; lut comblitions thas prohmed are gemerally in smas degree amomable to treatment. Ammor the camser most apt to ler overlosked ate the slighter degrees of that foot, of contriation of the calf muscles, or wher maseles whose tembons are inserted into the lomes of the foot, amb of the pantar faseia. See also the articles

 at it Daha, l6th Jnne 17x2, the fumtly of the six chilhen of a merchant and shipmoner, who was enmmber in 1785 ly refnent af the statos of Lhittany for his jeatriotia servicen abll for supplying chasarned corn to the prour doring at time of soareity, but wher was too monlos to lase his title or the privibues it hore. Ilis mother was a mintly woman of remarkable ahility and of lrinh lemend whodied when he wis hat dive years ollo. He mery "1] Nomdre amd small in stature, hemoms aml weak in health, hant hely and restlos in temperament,
 read widner at his will in his unele's library lle

 with eredit in lane or latos. bint tha dammant pascion of his romtlo was molitary monly, amblow aidjes eompanion were dombe ami nelamehole. It is a fact mat wifhome signilicanere that his first





 atapha lilnary, flo hoil enlanation of lamenmas
beran. In 180: he translated the fruthe symituel of Lonis de Hois: Xapoleonis police -mpresed his lioftrions sur tethit de l'Ealise (1vis). He
 of that perion reveal a wein of lofty and sumewhat mestiocl devotion and an inward joy of which he was to taste lant litto in hater reats. bint stmb, paser. and meditation comblat matisf all the "raving of his matner, and this exatation of mind won qave place ta the malaly of gonins, that varne burest and di-tame for ibe preant whith was the fundamental undertome in the constithtion of Lamennais. The years from laits till 1814 he spent in a narow rainge of whies, shat ont irom the world, the valtures of varne untest tearing at his heart, white he remaned forging the weabon of controversy. He taught mathematics in his hothers moninars, shared lis ynarrel with the new univerity, and wrote wgether with him the ultramontane and anti-tiallican Tredition de lÉqlis. sur CTostitution des Ectonues (1814). In 1815, dnang the Humbed Dass, he took refuge in Londin. Where ha was hefriended and maih inthenced he the the Carom. In November he returned to Paris. and with sure miseivines loed, before and ather he was ordaned priest at Vames. At Pari- in Mareh latij he woote the first volnme of his finnou- Esswi sur tIMClifferente on mutime the Leligion (1sts-20), a magnifeent, if paradosical, denomelation of the risht of private julgment and the doetrine of toleram-itaelf but a virtual mbeliof, 'a new biml of pernecution arainst the chmedi.' Thar whole is a probuic azanot the individaal reanon on whilh certitnle camot rest; its com-
 on the unity of truth, and that all systems hat the Tatholic lestroy me anther and leal tosepticiom.
 examined aml refoted: (1) that oi those who,
 necerary for the permo-atheinm, and the oranised religiou- phity of the empire: (2) that of thoe who hedieve reling to be neces-ary for men. lint that fion has mot wiven any gerial revelation of how He would las whapheid-natural religion, and lath-century dej-w ; (3) that of those who helieve in a divina ratelation throms a book, but hold that from has left men to interpret it for thamsulves-Protmantion. In the Dofense de $I$ Essmi han aned apmonto of the most opmeite camp, advocates of fremom in thourht. Galliean monarehiste who riusal to admit that the soure of all ththority was the hals see, and Cltranom-
 to time whent ion the 'hriatian revelation in an analy-ic of lonatan tradithon.
 at linme amb it is siaid that Len Xll. was anxins th Live the hew Bownet atardimal's hat. But swon after this other alrualis thatn thone of a pure
 mind, and aloway notion of pepmbar lihorty alpmar







 lifurty of tho prose of itatration, and of diache-
 athority in la:3. Lamomate, Lamodara, and


 mont intmo-tine of ath the writion oi Lammatio. Hi, Itolinew bremory XIS gave the ardent whane
bat a quarter of an homr: andiene talken to him of art, pointed ont the rlaw in a lime of Miehad
 oflered him a pinch of small. Siter watiner in vain for an opurthaty of comfermor, they retmom dombtind imd divearemeel at the enwardly chicaners and warldines of limes. A menere comdomation

 signed obedience, hat the iom had entered hiv ond. Lhe retired to ha (henate, amd then watedm with sinkine heart a mere shameful hetraval still of his Minter las the Vicegment of chrin in the timal
 be Rensia with the sympatly of Austiar and hetum the alprosing ace of lame. Itere, in mo week of rextless walking under the bikn. her pand ont the pephetic ingpinations of lis whale heat in
 rather than a treatise, expread in thythmal prose arranged in short verses like those of the Ridne, muler foms now paratwhe, now direct, at one monent recalling the gloom of the Irfirm, at another the tememes of the Imitotion. The apoalyotic emprean is a wing far alose the rales of logic, and it in imporible to ret forth lomedely the doetrine of this straber lowk futher than the deseriln it as an illonion of a prifort ancter ideal, laradisac, posemed ly lone, himdered anthite hy the wickednes of deporte, lut ultimathy to he ellectuated hy perfect liberty. TThe look mate an extramhinary spation: sainte Deuve tello on how he found the eomporitons wathend pomal while one of their manler reat the Als. alombl. hin wice trembing with amotim. To dhachmen it wa-- the apocalyne of Satan," the hemet romef planterl
 rupture of the apostle with his ohl amomatem: repuhen ho the prope, he had made his apreal to the prople agrimot kome, itself heome faitheres to it-
 ahone. His further lnoks, Le Later dut lempe.
 Pemple, were hut weaker echnen of his mastepince. Fur one he at a year- imphamment in samte Pelacie. In the jevolution of 10 ts he started baper after paper, and jomed forth a succe-som of pamphets while stmang on harely thant broken friendahip, ill health, and powerts. Ilis fiety smavised the shipwreck of his fatho: he hat the gift of attaching friend- who still losed the man whatever his opinions, amb to there he parred forth his thought. in impethons swifther a he paced up and down, his limhe trombing with comotion. deare find deorihes his ansure ame majestie face, the brow an minnen wall, farowerl letwern the eghous with these perpudimbar whinke which, Latator sats, helone exelnively tor thane of hifh calsurity whe think justh and mobly-its rigid antolity eror lightomol and




 ate reventien to truth, flue fommlatime of whiwh
 life a very martymbun. Lamemmaio sat in the
 drame of p"pular liberts. At hiv death. "hich

 dases, withont whinims rita, in an immathol



 twory years. His brother and sister kept bock from


 sophoiquts et litte＂triers，was quite worthy of his name．

 lettere．Amid the etorman of his later life le foum enn－ solation int writag：han areme and large－mimbed Estursse
 really manarkble of all hio warhs．


 E．sember，in vol，iv：of his Eftulos sue he Littivature foutempurail＂：Fienan，in Esselis de Morale it de
 font 19：（1sina）：and d＇aul Janet，La philosuphe de Letrle＂tutis（1）！ 1 ）
 of the（Hid＇Featilnent which，in the preadent artasernent of the flebeew Bible，weenpies the sixth plowe among the Hagingraphat（hetween

 Jra the＇loalmad and ehewhere it is calleti the hook of Kimoth（＇elemiss on •lirges＇），\＆mame which reapman in the fiplomaint tithe Thrimei（Lat． Lemuntretioness or Lomerutar）．The fuller title，
 dand in some Jsti．of the septhatint，lut in bot an ohl a－the shotion form．The bark comaists af live ditern or limments，the first fome of which are alphahethod aloostien（like l＇s．exix．）：each at the
 which has siviysix．In meneral Mharater tho tiast
 sentation of the $\underline{-1}$ eat calamity that has Indiallon the eing and ferne and then rising through the
 hiv ju－t rometahere on the ememion of hiv frople． The tifth dillem fram the other－in that it taben


 which athobates the athorship of damentations to deremiah．citn be traced to at mote pertived to
 they ato now attikeled tor the looks of that mother． Perlatso inderen，this tradition in alruady implami


 tion of tha lashk of Lamontations to the madnot．
 complemb dillerent is its shle from that of dere－ miall：same of the inslieations that wers at mus
 aylear on closer examination ：aml the amteipatan restomation of Israd i somewhat dimomilat in the Lwo wolls．


 shath（ 1 Hige sher＇s romematury）．















from Fremeriak the Great of Prasiat to attle in bevin．In（iermany Lamettrie emomand lis



 whicla le pablished athanst the medjeal men． includings subl hratt authorition as lioerhatwe， Linnatro，Astrme，Winslow，Nr．Lamettriedied at
 woter atmemoir，which he eabaed tu lie predixed to


 （Gnépat（Paris，1s．3），and that by Du Buis．Jieynond （Bulin，l


Linnination，the armanement of robss in thin layers or Jamina＇，the condition of al lace propr－ tion of the earth stmata Shate deposits exhibit this stracture very plainly，beine frefinenty easily －Patahle into the thin laminer in whing they were ariginally deposital．shate is the time redinent that mottles down at the hotton of sman tranguil or slightly－moviner water．The laminar indiate interriphion in the suphly of tho materials，which
 frempent or prombical thonds，wh hy the carrving menlima having acesos tu a suphly of dimerent
 back adrint tomad．＂J＇lue laminar of the briek－elay drpunits are eeparated，in many bitcers，lay the finest muinkliner of mat，which is almont imvinibe in the rertical weotions．The lavers are areasion－ ally ohrions，fonn their lexing of diblement shatem af enlons，aften pondued he the hlembline of the layets when they were deposited：but frequently
 lued sulamogeneons，that exeryt when the face is expmed to weatherime，the lanimated stmetme is
 frome the shortmes af the interuptions in the demosit not permitting the sulidifiration of any of the lavers until all wats leyosited，when the whente set enhered torether atm a single luel．

Lammmandily．the l－t of dreant，is me of
 Englamd．On this dits．Whed is the fots of st Peter at Vineula，it war entormats in eatly times to make otheringe of the limetroit of that liarvent，
 （lit．• ladfonts＇），aforwath computad into Lam－ mat．In reothan it wat an ancient pratioe with firmers to pay the halifecar－remt dare at Whit ambly on Lammita－dity．



 Whit，strip＂alony the shatt of＂and foather ：the

 It is the laterest hime of prey in the（ohe Wiold，




 infants．lint as tha fort itm elans ane compara







monntain, and the llimalayan, where it often sham high alove the laftien prats. The lammergeter


is mitil ly some to lee the orisinat of the falinlons "roe
 hill in llaklingtom ams lierwick thite, extent-
 VFater to the tiemman theam at st Ablis llatul, and endminatime m Lanmer Law ( 1733 teet).

 Nintes, lith Forbuary lank, anterem the abmy an
 Algeria, baking bart in nearly all tha military evonts whieh menmeal its thail comatry hetween

 to at sucee-ful mond hy lue vipume of that rhinf in 151\%. Indme Jth Lamorinione eommanderl tha
 antrelite tomults at the sorialiols. Ile was war-













 whtamen les haming bemine lich in thate element.





















 of the Xicilian commante of Licalta. It hate $1!1$ mitu-
 and some wrain. P'sp loty.
 2: miles berail NNE. ni ('ammarthen. It is lha

 l'川. 1443.
 montlo (Cyelomomata, 4. צ. ), nealy alliell to tho Hare (q. 5. ) and like it dillering markenly from


 a primitive brain ingerfecty rafed in, a süplo meidian no-tril. a surtorial montla with manormhomy teeth on the lips athl on the lange pintom like wombe, sefen hatm of will-fouchen (Whone the dir-
 many apertmes to therexterim, amb enmental inter nally with atule lying hemeath and commanicatime With the adult gullet, amb the otrikins dillemenees
 less technimal chatateteriatios. They diltor from lian in the development of a domal tin, in the finct that the nasal prasone end- blindly withont oforing into the pharyos, and in soreral perulianities of the reppiratory and other systems. Jlomes with letromyzon, there are seveml wherat-a. Mondariat and Gentria from the coanto of Clili and Australja-
 rivers inn seas of the morth and sonth temburate regioms, amd at least sombe of the marine fomms -pawn ant pras part of thoir lomg larval life far up rivers. Ithey senn tw represent an anciont race,

 called 'chmolonts from very pally thatia are indontified hy summ as lannury ieratl.

The halita of lampress are in many wals "urbus. "llams, thongh they will rat voraic, larvie, small ermstaceans, aml ileal ammals, they
 of dixing themedren to dishem and scrapobing holes in thar -hin. 'The menth -tick- lika atamom
 and louth lesh aml hami ame than obtaimed los at



 lihime with the natime lampres attachool to them





 A-tach than fom thar land. Whan tha month is mouphell in its muthial work, water farase in ats









 lip small and wolloate, the momath touthlose and


 sum. There is in fine at metimarplasis in tha listory of the lampres. as wan disomerod 200


Lampley (Petrom!zon mernuto



 others-ther change for the adult form in frempently












 on traps, and their eeldile lentuity of life makes


 'Themon pimitise latmon wome probithty skull oi
 ciple of thate matmad lituph wiss lomer retainmed in


















 whl lamal, thiok, inm smokit wieli. Ha was fol lownd in löl ly lime Smand (r.v.

 his ramme al dresumt hamers.



trivatues were ased to keep the wil as neanly as



 (0) emme inter getheral use. It wit not tall labis Hait Framelnot insenter him limal. Komwn as the - J"tembl Xombalor.' 'Ther man feotumes of this


 it and the tol! of tha "? linher, formo the wil ne thomber the piston :und so mamains at comstant -nyply of ail to the hames. 'The shimg was wombl

 How of cibl, wias rominteratod (om moterated -
 Hon roul in the inemaling tuhe. 'Jhis lamp, was simple ant allorlivas and somb sulplanted atl bither
 ai] tu the lommer: amd it is the lampetill used ley
 eme to mineral ails.




 mone limpind and watike than the fatty mis, rise


 bustion. The main froblom, ilatelute, for be ablom in the eomstmetion of at anorl patathin or

 in tha wil, abil on prosent its pasming will in the forta of smoker
l'mesions to the introdurdion of minerat nito,




 at romstareded rhmmery 'The leatiner foatmos of this lamp have lexn followed in miny of the latur



 lbilain in lant. Nime florn the mambindme
 of :rath fanmatame, and is ratrian on latrends in







 of limph has lecon womerally whoted in contimental















of a better supply of oxymen low all parts of the thane than hase lnean lowible with ordinary romal burners, and atre in comsequentere leme hiable to manhe. The most sucerofal lamp deveropment in Geat dritain have therefore hatherto bern in that-
 intronbod the [haplas lamp, with two paralled wiek :umb twornins in tha dome, proturing
 very pupmlar, and still leservedy antimuen on In isot Coptain Duty patented his 'Iripdex lamp, with there that whels arranged in the form of a triangle ofren at earh comer, so that an almumb ance of ain eirculates irealy all romble of of the there wiok-talns. There are three oproninge in the dome, and three Hamen whinh distribute the lioht nearly panally in all dientioms and this no other that-wick burner does. Thin is a puweriul harner : it has little tembency to smoke, and is easily manared.

The gereat difliculty with mand-wick buners haw been the procme a sitficient suphly of wasen to the inside circumferate of the flame. an, that they are wory liathe to sumbe after harning for a short times. To ohviate this sery serions obje. tion a romml homer was intronduced, wits a circular airechanel pa-ing up from the hase of the lamp thromath the remervir and throngh the hmmer, which applied a wond arrent of air to the imer sile uf the circular llame. This lamp of necessity Was male of metal, and, having metal tube pare ing from the Garner down throget the oil-wntainer. Was thon liahin to rase malmy the temperature of the vil, amb was comsilered too mate for general we. In lwa. luwever, Desma Defries intrulureal an impure lamp of this type, with a thin metal ca-ins encloning the fortion of the wick insile the oil memoir, and open maty at the bottom, so that no oil or wil vapur caneseape from the lamp except lay pating ap thronst the wiek from the latem of the rewerwir. Dy this means the Defries lamy hecom a prevertly safe lamp for domentic use. Lut it is still not free from the drawhek which attithow 10 all cirenlar burnersvik. the dithenalty in malinars domestic bse of trim mine the wick quite lew all round.

A still later ablyme in lange for homing mineral
 A Atkins. which apiliou to nil illumination the remperative invertel Argand pincipla so sucema fully employ:

 ereater than with gins font them dithontios latw bern sacesofully werome in this homp, nom introned to the pulate hy the Wane Compans, mater dhe mane of the bown-flame shatowhens

 mite to form at dreular thate a alan rap under.
 The Hane rarres inwarl, :an! the fromburn of




 liyht prownewl.
 and cowking and the burner employed for theme purpmon aro arpurally adithtation of tha hat wick
 lanp for larnine mineral oils, and thi- nethen of

 tage th that matiner. and great venomy as com



 -ngineer to the cuparation of the Trinity llomse, hat riont concentrix wioh- amb pronders a dane Whane intennity is equal to 1 thl cimblion.


|  | Cintrite 8nw |  |  |
| :---: | :---: | :---: | :---: |
|  | 131 | tis? | 4 |
| luphex "\% | $25^{-}$ | 1254 | (1) |
| Trubus ${ }^{\text {Pr }}$ | 39 | 1761) | 4.5 |
| Dndrisa eirenlar burnur, <br> 1!-its. dtamt-ter..... ... | 49 | -3: | 47 |
|  :13-15, diatheter. | 80 | 30.1) | : 8 |

To hum mineral oik oncemently loth thenry and
 all part- of the hmar perfecty clean. so that the ingres of air to the flame may not le lewened or imperded her depasits of carhmined wiek, which arcumalate milos removel from time tor time when lamp are in wor, and which moremor bermare a sume of hanser from their liability to ignite. Lonse eperieme has also mawn that a mont frutinl somes of amosance in hurnins these oilv arion from the presene of water or moistare in the oil or in the lamp. The ereatent cate shombly therefore loe taken to ketp the wil and the lamp perferly free from water, and new whe hombla la: carcully dried before loines inerten in the hmmer. Se almsisety-lamb, Ltectiex.

Lamb-shell (Tewhotnlo), a :emme of hrachio-
 REshutomos.

Lamipyris. Se Glow-worm.
Lanark, the monty town of Limark whire, on a Whe near the risht liank of the Clyale (if. $\because$ ), $\quad 3: 3$ miles hy rail sly. of Edinlmesh, and $31 \leqslant \mathrm{E}$. of (ilaserni. It has an interosting rumed ehurelo, a
 (1936), a woml racecomse, memmics of Wallete. and ome wowing and other industries. A roval burel since the loth cemtme, it mito with Fal kirk, de to meturn a membir te parlisment. lap.


 sene if the andial expriments of his andindaw,



 Frew hires. It- lempth is on miles, it- wreatent hrealth :32 miles, ami it area hs! eq. 2m. Irained
 atlluents. Latariohtine is sulativided intu there

 W.3!t. These nfler a strihint diversity nf abpet















 !! ! (


 in matny of the lower alistricts. lut often enld ind lonistrons on the uphanls. latharkahite is not at Grationtin omaty: but mand of it is exerllently andeted for the reariner of stock amd for datiry phe



 extensive and ame motien molle the fomas-lian-



 (Siont - Tilliotatlem"), the priorian of Blintyre




 Thoush only the twelfth in siace, hamandire is far the mant ]utplom- and weith hy of all the


 an increase diae larsely to the thatheneme hither of

set works ly Hanilton of Wishaw ( $18: 31$ ). Irvines ame
 Cosfmibege, lifinit, de.

Lancashires is a commat palatine of Enelamb, ranking sixth in goint of area, diset in prombation, and lirat in retam of revenate fomb all sambers. It
 stretelning alomes the shote of the brish seat from the river Daldan and the mommains of ('umber. land on the moth to the river Herserem the sonth. It is hamdeal an the E. las Vork-hime on the W. hy the bish sea, on the S. be ('umberland and
 extrome lemerth from $\underset{\therefore}{\therefore}$ to $\underset{\sim}{\text {. (inclumbing tho }}$














 antlot tu the mammere of tho mantry in :





 lulty hills on the rats dultur it trom the lame "imk, while the prevailiag wimh, thome from the:
 the dialf storam. 'Thic hamidity of elimathe is satid










is intrisected in the north and wast bus branches of the hill system white runs southward throngh the contios of York and luerby, the ehief eminences

 ( 1.545 ). I'lue soil is peaty in the mplimh distriets, hat for the most part a fortile lowan in the dhats. ( it ts and potatots awe gemeral crope : wheat grows well in the sumthern tivisim. coal is the chief minemal prodnct, the catliolld heino. extimated at $217=4$ m. in extent. 'Ther littent estimate an the 'prantity raised in onte yedr amomed to 19.100 .0 or fons. Limestome alme ibon atre eommon in the merth.
 The whole surface of the ewonty is ewered with a network of canals and maluatre which monome the frine ipal manufarturing ami eonnatorial rontres
 Brax, de. ) Lamenahire in the ermat contre of the cotton mamfoture of the womb, havines alant twothinals of the entise trabe (sete Cotron). The other textile monnfactures. such as woollens, silk, atreets, art likewise of comsiderable importance; It is pre-thoment in the mathofacture of ematheres tords: and the makinerof all kimbo of iron wn! steel
 silimidinis. the mamitature uf lmons and shoes, hosiery, and kimdred trabes atre aloo in a thombling combition. The comaty reums, sime lasis, twenty-

 - hancanhire Witelats, whith is now usel as an evpresion of aldmation for the yommemaidens of the comaty, thone from the pravalence of the erime of witeheraft in lameashire in the reish of hames 1 .


 belonged 10 the witelun of 'simblentury: A few

 It the time of the liefomation the limana 'atholie phty was exiremely stmuer in latmonhime mut roligions homas of ervat wealth and influme existed in every district, twentretwo heiner sult besoed hy meler of King Ilami Vlll, this in-

 band-awners still milered in the retorn of .lanes.


 pobne the ('atholise of lamotanime lut entirely falled to do sor. 'J'bre whole of the district was contimatly tusethed ant full ut alisembtenteal


 :und matural history, then bejng amongst them many workimemen wha are buimints and entomolcegints of repmote: while their pelitics amb












 в




Soe biaines．Latmothore（lash：hew eql．by eroston．







 built on the－ite of a laman cobale and＂an－ reatored he John of diaumt．＇timu homomed lam．
 chard of of laty thath century bontain enme
 Hongital is an a－ymm for man hilhem．The


 carring the lamator（：anal atoros the river．


 doth tahbo coner．machintery．amb railway plant． A publio park wat pasented in lask．Sir li． Wwen．the athatomiat．and Dr Whapelt were lam





 （ハーシ）





 it comtan－the Framblin amh Mar－lall（Geanan
 the－amblouly．There are latce cot con－mills，and

 tohaceo have lewen linitt．Fumben in 1：30．Lan－



Latraster：loway UF，way moted in tha reigh of Elward It．．the fignits of romentalatine





























 aplointment：it i－the plation the moner it on a －tate－man of aminome fomponty a momber of the rethind．Wha is experad to dovite his time to






## 1．

 Bho commatmed the tir－t fleet of the Fawt Iondia
















 named after it－insenter．which hat at home of
 and wa－－upmombert．

Lalleaster sonnd．a watom unt of hatlin



 ley faty in ind？
 Wan harnat Little Eatom，near hmmand．in E－wn．
 diseovered that hio stellath lay in painting forit．








Latler－


Lancewood．at wowl valnathe for it Erait




















 11 milas 11 , of the lihine and 17 sl , of Simes Fomuled and made an impurial city in the lish econ. thry, it has som, interthting ohd eharehos, and phayed a prominnt fart in history a a tortros. buring the Thirty Sears Wiar it wat taken dight times ; in lowe it was fortited hy Vankan for Lamis







Landallor: a santary station in Britioh bulia,

 pig. : $: 106$ ). It is on the slope of the llamalayas, 74.79 fent almw the sea.

## Land-arab. ser Chas.

Lander, litelatio, the dixemerer of the mouth

 sorvant to Soknte. There 'lippostom died, and Lamber, retumbig to Englame, published an ateomit of the expedition. The Britiva gemment then

 hamer romes of the Xiper. In 1 s30 thes prowed that the Gumra, ar Nigur, falls: ly many monthe intu the Bight of Benim. They puldilued id Jomont
 (x.3). In the comen of a that expeditim in the




 the lifor Cum ( 2 vols. 1430).





Landes. a maritime department of onthern France, on of the laren and mant thinly peopled in the comitry, is bambel on the W. he the Pay




 forming one of the drearien temons in limpar. The inhabitate are montly nit bacon ture, math and



 (timber, min, comb, chatemal, de.). Fowling and




 of draming eprrations and the planting (rimm
 in the redanation of the sail and ite enltivation.




 shelted ambatly. The mineral -prins of that were howw tatho lamana. 'lare railway fom






Landerave. a bitle of superior distinction larne by rertain romet- ( $g$ rof -rig. of Tharingia and Heses-in the former (iorman tmpire. They were the comstitutional sumesemp of the old rulers ( (romats, grate) of the arisimal comuties (gume) of
 of prinees (of the lirst elans) of the cmane.

## Landenard Fort. Sew linawiots.

Lamd Laws. Land being the minemal and necerary bisis of exintomee of the hmman race, it has in all comotries luen dermem to be suligert to
 manity. Of thear mee in the carliest there of somidy we have mo writtern recond, for they wre in force before whiting wat invented. Rat we are ahbe to trace their probialse orizin and tirat dowelopment partly from traditim, partly form andmas Which smave in later perjods. and batly from inwestigation of the syams in fores in rubl nations Whan they firs come within the riew of comperent blomers. The fumation of rulos heuins when civilisation or puphlatjon has allanced so far as to
 Prome to that time the only baw wat that of the st monest : ©ath man or earh tribe oreupied what he or it could comper, and st muth as it was with
 sion. Il unting, amid aftrowals patherage, were the only wes to which land wate then dowoted. lint as the thibes prew in mumbro, and is nomad life became fatigning. or inaldenate to supply the
 the emaldidment of sethements more or less permantht. It is at thin atage that we hergin 10 meet with the remgenition of moles for the rexulation of cuthere and juxasion. The Roman "ritero, whe waminnd with marlind interest the empempray inatitutions of their carman -memine shan no one of the earlient stanes of -otterd lift. The wealth of the tritue laty sill in lowe of cattle. hat a jurtion of the lanal atoment
 ally abotted to head of families, and wat changed in rotation from one (or another, an an the arme equality. Sind armarment-sursior in Emane to the prement lay. In hervia and anme of the ad jatent prinejpabice the family property is sill lielt in -omb dequee in commoni and aris member of the hompholal is emonderal to haw a rioht to rewide in the family dwellinge and to share in the prowture of the family fiello. Thr lamian mir. or village,

 of the villate lants, and fointly u-a

 it- weral fanilios. Where the latnd is fene the division is selldom eltanged, hat whore it is ridu a

 in Lhalia, thongt there tha divinom has heane







 nute by the presure of minghmars, while wery var the manker af mothos 10 he fall within its
 and mone manare mat lue mion to the soil to "atrat from it ingenand return, ald the indiviluad who hat male hia allotment mare fertile thim his
 Whill has hern rompatatioly neglected. If he
has either prower inthenere, whith probally his
 retaining hi awn flat. and on hathdier it on to
 will make a like rlam, it eavily heramo exablithed a-a right, athi the mone that hamer is emplowed
 the tithe teme to herome. This tater has alway beem resthen by the time that the nation in whioh


 a later hate frem tralition, of fom themion of xami
 bithe to a certain di-triet, hat that eath hember of


 nit entail. "moler wheh alienation was only valin for a term of forty nine seato. In liremen private
 family hat it - permatuent hatmalloted to it. The survial ui the belea of ommmity was limitod to the combum hams. Whind he compert herane of immense wtemt. Bat the dijeat of the agratian astation wheh emer- .ar many pare of Toman bistory was mot tor resert of the mighal enmmanity of pmomoion, lint only to seente that of the remainine "ommon lanl-ath citizen. howerer
 for lif- fathe paracoion in exeln-ive and private propert.

Fomithi- baneral ketel ai the migh of private fromerts in land we mity now pread to emonder it-inowhament in monem time and e-vecially in the [nited Kingrlom.

The - wetem of ownowhip of latm in Englamd unter the saxum was mbetantially the sane as
 ample -pare for all. The village commanity re-


 The -math area of lamd muler tillate wa* apm-



 Thi- villawe eyten, with it- right- of rommon.
 tim: and in mumerni- dablet- it may sill
 and in the lowal cotom, linl at sat change of

 grens of on the cominent. Imper thin thems the whate latil of the ratha win deaned to he b-and pimatily in the anomide. lay him it

 all thater of a vaseal th hi- homb, ant in enperial
 ham in "ar. Dhetath in lath dution imbond







 Bialt of at simal the ald. bat repuired that the







 arter of the hand law: hat hate chietly atheremb ho
 whes of the arat molder. the mort- if latw,




 hy the comotr of lath. l'arliament parad act for liadding aldonation of land in mormain, rlienly
 chard. Bat then were deterted by the lomat of




 hod for another, whagan was to hohd fir a thiml perem. It lan a device was lit monh ly the ingmaty of lawrer umber whidh the efteet of entails hat heon attamed hay man of wat are salled retthement-. maler which the plemation of natural mone i hounh intor pay to indure

 bery larse proputiom of the bath of Englams.
 tion to another. limt at that cont of wave avic. arinins from the reataint placel on the pemeron the actual 1"A-veran.
 - hanship ; and the chaf of the elan, whan wat time maly the village hewhan, arquind in the esp of
 the commmity. Lut sulbinfendition wan never almation in sentand. If formed the hatri- of tha -ratem of converamin till past the midne of the Botherntury, and it i-still in pactival nee in the


 Pembing these which wote from the tir-l imposed upoll then in Enghand hy the tiotimo whind were

 entai] to acpuite the fees imple an buine to the next heirs the atimated salue of their intames.
Fombation hed -way in Frame down th the Rewhation. The intraluetion ai malern ibman of

 Whirls then-fell the mome heavil! on the fir wasal-

















 lamb to the lons, and were derdared to hold the



 р:

In morthern Enrope fobdalism tow no root, and
 who were the enltivators. The sivstem pancel from scombinavia to brkney and shetamd, whore the
 the name of mal risht.

The frimedes which are involved in the owner-







 ran actually work. 'Ihhe mblemataliner erystalliser into the mide that the werngation mont he suly of at

 a dorinite promb Sums mbes are imstituted whorever lumbes of men entablish thamselves.



 ambonity of the whole commmaty is awarted over such pertionce of teritory as lie within its powers (1) dolend, and which are not yat ayporriated lor indiviluals. The stato menerially sells these in flate to private indivilualofor a certan fixal price. This system gevails both in lisiti-h colonias ind in the ' C niterl states. In the latter the remaining public lamds arm vestod in the separate statos. sevoral of whibly have retablinhed ac 'llomestead Law, moler whicll cad matmrabiad citizen is ratithel to ditm a from orant of a certain portinh of wheropped lame on comtition of atotally cultivatines it. (For the prexent rlivinion of land in
 (Yoten STATEA, de.)


 femblamin, is that it is mitimately vestan in the statn me mation. bint it is equally aphatent that imlivilual ownorbip, subject to sum survires ar nher malivalont as thas atate may demame is
 whinl land ran lae mulased. It applien tho stimmbse of imbivitual potia amb anguyment to



 the lamd from it wrighal state of nature, whether
 valan of tha lamd an it at proment existm. in the



















 (1) tlat: , wher.

A momber of schemes have leen proposed for What is varumy callod "nationalianion of the lamd. Them all start from the priseiph which has bran seen to form in mast comatrios the hasis of lame temme, that the land is the property of the nation : and their ohjom is to anart this firinciple in the direction of recovering pasenaion for the nation frome imbinidatls. 'Ther firs of thene pro-


 torme to the highest wherer. stubatiently Itr
 prownt lodders, land shomble taxme in theit hatmi to the atomat of the fall rental valise. "scluling only sumeh value as had mixal from improvements atheded live the prescon lablare on



 heing limitad tor their life-interent, lant in lator
 H1: alar mone aloption of a monlilion form of the Homestaid latw of the I nited staltes. by which *以
 lamd in any sitmatimen motrendy devoted to that purpoce. for thi lar wonld provirnt to the state.


 "wnor-hip, -that is to sty, of bobing fammed ly thamberve withont intervention of tenants. Ollapy
 "omtemplate the :-meral diviam if the lame into
 of a ringle family whinli is recommmended as
 mberatal the blimate enltivation hy the vome



 nationali-ation of the laml. Tha fumbanental



 the diflionty of alisuminating luetwon urignat



 thas blape ly the sulatitntion of - $:$ :lo for imbividual cultivation, lan not in ans quatron lamen entered 91.
 awneraloy, ame natiomaliation, Mr Nill bomplat forward the dectrime of the right of the state tor
 Iliw buea wats lhat whon land mae romablerably











 The grown of toma i- latend dur to private antor.



possoscion of land on buthlinge at its migimal value. wonlal ammal the opration of private anterprian.

 c:lst.

I moler the name of "bettemmat, the increase of

 Ameriea ben subjetend to a malnated tax, and
 in creat lBritain.





 by the mle ni primmentitare, while the sululivi-um of land is the rexult ai latw- wi sucesemon whim promile that band hall he divibul eqnally amonor ehiblrem. That this shmald la dome in eases of intertary. While the marent is still allowed ther Option ai beyneathine the whale to me som, wonld he tha etheot of merely aboli-hiner the lale af pinms. Frniture lint the divdi Nobulom makes equal Tivision ammer elaldren a comphbory rale. The
 "ountriws. and inthe ["nited Kimsdom it lasexisted fonn thas inmemarial in the I 'hamel latands. Whe evil which thow tron it is the exersore
 Mtate in lanil. lint thi-rosult is portly attribut-
 purtion of the patemal e-tate which alisioms inot a nerasary comblition. In practice a re-traint
 in the habita of tha jmpalation. Where these tome
 in the (hamel I-laml, hat not in Frames) the inheritor uf a vers mall fration of land readily sello it to a moliflume ams ween the mice to set
 tion. I staver exil is that the -ame family constuphees fallow fram emapmbory disisom as were -hown be liman to athembentails un the eldest
 the iather* doath. which puts thent in avonred
 weakemend ly thas hombentar that aroludieme






 that mo owner oi propprty, whether in lami an per-





















this day is even mone prevalemt on the fimbimont than in lititain. Vant traters of lams in


 athes of the stricturse of british law for the
 comantry. The dewish law mat the minchati lay the
 at the julitere. In lyan ther bugeretion wats
 Lamel) to attack the wil at its ront haverlatimet that lamd slath mot low at subject of jurspormtial



 to sell a furtion. What lie rotained womlal he free from doht, what a purchaser andimen womblat

 hentericial estate.
The cultivation of lame may her either by the wor of ly a trmant. The former is the matmal, amb almost always the mont mbantagerne methat, in the interests it the eommmats, far it tembe to
 bring endanapl retmas. Che tirat hepartmu from this idea tikn"s the form (mmknom in lititain, bint common om that (imtinant, and wat inforpurnt in the [nited states) af eultivation on shates, or mitarias. I noler thic armangemment the lamilome fumbere land and wemerally stork. the temant rives the labome, amb the promber is chared in
 imvolves a close smperintomance low the lami"wner or lis steward to anmare that the -tomk is not made away with, and that hiv fatioshare is hamded to him vither in kind or in rash. 'The next stace of tha arramement forms thas setman,
 the thanat himb himelf tu pay ammally the salme ni a fixed prantity of difierent buedon wi man


 is the agrewtemt to jay at dixal money reint


 prices. The tern durime which tha aramarement fomtinme is in furion conntris vory sumally



 menertain wi all. The lean fome veter lo voar han





















 aftur motice：Thers are entithed alow，althom
 impmoment－they have mald．They maty ardy berpeath their right of unamer at plomente．The rent is fixed（if the temant dowiro）ly the Lamd











 the extele of two thind of the puter to enahe
 fram lamilurd whe worn di－payd to sell．Thie
 shm－nthinim to rever the whote pioce ant the
 anmm fir finty nime bar eloak limedf of the


 alwormal．it bill wa－in tha sanion of bim intro










 ：11 f．Ihis of thi wol．；for the promention of the lame

 dai work oll：

|  | E114．1． |  |
| :---: | :---: | :---: |
|  | 1：－11． | larnt． |
|  |  | － 1 dr |
|  |  |  |
|  |  | ＇1－016， |
| －＇111 11 | 11．117 | L－11110． |
| 1．円18リカリバ。 |  |  |
|  |  |  |
|  | 1．8｜以1／3． | 11．4－9＋1．11101ヶ． |

















 ：






 in bousal ：
pased for the prataction of cultivating oweprers．

 that rishte of the batide ate deriver from the com－


 Soman idean with primitise artom．The deminus of limman law i－a privato jeron ；the duminus of formal law is the pultion mander of whan land is hall．Bey the Engli－h common litw，which was

 $\because$ that even a frecholdor．hifling to himedt and

 afomal leaze of his lame，the lawo on paterimer
 thlo of comban and stallut law．A mete con－

 partion，lout it piven mo intores in the land at





 Stany Sot repuires that it rlimld he－－timped as if it weme at hatas A trmant who has no fomal






 reyumes tware montla notion in the eave of abri－ －mitural twatint．


 to tha state of the jumixa，＂acelt in the＂ane of


 to reentar and pat an and to the tamaty in cane

 of such ripulatime in catre whore the trmat is
 Wefinht．lient in atrear may ha recosered ly
























 lave suma in buillinas，drama，de：and a
lamera ammont of food in than rained with at cam


 10 primitios iteras aml cu－tomats rights．＇llas
 to atrilmat reat，aml ther think it anju－that



For the lenclish law of lamlloril and temant，see tha． stambard work of Wimodfall：Irish legislittion on thin subjee is exjommed in Eonche ath lisarken＇s Irish Lotend
 Commi－sim，preanted in I－w．．

In the law of sootland a lraso a－anmes the form
 statnor ut 144！lat－m were mate himling on sin－

 rear it munt la in witinge the term and the rent



 ferm af a loises has expimed it maty le continmod from yar to year he tarit relomation．The
 have hean reatrietell lig an dot of lș whe whe

 pratiorn．It lat－lomer hemi the pratice of sateh


 tal incortal in imponement－：amb the（＇rofters＇
 in TViphland combtien risht somewhat andowons

see llunter on Landurd and Tenant，and the feports of the lichmondl Commiovion（1がき）and the（＇rufters （Commirsion（1～4）．

In the 1 niterl statm tho law of Lamisiana is baverl un the rivil hatw：in all tha othor tatem


 him hy the Law of hion－and attablomat－．lat care of bun－patyment of rent the landhan mase enter



























 At ther ane of ton ho wats ment tor limehy Sillosit，









 pre－inent，he was matioatorl in bent．Ho juls． lishen at volmme of Patmes in Fom．latommine




 diligent study of Xiltom and lindar he pmblindeal
 almirers．and was the orraniom of han lifolomer friembliy，with sumthey：hat it failal，as it las： dome per siner，to lime areoptances with the majurity of thom interental in pentry．

In the doath of his father in lso landow settiod






 till Islt．Lamber had lomblat the wate with the

 Infore lomg howeror．la quare led all ramm with



 manmer，aftre a canal noveting with tha laty at






 fonnt dulioth．which be fuincery hat protived in

























 with liv family in lomence，ly the alsiow ame



preapration, viviterl hámell who have wince become fatmon in litratmer amd art. Lamber livad till his
 inder the the lat loth in prose amb weree.
lig hi* singhlarly imposing puranal appanames. his imperion-will, ind his misolve intelligence, this
 Was one of tho mon original lifatres atmoner his ron-










 tha




 mose lamatial buoks in the langatar-that is tu say, in the worl. For thr majority pen of anlif.
 *s supperne a plate rither as a port or writar oi


 comentrmen. While it is ithation that them are











 embulies bickemsts impersions of lamion with his inteliectual ratanolide omot.

## 
















 from the a:thlema alan of asilivationt hat little of :
 the 天̈:








 iner weve the quater pabletion.

Ther liomans introlned lamberppe-gationing into Britain: but the art was lont when the fomitry was abamblaned ly them ta the siavms. Framor, it was ponhally reintrobured by the


 this park mav have mmommend a matraifocont lioman villa, the rums of whill cosaring atmont 6 arres in extent-wers dixomernl un the liboblom estites darly in the loth rontary. If the emajec-


 ing to many, it is the grambert in burupe. William




 Nilmer ( ke!o).




 exhibitime at lla laseal Vealomy when only thar teen : hat the tirat work that lomeht him pomi-
 ting "ilian, exhbited in 1818. Jown to athont 140.3 ho was enntont to expromion ant rhararter of amimals: after that




 lainl in thar Wighlamls of seotlame, whieh lare lirst

 his mont onlaratol pictures ame "the t'at's l'aw, "Ther Illirit Whankstill, - Iligh life ionl Iaw


 amb Win," having down the law, "The "hallomer,"



















## Liandes Eind. Nive ('olsive $11 . \%$







 in romb. 'The lhminiman monastery (12TI) was




 Amatrians drove batek the lionatians, hat were in farn indeatal by Napherm tive days later. lops.



 the




 down to lso. Olponite Latudahomat in the summ



 origimal proition, amb lid dusn to a lomer level.
 where the tremblise of the ritrelt that irenuently

 down to the ghation lolow. Wiater, lomeror, is the
 valum- wats. 'lle most commont mothonl is what wator insinuaten itrelf into mimate ratulk. Which

 the meltiner of the ine a wor-tiall we lamblip in probucol. Somotimes, when the strata are rery mand inclined, and bert on an impermeathe bed


 combent max- limposer it po a lower level. This twok flate on a bareer - ato in loneet-hire letwern


 dnwa infor the aed. at a like kimd wate the slip of


 were loot. Inother notathe laml-lip was that uf


 inter the lake. Latmblipe ui a diflement kiml



 Bunt romarhalafe "atse of thia himi in that of the












## 











 inta exinteme in lal: whers the lamduelar wat








 rechomed part of the army, and is calleal ont only in the event of ins:sion: in lath tiemathy athe Suntria it embrato bern up to the ate af fontytwo (in Alsatrit, fur retimel ntherero, tilf sisty). Fer





 Hereforl. and hiv wife, sumhia bamher, a nime




 with that combtry the wholo wi hiv shberpuent




 and still the stambard anthority on the sthlowet. Thi-wan fullowent his the trambition of the Theme
 many legntat, which was the fort atcurate ronderinge of the tades, and thongh merewarily ahridned.
 thar incidents) is stili tha stambatiol library celition






 lathorion preparation for tar :wat work of ha-

 literathre and hi- intimatey with the lamated of



























 pathy with hi arisinals whiel have never beden
 lithographs have oftom leon mistahen at the
 matn in permeil or elailk he was very macen-hal.

 afterwath mate pertrats oi most of the mean hers of the rosal family, amd wats appinted lithus




 The wis athn mos motan senlotor, amb attrated
 as hiv lifeize lisure of his hothor Es? wate In




Lander-ast. an thon-tinian prions, fomment

 the nawe has hean rostored and is now wed as

 really writen, wot at Lanereost, lmt at larliols. It wiscolited in $1 \times 3$ ha Joneph steveman fur the
 ) mile $s$. uf the piong is assemated with hat




Lanfiralle. the lime arthlinhup of (anterhary after the Nomman (indmest, wia lomen at l'atiat



 har fook the momatia voms at the lienedirtime
 probr. He bigured pommamatly the lemporation

 intor char rontact with Williath of Surmam!


 tion for it. As al rewatal for this serviee William mathe him prion of his mew fommiation, the alinos


 stimame. Lanfrane still 'ontimand tole Willian:-






 -hambery, wour ont the chmod amb the philo




 zerliand, abll arnitur.







of the hasiont an well ats the hinhomet writers in the world of Lamlon jommatian. The treats the


 fallh shomt of the werionsmen that hiv reater has at riaht to expet. He hats tithen at formonat part in the controners with Jats Italler aml lis selumb alomt the internetation of mytholos and folk rakes, and it may satioly he sail that to his hrilliant folemie have fallem moint of the bomomes of the dield. H1. was mate LI. I) of it . Imhews in lsary and in lsis was electel the dirot diflomd leothere at that






 combibution to the stmy of the philosomby and religan of primitive math, writton with mam-atal
 of ielicitan illastration. Abminally elever amb
 pmer literature, ats woll as folifore : mal primitive frliefon. donn to the hy wate of hibliwsabliers

 (Insti), Littires to bomed Inthoms (lasd) Letters







 Lati, and olyers in brilliant tamsiatome oif the









 whote is mant salualhe Mistory of hetrialism




 and in lost at lima, where hie dian, !th obly lowt. Ho wrote many wohks. of which the leent kanwn

 Chrintian atho ( 5 -









 (317: (1), wn the wont exall.




 l'ra-ians: tha lattor were at tirnt defeated, lint
being reinfored emplofled the former to eapitulate two day later. Sat bar from the loma in a sulphar -prines that attrate 600 visitom ammally


 lorach line N. of catione. A atr the lown hath in




 Sew York merchamt and natise of Lathghon, loft


 On the -ite of thin tomit the hamblamen we de feated in the hattle of Mhinhaln (Ition). I'ol.

 fector ai phawh in sumemet, dewted mont of his life to litroture and published a bone serios of perns. dater. trandations. de. he is luret knaw a hatiog with hix bother Willian ( $1: 21-7$ ), mondued what har alway- ranked an the standand mandation of Plutallo.

Lamghat. in Laxkita, a purt on the east chast of the $\widehat{11}$. jurt of sumatra, near the larders of
 betwlemin.

 whome lifo conte fiow fioto lave been constructed from the intamal evideme athered lay the pem, mainly ly the imbintry of I'toforem skeat. Ite
 Frobably at leolury yortimer in shrownite: went tor athol. pmalify in the momatery at (ineat Malvern: inetame a ifork, hat, hatimiz marred earls, conhl mat takene than minor molers, amf


 wan mamed Long Will imon his atatre and poo
 and -anewhat elurlivh in lipmoition. The lat trace of him is in his jnalu of Rivherel the Receles (xat) linpor, fom whid we lean that he was at Brintol in 13: 3 .
Ther fill title of hiv tamom, lumem is The lisiun






 from the Vixion of bowel. What, and bu-beat.




















 aperiatly the tiondme hathity of the mentimat



 amb shoth, late -omothing of 1 le wetity of lite.



 The writer in no prowron of Lallarilion on it
 in hiv revalt fom the shind hemertioy of form

 without silembertal dombination.

The metre wi the furn in alliterative lat irrembar. The dialect i- mixed, hut manly Hidlani, with wrasimal intrenhetion wi conthern forms, amd the verabolaty iv of amonal extent.
 Rowers (1:\%1). Ir Whitaker (the (" text, 1-1:"), and Thana* Wright (1-12) were supereded hy Progear Skeat's exhantive and final edition for the Eirly limgish Test mociets: 1art 1. ( 1 text) $1 \times 4 \mathrm{~m}$ : lart 11 . il text),

 venient editum of thit was ionted ly the claremon Press





 France. Ist mile ESE of lori le rail. i place of military impurtane as key of the commmination hetiwern the seine and the lihmes. it has heen wholy fortitied sime latis. and hath

 time was the catital of the lingoner a mane conruptel into Langro.

 Lemen, Gumplary form ware totally homat


 "at of llation, near the frintior of the "hinme Movince of kwans-i. It was a centre of "prat tims in the Framod hime war of lant $\because$.




 was the fellow stment anil frimil of the futher













 warm patt-in ot the latter, and hi- man i- the





## LANSDOWNE

tions by the pore in lats. lbut after the atceemion of lleniry Ill. he was redustated (l릉) in his see,
 chmolt womms till his death, which leok pate daly
 Cwnterbury, bol. ii. (INbl).



Lathenceloce a fomer provine of the math


 and linbonne. It is now embraced in the depart-

 name is levinad from lomeme drom, the sontlern

 ats in the mortien provinces. During the priond of tha liomsan empine this part of fianl was problemons :und wealthy, at home of enlightenmest. In +10 the Vinigothe fmument the kimer dom of 'Tombont (ome of the elidef cities of lithgnmane Montpelliay buins the othery, and were only werthonw in 7 os! by lepin the Framk. Twis renturies later this jaut of framee wis immethiately subjeet to the comat of 'lonloneme, whe of the great fentatomber of the kingedom. The sory of the redigions wats of the $12 h^{2}$ and $13 t h$

 C'Mil.

## Damidar. See lir Tateli-lillin.

 of the Imbllhists, whinh treats of thoir religions law, :und of smme uf their most alostmos philuse. phical problemas

Datukenter. Enwos lish, zoologiat, was the
 writer, and was bom in lombom, lith Day lati.
 "ximal, he was follow :and tutor ai lixater Coblemo.









Lathlere. See fixatos.
 Fromelt marolaz, wath tmon, the and of it lively

 and-phenom bratrey in mont of the hattlem of the

 fortant somier ont the isth limmatire On oth
 hivtithe, and hane a prineipal shate in the hattle









 in lamedathane, in lativ.


 on limen. ling inat.

Lamsalown. : hill (sls fert) th the north of liatl, commanding a prospect of excerthomal leathty.
 and twe miles levonal was fomblat thit battle of
 ments were stormeid by the cornish ravalists. On the spot where tha herobe sir leevil formvilis fell Lord Lansdowne rainell a monnment in 1723.
 thiri Shtegres of, was the son an the lirst manquis,
 was lonn in landon, luly $\because$, lan. He recetived
 Iniversity, atnl Trinity Collense ('imhringe, where

 twentsetw. Lle rambed himalf ammar the bifo-
 on Lam Melville which hromelit hame te hin the


 ('hatmecllon of the Vixcheguer in the alministration of ' Wll the "Talent-' framed ly lard firemville,


 death of his half homber to the marquisate of


 the Furejign Hlinee. Whan, in Js30, the Whias come into power umber lamed lime lamalowne lurame F'resileat of the Commeil. and towk inn artive prat in the pissing of the lieform lill of
 till sempenber istl. Fín veits later, moter Lard

 it dill bsige ln that year he was requestod
 withont ofliow in the emalition rabine of lome Aberdan. When that maniony fell in las. lamm-
 hat her whe more decelined, althoush be comarnted

 death uf the buke of Wellingen lanmlamme wats
 while almost ry to his death his athere wits
 libnati praty. Ho was the attatolumb jeremal friend at the ghern. Fonal of litematare athe of


 1sti:\%
The [whtical hograldias of the periond in which Lansdowne hace abound in whomers to hime. A considerable number of his letters on phahic affairs allenar in forded



 of his platy.



 and, allarliture himatif th the lilleral parly, witm a










 mimintlation（l）！！）．

Lallsinge the rapital of Minhiran，on lath sikes
 the mowtumperint of tome ralwass．It containn










 vemtibatiom．＇Jhe somme oi st I＇anlis Catheetral and
 Where a lantron is for the groprome of givime light it is eadleal is lemtore－fight．In（ionhic arelitecture

 alble levisht，itml the lifht anmited log wimbows in thesinne Vork ：und Vily cathedrala，atol many charehen in Enefand，have sheh hatem towers．

 with les－more alaphenl for leapiner，aml withont Mrans fur promberis emmbl．There are atwint at scome of＝photer．all troplical．mus from south Amorica，the rest in lia amd drica．The fore－
 tern，quaint in form，shmetimes towarts an inch


Lantern－ly（Fithorser lenternetice）．
in lemgth．The name hantmolly way oriminally

 projection of the forelead in sithl by sobse to bee


 It is persible that the lmminn－ity if wamime is






 of little elu－mionl interast，anci in of no practional valure see Jomsmorm．




 where le died，Matrh 30，Islo，athl wat latien les the sides Wirlamel Introle in the church of santa ？ 2 ：


 of lifusean with Latin， 1 latan，I mbrian，and







 Tros．Who marriol agranst the will of the formor coul，and who warmed his enmatrymen agalast arbmitting the wosten lome ints J＇ros．Fins ane or thoth＂f these reanne lis was demoroved along with his two solls lig two ebormont arpanto whicll rathe II！ont of the se：t． Thia lemerme is not Honneric，lut of latm Wrigin．It watm it fatumrite thema oli
 is intronluced in tho Encid（ii．）of Virmil． llas shbijert is a mome crated in one of the mont fambus work uf ancient senfiture －till in evistruce，a gromp disenveral in F．0M6 at liome，on the＊ ville of the Espuilin． llill，and pmratamed ly l＇upe inulius 11. for the Jationa．It


Latoconin． was carried bo゙ Ionat parte to lowis in lati，hat monered in 1814. The whole treatment of the shbjeet，the anatom－
 both of bulily pain anol of pramion．hase alway－ commander the lighent athination．Acomalig to J＇liny，it wats the work of the lihoman artists， Agesamber lobstomes，amd Athemodnome：varions








Lanedamian．in lireck brroic history，the dathorlater of Joantum and wife of l＇monilans．Her

 from his shij．Lambania frity at of the gate to


 hatd emme，Latulamiar died with hims．Thic moble．
 Warthy uf the therne．

 the seleondil rutan of syrias it is aldapteal from











 the : the ient lambierans: it was the seat of a

 arios of coim, which come down th the time of bineletian. lint its greatest impertane io dan th the fart that it wat ond of the chiof themes af

 memery as 'lukewan and brither cold wor hat

 at that perind. The impntant rechenatioal
 remblims eromemine the ratom of the what
 dispipline. I arcom comed, helel hare in tan,
 citios lacmione will he fomm deseribed mater Lattiakia (!.v.).

Latomedon, king of They (?-w.) and father of l'iam.
Latoll. chiar town of the Fremh shmarment of
 St mile by ral NE, of latis. Wempring a matur-

 walls. Frombiato 7 go it was the seat of a hishop. The cathedmal, a hathie editiee of the 1 Oht century


 lent artichonse anm innamons. In the dath enturs the city was hur pate of mathone of the Chathringian kinge, and rapizal of frameta. It lam, om







## Latos. tre omins.

Lato-twge a emphaterl philempher of rlinat wherally wimed to have been fur fumber of Tomion, whinh an the peremt haty share the alleniance of the thinew with Contmianivin and bat-







 curator of tha reyal libary in the capital aty of Lah, mot far tran the periont eity of lal yatis in



 that the chital wam maved in hi- mothers what for
 Hat hi" wan bam with the white latir nit an whd













lis chief aim beine to lare himself tuknown : that lie resided lomer at the capital, :and then sering the deeay of the dymaty of 'han, went away the the sate which led ant of the resal domain towame the
 nised hy lin ll-i, the keqper of the gato, the place of which is shawn in the proment shath (hand of thenan, and was prevaled upum to wite ont for him the tratian called the Tien Fote himy, which has eque fown to tos as the maly remat of his temehing. Chion alds that after giving thi writine to the kerper 'he wont away, imel it is hot hown where
 which the great historian, writise in the en enemury

 quent travel- in the wout. Where le lerame ace
 Theore and other mavels are later atml folulans
 imitation of the lerembe of Dhllian and thrmeh misomepeptims of the meming of the Tira Th King.

Sban dontrine of the 'rion latione down from the mont ameme times, athe at bather, or at least at mont important bather, of it is clathen in Il wathe

 mote homety and th prome life. lantare entrom intu this, amb the shetrime assumed in his
 exer, to suy whe he mem ley his Tio. 'It was the erisimater of hearon and earth: it iv hae mother of all thims. N the sallue time it is unt a peranal

 ahdet of all hanis followers, "toxir mysurions


 - Irrat way i- luit a metaphorical exprosisum for the
 the primal mothingu's, and how the phommena of
 withont striving of erving. of ohe sithe hind -hand he the inturnce of the Tims in the ramburt of indiviluals and of severmanemt. That hims may

 :


 mos. In many of then trinhing hathere mity
 atto many domat of a ber ligh marality. Its
 again and again to watro, wht and wath in itadf.



 manal pinciplo. the werming of gend for exil, and
 mownor swalk ednath of the shat of math after









 oi tha" "fisir reme anil pills of immotality ate
 ant time: lom sum thine- han tur combection with the texthine of late than.









 wital Indians. The lat Pas romblhem contains the
 the surface of the bepartment is athy plateana: bat
 and the coontry is richly waterenl. - That ciplital,



 lontres aly bowity of mat, and owing to the extremely masen site frnemt a very irrecnlar








 distingmi-hed himald in the naval war atainet
 forts of that Jumbon Bity (omplians. T'wn years affer the comblasion of jusare lae was elanen to

 with two ships, binited the momberest cosest of



 from botany liay : aftom that all rate of him was Inst. In fori it was inlly inerotaineal hy the"

 off Vanikom, ath i-kun Jying north of the New

 lonne by him, wis publi-hmal mater the tith. of





 of silie: :thel ahmaina, with at lithe sulphomar adid.
 of intom-ity Lapis lazali in oftem mathen lay white
















 Stornc.


 It the marribge of Pbithon- to Ilipumimaia, the
 to eary wif the bride and the other womem, bun were werpowned atter a homly stomgle ley the Lapithar.





 after teanhing mathematios at a military mond in his mative town, went to l'aris aml attandol the




 astronomy-nolving a problem whioh bath Einlas

 member in 1-s. he meanwhile, ly lis powerfal aral

 ome flanetarysotem is xtable- hatt what hath born
 equilibrima, bot, on that eontray, neromaty tu it. This emmprate sulation of the " machamieal problem of the sulat - satem, sta he termadit, hats lestowed

 mentimert, the smecial nevioue of laplace was that he ret forth comprehematsely in we hamosement work the lealinder realto which had sevorably been attamed ly Newtom, Halley, ('latant, ;am

 as an astrmanmer was apparent in his rxplathation
 montern whetrattems in the botion- of the plamet:
 a complate theory of the satellites of dupitor, ami his invendisation af the findal theory has leern characterinal loy Airy as 'me of the mant mplemblat worlis in the history of mathematios.




 After the ISth Bumasime limaparto mathe hiplime
 him in six werhs time. In lagen lathinm anteren





 (o) his hating botol lum the hapoition of Niaplown

















mation a-trmomy as astanatie demmotration of the highent renilt. in hatural philnoply. The
 (52t) war writtell for mom-mathomaticiane, and has
 19. (doat and romber statement of all the healing


 demed to $\mathrm{la}_{\mathrm{a}}$ of nat hom impurtance than mang




 thand extmonds diflicult, the theny hoing aphed


Laplate was wittel with ghet mewe of mpmory and beend somatilie shation, an well an with -ingular shill in intern+ting nature her mane of the hisher mathematice. Ila showed shat fromal

 - tant gend batal wax partly attributable to his

 cdition of his (Eumes ctmulters.
 ral maty: it in aimply the entoctive mame for the Naten-ive romion in He moth of Fmone that is
 he the Aretie the:m, on the NII. In the Athatie, on the E. lay the White sea; its sombern limits

 lat. in Noway abl swondo. Norwoman Landand

 Laphand the mont chatacturbir keamen are riden "ith namon valles- luethem, the batter generally partls lillol with lons, nomow bahes louther





 tar intinate the Itmblek Monations, in the






 -





 - An does man rixe athere the horizan ; compamane

 arime romamation of the atumatanalis. Tha
 Lemoally imblating siaty domow of fors, and










Whe desemdants of the criminads tramopred thither from lemmark threc centuries aso.
 lats, fak ( Whe Numeqian: call them Fimme, whilst

 antad to the linn (Smmi). An at rate they are
 haight), and the mon handeghatic. In other teplects they are praw of bunts. with dack, mastly hair and seanty buad, and shom, often banly, heges. Dhangh mot sery mandar they are caphate of
 great age (eighty or mome). 'Iho 1uchath is lampe, The lifis thick, and the eves smatl and pherems, hut not abliguty set. The Lappose umally the

 rawe are nomals : they mone constantly from place
 for their wind are herds, the ir maty sume of weath.


 mostly imponinhed Almmatan Laplo, or their

 Lapprate nomaik who hawe baken to a settled monle of life: thery mot mily herg dommaticated
 lise all the kear monil in wols. The reinder -npmbiss nearly all their want- exupt cotlee. wham, :men shar. They lise in it, lleoh athe milk; the? clothe thamedves in its shin: and use it an a bait of mation. In wintery, harnemed to a hast shay show (pulk), it tahers them the lome-
 the momation, and throug the forents. If is romputed that there are 40 , 0 on minder in Lapland,
 and in his elothing the Layp in the mome of

 tunity present itwelf (which is ant whten), hast at
 ahmont minety, "ellinh and ioute bit all his deal






 Wat and Swedra behner to har latheran 'loureh. Howe of linsia to the limely fhareh. lapland witchen, whotare, mom concelly shathing, whats. hatse lued famme fonn wery vary times. The



 Linmia: the bobanol men of at anomt same indentitied with the Latpo hatw hern diemered in sewtal


 then: the linsians folloned mit in the 11th, ath the swolles in the lith. Fixm the 13th to the



 hillmbers.
 (102T); Lastahus, Jommel (1031): Trombilt. Under






 Frise，Lappisk Mutholome，de．（1s－1）：1monner．lebe，de．
 de．（1－0．i）．Many Lappand Finusiduarally lsare given in




 city was rafooly hailt．With what－tocets，that are
 the aentril purtion io lit with the plempice limbt．
 of tramsars．＇Ther only huildimes of mote atre the

 railway station．＇Thome are－rope of hotels，imm．










Lat I＇latit．lifo 1HE，at wile monary of siont
 Sremtine liaghlia wh the emath，thromely wheh



 Antomio．＇Tlas burthern hame is somewhat steep
 Ayous in low athl llat，with wide－amblombe that


 wost ：and men the maly ermel hartmor．that at









 the Imelians on its banks．大eme therate limai

 at tha fumbion of sworal important railuats．in

 i．r．I＇ol．$-19 \%$ ．




























 authoritise to the afteret that they had dones on （lefollotion）．ditarwats，duriner tho bimeletian




 centurs a milater comice wan formerally adogete with resemet to than．＇The twatiment of the lapmen

 aloはノいまいにな。




 winge is totrod to in the title lapiome I＊



















 fintiah Jiorla．






















 -frata: they comtain mamerons seams of lignta.
 While 1 he writholle whains of the Latranie are sumtially Jeswand in eharacter, the plants ate







 the sablas of whinh inte attemmated at that tip, inme nut fallime oll from the stic of the come when fully
 aselet on shouts of the sime sear, on whell they


 is formil alon



 I, beeld with setetob. in - - ia, wherme it *xtronl: H1mal father north than in
 (1) thos linits
 * late of the intronduction af the larela intol:atain is lixed ly shme anilmatices at ahomt ltien: but it wat far many years tration :as a ram allul ruri--HAmpant, and -rown in juts ith irroor hamese los the few that pan Masced it, till alwort ther mindle ufthe listle embtury

 pationlarly in sostlaml, whem it was intrombeal












betily mot (many notialde Jialian pictures are painted on patela if lareli), ix mont riadily attacked by woms. and is mach ned in liphomileling. It is,






 in Water, which is known as Oronhar! bimit, and is

 article ut fooml. In watut eombtrien a kinst of

 tastr, with a slight lationr of throntime. It is
 Rivamean Mommer, or Lotrlt Memme. 'I'ho lavelı
 from a slicease in whid the rentre of the stem
 wary imperfectly materstoml, hat it reman to he sutherently emortamed that thase flantations are

 which are regularly thimmen, shat the trees enjoy

 (1) it, athl thomarh dramage is therefore mererars. 'Ihere are sabetios of the remmon latel remark-



 matare-tistingrinherl by very small cones. is fomman in the nothem patr iof Nomb Ameriea. amf on the Allemhany Xbmotains, oftem baver-





 Itimalayas, hat is semerally atmall 1 men. 20 to 40 feet high. Its comes are later thath thone of the


 ing to the hoight of ahout 100 to lat ford, with
 haty in ans axept the milelen pation of lititain.


Idard. the fat of the law. 1 nitilaftar the tirst


 "4, t, whirh pork was raisen in Amerian rendered
 valmathe a material, amed later puantition were












 howw as the originater ami whitor of herdner's

 Lamber hamself woute the volumes treating of
 and eloctricity. This was followed up that



 suphy. In lag Laminer had lwen apmainted
 in lonverity collow, Lomblon: bat in 1 sut he lont his ahair thongh moning atway with the wite

 states and theme mate fiow time that wom hes



 in Lomblon, aftewarh at I tre hat amd Leviden. 11,











 Wribll lamerty. It, was ealled th the lear in

 Litural internt the themindal lominatme. His work. written in Frenhy, inchle historien of



Latres. Pethater. Mines. The lave wer


 they were whally mandol an the turdary hithes
 imace tom on the hearts in a little shrime





Tho brater wer the oli Latin - madian 小oite ail the lounchall, and of the state merated as at






 font - pirite in matrant to lum and limenes, male. whent -ritite: lant the mane irequonty aplinel meredy to the doparted pirit, fhome or hate of a



 twing the worthig of amentore, with it ahtar. the
 the aldat of all the relligions of mant.
 the ham of haro Law (!ho fort), If mili- Nk: of



latrso, an ltalian worl, wad in mande to
 tions where the sentiment is quite colemb. Lete
 shightly 'quicher.

Latres a watemineplate of Irohime on the


 Scotland and the Xoree enlohie of Man and the





## Laricio. Seeldine.

## larridar. see cirit.

 in atneiont thases an the chinf town of Themaly, fo mow a place of lab, lat imhatatate, whethiri (irepks and one-thind Turks. Larti-a was eqeled

 Thewaly, athl han mannfactmes of jlk, vothon, ant






 wherwine wedl hawn an the somblol of foren ami
 l'ancrine lime, tape of the fatmily Alandialar,


Lark (Alandu arrensis).

 atraxesers in Austadia amd Sorth Ammina. Tho plumase is nanally siunly bown, the ablanr of the

 hill is strone amd comial. The skyark hutamen athont 7 inches in lemeth: the matso amb imalo



 (there to diwe : are dall gras, mothed with wiom

 Contment in antuma, and later ont thore is a



"The lark in a mature of limht and air amb motion, whene bext i- in the stable athe what



 well sity, "i the praso, where the him mathe its
 all alihe and in fle same hey, lmt rapid, swamine. fromgat, showering down the thick and bant an

raruly sings on the gromma，but when satring or Jeremblus．

Thers is mo dombt that larks when very momer－ ous，tw they often are，may do comointarable damatye
 fact is sometimes arsed to rxame the ematom ai ＂atehing thom for the care or tahbe．＇They are ＂anght in horse－hand mosses．or metled，or shat after
 brimht erlistenimer miject．＇It is omimaterl that，
 nillion larks wre received anmally ：in lsit there were bromblat to the Jamton markits mer 400.0 Ho ； amb the allicial rethons state that in labs．tis more than a millinn annd a prater were tishen into Sioples．

In Europe thate are soperal ather ammon

 Which i，lewally dintributed in Engramd and Wales， and the latter a rare visitor．Amoner the otleer genmar may he moted the shme or lommal Lark
 are＇the only latis which weror regulaty in the







 by ral．It mamafactums silk and cotbon elath．



 reginns of the morthm hemipplere，and enmpas－ iner hoth ammal amb premnial spectes．＇The well
 switzerlaml，and the braching Jarkipur（I），rom－ setidel，a native of most patio of Latome dombt． fally so of britaim，ate familiar Mamples of the



 have twett paxhmant hay mitavation and molection
 I）．flocumbe is man of the mont divetinetively alpine






Latr Hakat（ameiont（itimm），the hiot port of






 the shathow witur．The direk chateh wit


 as ltis．





 western mambathm of all kimbs am imporml．


sear fifty dass after the direek Easter，is trabition－ alle suphoed to he the ammiversary of the lirth of Aphrodite，and is attendal by orthodos Christian Gyphots from all parts of the island in immense


Lallite a markt and sciunit fown of County Antim，at the entrance of lameh larne，0．5 miles NE．of Jetfant ly rail．Thate is dably rommomi－

 lom at Paris on the linh soptember 1613．He bebomed tosan old family，and his fither wis made
 les was Kimma as the grinee de Marsillace Ilis adacation was somewhat negherted．He joined the army when a hoy，and was poracot in his revens． tomblh yen at the sene of rasal．His lifer，suts situte liente．might le divided into fonr juraids， to earh of whinh might lue assimeal the natue of a woman－riz．Mme de（＂hervemse，Nmo de Lomerne－ ville，Sme the salile，amblye de la frivette． Is a formbs man he showed an matrambantic trajeramont．I＇uind the inthenere of Sme de


 political intrienos．the reanlt heme that on the Ilisht of Mors de Chevrense he was fored to live
 he fommed at liaionn with the lemation Dme de Langurible．Ife then josined the frombers and
 was very milucky in his political reheminss．Itis
 wommbed．whempon la retimed to the comatry to besture his hatalth，whiel had hedr whatered hy iwenty yous of battle ame adventmse on Jazarin＂s Nesth in 16 ail he mpared to the emurt oi Lomin XIV．，ind ilnut the sthot time lumin his liainon with The ble ふollic． 1 surreptilions aljtion of the J／moneres，which ha lath written


 finding many to aceppthis draial．Ilis liffloximes，
 Subum，salil Volaime did mane to form the ta－le


 shif with Duk de la I＇ayefte，which lasted matil

 he hat live soms ami the dine fhters．


 I＇larir writer did mor renek tu phay the part of the mere tepigrammation，thomsh hat hos mow then

 themelt the lowh．It is the work of a man of



 is reslurible to the motice of self－intorest such is







 that mellowe is mot the moly motive ly which men

 folly；reat in others，they seem litule hertor that
 writers depthand keembess as at thinker there man
 ful mantery of terse and indivip plane．



 fircends Erritutus de le Froune．
 nohle family of l＇ranere．The mamm In Veryor is

 Larochejaymelain．Secoral uf hiv leverndante dis－

 IVevolutiol．－IJEvis，romete do Larochejaquelem．






 escaperd with dilliolly．Ile mixal a new looly of trobs．hamevar，in 1 fory luitm，hat was kiljeal



 Lat＂

 resisted all Sipmenmi－＂flants to win libn，and in Isi：3 plamod himedt at the hemd of the monlist in Lar Yember．Lami－XVIll．anminted limin lity to the command of tha amy of lat Vember，amb duriner the llamdred 1 buse he mathtamed the
 He fell in hathlo at Jomt dow Mathis，fth dunt

 DFmuins of the wit，，whith he wits an reve
 to the histminn．Now hem Life bev Nettement（：al ed．1aris，fらすか）

## 



 stulied medicine in Tombmes，and after wratnating















 （：＂rmin hemmir by Werner（Ixio）．











 Gallertany mend limedime（1s！mo）．

 as all air prasimg fither to or from dim lames maist




 frombot，or windpipe，ithe the hame of the tomorne at the meler inm front part of the nerk，whane it

 and inferiorly into the windripe．Thes principal ratilages of whirl the skeleten of the larym is comborend are five in mumber－vizo the thysum amb a icuid rartilares，the＂pighattin，aml the two arytemode catilages．





 rail cemtilage forms． alomost the whale ot the anterior anl litumal walls of the
 （lí．＇ring－libe＂） cartilagr is at linor the lower maresin of which is praratled to the lirot rimes of the truchea，and to that lat－manel it ic muit． ed by librons mont brane Its＂inyw bmaler is momardell in fromt vith ther lower laralarg of 1 has haymal ratilage hy a thark vellow filmon tionse．＂it premonts two armmar sur． firese on piller－ible －viz a bower，whioh athembles with $\mathrm{A}_{\text {ar }}$ ． interim curm af the thymid mati lasax，and an mblor． whieh is oval in farm，and sulpul－ ant arytumal calli
 trmoiel（lis．，＇lawlla． lik＂）（artilamen ar＊ lyraminal hania－ ratime ont the wal artirular－urfarm alf
 1－riorr jatle uf fla．


Fig． 1.


 l：




 －prachaza． －rimal rartilan＂

 comb，aml foms their ermat molitity ats rompated


 inoms vilso（lig． $1, f$ ），situtatod int tho hano of the



orly ly a kind of peticle to the angle of the thy reid
 membiane the cartilage is fomma to be furforated lis mumeme formina. Exeh promation ahtmitsome ficuiculi, of yellow, platie. ligatmentome tixub, which expand on its anterior iepoct. :comb sermes the retum of the epighttio to ith wertial forition, imbembenty of any muenaly ation. Such is the skpleton of the litryx. batmene in it dow- irom the hoid hema, with whel it is comnempel hy the thyo hyond lisament and certan manelos.
 :are compertal with we another hy ligament-, thee chioj of whell are thove known the the true and fake soend combs. In their quiecent state the former do bot lie paralleal to emeth other, lout conwore fiom lohind fomath. The length af the woral roms is areater in the ablult male than in the* adnat fomale, in the ration oif the to two. hambay they are sery hart, and inmere resnhaty from that priow to the ars of pubury. The mume mombane of the larsix i- part of the ex-
 extreme semibility. The hometh of the chink or afurture of the intatis, whiols in directed horizontally fom before lackwath, varies, like the


Fig. :.




 ment, while in the female it remains stathaty.

fly latys is powded with two set of mandps the ectrinsie. by whirl the whate argan is elevated ar depmesed, ind the intrinsie, whieh mentate the memempats of the varime sermont of the meran in relition to ane another. By the artion of then


 - Pb The mope of the laryux ate betiven from the



That the latyons in the oman of sume is pataly provel. Thas altoration in the muctu- momban
 -hamer of vine: ulerotation of the sual cords
 below the verat ratis, or aretion of the interior harsugeal nerwe, deatros the woide and somble like thene of the woier may be pronded bey experiments on the de:al laryu.



severe fom, whel is forthately rate, tommenes with a chill, which is followet by fewr, with a full atroug polse, a hot skim, and at thalied face. "l'here i a itsos someness of the throat, harseness of the woine, great dithenty in wallowing, and a feeling of extame ematriction of the firyon.

 ins oceurs in severe rates, the ant of inspriation heing prohnged. and wheqing revilt. in consegrence of the swoten membane of the erlottis imperling the entrate of air. On examining the
 red colom, erect, and may he so meh swollen as mot to be alole to descemb, and mat elowe the photio duriner deglutition; the other piot- of the laryng are and to be more on horswollon andording to the reverity of the eane. The pationt may whibit $\rightarrow$ mptoms of great anxiety and distres; his lips
 pabse interular and very teethe ami at lenoth he may sink into a drows state, uften preceded ly delifinm, and ariokly fillowed by death. The disene is very maphe embing. when fatal, in three or fome lays, :and weandmally in las than me day. Although we have here derariled what may oreur


 and mathed hathemen.
Lambitin i- bunt commonly the to exporne to

 are whally the resit of injury (e.q. awallowing
 anondary malt of alcuration, on lue tionection,



 of the swollen pirts. ath wen thandomy may
 the alfection is apt to becone chomic, of indeed to



Clemation may oremr in fhthin, splitis, lupus, and after typhan fover. Fither of the latys may lat to meration, hat tha primary
 are alat met with, the more commom varietion lwing papillomata (ware) amb libromata. l'ar-


 cured. Pampas of the maselen which oren the

 or thest, and is oftom inemahb. The tematment must lepend unn the comlition diacomered hy latrugneopice examination in rath pase.

 -xplome the poresen of the barsme he means of a rollecting mirror, it wis mot until two (anman physulorists, Therk and crepmak, towk up the sulyeet, in 1 nita and 1 sis, that the great impurame of hitan-

 (1) its matrin, at ath :unge of from 12010 150 , the statk heeiner abut is inches in lenyth. The monthpieere of at later wellector, with at central
 hetween the mulat terth: ar, what is luetter, the robledor may be attablal to a spotacle frame if foreheal ham hy atithy whther hall-andsomet joint. 'The" bays of the sum or of a suod lamp are concenimated ly means of this
athertar on the harybreal mirros, which is phated
 mirror, previnsly warmed, and intornacol with the risht hamd. whioh reats by two lingera on the jaw. is matntained att anch an inclination that it thasw the lierht dewnwarks abd illomanatom bhe patis tos he "xaminat, while at the stme time it reflects the


 the trathea or windpipe, and e:tu ere the athet


 ghoni for wheh we (an thas atain emable ns to employ ratimal matas of lomal treatmonat to an
 duction of larrurosorps. It is also pussille to
 conemontratol lisht upat the fromt of the thoat, and intrombeing at mimar intu the hark month ( / merche lemotmeq of thantan jhysifian-).

## Lat Siletter sere HistTE.

Lil 凶ille, a rity of llinnis, at the heal of

 with whinh it is ala, conmerted ha tha dlinois rimal. Jituminome conal is mimel here, and the

 wille- Pople - -


 W:aーhom at lamben in lbiz. Sottliner in Canmat at the ares of twenty-there, be lexan his travels with


 flatimed into the Ginlf of Mosien lete formed the jor-
 many and owere harlahan thi- lomer voyage was conelaterl, and the amo of Firatere set ing at the month of the wrat river, on ! ! A Amil lose. Tun yearn later an expedition was fittabout foretahli-h a permanent lownelntanment on the Ginlf, which
 villeg. lint lat ítllos bal fortume pormed him:


 river, while hin colomite ambl suldiom erambally






 the latre somanore of the Panim-nlar athl briontal
 buth temperate athd areile. Thes are mo-lly Mohnmmonlan, amil speak, henthe thoir natis,



 flal tor laty, where lar was inatmanatal in levir.












 an asylum in lats after the fall of ('mastantinumbe

 In the death of Lamenzo, Lam:ali= wollt to latio. where he tanerlit fireok with the rombtomathe of

 sujwrintentant of his (itork pros and of at -cominaly
 as ambassambr at the ennt if Frameic 1 . and after wamb at Vanice, and dime in lomee in tisho. From lionn low edited seremal thimmes phimeifos of the
 matical, with a bolmme of letter amb riturame.
 (laris, l-2.).

 was lum in sevile in 147t. He starlind at salat mance, saited with his father in the thimed voyate

 panioha. Fight yers lather was undined to the
 beny Iforn Vola-gued tu (uha, and he arsi-ted in the pracitieation of the island. anm its divionon into pepertintintos or allotmento of matives, and was rewamed in the mand way ly an amomemfor or emmmandery of lmianz, held fogether with his frioml Pedro ho lienterial. lant eme lomer a lomine bove for the matapry matios atmi indignation at thoir
 sabes, and went to Spanh, where lite prevaled the Citrdinal Ximemos to nemb a common-anom of inmping

 : Alopetion of stromer meanatro for the protection of
 tion of the native rater loy $1 \mathrm{l}_{\text {a }}$ toil to which thes


 flantations: and the ponmeal was abloptel. Bas Cana- has on this aemont heren repreandod an the aththor of the slamedrade althomph it hats laren fromed to hate existed lefore thim froposal wan




 tion in anstope sergheion and dovoted stmaly within ther walls nif a Jominitoth ernment in lli-panionat.









 reworme with the mont atotive hotility ly the


 lle mainatimeal his gromme that the flamting of







 rlains bi the arown in the respecion of the
 at meanare which womld hase bromotht final amil

 （1）the appresed native bif datamala．Fe muld his life in at renvent in hadrin，duly hita，at the



 we，the histriverather and empranimof Napolem

 fore the lievolution，hat then then from France． and vaportme himalf in bustand by prate tearhas．Lftre Naperom herame rensul，lav
 A work that he wrote，Athes histmenter（ 1 vas－4）．
 him a harm，and emploged him in the adminitrat． tim．Ifter Watarlow he ohtained have to shate the exilu of Xigubom in sit llepma，and there the extompror dictated to him a part of his Memoire．


 Niopotenn in Ferile is a kinal of comtimution．Loth work－attack Sir Hatum lowe Napolemis bumpro Charging him with molne har－hane thatare hiv

 reformer，was ：t man of hinh tamily amd was lum

 his unde．chamedlom and primate of loblam，anil Chase to poter the chareda．Iles stadime finther in Fome and bologna，was urdaned in 103，and two





 duiting hix native latul in hais，ho setiled at Lomvain in the Nethorlands．But a var or two

 sule


 Chareh，was in misit part his work．bint in liso lue atropted an invitation loy＇rammer to visit Emblat he hat athealy pained the wimer of


 him bask to kimen and satheral hiv flow． Stere stayine a while in Frankint om Main，her


 of I Laver as suprintandent of the chardine in Littly Palaml．If：dien at Pircome on ath ，dan
 from the laman，Iswi，which omy lymes the



Las I＇almas，whei town of the（amary liand－





Lansalle Femblavish，who may justly be mgarted as the historie mixinatur of the sociat domeratic moveluent in lematur，was hom at Breslan，$\backslash$ pril 11，18og．Like Liarl Mary，the fimmer of intemational armialixm．he was of dawish Patriction．1，amallore father was al proprous
 follow a hasiness career．lint as amor Formant
 of Drestan and Berlin．＂horee he levoted his time chietly to philolosy and phimophy．In milnandy he was al disejphe of llagel ：and it was his dirat literary amhition to wite a work om lherachitus from the llegelian puint of viow．lhume at stay in laris lae made the argmaintance of lleine，whin， like a many of La－sillas frimuls，fommed the higlust phin of hiv talont and pneres：

Wh his retmo to bionin in lsti her but the （ommens llatzichlt，al lady at variance with her hanhant，a weathy（ieminan molle of high rank．
 thirsx x thimmals amp alter right years of litiga－ tion foread the lanshand to at compromion on lemes


A＊a deribed ：dherat of the demberatie remblic

 where he then reanded，bent six monhs in priom． He liverl in the haine comatry till lsis，what he womed tu Forlin：and at the same date bomsht




 This he new nitili－al in writime at when the philn．
 （stii）．It was an attomet to aphy the bimation
 Well qumethe whether her has mot offorn hat intio histors tharorise of wer hambent waldity．

For many ams afor lsf mon nitumity for


 the ：ain of the latter lating to reslabitat the demaracy in faer of the half hated liburalim of hio time．Ilis tiont aflort was to show the futility of the libetat policy in oproing amy refom．
 commertion of the prexent lemion of himoly with
 the rontrast hetween lanadle＇s fonitiom and the










 timed his axitation on the khines and in the
 to hiv caltar，hast withomt sumpors the ehiet literary pronduet of the winter was his Derstert－



 － 1 the lahime．

In la，sammer of istit tasablle met on the
 lati pres jomly linewn，and ly whom he had leron far－inatial．Thas ronolvil to marry，lat rmomutered the stranest ofmeition from the
hals：parents．linder prosine fom them the laty at lant tenomed hasalle in fatome of the



 mattally wombed，and died two day－atherwads，

 arcintont；it wat the antome of the weaber elements in a remarhathe chatatur．

 apprach to suela an exporitim，we timel philowh hic statement tow fromentl informpted ly montit
 apment．We eath maly shean fonn his work the thos important mint－of his learhing．Lawalle hed that the hintorical deschoment of Eurone is
 political interests shall bu shlergient tu arcial－ the sadial demmeraes．The demaraty of wahers． who ate deatined to low the matere and reper sputatise if the rew onder，are to herended ha
 ity．But they wamo loy thar innateal ellerts fultil thin high mintm：the mead monanation．＇this mganiation they will fiml in the state，Whiel is，
 workers，inammely an the combitute the wer． ＂hedmins matuity of every commanity．The
 （1）the function of policeman ar mere pratretor of property．It will loe the aim of the new epech tw raice the atate th it－hish and ancomt pration， ats the prombtel of freedim，valture，moratity，ami prostens：it－mionin is the flecopment of the haman rate in tion way of freedma．
 material means to mable them tor rise the the hish wation lewomt for them．At peant thay are arnseol ly the ion low of ereys．the law which



 ＂al economith emerally．It wat the hetrine of thome ecomonisto that the wohmanis wat repers sents what is nocesaly for hin solsintence（in

 in his fanily．It in mot a livel ghantity；it rise







 was．The Fere in antinnal arallation，but it


 at the preverst exmomic miler，of whirlt the iom

 tor alow worhingerelaw ；in ollor work，it follow：
 Cumbenvoltally whatan．

For the joblat of wato in movely an implicate in the serime of alatat，the experition of whim in the matu thene of the Bertartarhater．With
 Whath we cat traer，the hisatrpatance of whish



 the development of mathimers，and ot the divinim of halumr，and abwe all the alpurpatation of the


 the shiphas．Thus the wheral exprition of capital leak ha back again to the iron lan of war＂．
 schalze－belitarla that the working lans ranout
 of wane＇lhe state，wher funtion it is to phe
 of hamaty，mast fmainh thom with he meresany




 zain for themelve the entire lenelit of ：an wa inctasing prolation．Hi－melle wobll mome


 indartries of the whele comater should forma wedl－ orderod unity，wherading the proment anarchio combliton of thas ley a somatie，ratiomal and

 allequat：Euarater for forolom：the state would imply see that it－Mo．lit was not ahocel．In oflect the sorialiom uf Limalle is a mollectiviom． resemblins that of Kablucths and Mar，hat in
 Sine lataralle＇s time the prlitical exnomy on

 and the combtry
liemstoin velited for the sucial domecratic party in of
 see the articles IAlix，Mulation：monngraphen





























 Astron．S＇ut．．bul SNi．，for him work in Malta，







Mitopendow，ami translated into Latin daymaras fitugntimhe．He alon asweiated himself with
 1sob）．la kaju he lerame extra－odinaty and in lsto ondinary profesar of Dnemat hadian han－ gutwes and litwathere bonn，and tanht there matil disalded be himdues in whit．He enditel many stankit work，deoply invertgatem the refations of the ormatal lamanaso and antimitios．
 Amonget them are work on lersion＇untifoms

 his Ervat work an dudisehe Iltorfhemshimett，：

 one knowhye of the mation inseriptions，of the inseriptions of amemot lals．and of the aneient and monder hramian dialects．Ha was one of the
 Mongontomes．Latomen dided at ham，bth May心．
Latose（Spuish lwon）a thin，well platem
 ratehing wild rattle．Whe ond is fatened to the

 nomed，nanally \＆feet witle，is fommed．The rider hohls a eoth of the laten in the left hand；with the right he lexteromsly whirls the aren mone rumal his hemb，amb hats it（to mo seat distame hint with is womberfally sme aim）st ats fall wer at given objeet－romil the home of at wita ax，or the like．la Mexien the liane is la ment （＂the ren＂）：thence the trom luriet for ：h hime of linen in the lonited status．The lawn ham leen




 flominhines purt during the early rmpine：it wats still at weathy dity it the time of the＇rusades．
 Lention wel Mare，which wat fommed lay Selenens

 Eronn on the lith in the interion，and some orain，


## 

Lattern－satil，a later thatumber sal，common in the Moditertamem．Now sum．




 is an＂of the Erados lotwerel fill lifo ：and total

 ＇ondillant life＇af than which himemate．It in




 dignts of the liontall flamedne and stom in









When tost Syberar ha Empror Constantine． It was minimally dedicated to the Nasiomr f hat Latine II．，whor rehailt it in the midne of the 12 th rentury，dediated it to st dohn the baptist：in bists it was completely demoliched be Nistus 1 ．， and rebuilt fom phan ley Fontana It hats been the

 labiee was the hatitual re－idenoe of the peptes till the lith century．It is mow mader the control
 portion of it into a masem of chasial subpture and eary Christian antifuities，In the finaza of the which tamb the celehrated relie callon the
 （1）be the staiss of Yilators homse at Jernsalem， made holy ly the feet of onir land ats he pased to נй

Latorite，a mineral andetamer，the prownet of the divint eration and patial derompention of vari－ ons igntons and chiviom rocks．It oftenattains
 ratons．Where the hatt is extrome and the minfall at wertain absum in eqpoms．In surh regims the rhamial docomperition of serks is mare or lems rapidly pfledent，ind the woltiner pombers may he －wept he the rains orer wisle athen．Tha carth so
 where in the dry seann it is bown ahant at ane
 and to the dreans of the inhalitants．The real． mose of the street and romds attracts the notice of wery stranger at bialla athd colomhe．In the Werean laterite derived from the demmpention of the hasalts of the sreat platemes reandees at thick－ mos in man flacto of mpards of han feet．The red colour in ha to the preme of iron oxite：lat When thi is abent or in small ghantity the laterite may 1 ＂whiti－h or yollowioh．
Eatex．in butang，the sip of plants after it hats loen clathated in the leaves see som：
 milnowist，wat lum outh Marh lsig，at the

 hridese of whith in dhe comer lie was elected fillom．In lste he took the decere of 11.15 ；bat nime yars before atome in banam and Nomay had lind him te dired hin attomtion patimbarly to
 hold apmintment in connertion with Lomatom hos．
 fram of the Emeliva Lathane and Literature in
 direetor if the ethommital dopethent of the Prystal Pralare．Ilis lisa worls wan Nerma！and


 thomeh momerns andions．The Saturel Itistary

 Smone his other wath mas be montioned his

 （intonues（1s， 5 ）：R：thmelugh of the liritish lstemdo







 the mental Sian thers？of the ereme Aryan，and


race orimated in Emope．He sathed for sear
 since Isti：he hat hren in reepit of a govem ment pension of thos．see the hos uhthay ly ＇ C ．Wats in the Iftemorn for lith thatel lscis．

## Lather ser Tretixis．

Lathom IHonser the seat of the Earl of
 It is a diectan manion，boikt ahout lion．It predeceson was aplendidly defimbed lay ©harlatte de la Tremonille，Conntes of Herly，against Fair－ fas in llat．

Laths．Latho are small striph of womb af vai


 from（＂unala deat．The－awn lath are at mulem introluctions．dias th the ilevelophant of steam sawmills in（＇anada，which thas hat up the－mall
 （1）the mutight of fartion wath and to the ratem of exilimes：thoy are plated wighty aprat ta moeive the phater，which，leg being promed into the intervals，is retamed，ahe when dey is hed recorely on the wall．slatex lath are longer －tipi if woml，nailed un to the framework of the roof，fin the furnore ui s－tamine the slates， Which are iotemed the the lathe herale

## Lathyring．sersweer－res．


Latimers．Hown，Protestant matyr，was bom at Thamatom，near leirestor，alhme the year las．
 lanik of his own ：maly lup had at firm of three on
 he tilled as mon at kepthalf a doen men，Ho． had walk for a hambed heop：aml my mothes milked thim hine．He kept me to sehoml
 ne any other thing．An mly wh．Hosl was sent at fourtern to cambrialee in lish（while－till an
 having taken endor anme nine vear before，was in
 for his 1t．J．thes－lue dolisomed athitpic agamet Melamehthon，for lae wat，in hit own works，ato

 he＂hegan to suell the Wend ni tam，Emaking the


 Watm that many of the sathement of the what fath were trongly exited atallot him，and he was


 an to the lawfunco of It－mys mariage and ha dedated mon himes side．This semped him the rosal iathonr，ant be was mate chathatu to Ame bindern and pathe of Wrat Kinghon in Wilahime．


 work of refomation．After a shile that work












 was his great fow or，and hy lis atring，homely －rmone he dirl much to mase at ant of religions canmones thronghant the land．It length hy
 of activity．ho foril 1．⿹勹日．he was examinel at
 thene，where lie lay for mote than a twamomots， freble．sidkly．won out with his hathing．In September lion with Tialley amil Cramare，he was bromblthefore a commisaion，and atter an iwno． minims trial was fumblenty a heres and hambol wer to the rephat power．the hoth thether le

 Ma－ter lidlers and flay the man：we hatl thi－day
 trust lall never he pint out．

Latimers charamer prements a combination of many noble and disinterested qualitio．Ile was ！mave，lonest，devoted，and energetie．lomoly and bapulat，yet free from all volenew a matry amb heno，yet a plain．simplominded．wnmetmbimes
 dire evanmbal fermor，distinghish his semons ant his lite，and make them alike interesting and anhirald．

 Toulloch＇s Leteleris of the Reformetion（1sa9）：and the
 li，H．and ． 1. J．（＇arlyle（ 1 ：M0）

Latin Empire，the name wiven that fre tion of the brazatine empire which wa－seizel in
 their capital．It wa－merthown lig the tireck in

Latin Lansuage amm Literature．latin As ane of har member of the Sram on hato
 reveral langatere were in oue ：of whith the Etrus can，－roken in Eumia（of．v．），and the lagngian， －puken in the emoth nant of the jenimola，were nom－dryth，and wry distinet fron one amother and from all the uther latic fomenes．The lattor

 and the Letth．sulven in Lattimn and panbibly at

 hate hat chay allinities with the Podtice thnomes
 the relation of the latian rilu－to me another，
 grawth of Lome led to the dimiatare of the latin




 combtren thomathy promated ly lanam libe and
 on Latin，ane imbul latm in at nen he．．．latian
 Spai－h，the latter equerially and hamd mandy an












it suith hintory, perlitios, juriopmatemer, the businemo of the law eromt, hat it is not plitat or mexille
 eal sumenlation or to the wetinements of the highest pertry Horare, with all his mbill, evidently found, in the comporition of his onden, that latin dill not

 at liome till the arde centary ser. It thath tors the form of ambalo: we ran hamally dienify it with the


 framily life in the errat homase of lane was in-

 withomt an watim omblatmoratine the morits of

 treanmed in the family archiver, and in them that


 'The sintomatic treatment of it was mulertidime

 in fireok, furdiner no ilombt flatt as ret Jatin was hatily wat to the semathd of literary eompmi-
 an he was styden, who land fumblit in the erat wat with llamilith, and who lived om into the minhla of
 of fatim pose flin history of his own time, that hiv Urigimes, in which he ilisenssed the migin of

 duly a few meage fromments have enme down to Un。

Coutemparary with thene men were two proets. Nievins amd fonmins-motriat ammaliots we mas call thom- who rase the limmans histarien in verse
 in the obld native latian metre satmaian, an it



 uf their works are still extant, sulladent to show
 tions alout the winin of limme.
 thore srew up at dramatic litorature, to which





 thate a mat of hameplate cond mat evolve amythines that hencmad to lar rathal the drama till it had




 tione the theatme laratme atorosminel instithtion












"yually j"pmbar, now took its place at liome. Thronerh bimnins more emerially the rather ques. timathle maral influmes of the elever amb snbtle Embindes, with its commopmlitan abl demationalis.
 whithe result of somarwhat workenins the fibe of
 we know hat little manational hombs sem to have been perentiarly attrative, foweriag perlats
 ation in the estaliatorial rambatio. Of enmedy the
 Plantus. desorverlly a nomed pronatar poet with the lioman people, in his twonty extam plase tostify, fall as they are of origimal hamomer, of hright, witty
 it reemos, wan exhihiting him phas: in the latter part of the Bat and the early reats of the eme
 val: sis of his emmedies which hate emme down to tux -how that at rather more retiond and enltivatmd lante was emminer into fashom. 'Theres is


 than reporhace (ireels comberine evecially thane of Armanmer.
 of the Arama, distinetionly limman, so that Guin-
 Waty mation "satara, an the limmans ratleal it-my whirl they sema for lave meant both a sort of fode dramatie medley or miserelatmy, and at string of reflectinn, in a pretical fomm, an mamkind and the


 in mar some alomit it. Embins wats a writor of



 - lavemal. It wan from the fundo aí the mald Cireek
 that he harrowed the inlat of porlitial matire, in which, it seemes, he allomed himesti the ntmost frenlom. 'Ther mbla men of the dis were the anb. jorets of his attatelos, amb he lasluel them, it is sade,
 roush, that lie wat moloulifodly a mans of real wit and gemins. We have maformantely only at fex seration of his jurdy.

Prome litemature was hat fandy moremonted in

 a very meath opiniom. They sond for hate leen

 In the carly frate of the Iat century was a how orian of sombe mierit, Sindmat, who alestrilad the nocial
 -

 :und panstakinč witer.








 amdphilonghimal asats, mome or lemaremembling the

 lacal wis with the ald life af liome, and he tiked to
ridicule the new lights and bired philowhy, then Fecoming liandonalde. Indeed ha was at witt and lively sationt, an we may oce font on extam fray-ment-a and he munt certainly hate hern ane of the
 sthilent ami a elone tradyist.
 the aim of hi- lifo to crate a perfect proe stale,




 phideaphical works he dosternaly adapted Latin
 comsilutahbe suceess a diftenth work whinh had hitherta heen hat bery imprteetly ateromplinhed. The gentral sertion om him is, amb at far at we cam see will alway - he. that he was a mommate arti-t in atseo if ant a depp or imitinl thinker.

In junetry, in che tirnt hali of the lat centurs there Wat a now departure, a retum whid fommad
 It the heal of thi movemont atamb Catullise the
 man wi genuine portio feeling and witl the patho.
 in the thore clalmate onfe of Howate Catnlla
 "onlture. His prem-the chancones tow, it mast 1a dearab-acouraty refleot the tome of gay foman


 i-m, acepatable mandat tor of of his contem. forarie-, into the dre. of hesaneter veree in which fae cmanderally impored on Ennins. There is a statelines if not mach grave alon the hexameter uf Lacretils. Thes subject-matter of his work is -lecile dly unumetic. hat the genins of at pert make. itnelf felt in several paraige. In tha midtat of at Ireary widnerne- ate mayy locatimi opts and reating places.

The later part of the let century Wat the great ace of Roman pretry, the age of Virsil, Honate, and osid, faniliar hano throurhont the whele civilieal world. Fhom fatt that we haplity proes. their warks ratire is at poof of the himh cotimation in whids they were held. Huch of what is hees in mandern puthy i- ditimeth traceable to their ingiration. It haw heen the fa-hion to mak of this perion an the Surnotan and.
limil (al I! E.c.) satid to hase lum or ureat admiror of bacetine, to whom lee wate evilently imphend. han the special mest of having homgit
 There are no hexameto in the whale rathe if Latimperty to "ombate with than of Virsil. Jlin




 batron phimes of acricoltural life, atal writtent, it


 tons, which lue fone into vere with extrandinars

 father:- life Way of winchan to his sumbl

 ho imitate Homars here low wito with the dedin.




 from the rank af rather an mall commery anime to a
 16mu'.
 arimin, the som of athere whe had heril a slam.



 still there is much that is truly origanal in them, much that is divinctly Romath ant then in an

 Which to all Latin orlolan-ate mond delightion, seen to evaporato even in the bunt shifna transha-
 of his writims. becanse so full of lomely comon seme aml a pleasant, in mial homone, there is it chaming lighthmo of thach, an eas hatmal stale and mamer which lerhats have new here erpaliend. llis langh las mo liftemess : uf sutive in one sense there in bext to mothing in the a ammang ematy. "The teranos of his lamenas, it has heen well
 Like" Visgit. Whas fitmol he was, llame enjoyed the favoir of hasuetus.
 the Limman juets, atm his facility in jwetic eom-
 Hi verne in a manel of clevemess and ingentity. Ihi great pem, tho Metmothouses, is a callectiont
 men and womp into anmalo, trees, plants, or

 if old fone ant lore herine, is in the whole pleasant rading. Hic lave pactry, on which he suerially prided himeti and mo dombtow treat helight, are sery lirisht and playful, in style ani Pxprewion abment pelted, but they ham not mudt Weph of antiment, and hare and there the are
 well moleretam how it was sad of him that he commper the momals of the vonth. He hat bern fatly well demeriber as tha pret of farmonathle
 "an forcen to emb hiv das in a surt of siberian exile on the nhere of the blatk bext

Two juets, witers of Matw bera. (ontemb. praries of avil, dereve a parange thention- lan. pertins and 'Tibullas: the tirst leamed, pedantio,
 fewour into a manly disnity and mohlenese of thonght: the later swert and tember, with it deeviled ting of melandals, the moliandmy of a Roman wheresignel lameti to what he rexaled ats the fallow fortmets of liis rematry, anil who deliberately heph alowi from the imprial adut. Tibulla* was the fiemp ni home and wit.
Prome literatime it the lat adtum bat. Wis mo
 Casar wote the hiturs ui hi- rampaizn in a ty le



 - piramy and har war with Jomertha, muldhad him-
 orphatal texitmont of hivens. Io sot limur hat



 we lathe lat fraymonto.

 the livan! af limm from the lexgming down to
 dermans, :ond of his drath, witime dirineg the reign of . Imantus, with whom ler was on fricmily



 Lives troitment of his subjert exibmoty homame
 time. Hemere thre low uf his later hooks is ime
 for athoromeh hiviry of limer in the lst century
 and lively, as pioturesplat that of mar own Mandulay, hat he is but it learmed ar critical writer: $\mathrm{la}^{2}$ wrotr for the publie remerally, not for

 empire, not to sift the lomemes whicl hat arthered ronnd her origin and minly erowth.



 seape, amb no íintory. With lhmiti:un, the last of

 mathal loy the manos of Invenal 'lacitus, llims the Yomber, and faintilian. Vnder Nero indeed there hal luan a few miner lights in literatime: the satirist lersias, minited amb dramatic, hat whereme amb athertat, remindines ons here ant there of Browninis: Suran, athor of a perm onow real in schomls and univarsities, leseribing moler the tite. Phersater the eivil war of (:asil allal I'ontery :
 and plitusophy, molombing the they low what wits.
 a floristian, wome. To thase we maty ald thas witty epighammatiot Xartial and the lewned amd lahorions lpliny the khar (2:3-7! A.D.), in whose Sotomal History we have a comprehensive work
 attempted explamations of evory limb of natmal phemomena. A ommpiation rathey than an mingal







 hat our foraty ympathy, and it is explusesel in jumes vigurous latin. dohmom has imitatiol two of his sattiren in his Lomblen athl hin lothity of M!!"!e"! IVishes.
'The mont conspienoms literaty lientre of the ase
 Lisy, matn of laters and mothins more hat who

 tome of setine rum- thonith his "ritinges whelo at
















0n those wilal regioms. 1 li his Amals :umd Hiswries, murl of which has been mafortmately lost, he deseribe the perion from the aceresion of Triberims tor that of Nemis ( $1+$ !/ 1.11 ). . Ill that remains to ns is his history of the roigno of 'Tiberins, (taudins, Nemo in part, liallas. Whom. Vitellius, and of the rise of Vespasian. Ilis Ilisioniss, as lie termed the memoirs of his own tima: bere wilently written
 beoks is muth to be doplomerl. In these we should have hall: minate aml trat warthy marative of the threw last (assara, and of the hetter thate which hegan with the brief reign of Nervit Suetonims, a
 of the twelve ('iesits, whith have come downt then


With Tincjus we may enuple his inimate bient, lims the Vonarer, as he js kown in contralistinetion to his umele, whom we have itheady ment tiomed. The nathe in Ernerally fambiat ats that of tha matn who as the socemor if a boman provilace in S S J Jinor rame into eollision with the eaty thristians, amb awo his opininn of them in a letter to the Emperom Trajan. Plinys letters, dealinan as they do with wery raviety of topho-pmlities. literature, art, socicty with wlinges into his lome-life ami deseliptimis ui his villas-aml writtem, teo, in a pleasingr stat of wool Latinity, monk among the
 sperial interest as illumtrating aspects of lioman life which would otherwise le unkowsu tu us.

I worls aloonf ermat merit has happily come down (1) 11 from tha pen of an embent profrosor of Hetorio, quintilian, who is sabl to hase mambered
 and himberl subjects, witten in the reisn of Domi-
 eritioal tave the whole sulopeet of cilucatiom, and
 literature in its ermerial commedion with matorical tramimes. Scholarshamealwass almimed its elietiom.

Latin litarature is formatho thme amost a bank,
 names are not worth noting in : hriof smmmany. The abe ai what we pall elatsical hatin wat tinally wer. leoty rleforiejoms and egntomisers alone
 rontury A. Is. the grome of the Emperor Therenlosins (the liret of that names), we light on a writer who hats brom deserihed ats the liat nubjert of liome
 shat: Ammianus Minterllinus, the histotian of the
 hatif of his work is extant: in his wo have it full ateonnt of the rejuns uf Inlian, Jonian, V:alentinian 1. ame ll., amb Villons-in all twenty-live leats of the history of which he hate a pmamial limonledge.
 laters. The last of theremain purto. flathliatus, tharivhed almot the sathe time.
lat the latat yeurs of the sth inal the tima half of the lith cerotury - 11 . livend the lammed linethins, "home work on thi" emmalition to lave derived from




 and the drowndent lubliot.

 wrimen of the seliptumen: in latim, more or laso roleneed, wem writurn far worlon of the Latin Fithors, of the thomberians :mat thinkers of the




Jeambing :and litamate atmond died ont for
centuries, the perionl we fall the dark tars.

 althomoh it in trae that lame impored mot only


 wroe to it meat extent retainosl: lint, with the intrmbetion of the detinite ant imbetmite artidens of the ausiliary verb, the aldition of at matane of
 of ghantity in frommatition, latin mmlerwent a
 its Aerivativer, tha lamaner lamorages. In its eoprupterl iomo, howover, it was for at lonis prerim!
 centurs. With the revival of latter in the listh

 its most eminent ropermatizas. Latin for thr
 commandeation in fla learned worlel a and ahomost all


 wore writan in latin; where the works of lameon,

 in Latin: vamblato for dermes divpated in latin theses: the irater herome anm after meals was in Latin-a 1 -aige otill -naviving at OXforl and Ean-

 alway゚ in latin: aml lof Arnohl thorrht it nome

 It was intmal atrot instinet which insigntal the
 and univeratios. Sut moly i- it tla key to at most impurtant literature. lat it thoms intinite linht on

 it is an anmimalo in-mment of montal diseipline.
see the articles in thas work an the several latin




 the itrman work on the hiotory of the danguage and




 Leterotore (new ed. I Nut); Sellar's Remen Pouts wi the







## 




















 dist of Amorical. The Araly genertiphere lan! alon





 mapm make in tho I nited kinghlum :melthe l nited




 uf dimenwioh. lis the derivion of a conference al
 in lat world. Jothl at 15 ashingeton in lant, the
 bersal filme maridian, from which lomeitnetes ware
 W.) : the framel delecito ilimontend, and in Frane
 although reforence manlo to (ireenwich lomiture ame now manally alderl. Whe ferman mats the maridian of barlin was sometimes omployed, in Italian matre that of limme, aml in lanwian mat that of loulkowa obatovatory (st leterbarer) is still commanly unad tognther with that of lowno.

 ciple on which the mono whad mothonls ai linhlime the latitule ilppem] will be umberotmon from tho followinge ennsiderations: 'Io ath mberver at the earth": equatur the celestial pohs are in the horiaon, adal the meridian frint of the equator iin the zenith. If now he travel monthwama as one derree of the muriblian the morth celestiad pole will ilymetr onte dorree abme the lamizom, while the merimitn print of ther "puator will decline one dergee matharmis: and so na, butil. whan la* reabled the tervestrial polto the joblo w the heatons womble lin the cenith, imil the ennator in the harizom. The man* thing in thm
 aprars that to determine the latitulo of a flaw we have only to time the altitmbe wi the pole , the semith diatance of the moridian print of tho "中uatur (the eomplement of its altitme). 'l"ho
 is, by mo:thx of a mextant, tu olsembe the nuroridian altitnder of at atar whame deechatinn or



 the altitnde amd arolination gise the mandian






 (36) per dat, (1) lis for mely lami, or I fon











iv mont realily amb abenrately derrmanod by an






 dermmining at what lomar on the choobmueter





 -imilarly, if the - hat be mor the meridian of al pare






 tather ot thes momen fomm comting fixm stats is




 parallan, atol the haral tima laviner alab been




 and to the print on the ectiptice ealled the Fivinams

 af a heavenly lanly relativaly th the equater ate



Latitulinilliatha. a mame tuplimd by mon
 Enctivh chumeh in the datter batid of the loth













 of the -upperatuy of reaton it the tom of truth.











 In whith iles birtho at fath and the clame withe

 - troneth.




Latillitl. sue liont:



 November ITt3, at rablaix in Finistero, of an



 alvancement in military rank, and wat hilled, a



 instances of lia hariner valmar, lais sumtans simplicity of life, and his chivaloman athertion for his
 ammand for him three hays ; hiv satre was platein in the charell of the Tavaliben at Jixis : ind every mombinar, till the elone of the empire at the muster-




 fortyime it hes Antiguites des lietums (1-02). See



 Hepartment of ('ommon. 'Thomarh he completen his


 the Mnsemm of Natumat Hintore at l'aris, amb in (x:a) was: alymintol to the elatir of Nathral Ilistory (alone with the lilamville I in the seme institation.



 improtint of lis- other woms arr the selemmenters






 applied to wheet-hrios, but alao wed for sheet-tin and timali irnm-phte.

Latter-alay Nitints. see llusimas.





















 rarimon lma mootial an antirlo of fomb to the
natives, who eat the yam like rowts. The native name of the plant is Onribotreme, whith means literally wateryam. There are semal other paries of covitamitra, lut none so rematkillae and in teresting the thatice leaf pant. Whath is fre quenty to be seen yrowing in hothonses. som


Latude. llexit Mazers the pramer in the

 to seare Madane to Pompalom's farom ly revealing to her a plot to puimon her. The plot was discovered to be of his own contriving, and he was sent to the Bastilla in $18+9$. In "pite ai insenion
 When he was released on combition of living in his mative village lint havig eone to liur agatin. he was imprisomel till 1/84. It the lievolition he was treated as a vietims af doportism: hat he Hied formoten, l-t lamary lang. she the mono


Lamball. an ancint town of l'masian Sitesia,
 on linen and cothm whans. pintins, heaching.
 H11-sites ( $1+2$ and $14: 31$, and ly the swode ( 16840 ).

Lamd. Wtlana, Irahishor of Contermary, was lom at limaling, a well to-do clother"s son, in ath Getuler 1.5:3. From lieating free soluol, where lie "had the hapminse to he elucatod moler a very sewre ehombacter." ho passed at sisteme to sit John: Collew, wemol, of whith fomr yars later the was admitted a fellow. Whained in 1601 , he mate himself ohmoxime to the miversity athorities hy his open antigathy to the dominant buritanion; hat his solid bemmers his amazing montry, his
 churchmanship, -w, wom him lustl friends ant putrons. One of these was ('harle homunt, Earl of beron-hire, whom in toda laud married to the divorced latly libh (an offence that ever weighed heary on has (onsempe): another was buckingham, to whom lur lecane confemor in 1622, having a month previmaly dipmod hafore him and the comes his mother with Fisher the denit. Mram White he rose steadily from foremment to prefor-



 (16i6), Prelambary of We-tminter and Bi-hop of


 ( 1630 ), and tinally Jochlishone of Catermay
 a cartinal's hat; fint 'my answor,' he writes in his
 would not sullior that, till lame worn other than it is.
 hat virthally howeme the fire minti-ter of the



 wantoraine the Finglivathurehtoite Shatul pons


 he drew up at lit of 'Wrhomber and ' I'mitan ministers, whom, the what and the tares, he pros
 ing. Viretelom of wor-hip wa- withorann from


 and Sabhatarianism were to be sureroded ly a elaborate rithat, by the doetrime of the wal preathen. colibacy, and confeston, and hy the bowk af Sarts
 llieh fommision and the star "hanimer. Nor was
 ment if l'mitamion within the Anslican rman

 .hxim, Manwaing. Momtane, ant Wren; which has home later thit in the Xomjormes the 'lyartarians, and the litualists; and which torday hat
 thronghont the work-the altar-wise funitim at tho Doly Table. In trotlam it was otherwise. There the tentative aflint mate by lames I. and
 han merely fatom. Sands womal attemit (Itaia, :-), involing the thmong Anglising of the scotlish tharth, wave hirth to the riot in st cilas. Eslinmurg, that riot th the Cobemant (q. b.), the Govenant to the " hishops" war, and this in thm to the motethy of the Lang Partiament, which on 1sth leceminer lito imperached the arehbinho of
 He would mot acape (tirotins nerged him th ifn sol: and at last, after a tombion amb compliaterd trial before a hamint of percs, of whom never more than fomterel were present, and of whom the Speaker abme sat through the whale frowomings. after a defone that extortad prave eron from Pryme, on 17th lecembry lift lu was wot Ggilty of moleavouring to mblert the law: to overthow the l'mestant rimion, and to ant as an enemy to parliament." The julges manimumats declaved that this was not treasom; lat buder an unconstintimal ordinance of attaindor, and the Eallows relortantly commuted for the axe, he waThehealod on Tower Ilill, Inth lamary lita. He

 Dhine at loford.

Tolley lin Land is "the holy martyr: to Lands arcusers 'the great incembary ;' to Macanlay just 'a ridiculons ohl hisat.' 'lio nis he seems rather a
 cincernol alont trithes, cold and maymathotic. an little in mind an in prom. Withal, he was child

 I know not whon, and breaned of the harial of I know mot whom, and waked sal." Suprotition.
 the ehici sin of whin land stams areurod -intol erance. line if Land ant atl lomitans rars, th.
 indeed, was that he fand like the paratitn isy. th





Of Laud's works, boillected in the Aghon Catholic
 esting is his Diar, which wat puldished lig Wharton an 164. derer In-shan, hamd's chajlain tirst wret. his hisu












 the Eratost ohjowtions torit in that it is diablare to ewat variations of atreneth. Whan tho timeture af apium is ortered a helinite mborgh in alway






 atult varion from lon minime to a drachm. "Fis chilitem (as in the came with all opiatos) it mant bre given wits extrome cation. Ohemimim, or alont



Landor. a graint litale roval harah of burwick-


 1lathlinton, di. toroman member to parliz-





















 fommbanhalt, Itahlinglombliate. Ilo semed for at
 (1) the barmotey in $1 \times 20$, and liven at the (iramoen













 Ereation fownurite with the moh thet tho Whis.








 thintom, ath Nay llilf, son of the lise liat of





 the leestoration he hat ernimed the hinges rar, and lav mow lueamm Seeretary of state in sonlamb.



 armpulons as himablf, its well atm with more opern

 to charles, who likel his rencre and rimstic wit,

 bur month and leary face hataliond hy vere as We ree it still in Jely gestratio. Ilis main object was to hiner aboit the alsoblate jumer of the (rown in chmelt :mat tate, and for this and lie



 (a) be mantr of such ireaturen als the lumtal lathes
 the pron peasinte of tha west cmantry inta the
 land invituon luriner the winter of laz: and the

 fommerd a mblitia of 20,006 men reaty to do the himbiner of tho hing inywhere, atml drilled the
 was a mombre of the kinge priveronncil, lat at

 the soottish mbles. in camert with shaftenhmy in damon, beacheol their hotinht in laita, hat were foilet ly has own ahility in counter-phots atht the Kinges juramal regarel for him. On the foln May 168: a vote wis ratied in the Jlomen of (momons

 dats later, thomgh liwish nad af comrt intimidation and the Speakers eotupt management of lla forms of the llomse for prowing alommontits, the whbress when prepareal was thrown out ly it single vote. Another short strughe with llatiolton in tha Comsention of Extaten left him dexin trimm.
 matil manhor from indiamity to lablal it fonerer. lambermale in liv later lifo mantiod the ambitions
 way by hastoning the doath of his emantess. Ino haul hit one dimghtor, and hiv dulorelom died with him, while the eirlform and fimity titles gasarito
 the ansioties of constant intriane, at 'Tmbriture
 was laid in the Ahhys (lamela at Madingetom,
 tralitiont.




 (ok) to laf decuments. A melectian from these was edited by Mr Airy for the ( 'amblu tociety (3 wols. 1881 sin).


 and fyine on the right bank of the bilue betwan
 this dintrist was embutuered by the dahes of

 bores. After the extimetion of this lime, it was inherited hy the lonks of limamiak cirlle in 1702,
 kintro of lireat linitain，was seiked alomor with Ilammer bey the Fremell in 1s0：3，and aftawardo． with somp chatures of homblaty was made wey to
 （ISlis）．hat with resersation wi all rifhte imi


 inhaditants．amble in well－raltisatmal abl fortile

 whats it in how a di－triot．I＇tinat lsimanatio was

 tuwn of lathonlmar．unterobitial of the duchy．


 milen 大W，of limaig．ha－Hax and womben spin－
 Folt．It wa－mísimally a town of the Prombrice
 and linally of Dammentume．

## 

 T1REーI．

 form．It hav the weneral halil of a kingti－her，hat
 －ren mand mammala．＂lhe jeroblial hont which it


 tical hallits：lnoth lima inhalit Amonalia．

Lithtere 大qu NER．．
Lablurestors，till 1 隹 the combty town of










 （ lammereton，lusis）
 the morth ait the indabl what Habant，the coblatal．is to the month the clanf part of cutes amol maint of




















 learse without itipules，amb thowers in patimen or

oplonite toit－－










 fras：some for their wervelons．of which vituphon

 wolate wil in seat yhantity if more incisinns are



 atthough otheras sparate thern ats at distinct onder．



 history is involved in anme ohsemity In the Ihemes
 lamis．and at eertain lioser or lisherns．kiners
 si biorthomew in shithtied moner Itembl．We

 ing the（immelite frias，lantert litetum，with hime to sentland in la04．The latter apporntly went allon
 lann．lant wan captumd bu the sonttinis mblifers and
 price of his freedom．＂Tho batness of hiv verom
 the next centnry sontinh writer to itur umblling
 attiched to Bolwarl IV．as ressitior（ormificutor）． and hefore thic primd we meet the torm＂hameate
 latel wrath at one of the umivaritias for rlotorie and versilication in latin，the on the other to ans
 fonmer，：aml fundly syled himself＂locta sholen Latneathe＂in the heading of his Latin forms：










 the lameateobip of l＇y．It wim hame the duty ai


 inta alnexamers tomation ther rati of the rejort of





 （1619 85），followed hy an intromynm matil







1613），Robert southey（ $1 \times 1: 343$ ），Willian Wiots


 The Laurertes of Emitand（1s：16）．



 Mediterranean sori it is uiton a merp linh of 15 fort or lews．hat manetimes lnewhere at tre of 30 or even ta fret hish．It has mother hat bameolate． leathery himing leawe ritionlated with wim． and axillary chatern of yomblathe formers of no beanty：＇The fruit is owal，hainh hare，amel atobet half an inch loms．Buth the laves and the froit are litter，antringent，and aronatio，and were formerly math low in medicine as a tomachic ：and stimblant．The loracesare still and in conkery for llavomme．I＇ley contain a volatile wil（wil of


 dopine；it was saered to Apollo．Berry－leatring twige of it welo womal romml the forehent of victorions heross and prets；and in Jator timen
 many－Whence the term humention：ind，accord
 this day a lanel－crown is the mollem of the lamom to which pmete，artixts，and wariono aspire．
Tha Nohle Laurel is emmon in shrulberies in binitain，lat not nearly at eommon as the specians of＇hary－lamel，which shate with it the name Lamed．is do mot a few other shrmhe inotaneally very ditiarent，lat somewhat similar in their wer gren foliage．
Lather－themby，or＇herhy－tathela，is a mam＂



Cimman Cherry L anmal

 Whirli laばゃ evar，rrary leavers Ther have small fowers in lonas ravornuts．mald sllatlfruit－1lı． frnit ot a nimu ＊ons t：wate－ath！ most jrilts ai thes blant，hat particllarivy the luals lumes ：mal kernal？ r－•markatily alumbinlins in hyuromyin ie
 illal tharaforo sury jesistratis．

 （olfan－pworn ut－imply at tha lamial Br $^{1}$＇und Hant lamtal．tw












 now naturalised throughont the somth of Europe， and is me of the most common omamental shrubs in britain，where it suflior moly from surlo severe frosts is are of rate evorrence．It is propa－ gated hy seeds，lisers，and chtimas．Its leaves rememble hitter alhomis in smell and taste，and have in steat almmatare the same（xambial oil
 from these leaves，ly mareation in water for twenty fom homs，and sulserment distillation，is ohtained the Loned－motor，or chery－lomerl arteter， fomerly rmployed in matione as at sulmatute for hydroctanic arid．The leaves are vomatimes am－


 adedents being on reoral．A lotfle of cherry－ limel leaves limised and monstened is often earniol hy entomologints to kill thoir riptured pery Neither the emontial oil mur the hydmerame acid seems nomatly present durime the life of the leaf：hath are lulinved to he pembecel ly the drecmumation of amydialin，on ly a forment，hat neither of thase has hern anceessfully isolated． sureal varietios are in cultivation－matalhy．a．g．，

 is said to lwe the hadsoment．hareliont，amil most vigums of all．Inothor varies，aho very common as an umanental－houl in leritain．lot not gnite so
 （nsitumata），a large sumb－anmetimes a dre⿻－with smaller darkeyron leaves and lateral racemes．It
 the romman cherry lamed．From the dimimilatity of fom，siza，and tint of their leaves，these species comtrast well in the shrnhbery．Tlue variets myrtifolite is small ：mbl rompart．＇Ith Nurti，
 the sumthern states．and $P$ ．Alimifulien of C＇alitomia， lath amall and hamisme piergrems．

Lamentian system，the name givel to the bower division of the Arehetam Ssetem（q．5．）in 1 andia．Fior the lanmatian hange of momaths


 was a grand arphew of John latw，the fintanior，

 received rapid parament in the athy，imed hald

 of Vmare．Ho hoh high cummands at W：arran









 vilvermines．hat then＇wow ahomy extanatod in




 tionow tom of wes of every himl were exported，

 Nitionmel hervion for Juls lass．


 to the matural ondar Copmituliacrep. Its beanty is onhaned lie it hathe of thowering in winter. The Howers ire" white, in raymbic, and are sucherend
 intlame the month, if patom, like thest of Vezeron
 are the favmrite form of certain lifole hamo tims sulfers from severe winters in laritain, and will mot endure the winters of nothem Europe and the eohber regions of Amerieat.

Laturvik, a saport of Nomaty, at the hatal of a suall ijord on the wemtern side of Chri-tiania Foond, an milmo latal sill. ui Christiania. It hats several samimils, and exporto timber and other



Lathsannor. capital of the hwive canton of

 Where uf the Lake of (irneva, on which the village of Wuchy (where biym wrote The Prisomer if Thillom form* it hathur. Two princjpal part-

 thrown in Int. Lam-amme in fanoma for ite edueathonal intinutinn : amment there intitutions are the now cantomal mivensty, opencal in Alay lath,

 the loth century an! condeleted in the 13 th, is the greatert ornament if the "ity: this chuch wa- the
 Viret in 15: Whe when the the intrometion of the Remmation in the eity. $11+\mathrm{me}$ are the cantonal musemm of natural hivary and antimitien, and
 15.5 Lamanne hia hem tha seat of the Fonderal Tribmal, whirl decilme all ghentime pending between the -evaral "antom, :hal luetween the eantons and the federal severmment. Lasanne is much fregurntal her vitum- irem all parte of the worlh. Here (iblam re-jubel for many yare, and the homse in whinh he wrote the ereater gart of
 the actor, lipal ant with luried heres. The town has litthe induatry, limt comidurahbe trades l'ep.

 was a native of Latimame.

## 

Lanterbormanch, the mann of an Apina*
 tlows the Wrime laterhine, one of the prineijat ieeders of the dar. The salley is -urrombed by
 feet in lopicht, down whicll g"har alome il wome of



##  <br> L:111/111. see Biras.

 a tate on fu-ion. Latandiffer mowh in liquility at

 of silina. The -urfare of at lava-tream. whifl


 combu-tor of hoat. the interiur viton momita lomer
 How of the -trean somptimen lo a wry weat

 The and of the srean in a fondy monime man

each other with a homblather mow huens bumed forwated in the and start ly the vimill lave, whon
 strmeture of the int rimen at shlid lava-strean showe
 or len erystalime stmotnere the combine has

 the meape of the mathon math bublow, lawing the


 is -ituatiod on the river Blaymme, 40 mila lis rail E. of lamnes. Itconaf huildines. lath hatine form the 12th comtury are the crurifmenthed and the ohd dacal ciatle of the 'lomanilles (a frian


 whan Flemid weara- attell here, the fann has
 mannatum- linen, tioking, aching, de. In the



Lat Valotta. See Vinetta.



 and molle family. it an etrly ase she low her fialyen, and wa- brount to court her hother, who hat marrion a seemed timbe the wan mot a great heanty, and wa- dichuly lame: lut the winning charm of her mannor-, aml the sweetnes of her face, quichls tomk raptive the aftections of the kinge the really loved lomi-, and bure him fone chilfirm, of whom two dimi in infanes: lat, althong the and they receivel weald and tithen of homonr, the never lost luer sensitivenem to the dinhonour of their hifl. Whan hadane de Montespan becane the royal favombe-loe retired into a Carmelite numery in Pavi-, where she twok the
 - pent und than thits yan- in prombees and religions: materities. Her hoforions sur lu Misat -
 readited in lait. 1 collection of ler letter was

There are Lives of the I Juches… La Yalliere by Quatre-

 Tanthe 〈1:91!.
 nomy, Wat horm on lith Nommber 1:-1. at Zund

 pained a hiof reputation ly a whme of pumà.


 the of this and simitar "ulo is anm of hioh

 he ofliciathel in dhe whanater churell in hiv-native











 of wit ath humar form lithternhery and oflems.






 17！





 （バが。



 Simon dr Nomifort．Dop． 46.5.



 Wis：work inslman lo l＂Prominte et de sos Fiormes


 J＇ulitomen（






 Coblet alluiella（1st 2）．

## Lat Vermie．Sereviris．








 fal armantio frampare and an alomation hitter

 stimnlant proprotian，anol is nand in merlicinte，hut petionlatry the sibke of the llowners，as atomie，
 flownes ane oftom pht into wallonlos to krep away motho，and are mand nsed in pertamerys（bil af daermeter is promoded by histillation of invendar． Hownes with wator，ami is rathor lighter than




 ail of lawnomer with smallar gmantities of whar
 －isely



 fratiant，and 1 las oil whioh it biolal i－rallad rit

 the frepraration of cianialers．





motregrent on the lijuinh stanter They eomsist wi a very thin，Alat，pmoplo fromal．which is mot gelatinode．＇The fromil oil＇，rellperis is way and


 amb homedit（a table ：alma piokliel ami riten with

 plandalar tumomss，a property whach it probably
 is the＂red lami＂of robatmere＇The nathe of

 mon seaweed of thes latitivh shomes the frome of
 and smmetimes inflatel．It is biltorish，lout is














































 Iry to ：




 nut san him fron the f＂！
 died by the millorme．sth Nay liat．His prinei－







 poithom as to the mer ins wheh phasistl ewort


 romblat．lint when wa surati af law wo u－nally mean to indiente the law whinla is sat and ratorerd






 lamb．（＂u－tomary law in rigid thal fomalal in a


 the wrowing conameree of the rity compelleal tho
 faw for liomath（only）and toderine a now latw of



 the－bonce．＇lhw（ivil law，amendenl and ratimat

 the ereater part oi their hemal mbe a and idfas：pren Engrand，whim，via－iner burow directly fonn
 Hif her law from that－mmee．Sum－law has larmely
 law．
 tional amb erimimal fom prave law（which


 state：lat it rule are followed in dotininer the









Latw．JuHN，originatom of the Miswissifpi










 stulying the credit oprations，withe lanh．Nhont


 an matavarahas pereption．II wow si－ite dither








 notes，whinh enjused furgeret rromit，whilat the
















 int－ot the luth mentury，was lurn ：


 I．So fommd biam－alt mathe to sulmotile the wath of



 much homaned friemb and pititual direetors of the

 warmothat a worthy and pions man whatheliabed all that lex punfocial，athl partiond all that he



 som，a wealthy widuw．＇The two ladian latal at mited inceme of alown tamon al lear，and monst of
 they devoted themselyan in their arelasion，whimb laniod med twonty sears．law rowe at line amd －pent mans homra ofery dity in－iknt meditation
 for hat busin to stmin the witimes of dacoht











 able book，cheristamit！us ald ws the Cormetion．Jint the most fanmone of hie wark fematime the seremes







There are two enlectul edatums if his works，each in












## 



combinal Am-trian, Dutela, aml buglivh forces umper the Ibuke of comberlame bes the Fruch, eommamed hy Marbal Saxe, on wh buly 1\%
 deroste the antoms whill have arown wo atmoner merehants in roforme to marentile dumment.

 with, ind form fatt of, the common law, tund are hintingers such.

Lawna a lime kiml of Limen (r.v.), from whirh
 (islibENiNa.

## Labll 'Talllis, sue TeNNIs.

Lilwiences (!) rapital of Domylas momty, K゙ansas, on lhat Kimman Kiver, 3t milaw Sill of Learoworth loy rail. It is thas sata of the state

 sibely eirrien ond Lawrence vas fommiled in ls.it by Frees suil wettors, shated in the violunt strumber



 facturins dity, on luth sides of the Xermimack
 nedted ly twa railways. The river, whinh here fallo es font in halt amile, is aromai hy two rail way and two onhor lorilies, ami lys a ham ut
 either liank romburt the water to the mills. The mills, somm of which atio amonirst the latrest in the womi, manfantme motom and wowlen gaols. clath, and paper: amd engines, bilors, machinemy,



## Lawterner. ST, Neest LAWLENTE.

Lablererea. Sr, the Ibacom, a matyr of the
 Prmentims. Domaling to the lesembary arement, he was lom at llasea in Spain, and herame a deatom of lome in the pontikeatoof 大ixtus 1 . (an cepntury). In the ferserntion of Valurian, buiner smmanmen before the prather as a (hristian, amd luping called on to dativer up the theasures of the chareh, he po. Ghed the purn ath the sick, who were his sercial charen: and on his persisting in his refmeal to sacrifice, he wils cmalemmed $\ddagger 0$ be hombed on al




Latwrenter, (iforese DIFAEF, nowelist, was
 College: Osford, where he watuated with a secomal
 to ther hatr, wat alan a militiat otlocol, athil liod in










 of the lomjal, Lawnern was appointed rommor
 administration of thin mere amare har jowimer math





frosmoty. It was thongh the inthence which he then aremined wor the native popuation that be was able to rember such effective sorver during the Imbian Jnting. Inderd, it is mo parignabion tosay that he then prosed himadelf tulu the mainstay of the britioh domimion in India. "Ine once restlesa Sikhs hati lonemme so attachel to his limm amd henelicent mbe that Lawrome was emalned to divarm the mutineers in the Punjals, tor rave an amy of 5 a, 000 mern. amp to eapture tha aty of bidhit from the releds after an eventinl singe of there months. So timely was this sureomr, aml su grat hat heen his foresirht, that has wasthereafter styled 'the saviour of India. 'On his raturn to linerland he reeceivel the thanks of parliament, with the grant of a pension of flow a year. Jle was malo athmmet in lsos, and apriveromacilor in 1 sio. In lvil latwrence was. nominaterl one of the kiniefits of tho' Star of Imdia."
 temeral of lmbia: he was made a membre of the

 fegoo at yoar. Wis live vears abministration of the lmation emprowas matioel by the same wistom, foresight, and prodenee as dintingnished his eareer in the lomialo. His linancial puliog was hased mon smani pinciphos lar took at strong persomal intorest in the many whial poblems which
 proliey was momerally : !pmotal of. lle did not

 intrigning in . Itghanistan. In laft he was raised (1) the llomse of leprs as barm lawrence. Lord
 from 15 - 0 till $15: 3$. He devored the latet days of lis life in parliament ( 1 sis) to an wamare of the pulisy which led up to tha dixastroms dighan war, and which he land vainly -triven to comntenact in his rutimement. Ite died a-th Jnme ls-a. Sie lis



 Inme Ivoti. In Ise3 he jomand the [brnal Artillery
 simot time. He tomk part in the tion limmone war



 artioles fuinting out the danarer of redueding the
 turl the latont cansen motins, which minht harst fortla: at ary time. These w:anin! wore more that justiliod lis subsophont exents. In Wareh ls.g he was appmitad to the ehatere of ablitre in Lacknow, and did all that he eomili to renture contentment there. But the mutiny broke mat in Way, and Lawremer saw that it womb inevitably mend
 at lackome ami it was moine to his wontermal foreximht that it was madi fumable for at mere


 hatwrome himself wis injured lis the axplowion of
 watule from the rifiecte of the wombl. His death was at matat how lar the litthe ararisom, hat they

 refutation ats at batcoman amb soldier, Sir llemry bawremee is howw its a phibuthropist, and was the fommar of the Lawrener Dilitary Asyhms in tho lomjoh, liajpitana, and Malras. He aloved the most af his inemme to thess amb wher demerving institntioms. . Imarhos satur hats leen erectod to
his momory in st l＇and＇：（＇athealral．sun his．Lite


 l＇resintert of the liosel Seahomy，wan lame at

 in cravons at Dxpond，afterwards at liatlo．It tha ano of eightern herentered as astment of the linal Reakems，having a litte while previon－ly taken to

 was apmonted limmor the the kime in 1702 ，ami was knighten in 1shis：ams m linnjamin Wient＇s eleath in lsol he sucreeded him as l＇resiblent of the Rowal
 Litwrener Wit the fis ombite portrat patinter of lis
 price perlatas than were prat to any puevints jur－ trait－painter．Hi－talont was werrated durime his lifetine：lis work，in sitent the chersance and tante that often divtinghind it，sareely rines above the comsentional level．sew Lific aide tiomaponderee




 one wi the proferomo wi hatomb to the lioyal tollege of suratoms，and in $1 \times 29$ a lemturer on survery tost bisthommew：Hewroto impurtant

 olou！！（ $1 \times 19$ ），and I Treutise on the I＇veredel Fhis． excess of the Eife（INBl）．

Latwrencelbitrox a city of Imliana，on the Ohio，womile leche Cincimati．Pop．tiolt．

 Hhome．many of his gictures heing rejected by the Acalemy，till ハース，when his．Nimioter＇s diamen＂ amd a＂Pastoral＂at the（irosvenor mate him famosus The short wemminder of his bife wate a


Latwsolliat，surellıNs．
Latw－telttis．see llofiva．
Latwyer．in the linited kingum，is not a technteal term of haw，lat a paphlan man diven to thone who are either burctitionars of the law wo intimately commected with its alministration．In



 beimg nos sumilar sulnlivi inn of the pmotosion，and the experlioney of thr sulntisinisn has witent been


Latyttoll，the xon of Lemernath，called in the





 Litut drameterote ther vithe uf whill in mot so






 ant of ith externion of the drthmitn bomatho．

 patriotic pritet－in hi－awn work－it rame to hima
in mind the in his rhief thought that he wonht t．ell the noble deeds of the Eaglish．＂The vensibeation


 the Anglo－Siann chanmong of hanger into Fiarly


 transfurmeal intothe Enerlish of＇hancor and IV velif．
 of the two MSS．（1Bth century）of Latumonis lifut， thare ware lew than fifty womla derinol fomm the Normans；while in the ateomel（witlen abomt lesti）
 mone abled．＇There are thas hat minety words of French origin in the：wo texts，torether mare thatn ind．sthe lints．
The work wat edited，with a literal translation，notes， and a prammatical glassary，for the saciety of Antiouaries of Lomdun by Sir Freal．Malden（ $B$ vols．Lind．1sh7）．So

 truellor and diplomation，wats larn in Panis，Narela
 wen he was seat to Lomion to thaly lan．In ls：3！

 －truck with the ruins at Nimmai，panted ont hy trabition as the site of Ninewh（ 1.6. ），and felt an irresintible Itsire to examine the promatis．In 1 sto
 excavations at K゙hor＊ahal ；and Lataml，returning to the region，agatin directed him attention to Vimmal． It wis lsti，lufore he could olatam the reguinite means and facilitios for hinsearels，atul he then，with the leplpos some Arabo，leenon secetly to dir in the

 and permeverane were rewarled be the dimendry of
 The most remarkithle diseoveries weme mande in the North－vest lialace，smpered to have hern hait by Sardanaphetus．Tho walls had been lined with large shats of erymom or alithater，＂onemed with has
 Wrabe sent to England bu Lasad，logether with


 the elitef attratotion（sede lsorisis）Lavaral at finst comblacted his seateh at his own exprome：las

 timpple：ansl exentually，an the vilue of theas：







 He wets perenented with the turedhinn of the city uf



 in lsist tife loe wan lomber semeetary of state for



 smpathim dminy and aftor the wat with lamodat
 the：Vonier of the lioth．In lasi he pinhli－lied



 which is ver frepuratly employed by gatemer and bumerymen. It romsins in bendine and fat


 pame. The sparathen from the pawn plant is

 raturn of the say seratly promoto. the fomation of roots, and a moth is thenefore usablly made in the






 reqnizite for ofloor. Many phats which catmon


 man who recero anthority to mal the leams on a part of the rewire. 'fue memmbent ean permit any one to real the lexome, hat for antlonity ta




 mimions, to perm, of to reall the remoms of

 ther: in the direck "hareh they anditume the firs,
 that had to the prixthomt. (The ollioe was
 Iulian, afterwath the Apotate, was in his



 other functims anisued to thom. The apmint

 nut 10 Be: indatuml.




 Flialisatok to the merth ant ase from Port Itamil.






















wer wom anmally toded a dinf (ripo Lazzero), who was fomally recorniad ly the


 Le is mar of the chiof marlet- of the trade botween 'Tiket and Chinese Turkentan on the one hand and the I'minal in the other.

Lat. a tributary of the Thatmes, rives neta longhton lienis in bimborkhim, thows antheast
 Nes and Esex, and juins the Thames near Black wall, after ab comrer if 46 miles.

Lead is one of the metals which hase heen known from eaty times. It is methoned in olob, six. 24 , and atricles made of it ly the ameme



 alduro atul cathodral- whow, the lionata methore of making pipes irom shoo lead, whith ditters from the molem way, contimen in we till late in the

 as araty as the lathe extury. Of had compumats,

 metal of it binisl-white eolom, tembing to gras, and having alos a hoipht medallie lantre when





 wils. lame ean lue wetrhed with the nath, and



 matheable and in a hese werper dmetile, bot its.




 in this way mandetmed. It is wall to bear in mind that pines, wntars, and ristoms mate of hat are inmed by hot wate The 1 wo former ate





The A.tion of Lerat "pen Wiater is of great improtame luedme the melal is an mach amplowed
 whand exan in minate ghantition in dinkinc-water
 Gutuse when taken for some lenesh ot time inter the


 river or lake whirl in pach hatly foe from lime







 suphate ai lime, which ar comman salle in patahle




extract in andion presents the aetion of an other. wist pure water mpan lowl. Lint in the eatse ni even a soft and abmont prome water, like that mpplied to dilagow from lanth Katoine, the action is sa show that short ane iow pipes of hatal when eomstantly nand are latmblas.

 is ohtained clitull from salena or sulphate of leath.
 There are several oxilpo of lemh, two nit which, plombie oxite and real wate, ate of importater in the arts

 manditetmed. is whatum in the fom of a rellow powder by heating lead an dull rehbens. litharge is promberd when leat is osidised. as in the cupella-
 air. The medted litharge Hoss- from the entel intor
 line sealen oi a colome varyimy bom a pabe to at
 when aroumh it is tromat bull or levimated lithatwe. Enth masient and litharse phter inta the composition uf (exments (1\%.v.). Litharge is ustal in the falmication uf oil-varnishen to increane their fower of drying. in the bratration of leat planter, and for olazing varthemware. Rad Orod.
 ally fomb mative. Its mannfature is remorel to betow. There is anotlur kind of 1 eal leat, calleal
 Phmbie leroride (himonile al lead, purtoxide). Ploto. is obtainad lay trationg the red winle with
 colonr, i- n-ad mixmi with mbonar alomer with other
 mixtme of purminde with sulphor heing spontantously intlammatha when rabiced.
The mont infortant head -alts are the follows incr: Plomhire formomer (cantmmatw of latal. whitu
 now larorly minnd in the lonital states as ann ate of latal. Whate lami is mambantored en at latate scate lis the promen dereribal helow. IVmmitic Chlorider (chlerime of $l_{\text {toul }}$ ), lorlo. The minerals mathockite :mal monlipite :are hoth nxvehbmiles of
 a trasie charide of load is matre for une as a white





 and in equht patto of alcolnol. Liky lithatere it is
 an inpurtant sulatance in modirine. For the





















 -isely, moter or las pure or a-ntriatmi with other ures, in Great latitan, damany, Spain, and othor

 trict. Where the eonnties of ('umberland, butham, amd Xurthanberlatman ment. I fow other linulinh
 athe ried load. Phe total prabitity af wre now ammally raised in Cimat britain in abmut . 00.0104
 was formerly w-ual.
 letad, the Coboralos smeltingeworks alome, whistl
 as $\overline{-0,000}$ toms in the sear 1s in. The works ant minme of this state are ehielly at leatuille, where mach wf the ofte ohained is cemonite ur mative



 lead. The toral lead pronduce of the ['niterl states

sonte of the ratrer lead minerads, not abrady mentioned, are anglesite or sulphate of trad, lamakite, which is a basic sulphate. Jermandobite or phomhato-chlorinle of leas, amb bamanate. comsisting of the sulphintes of beat, copper, and antimonys. All gallenat is mare or lem argentif eroms.

Gabena whon tahon from the mine is broken up into small pieser or reduced to purder. amd the impurities, in as far its these can be ramowed
 Mersleflicis. If the iteoned ralena is nearly furn, as it often $i=$, the smelting opretation is simple. A charese of ore amounting to at lean 20 ewt. in first patially robeted or ablemed for athot twa lomers on the beel of aterembatory farnace, such as is fhown in lig. 1, which realtein one portion

lig. 1.-Secton of a leverbetatury 1 ant furnace:


















## LEAD

on melting stome of the process are shown by the following equations:


In the morthern lead dintive of tireat liritatin the calcined are is removerl fom the rewrheratory furnate and maelted with the aid of al hast of air on a


Wwingr to lead benist tomat extent volatile at at red leat, a emmiderable quantity of the motal wouhla if mot preventol, pana from the molting-fumacer into the athomplate ansmake or fatme atme catose at


 and lerthene on which the fame romberates is apt


 of thace whome combined lemgll anomont in some

 "rnange beiner left tocollert it. Combusine cham. lers ate aloo amol, in we form of whicla the leat fome i- precipitated be lecing fored throngh water.
 of longe thes, hut shactimen luth atre employed. Thes leal in of morse extracted from the eodlected famm. In the laam Nomatabs, and in some other leal-mining amb smelting dinticts lean is extracted fom complex westhat $i$ th say from arrentif



 spar. Four such ores what is ailled the precipitertione by iome or the ivon-treturtion proress in, in
 bednetion process derrilued alowe A certain proprotion of iron is athed to the charge of are
 larcans: the sulphide of had is rompletery redured When heated with motallie itsm, inee flis metal


Fog. Be. Viatical sections of the lalk lilast-furnace for multing lem:


 rerbetion of theore complev omo is, however, rathor at

 are ahtatimel as accemont moducts.

As an axample of a wator-jacketed blast furnace for lome smeltiner we erive in lis. 2 a vertieal seetion of the cupolarathune ont allend the libe furmace now in nse at Freiber, and whirla hat alsu been atopeted in the Unitedstates. It has eight tuyeres, and varise in size from 4 feot in internal diancter, atml 14 feest high from the lumath pilates, ny to 20 feet in lefight, with a proputional width itcross. In the Lnited states, howerer, the lathette or rectanghlar fum of blast farmater secmato be pre ferted, bevanse its eaparity rab he incrobed by lengthening it on plan without alas incroasing the heioht, as mast lut done if at cirobar fomate is mate larger in dianmer. The pressine of the hast in thene fimmano is from ! to l llo fur statare inch. The wre smoltal at la itilville, Coloralo, is, as alrealy staterl. latmely corns-ite or corlmate of lean, and thin is eanily redmend in a blant-furnace heroke or chamoal.
 mony, tin, zine, and othor motalis ats impurities. There are sebaratol hy fusimg the metal in shallow pans, when the formen metals fom oxides, inm as such are skimmed wil. lean redneed from pialena always rontains a litthe silver, of which so 10 oz. fo the tom of land in a wory ammon proportion, although it oiten exists in moh larger



Fig. B. - Wesilverishng l'ut:

he profitably extmaterl. The dexilveriximes pocess patratul hiv II. L. P'attinoon of Newciantle-om-
 iron prots almat if feet in diamoter (mex lig. 3)
 the smelting fumace is meltal in one of these and allowed to rool showly, ame at the same time it is brinkly stime I. I pertion of the le:d is thas mate to separate in smatl arvatals, which, ats pure leat solidilies at a higher temperature than when it is allosed with silver, leaver the duald fortion richer in silver. Suppose than the lead to berin with romtans 10 wh of silver to the tom : thon if twothimes of the charge of this put, whind is usmally the eentre one of sesoral, is transermed as erystals to amother fut it will montain only abont $\bar{\sigma}$ oz. nf silcor to the tom. The ome thirs romaining in the liguill state will eomatan $\frac{3}{}$ ow of silver to the ton. Witl! lath purtions this process is reprited
 "ther richer in silver aftar rach ervatallixation

 is nswally sorpled, althongh it is anotimes carried
 from than riel lead hy molomer it on a llat lome anh

 to the oxide, or hthorge of cammerere, leaving the
 in this way ammally mparatod from lizatish lead, the latter at the simet time being improved in fuitlity.

The lonan proceso for desiberising leall is that same in prineiple as Pattinsons. escept that stomat in nsen imstead of manual lahmur, the tasult being that there is a eonsiderable soving in the coms.

Another mothom of dexiluriving loat, known as l'arkex process, was patented in lsion. bis this methor the silver is separated ha mbline to the melteal leal from I to g ger cent. aí zine, which has a sreater athnity for silver than lead. "That zine earrving the silver with it forms, on emoling, ermet on the suriate. From these vasts the zine is after wards djstilled, leavinge silver miven with mome leal as a revidue. i monditation of louken mothom was patented in framere lis comburio in 1866. He lises superheated steman for the separa. tion of the zinc from the eront or semm, and for getting did af any foremon metals remaining in the desilverised lead. It is said that atery pure com


Rolled ont into sheeta, lead is largely nsed fol rooting homen and for waterenterms; and water pipes are now mate from it without somdering. aalready stated. It is alus of wreat rervice in the "onntrintion of lare chantervior the manfactne of $-u^{\prime}$, huric acil. Its value for the mannfucture of shot is well kmown. Alloyed with antimomy, de. it is laterly embumm for typernetal, and with tin for smbler. Inch lead is alor requirad for the
 Alloy:
 very extemively used an a white pisment. an a wendent, and fon juttery mazes. White lealdis sill largety mate hy the ohl lowteh provers. Netallie lewl is cont into the form of starn, gratinges, or thin perforatod slab, in such a way a to facilitate it. conversion into the carmonate. Theo pietes of lead placed in earthenware venel. like thowe?-1"ntcontaining a little weak acetio aciul, are mint ub in tiers in the form of atiach, and muronumbed with seent tan or horve-duns- The heat given out from the llous volatilises thes aciol. which aloner with the air changen the wriace of the lean into the basic acetate amm thin is. in tum, eomverted into the carbmate loy the carlmie ache wiven off form the hothenl. Netallic lead rempirea from font (1) eialit wesk for convorion into whine leat. dur. ing which a rejetition of dlewe reactions aroes 111 . In 1 ator a company was formed in Lomblon to worls Ii. Jatelvors proees., which emonth in acting upon wishle of lead (litharge) be a whtion of acetate of anmoniat, and then precipitatiner carhmate of leal fronn the -alation ly injectinge earlmate atobl. lis. thin fromon white leal i very fuickly mate. The



 it reathiron to la* male of very pura leat, in at


 in iron tray, in an ow on, cortfinlly amoliner fusien.
 bright-red compornmi is formed whinl is flat ral leal of cammerat. Trancre leal, mata from white Irat instanl ui fomm masicot, i- at werg jure kind oi $\mathrm{r}+\boldsymbol{d} \mid$ !-itu].
 manufacturn to ab mixture of the oxidpo of lead and antimms, which is to some extent haed to five as sellow eolohr to mathenwate atrd an at
 whith lewnil, dee are made, contains nos laml.

 brines on poraliar and distinctivos.onptoms. In tho

 -anlica pictonnme , in levonshire, and in the Wiont Indies. It wa- proved ly Sir (atorg hakre in 176
 in the frevalent abonbule drink of theos recrionswinc, cider, rum rempetively, wing to ita intro. duretion durner the proces oif mannianture. It in wetanomally mot with in consegmener of the action of water, ?enerally very wift water, an the lead pijes throngh which it passes (1) the comsumers.
 into contanet with lead connlonands. meh at mations of white lead, workers in the whas of puttorits, baintern. and jhmomes. Tho interinal ranal amd the maromestem are alfected: gont alan acems. seq W. I). I'rembergat's monotraph on leatl. fmisoming (1894).
(1) Latid or prainter colle in munh the mont enmamon famm of the divease. It eonsixts in mare or las severe attaek of pain in the alolomen (ree Colft ), not ditfering mueh exerept in their fier--istenty and frequent rembence from bains otherwise pirmineed, attember ly obstinate emstipation and fredmenty hy voniting. 'Thes may be su - light fur sone thne that ther do not interfore with the sulterers contiming hio work. Leadeolic is rarely fatal: lat may The on if the caluse of the athection i- not recomined.
(2) The commonest athection of the nervons syomem is faralyis of smme of the voluntary moncles: 1 -nally those dirst aml most affected are the extenorr and sulinator museles of the forearm, and the mancles of the hall of the thamb: and from the charaeterintie deformity than ari-ing the
 le dirst on alone atlected : lnt in ahmost all caves the maseles of the upper limbsere those where the diseave manifosts itself. It is not eretain whether the nerve-trunk or the centre- in the spinal cord are the primary seat of morbin ehame Atrophy of the brainculntance or of the "ptic nerves. opileptic attacks, and coma necasimatly occur at results of leat-piominge. All the nerrons dis. orlers are senerally pueceded hy lead-colic.
( 3 ) The awociation of enolt with lead-poisoning i- frequent : amd the fumer is artainly whmetimes pronheed by the latter. fint it is probable that

 HISESSES (HF) Hecum in sume casm ; lout whether it $i$ ever a prinary eflect of leat-poinonjoge and not due to imbuced somst, is not quite cortain.

Bascides the more obrions efleets of the poimon above deacribed, there are other uif orat import. anfe, ath the aid in the diservery of the eanse of the
 at dark line alonge the edges of the whme chore to the twet?, due to precipitatjon of leat in the form of
 - ndion, the compleximen is mallow anm the skin dry and harsh.

I'rernfion. 'Tlas most inguntant penint to br attomeded to in that thome expused to the eative of








 Where the water sulply is at fathlt latil pipes tumst le diactrdel, or matak mand be taken tor rember the watur hatre hofore it is admitted to the nibue.

 its remowal ran he othered hy the amministration of
iomide of putanom (see Jomine). Sulphettol hathis. formetly recommented, are af dombind erlieary Leat colle requites the fere administa tion of castor-oil or other phrsatiom: and lamd paralysis is often lemefited ly stimatam of the athected murdes ley elertridity:

Laddhills, it villave of Lamakshire, the hishmet


 bere for at hat sis handred spars, the ammal



Lataling Qumetion in a tembimat exprentom

 Thone if a witno. i- a-ked: © Wis lat dromen in a hatek "oat?" it is sumand the witurn will answer,
 tion is: • llow wa he lyemed! "n. 'What kind of coat? ※゙r。
 of Lake romity, thmo in a valley 10,200 feet alowe the wit, 80 mile ( 1.51 ly rail) sill of benver. Its minm probluce grld, silver, and lead (sene page 544). The town, which wis incorporated


Latif. Laters are latoral mrans deroloped fom

 hes their full dowemment they motain their form and size unchamed matil bleath. after whirlt they ane removed fom the stem ahther lay wadnal hetay
 distinct articulation (mont ilicotyledmas). I'lary nombally emsist of two main pats, at stalk in petiolf, and is bald or letmon, bar latter leing usmally thatened and expmoted. They may aho poseso hateral :lprembaves ar stipneles at the base of the purtiole. Phasiolowially com-idered, they are af the highent importanere as can hat he mondentom after examination of their minnte anatoms. The puthor resemhle a sten in struc-


 similar to that which thay paome in the stem.




frig. 1.-Tranverse Microscopic section of a leaf :







"fromis, which expman the mhatent ( 2 ) relluhar
 on the urper, aud paler beanse of hoser texture on the lower sithe while (3) the fihm-vasentar

 wose sotion phasel mader the microserome shows,
 "pidermi- it comtimumb laver of rompe erefls, with walls often com-iderahly thickimet, apecially on
 (2) the parenclyana, whinh contans the fibme
 ahb into two diof lasers. these is the so cathen - palizule parenclis mat." in which the colls are ehom.
 ponts of a palizals, and betow this lie the lome garemolymai of the midello and lawer surface of the leaf. in which the cells are whelyal and lonsply armaged, beaving irregular air-patwages. Finaliy we have the harre epbelemis, in which
 splaces in the faremich ma in comamity with the extemal atmoyher.

The essential functime of havere mates in their charophy-rontainime parenchama, in which, in
 with evalution of argon inter the atmonhere and

 nothinge to do with the Buetinn of fespuration (1.5.) oxidation of potaliasim with formation of
 life in all the ti-muse of plats ats well as of animals: it is a compensathy proces wherely the smen plant is cmalod to whir its respatary lomes of matter amb enory, and powide for its comtinued growth ly the dixing of new matter from

 in the finm of eramber, whid are visible in the
 into a sobluhe bats, probahy shames, and carried off
 asimilated to form new prondian, or to he reconvertal into stareh and sored for futurene.

Tha fundims of the lable of the laif are damen to some patent hy the petiole, hy the yran ard. hatar ravclope of the stem anil limaches (whid thu* mat mifrequatly come tor rane the leaces
 nishod ly (actuses and acaciac), and often by the cals and mario: in shot. Were pate of the

 the llower where, in charnt firame mure eon--pichon- colonring matero are bubired for the attraction of insent.

The fonm- of have ame meatly varien, offen ornimaly in alaptition to the hablit of the phant, lavge ain frepercowing phanta whid ohtain mo



 -math leatlets (r.f. formo an as to wion as many ar prexihle of the hrohers mbluan which hater mot



 their fositimand alotain the maximm of linht (res. water-lily and pabl-wem). lont if submerged aro nanaly disented intu difonm suments (water-
 Matructed, and dha-ronstantly renew tho shaties


portion of the axis are in diflerent ciremmstancos. their form is also varied, and we have the hetions phyllous comdition, whiel can be seen in many find-plants, but perhaps mase comeniently in the
 prosesses both floating leases which ares simphe, and -nhmoretal heares wheh are highly diseetm. Sn, ton, plants whinh erow in dy and simely sitnit. thons, and obtain seanty suphles of water, bither winer to dranghtor to ton jervions soil, var fres ghently store their water in their leaves, whioh thas berome sheculent, and presere it from the evaporative action of the smen the aill of a thiekened ejulemis eontaining umanally few stomiatal.

I yain, Irame may acpuire ontimy new functions, and have their fom altered in eompombence with these. Where the plant is a climber the whole or four of the leaf maty be manditiod into at temblil: where it is insertivorots it mat be ennerted into
 the very hirfly specialived Nopenther. wo maty hate the lease of the lead of ordinary fomm and function, the midne twining as a temikil, and the tip hol. lowed and talatroul intor a romplieated liteher.

lig. - -






Where protection is remined, new madilioations
 threatern the wistenee of the jelatht, the leaters ar



 at hatiry of alamblar epidermin in the sumot pros




 Hombumfather of luaf form with which lanamirat






 ro- fuetive lenerth atm poxition of the lamoritudinal


(at, and an on. Gmatmeraloln valations in detail arise, hameser, ictoraling to the shate anommed lis






 Woment tomt B: ",



 the insertion of the petinlo and its lolno maite, we

 abment, the leaf heromes sosile upum the ands: if its lobers ate probleed downmardo, as in the reni. fomm leaf, they elasp the anin and the leat is termed "mporavod : if the lobns coalpere an the other sile of the axis, it becomes purfoliote : anml
 the ulposites sile, the pair arresind to lere remuti.

In compmond leaver the leatlets maty anioe one from another on exell -ible of a median lober, as in the pelthe leat of liellelmas. We misy rablinte in fullumte fashion from a common mint-l he ord ol
 frepurnt. Hey max low pacell at intomale alomes the milnibs, like thes rilo of a feithor, when we






 developent.

 well illu-1 vatul bey the tivily of the devolopment


















 froms the sille of the als drond the lament athl
 thromerh the le:arm propre to tse hituta, and mon



## LEDCUE

mtuls, formine the inner that anveloge ar corollue,
 finally limel bunst hirfly motamonphomed in the


 lu* comveniontly sturlad in the mallow, thit from

 aprears to have sumpinted the whate theory), and that from leares ta dapels in many monatrons
 -ideration wi the pinnate type of fatfomation

 mbormaty to teat our theory hatetual ohervation of He hevelopment of thowe "Embryologe here fmr-

 ith precisely similar prueenes of cellnlar tioshe from


Fir. 4.


 develophent enther ( 1 ) hashtival, in ( $\because$ ) han pertal.
the sites of the ixxiv: : ind whon the forms of leates
 of thower stmeture beonme cear. Thass, the wher
 Ine comporal of the united migules of the mpatiots
 the st bahos wort bectate toshled into at whorl



 -pecialineal tothe attration of inserts: their rolit tion th the leaf tybe beoming base romble (ace


The arrangement of leace aborn the axis (torman


 line maty in all rasion lat traterel mant the atio









primats generatiner mirals; when wholed there arm three or mare. Tho mose in whels leaves are foblorl in the bund, terumel fitioliation ar mernetion in of interest, since $i t$ is definife for rach peries. see Vin 'lierhemins, Suchss, Vines's, :nd other text-books: also Lablinek: Plourers, lizuits, and Lofeces ("Nature serios).
 a very remarkable gemus of ofthopmoms instets,



Letaf-insect (Ihullilem sircifulitur).
Inolian rewinn. "Thu" ablonnen is llattoned ont, and "owored in the winglesen fomale ly it par of wing.
 The colour is areen, aml the sugesestion of mithil, and netted seins is marrellonsly mintetie. The login are also batened, grean, and leat-like. The matle bat fumetional winge, hit is aloo memarkially mimetil. As the insert live amomor leaves, mat are shasinh, their betablen resemblance to the sumbunlings eanmot lant be unefnlly potective
 refers to the fiect that when the inserots ilie the wren wolour ehange into that of a withered leat. Ser Minteris.

 antipnity. The liomathe entimated it ato eyuivalont

 liy the Formans, pirnhelby before ther hatthe of



 i... 3 geograthical miles, on $3 \cdot 456$ statute miles. 'l'he Firench ant other nations me the satme nathtical lorane, bat the former mation hat (natil the intro-



 or heile, ser \htal.

Latante. at term maphosed to denixnate a




 the 'Thirty Juar' War (9.v.) : alan the Sulemm
 tho Latud latigut. lint the natme hats at pernliar

 (I.,.) to the granting of tha frow exereise of their religion and politionl rights to the loghonots.
 figfut) was formel at lermane in lisg, in maintain the perlominamere of the loman ('atholie whigion: hat the objene of the dintes was rather to explate the frotentant princen of the
blaod irmm the sheersiont to the thromes．For an




 and，laviner in 1794 ultained it enmmission in the artilders，was sent out tive yours later to instruct
 missions in the lavantine mantrien，till in lest he retired a lientenmentonel from tha arms： in lasis he marniod the widnw of Maralom，tha orimatiast：and he dien at lirightem on tith ，lam－ mary 1stio．With crition！achtomes and soundess of jublyment le combined what learning amb an ahmirahle power of clear statemont，lliz princibal works are Rescorytn＇s in lireme（1s14）；The Thtw． graply of thens（ 1 s 21 ）：Tonmol of at Tour in Asin
 in Northren（rawe（1930）：（imerent the Ent of

 J．II．Marsilen（1－6it）．

Leamington，a divhomalle waterimplare of Wianiokshime，is beantingly sithaten on the lean， a tributary of the Arm， 2 biles NE．of Warwick． It is whilly of mondra ！embth，having hecmas important mans sine the redisencery of ite mineral waters in liat．They are saline，sulphurens，and chalymate；and the wateringeasm lasts from October till lay．The town，tom，stamis in the eenter of a gemel hanting comatry．Amone its


 （1s14），Tha new monicial atlives，imil the time ohe parish chath．The mantacture of cooking． ranges is an impurtan industry．Visited he the Dumess of kent and the brincess Viatoria in 1s30，Leamingtom risht betr＜later moriver the



 See fi．W．Smithis Lermmaton Ifotios（lsat）．

Leamder，se llom：

## Leap－year，Rom（＇undints．

 of Nomatrest wat hant at lalloway，lamotom，12th
 painime and from the are of diftow ha had to mahe his own living．Later he wa－－ont lex the band if
 lamlomas in Alhania，Athos，the Monst，and the




 his paintings．Of then the most improme were


 pramos of＂l＇em！


 at wher to the leat of all lemeli－h childrent． Ther extramplimary favility and folione of the rhymos，sum the high lexil of homome，wit，and





Leased the emtrat wabliwhine the witimen

 berome common in soutinul sher 1：312，and th thi－
 bent in argundere in sootand during the fat century．Fomy lame has its awn andianities an

 amb，as to the compensation for maxhaturatal


Leasemon is a depmbent tombe derived either
 shames for the enframberment of lemelobha （allowing peroms having bomp leases of smath furtinn of land a right to purthase the fie simplof
 Chorshrext
Ideasing－making．in sond law，means rell time words，which constituted an oldence pmishatha． with heath ing statutes of list and liss．Tha． pmolnment was afterwads mitigated to lime and imprismment，an lath，at the disertion of the comt．

## Leather consints of the kine of amimals rhemi

 cally mondifed ly tammar and wherwive，or an wh arrest that pumenes to heromposition which char－ acterises momenat skins，and to wise to the and plimes，with insolnhility and inalterability in water，Rome method of fatpating bins so at to make them weathe mont have ber known from
 of tamed leather mane in Eeyp not low that ？mot Sears sed．In monlem times the mothom and prin ciphes of leather－making have comb to be will undertoods ；lint the processes emphoyed in the mandarture have not hem serinoly mosilion ；the attempts made to hasten the rsentially shem jur cosses laving met with bat linital succest．There are three metloms he which leather is prepred tirat，and has far the most important，with tat
 tamman：sombl，ley tawims with almm，lichomath of potan，and ot iner mimeral salts：and thim，b


Therifin of all amimals ned for leather－makint

 ardinary whatin of commere，with in intertibum－ compand colled conin，insolulite in water，hat whitl in mommon with collasen mites with tamia

 The compomen are similarty atom on hy hichna mate of pman and oflor mimeral Galts in tan ins．

Tha skine of all amimali may be mata into loather：bat in baction the raw matemials of the






 rallad akins，of all leathor makine himes the num important are thase of oxp，which are pmimarils












imported in lare quantitios from singupre．
 hidon are hrourht in com－iderable quantition fom somath Jumerica，and the hamekers yamb at hame
 batil condition．Sheeproins．from the vat piatm－ titios bearly awalable in meatly all part－withe worlo，are a most important anture of bather． bendes mative sumplies the bitinh market chietly



 INatio thins are whon inmotrod alrealy tammed， and repuire wnly dreainm．I now important somere

 linhories．other skim－which hame only a local ur a limited mathat are the wablos，fhinomeros，atm －Pephant，from whith leatlare of erat thickness，

 impationt anmere of leather for sidnlormaking and


 aceasonally stent to the laminn mink et skin，of the shan ind sthas．So sombes of leather for fancy aticles the may le mentioned the alligator （at leather mow axtenmely imitated），and ratain nuthe＂amd Sumks＂nkins．


 the natme ame thicknes of the bibles and skim－

 are exocodingly momerms，hom wak lark is the mont important．and that which promer－the mont valn． able and－mbatantial af all leathors．（hak tambere
 praction is now io hatera the completion of the

 batk from I luis romothoms is the most impurtant




 devicen which later lewn sumbested，taminer is












 of hamm aml other malts，whirla sidul weight，lant



 is to＂lean ：ant sofern the hile．This is dome hy
 the hider maler sterke till the whente is mi－
 moveld of the motil hin is the next＂proation，
 －Hoperl in pit－comtanime lime water，while in


putrefitctive fementation is set 1 日．＇The hides are afterwaths stomelod way a tanmers heath，and the hair atm scari skin are removed hy shaving with a the abing－knife．It the sume thme the thesh shife is gene over，and any fracmento of tibre or fat ：ultering to it aro pared amay．Jll tranes of lime in the hilles mant be gat rid of，and that sometimes
 Weakin tamin，and sometimes ley＂bange＇in＇jure＇
which is a varm recoction of ingeons．or other fowls＇dang．＂The moturs uncmedi of atotal tan－ ning baries emblessly，hat in weneral it mas he said to donsiot in suspemilime or depositing in lavers the hiflem in at shecessive meries of pits comtaining tinn liguor or arae whill is weak at first，lut which as the tamines procoeds is made increasinerly ride in tamin．In the raty stages wi the taming the hides are freguently handed or tmoned wor in the tan－pits，as oftrus as two or thore times daty at finst：lant as the taminer frogremos this hamdlines Breompe less amd las firement，till in the fimal pits， in whielt stroner liguor is used，ant where，more－ wer，the hides ars interstratiliod with raw batrk， thay maty rest for six weeks withont hejng di－ tumbed．Whon timally taken fom the tan－pit the
 from the liont，afior whicl！theg are mapurded in the loft fus dreing in whirlt fomdition they form
 thath the hides they abr damped and moftemet in watry，admard to remos，the bloom from their surface，then liberally oiled ame the whole sur－ fare whrhed ower ley presome with at thees aded steel inglemont called a striking．gin．＇This opera－ tion remoses all ratases and shmoths ont and whldides the lather－an operation cariod further and fini－lsed after renewed oiling，ber mbling the

 is nuw gemprally sulstituted for dhe uld mathon of hamd labour．The dilliernt jortions of an ox hiole， athi wi all hilles in somes degree prosems distinet qualitiss which ronter them avalatho for seremal
 distinative nimber．：and frymently ：me －＂piarat ely Mrill in．An ＂htire hide is temmed a roys（ner lig．）： mbe－bale the वropent hmoi tuはjually formes at side＂： 1 月品 jiteres almand the 11tatexins are lomignatod as IIII the diat－ Iram，and rol－ lowtively form the afial：tha no e．k it $n$ I Gombleme are
 －umetimos de tanlad from the buth，which forms the hide minns
 hrowl．



 to dit thom for the diverser meen to whirh dressed latather is applied．Thee armiar late to dow with the gamime down of the thon site of the loather＇，to

 of at mathint into two or Hote useful layers of molis．His further atal principal oprations laty for their ohbeets the rembering of the leather suft， thexible amb waterpronf，amb wiving it the finished surface．errained or stomoth．Waxed en hathhothe plater or enamelled，dyed，dir．Fon stulline tho loather．Which is the innst matatial metration of the ＂urriar，it is tirst softemed in water，then the
 and while still wet it is liberally momen with a
 As the moistare erajmate from the leather the grease protrate athl thoronghly latmote that
 enrsting amb timi－hing leather elabugte mathomery is mow emphowis．which hat almost ratirely suber． sedml hand wirk．

Morocen leathry is at bom whirh now apples
 to tha sompe of that skin of which it in formet．It is a richly grainal amel lyed lowather．misimally amb promerly made from wat whas tanmed in smameln ：
 skins atre tha sumce of muth su－eallord momocer．
 termpd hasil－：Areseal amb lyes at formond bont fini－lenl smooth，they form roans：and split －heregrokin－（the thenh sile－of which wor tor low shanoyel to fom wash－lather）tanned aml dressem are known in akivers．liosia leather is now ang
 empremantio oil of bishobth，whimb sives the sulatamer its grentiar oubrs and insect－resisting ymalities．Witimally it was mathe in linsmia of （Iremend valf－hín

Teteimet tomanto in drewing skiln with artain mineral salt－，anl i－unfal frimipally for alwe leathers and the woralled hid．loathro whployed for
 that fariers shin are prepared．and libles anil skins in the hatir wempally promerom．Thas process of taminer a lamlankim may lue mken an a typieal example of thes promes．wilich，howerer．
 Sinc are fememally limet on the then vile with crean of lime to hetash the woml，whioh is remmed



 lonames．Whan remmeol linally from the lime－pit， the wins are worker with the hate，tor moler

 Watwr，in the prepnotion of two phumla of latan tor

 comsi－timer of water，alom，atal salt．Jitur the









 the－kinc are dram aml matmintal，atml，if nomenary，
 into pare watre and workoel or takin！lit pulline
 strothhiner or sufteniner iroh，aml amothen！with a

 the mon promisims of whioh witw the rhmone tan

 treatment with whish the leather is stableal with parathin：lat the esperctationa bif the promaterons this methom of toating hather hate not leten faltilled，tha dimatmd for chammetamad lemther aग＂＇ariner to havex ！nita fallaty away．

 fromi llat fout that the promere wim wiginall！ applied for ther preparation of tha stime ai that
 herer－skins the natme huck leatlar or lomekikin was alsa ：rivern ta the preparation．Shamos－leather non ronsist prinepeally of the thexh split a io therep
 into the interstiees of the skin and there leemone oxiliserl，formines a kime of eomblination with the


 batakime of the fertures of lenth taming and －hatumyines．
（ Wwing to the fart that tanmer deriw at lare
 －unces，：mand dinmo of mont of therir leather in the
 extont uf the wale hemblinhor retnrms．That the intematinnal movernento of the trate ate on at creat sable is，howermr．malle platin ly tha fullow．









 states in last ware ：hide amo shim（other than





 Jomill．lisit
 lmatiereeloth，wr mone briedly Amminat renth，is it textile falmin fortal on one face with certain mix． thres of a tlesille nature when bry so as tore
 （common eromme or hathime maployent，tmal this is

 （mpsistemes that the mivtare ean he umimmaty －preal min the elosth by bullers．Smother mothod of makinit leatherechoth i－los matime radien with


 whieh erlyartime is sommothmes abled．lint tha




 （t）writumetablom it in reven mone darahle tham memeron lratlar，amb it is mot onf lifth of it price I thiflai kind of lather－loth that that








Hee, a nativa of North America. It helongs to the natural order Themedeacea. The bark and vood are "xomedianly tongh, and in C'aninlat the hark is used for rojes, haskets, de. 'I'lute leates are lanembate oblomer ; the fowere are vellow, and aplayar befote the leaves.

Leathes. SraNLt: wias horn at Elhoboroursh,







 in 187t, and Warburtonian lecturer at Linedras:

 IJom, nuar limarasen! (lswi). Letathes was mathe 1).1). ley Edinhurgh in lsts, and sat on lave Olll
 Mnde The W'iturss of the Ghe Testement t", Phiat (Boylw Leectures), The Gospert its ouen IIFmess (Inaloman). Fislegion of the (Theist (Bamplom). stumlies in (icnesis (1580), The Fomentulimms ut
 several bohmes of remmoms. Hodied in Niy 1900 .

## Learen, spe Yeart. Bhead.

 and capital oi Leavanworth comoty, on the Mimomi
 settlocl in lsist, it is nosy a hand-nme town, of broal "wrumb, ami rontains a soblion" IJomes, the state normal showh, and liarer factorips and mills. Eisert lime of riblway eentme leve. and the river is
 is Fort Lavemworth ( $1 \times 27$ ), an inportant depot for trops and supplice, with lase baramek, dir.


## Leatres. Kew Leat.

Labalmon, a momatain-ramse in Syria, watmal ing from the latituln of IJoms in the montlo ( $31+3$ N.) to that of Momat llemon ( $33 \times 4^{\prime}$ N.) in the sonth. The worl Labamm is flerived from as sumitis ront matnime white: athe this name is tiver
 cosered with sumb (as ther ary aren in summert, but berounce of the whitish colome of thein
 ('retarex


 the rast. Fatwern them hise the (haty bathoy of the linkita (themement (alowtia), which is fom 4 to 6 milne winde and is watemed ly the rixom Litany and lid Asi (the andent Oronters). 'The former flows smoth-wotwanks, thon, tumbue abruptly to, the werot, rearhem the seat it littlo nurth of Trye: whint the latter thews in tho


 tha month in luoth ranine ben am higher in



 -lowper athl tombers 'lam wextern stopere of
 valleys, monines lootwora thospors that tha matin Whan sumbe down to the very mine of the sen, where thes often tommata in bold boidllamds. The vestern ologn of dotilahbimon ate mot so
 are more batren amd more broken hy atage and hame rocks. The vallegs amel the laser slopes of
the hills are renorally vordant with vecretation. Tha vime is extmobely fonn, and wine is matr, hot is all eonsmmal at home. Nolbery-trees tignre promimently: for the manfadure of silk is whe of the most important imhestries of the mome. taineers-it was introuncen) from ("hina in Jus. tinim"s time. Oliverombers and orchatas (mats ami ligs) atorum everywhore. The higher shopes afe in many districts coverat with forposts of ark, eyprems, pins. phane, de. Comtraly to the rurent leli+i, remains of the great centar forest of

 (sie ('Ebdis). Thickets of low rembly hashes, arememally thorny, amd often aromatio, ame fommat nearly all altithuse. Tobawor, wheat, hathey, and millet are the chief crops enltivated. Owins to the elpeated sinuation, thas elimate is healthy ame braning. Sitreams of clear water are mandrons. 'The

 who keng latipe heris of show' amd gots. 'The
 mure than tworthirls of the total ; next come the
 modans, mambers of the fireek Charela, Notanile
 of the American Protertant and the lioman "atholic
 of the Jmusts and Maronites in Vioto, the "district of Lathanon was sepramted (INit) from the 'larkish
 -

 byy I I. 太心-in.
 Whatioti. Jop. 14, , ss.

Lebrija (ance, Seluisse- Ienriat, alown of Sbin, ti miles by rail s. ly 11 . froms suille. foll. 12, Nit.
 bum in l'ais. 24th Fulntary lif!!. Ha wats patron-
 (1) lannu, where he was kimdly treated hy the
 returned to laric, aml was empliged hy louquet





 and artists, ant is unally ronsilomed the fommater of tha Fremeh whonl of jatuting. l'manin being

 XIV., and gisen an absolutely buar hand in the - limetion and manaremment of tho Amoration of the





 (Isso).






 lo mondia. wats tha friond of lat llape and
 time laties and expollomen of the day. Ibor tirst

lasting frimethap with the guten of Prance She
 members of the royal fanily, and in lose was admitten, an the propmition of , onepl Semet thongh atter much opposition an aronmo of her sex-a member of the Ranal Academy of laminer. she bedane nure than eren the fathom, hat heft Paris for laly at the outhreak of the liemotion in 17a, and after a perife of trimphat progen
 prineipal arademies of pantins, incholing that of st proteromes. she arriwed in lambon in lang. There she painted purtrate wi the Prince ai Wates.
 returned tol'aris, whare she lived matil her death (30th Warch 140), and where her selon was ever the resont of artiots, amatmar, and pople oif fashion. Uf mandemishal pharactore of great iolustry and of immand elarm luth of manner

 is corrent, her imagimation moletate. her colouring delicate, pracemb, and phating. Her delightul portait of hooplt. git amb smiling, now in tha Tilizi gallens at Plompho. i- well known. Many of her leat work-an in the Lanve callery in Paris.

 in England and switarland.
 a town of somern hath, 7 milos fom the Alliatic
 Lecee) it wian the arat of a comataip in Norman times. Ihwe tohater, cottom, woblens, and linen are manufaturel, and there is a large trade in wive-oil and wine. Leces haw a rathedral and numerone churelee, une or Xichowas dating from the 12 h centurs. lop ogor.

Lech. at richthand tribntary ui the bamber. rises in the Aps in Vorarlhers, thowe northwat
 joins the bamber atew mile eat of bomandith.
 Rain, wot far fom it menth. Hhe imprabist


 bornat klonter lipirhmench in Wirtemberg, Inth



 rend Pont-upentotie Tomex (1-il ; 3al end. 1-n.j) was





 histarian and phifonqher, wan horn war Mohlin,


 anneymon-l: The levalors of toblar Opinion ... Ir mind, four hilliant exay: on hwift, liloma, Giattan, and wommell. Lat+r worha wore hit




 rols. for 90). The last is not a hiseny in striet


 ablent and mont original portion of the work is the

the pases on lwand ane was valnable. A wann of poems (lsan) havily ramed hiv repmation.
 tone. Leeky, who thromghomt has Ilome landan trovery way a decided I nimint, wan electod II I:


Lectaire formedtax, was hon at bisom



 himself to a hmsequater. Ite jrowed a capath and indutrions workman, and in lix twenty -sisth

 manemes and tork the fromt ramk in the trade. Widesire to hernefit hia workmon and do away with the exicting antaronism lutwen emphor ant
 allow the workmon to partipate in the prefits on the mater. besides, he compelled perphis to he homet by iswing patulate expming the trible on tho painting tralde her mens of whinh hat and veruped work was pawed of for groml. De alow discovered is methon of ntiliving white of zinc insteal of white of lead. much to the lumetit of the workmens: health. Ilis -atem of laftithatiny (q. r.), which when most shepenfally, wat hegum


Le Cleve, Jams, hetter kmown ab domanafs Clewices, a liminath theologian of soman hat free
 mate hiv stanies there in flitondyy and theology, next repaimed to (iremble, sammer, l'aris, and London, wahlually adnited the Remmetrant theo logy and hrame in loist proferar of lhilomplos in the limmontrant seminiry at Ametentim. In
 he died on sth Janmary 1736. His woth were wer seventy in mumher, many of a polemical character. In hi- contracory with kichard simon he revealed minions whid were starting thon, bowerer imocent now, on the commsitime and Dinaic authonshiy of the bentatench, and on ingiration matraty, and macially as andial to

 1693. and ware not completed till lati. Another important antilation to its suligent was his ontion of the Aurnolie Fathers of (interin(1604). Son lens valmalde wre his serial puhlica-


 ( 29 wols. 1714 26)

## 


 trained at the Comberathire. from hio dist ane






 aiter some yeam of tabel arthed an a literars


 a more lanting portir implate in cirack jhata






 her collectend is Preseis (ompletes (lsis). (Ither






 which—the viran formot, the jumbersas seat the
 of. like the gromadflan an whiols his jurtic flamatsios atro huilt. Ha staml alouf from, vet comprobernd. the hot emontoms that perples the lopat wit mans and sarvers the drama of the ages not with the exe of a lliehetet or a llagn.
 porm intelleret. 11 i vernitioation is marked has
 firm.
Sue the admirable essays by laml bomret in Nourfater
 in the first serses of $L$ es cimetmpontias.
 near ! hatome orth Apil tote, nate her delout at

 athe the nomber amb entimene of hor abmiters. anmmot whom were Mamhal sace. Valtane and

 the burluen limillom. This i- the phot if the play
 bembant, and uthor hawe wom diatimetion. see her Lethos. mited hy Momat (1-!2).
 reatingremen or stand. proproly movilile. froma whish the seripture laweres (loctiones), whicls firmer prition of thas sarions elantalarvier. are whantwl wrembl. Ther' heptern is of very
 frman amil al alillerent materiate. The mont almont lectorms are of womel, a lecantifal ex. allule uf whith is that uf Kamsay Charely. Hontinglomilaire (iolmont 15.50). repremental in the wombent: lint thes weme fropurntly alla matl, of bras, atul witern in the form of ath ragle (the symble of st - lobar the Divanomeli-t). 1 lat ontrincal wine uf whill fom the frame

 in lowe pioty taliem the flame of ith cianto.

## 

Lecelaros. Jt mont britioh buivorsitios,










the Congregatimal linom lectures, instituted in 1873 in eontinuation of the formor Comereational leetnes: and the 1 lihbert (in conpmative religion), at Uxforl and Lambor. 'The bhmellan loetmres are
 Fectures, at Eilimbirfh. 'The' Fernley lectarers forlow the place of meeting of the Werbesan Methodist Conference. Couras ai dilloml lectimes on nataral reliorion ante delivered at all the Soboln mivesities, while the liment lectares-harily now to be

 wo the liende leature and the ('lats lectares in English literaturn: at blinhorert, the lhimal in
 visited by the 1 monle lecturers on fhrinhory, and lurpratetic Enitamians of the N"(niker funndatime Distinet from thene are such professathips for it fixed perion as those of pertry and art at O ford: the embowed rewler-hijes as in ancient history and the like, at the minersities; the coumen of leotures givern at the lioyal lnatitution or the Edinharah Ihblamphical linatitntion; or Pmboments fur succial phryses, as the llarvery (rommian, anl Vlumian mations. The Lowèl lnstitutrat limotom pomines ammal comres of free pmilic leatmres on relinion, weinere, and the arts. amb siner its fommiation (lsias for) has fommi
 is American lecturems. See meparato atticlen on the mame important of the almace lectomas.


 womely "ilumbe. witl it mumher of ectls, which in
 with a lial. All the known prebies, almut forty, we matice of the hotemet prots of Sonth Americta.
 wores of trees of this ardex. The Camom-ball l'ree (y.v.) linlomes tu it.

Ledal in errek Ilythorest, the wifo of the partan liner Tyulamens, whan dopiter visited in the dinguise of a swing. The mommomest lpgend makes low the mothor of both ('intor inm] l'illas
 for mathy works of art.

Ladhaily, a pltasant, alilianhimma market town of lherefordshire, $1: 3$ miles balis. of llareford.

 momilt lsez) and a clock-tumer (1s!0) to the
 (16.7]) 4264: (15!1]) 4303.


 aratar (Victer llasa), was lumb in the lomse of


 like viows duriom the brigu af lanis-lhilipper, atrl sulsequently whamed a prat reputation! as a ilemorratic weitator and lemfor of the workingr
 La Maus, imb mat of ambe win the exterme laft. Visitiner lrebaml at the hoight of wommellis agitation for relnal of the lonim, her was present
 at "para wis haileal as a delasate from France.

 thas only panace: far the miantion of the working

 Wh the suthrak of the reschution lue beeane a

of the loterior, and in May was mected one of the five in whose hamb the" (omstuent Anembly paced the interitu govermment. Bint he oblimbed his-nulnoter- his colleaguen and the monderates ly


 Napolem in Decombar. lant was ismonimionaly heatom. Sn unsucematil attemy tio prowhe an

 and his inthenere. Ho thed th Finsand. where he
 to control fom one centre the dennerat andations

 manife-tose of the resblutionary ommitter along with Komath. Mazini, and linga. lint in lea than a vear he pmbinched a panimate invective arainst the land whicls hat given lim an asym,
 wenty year he liven altemately in Sombon and
 return to France he wa- elected th the A-smbly
 becember 1sit. at Fomtemay. Ilis Mist, mes

Leduc. See Vmblat-mam.

 shoule, with comparambly later howers of which
 The smopen are nation of Eurn" :nnd North Therina; - me of them ate common to loth. The leaves of $L$. Letifoliom are said toloe ured in Lath-
 ealled Labmbor Tion. Sir John Franklin and his party. in the aretio exumbition of waty wed in the cime way the Letmon melustre, which proshuced a beverage with is smell rewebling rhablarls, yet they found it refrechins. 'lhe beaven of hoth thene -houbs pone-a namentio jumertion and rember heer healy. They are seqarlal an mefin in agues. lysentery, and hiarloma.

 painter, wan hom at bimmtaph, fowonshire, in
 bat theing ohliged hy ill-hath to quit it lue turned

 He wats elected an A.J. 1 . in 1 abl and li.A. in
 thoremehly natimal painters of his day, the riwe scenery, parks, leafy lanes, amp pietmeathe village of hiv native conmery foming the fanmorn
 th bune 14: 4.

 ( Where her wan aho for at than a lwathailion


 ruption, to the vateatel darare of ind timestrats.





 restored whe realing of frayer an woll an tho


 tion-' lorought down mpon him littor and harawing


Cireviliar care waw still buding hefore the
 fell from his homis in lrinces siteet, struck with paratyon. Ihe died at Tompay: Ifth Mareh lege.

 The fitmely und its Inters (1via). and The fichorm of the churth (1sit). See Jafe lig li. H. Stury (? vils $15: 0)$.



 of the Lare family in Virginia cumany. received later matits of land hated hetween the Pommar and hapahanock rivers, known an ha Northem Nock, ambl here he built the ompinal Strationd llonse. Whid was lmmed some vean after. In the later edifer, arected hy hiv gath an. Thoma- hum of strationd. wage lan the
 (4). mowe of the reolation in favom of American Independrone ami a sieme of the lheclatation: Francis lishtfont lae ( $1734-97$ ) a simer of the Hechatation: and Willian ( $1: 3,-95$ ) amd Arther

 the som of General Henry Leat at romin of the breceding. At the age of elenn he lowt his father. and at eightern lee entered the Military Academy at What lome. He grabluated secmal in hi- clans in l-29. and remicel a -romblimumant's rommindon in the engineer, ln 1s:32 he marrind Mary Cuxtix. danghtor of (ieorge Wa-hingtom Parke thatia, adopted son of George Wathington, and graminon of his wite hy her lirst marrias. He lecame tirst lientenamt in lsab, and captain in 1ash. At the lugriming of the Mexima war in 1846 he was appanted a hief-engineer wi the central
 him lishly in ollicial report- for hiv services at the sene of Vera lioz. It the stoming of Chaphtepar he was severoly womble and for meritorioms servies weeived his that hevod
 in connmand of the lontes state Mititars Acalemy, and in the there sate of hiv aminis. tration pratly impmen it- elliciems as a training schow for wheref flic mest arwiog

 1ais. the dime of the .lwh Brown rail. lae Wan
 th Harpri: Fery to rapture the invergents. Colonel Lay wis in rimmanal of the dopathont of Texal in Inio. lint wan matled th Wa-himetm

 manineat. When La." racheol the "apital in



 for that him murome pertital allowine was dhe th hin state rather tham to the (niom, foll win
 which hee did win the euth of April. Thu hituer
 hiols some of daty is alown in the wort of liiwife, wittern th al filund at the tima. 'Al han-


 momerd for indermane. Within twodis afor

 n:tal foreq of Virsinia.

 His purpose to draw his sword only in defemon of his native state was monditiod by its jobinine the sonthern ('onfoderacer, and the elanorn of the




 artive commatml, lat remained at lithomond 10 superintern the hefencon of the eity till the antmons.
 Wont Virerinia. In thominer of 1 sti2 he was sent
 Somth ramliata: lat when bedellanis on to



 auml laro wit fut in tommand of the atmy aromma lidehmoml. 'The mastorly stratery dieplayal ley
 famons seven divs lattlos aromme liolmome de-
 paism, and helaner matate to the hintury of the war than to promomal biograplyy. The same mas he

 lomsylvain, and other pominent exents of the

 result in the limal sumene of the fommer. $1 t$ wits mo nows to lee for be tald of the hopelasones of further rexistame " he (femeral diration his note of April 7 , Istio, amb the eommon decive of luth come

 dered his army of abmet $\theta^{-}$, , whe men to (iencral



 mmelt to hiv liontoriante in mattors of impotamme





 of the war ho frambly anecopted the result, and
 ton on the fotomate, ame the White llaman ant the
 aid, abi : werpond the presiderner of W":shimstan











 rower, hat wrow waker till his dotath, Weloher lo,














 was the thirul som.
 Howib of latis, ereated mainly ly the womben of the Sontla, was mwiled in Richmome, Virginia, in
 an elalorate mommorital prilental, is bil feet ?




LaC. Samel, an Englinh oriontalist, was born.

 profemon of trathor and in $1 \times 31$ rexius professor of llelnew, and died reretor of limber, in Horiford





 of the Theryhmain of Eisoblins (154:3). Ne also




 ment, the striar Sing Pestament or leshito, the







 friend thromblont life, whe at showl wan hemmad




 artistic skill fomm? exeraine in that probnotion of




 1stl. We find his lirst emotribution tu the jommal with whicla hiv name is most romely arow iated, atul with whith ha was rommended till the time of his death. 'Tlae eatom, which las desirmed for









 wery phane of tha mandabed limelish life of the lometimetiold. ther erivilue thar hathoom, the drawinerumb, amb the monery, "ho has turned
 not : little of the hivtor of his timo and it follow wertehal with inimitahe eraces. Sarions

 frome the cidloction of .Mi l'an'l: aml in 1862 it collowtion of thom, enlariend ley at merhanical


towether int he Exybtian Wall, Lomblon, and tormed all excetotionally fopular exhilition. lathe inter
 onter journals and fulbleations, ineladins wombent








 -averal lithostaphed nerien, of which frotocets af Phe (blhilit" uf the Mobeloter (lati) is the monst
 (1) suller fom incesoant ovapmontuetion, le fell into at state of herbonv imitatility and prowta.





## 





 lanly i- "stencile and rimed, hat the superdiciad
 alparndatow are prewnt, lint there is al fosterion attinching sucker, anm the mouth is gowerfully -actomial: the lunly onvity in almont whliterated
 animal- are barmaphroblite.
 formerly much bed in hlond-hattime late a

 sile, amd with six rom - of redlinh amb rellowish -rots aloner the hatck. The shin is simy ann
 dieial skinging. With senateront an wery fifth,



Th: Medhenal Levech ( Mumen, menternulto).

 -wims with gravefal umblations. The memth ent
 tw nim*! mimute torth of lime amd ehitime bly the




 latiny and after at heary meal the bewn atar bat



becelin own lanowl. it is worth notine that it is coloured rad with hamothling. Letehe date at home in slow streathe athl in mathsham sumblimes venturing ashat in seaw of vielims higher than

 athout Jume in the moint wronm lon tha side of the:
 seretod from the =kin. 'Tlee grom th of tha soung Joreh is slow, may eontimme in fart for four it hat


 Whate the mendical war of lecedoes. Whath is of



 and the phimitive enotom of wadin: in the water
 by collentors. It is calcolatend that thirty millions
 in Framee amd Emmbuml. hat bow ulits they bowe

 When hept hy amothecatien they whelst 10 bee allowed frem plat in a clased alara aphatimm with
 at darli varel.


 indieatenl, particularly in whilhen: but momb more
 intlammations. la the diverace of infant and


 Jried hy ablonge then in at ean limen cloth,


 wisled io athe at letell on the inside of the nometh,




 mat lie inluce it to dor so sprimkiner thent with combman att : thes monat bever lie piulled atway.
 61 dratwing faty he estimated on ath atreatar at


 which in rombily elome loy the atplication of wam

 wh longer than in ilesiratate the alpliation wi the



 hite swuld le torchad with it stioh of bitatte of










 whore. It is athont it inelate in leberts, forels



## LEEDS

 than paranitic. Among the nomeroms lamdereches Whidh attack borses, battle, atml men, ome withe
 eally neseribed by Sir dames S Tement. It is

 silmpalle rapiolity, and makex itsolf mont illonome losth 10 man and least. So abmulant :ate lamd leeches in smme wam ant mand parts of the least


Horme Latechl.
that -ahliers and workmen are smmetimes fatally weakemed by the minnte but peraistent blomi letting. Ill thas ahose amd some other gemem,

 with thre tomth-phates, bat without a probarecis. In another set, lilynooblellilar, the forepart of
 are jmintal mans interesting femme: the little frem-witer Clepsibre sometimes fomme with the
 marint Pomtoblella. Which fastems on rays ; Pinia cola m fresh-water linhes, wath ats perelt and raty ; and Branchellion, with momeron- latemal leathets of sin. T'le lagest lareh kisw is the someth

 to measme two feed antia a halif.

See 1. U. Whitman in Qumert. Iowh Mior. Sio for 1sisf; Moquin Tandon, Momentomber de Fomille des
 Leeches (Winhingtun, länio).
 Enoland in point of juphlation, i- a parlitmentary
 members th thas llonar of (ommons. liy atal it


 valley of tha lire, imm is the suat of intmortant




 exomerls in rexbent llat of athy other pate of









 motive (luth for ratil :ttul tramwat ), atoricultural








lhere are thints fom elmophe in laml- vind




s6 winle: the towner is 133 f feet high, and eomtains a peal of thartem bells. 'The ehureh also contains some line mommments, one of which was prected in memory uf thone matives of lembs who fell in the ('rimuta. 'The mant interestine chareh in the town is st dohn's, New lrigeate, comsecrated ly Arehbinhoy Neile in lais4, an al. mont mingue example of at 'amblime chareh, and still retaminer the migimal littinss. 'Ther
 erectim. The town hall, completed in isise, is

 Ther great hall is libl feet lomg, io feet winle.
 comtatiss one of the lanes and most jowerfal
 baines aml hobert llall, fombely members for the loromgh. 'There tre : that embsal statues of Guern Virtorit and the lorince ('mant in the fatilnge, ame of Wellingtom in the front of the hailding. fintigumas of the town-hatl are the mumicipal hoilimis (amprising, besides the various rarpurate officem, readingrom. free libtars,
 the whole forming iso latulantur amb onlontantial howhe of buthliner

 amb eontains iweommandition for smb in patients.














 Chatitable institutions may be mentioned the











 olil eolomed motl hatl was pullal down in lsse.






 (1)











use of the pmblit. Shel chureh, atmut i milon from Lembs. wise erected 1141 . Near it have heen fommi whatins of a limman xation. Dop. (Lsil)

 the masye is aty lad Lam Mayor.
 who was vienr of lemels: P'ientles, thenderian and Chemist : Cope and liboles, the ations: the 'lowhes,

 sons, amb uther prominent fanilies, whichlave heren chomely identinem with the intantent of the town, athl whose membar have been moted for thein pmbliespint and phianthops. Amomg the looks

 (1715): Baines" Mistmio shetoh of Lechs (1s르) : and lackson: fillide to Lecels (livid).

 man, wan the sun of a lorksige laronet, and wat born in 1633. Ile entered parliamernt for York in le6l as it warm sulperter of the king and of the E E thllisomed flumeh. Ne tirst hello otlice in lebja as an aurlitor of the Preasmer : after that his promotion was rapil: in 16,1 he was appuinted
 and bazon lbaloy, and in lbit Lord lligh 'Treas-
 enforee the litw instinnt homan ('atholios and Jinnonters: and, thomgherlisliked fremoly ageres--ion, amb no far favomed the Lontel party that he ehfectively ased his inthence to get frinctso Nary marriend to William of Uranse in 16:5, h. lent binmelf to the the agent of "harlex, and mo ha behalf nerotiated with hanin X X for loribes to tho


 whieh were treating tratomas] with foretign powers without the eronarnt of commeil, aminge at the in. trobluction of arhitras lower, and smanolerinor publie mones. lla wis not homerlat to trand, lint kepe in the Tower matil 1653 , althomely (hates שave him at mone a finll pardon. 'This the Come
 tim, still pernintel in the imperbhment. Janloy in chietly remembered in hintory for the part he Blayed at the revolution of lisis. When itames
 returned to antive pulitionl lifo. H1. jorned the
 for ham. Sli- reward was a rios in rank from tand to maryni ( of (ammarthom) ami thamendency of the coumeil, vistadly the ehaef plame in the severn-
















 himmial flatat, lalined mow loy mans of the lust



 is fiven to its enltivation. 'Tlue mome liberal the






 the most alproved kinds are gatwn fur seed-atring. seeds wrown there ham at fectal eommorial


 Wales, is erelited with laving alvined the forions, on the eve of a hattle with thes sixans, on weat leeks in their eaps, so ats easily ta distimeniol friemeds from foes, and thas fo have helpad to

 seee 大hakeverau" = Kem!! J'.

Ladk. a manufacthring am! market town of

 charch, datiner from llsto, hat mainly Deromated in
 alon a ©rammar-chool ( 1 -as), a cothage-hompital

 manufactures sewing and embondery silhs, and in the ehief Endish centre for dreins silk (sen SHL) .





Leer. a commercial town and jont on the Leda near where it raters the Ens, in tho lom-ian pro-
 $1^{\prime}$ (1) 10.399.

Leet. 'lheremit leet, in Phorland, was a const कf a manor, township, de. forr expetion of mertain others and trial of minor othences. The impuntance of these eromts $i s$ now vory mall, but there ate manors, de. where they are rembarly lath.

Léelwarden. capital of the louteh provinee of Friowland, stanis on the llarlingen and ligniment
 -omatins hambonte haw-obutc and town-hall, hat an ancient pratere of the l'rimeen of hramers, a library with valuahla armives. amd it ilozern -hurehes, linem fabries, mimors, piomofortes, amil wanons tre manufatored. letemarmen is omo





 (1sin).








 lirst to motien drdinituly what are mow callet mot.
 erroneoms intergmotation, the divemery of mala






logital facts in regad to insect. Much of hin time and attention wat given to a fomester of invertiga-
 he war a decided aponent. In the course of thene stulies her acertained and prowi, atomest oblow walt, that oak gatse are phatily canal by the
 that weevila atre hatehed, not from wheat, bat from an insert: cese depostod in wheat: that the the is propagatea in a similar maner to wher inseetHot origimated from diax. (ot samd, or the dung of pigetme, an was commonly believed: that Aphider
 from dew, are likewise wiburon-: and that mawels are not generated from mat or samel, hut from-pawn. He alon exteniod his inguirion to the
 Fint in the strand of thestem of monnotyledon: and hivotyminns. The ereater part of hio dis-

 of the loyal sindety and lalers (obi) printer in the
 which bosites leenwenhorls was a member. The mont complete collection of his $1 t^{\circ}$ orks appeared at Leyden in 4 vol. in 1719 ge. A selectinn of these Was trandated into Enghish bes. Smble ( 2 who. Lamb. 1:9s 1 sin) Sie the Life in butch ly Hatxman (beyden, 1575 ).
Lacolwill. fabe, the mathewe comer of Anstralia, motahle on acemont af the temperthoms weather n-mally encomated there.
 lvines.
 and Natshal of Frathee, wan lam at linflich, in
 at the ab. of eighteen, and was at sergent in the F'rench Cinarls whon the lievolution lroke wht. He was engared for some time on the Moretle and Ghine, fomght at Foms, Atenkirchen, and Storkach, and rowe in ramk with womlerful rapistity. In 1:99 he tow pate with lionaparte in the overthow of the Diree (ons: and in lsot was mate a Mirhal of the Empire. He aloo comblueted the siege of Danzir, and affer it- captare was ereated Donk
 part of The Peninsular war, and suppment the
 campaign he hat the command of the lmperial cinard, and in latt of the left wing of the atmy whele mested the absuce of the allien in Frame Submiting to the bombons after Napolem's athiration, le was mado a pere, at dignity restomed to him in 1st9, thongh he had sided with his uld mater during the lhmbed bity He died in


Lefleosial. Sire Nurosis.
 the Grrat, was horn at lieneva in 1603 , lump desecmeded from :a fanily of seotli-h extraction Which hat withed in l'indmont, ifferwards (150is) in suitamband. He: served for at time with the

 madm hima a commander of the new tropmained t. Commteract the inthonere of the 'strelitass' in ohd militiat. Hawing tahern a kealing bat in has intripues whiph mathe beter mole ruler ather the death of lis brother l wan, ledert was alvaneed to (1) Se lirat favomite of the char, :und next to him the mont important pranhage in linsiat. I man
 projects of refoner, ramelelled the arme and laid the fommbation of the natry, and in last was mate admiral :and wheralianio. When. leter under-

was mate chaf of the embatory in the tain of which the czat travelled ineognito. He died 10th Harch 1699. Ser liven (in (ieman) ly Posselt ( $1 \times 66$ ) and Dhlum ( 1866 ).

Lefthanded. Sim hime montomess;

Leg, the lower limh, in, in the nation of amatomine, that burt of the lower "xtremits which lies Dutween the knee and the amhle. It consists of two bones, the Thibia and Fimba (sen shemerox, Foors), and of mases of mache (tonedher with nerves and vescels) which are held in ponition by coverines of farcia, amb are emveloped in the wemeral integment. The shait of the tibia in of a thambar prisund form, and premot thoe shatace ind three lumbers. The intermal surfere is shooth, convex, and bronter ahove than below; expot at its nyer thim, it hen divectly muler the shin, mal may be readily traced by the hamd. The momal amd the poterim suface are cosered bymona- mastles. The musenlar mans forming the ralf (formed by
 periliar to man, and is diredy comoreded with hia erect attitmbe anil ha manary mote of pro Eresion. The anterion bunder of the tibit, the most prominent of the there is pmplaty linown at the shin, atm may be tramed homa to the immer
 the mater anface of the tibist, and artionlates with it uly
 of the mancles of this remim.
This region is nominhed ly the anterime and fos. terim tibial arteries into which the polphital atery diviles. both then arteries wethinally reguire to be tied by the surgeon in citee of womis or anemism. Thle blood is returned tomath the heart be two set- of veins-the doph, whith atempany
 as the intwmat or lomer sablemons, wat the extemal
 are very liable to lecome permanemtly aliatab or saricose (sce Vabrose Vhas), if thare is any imperliment to the free transmimion of the Homi, or aven from the mere weight of the anembing
 ranires contimuons standins. The herves of the len, both ardsory imel motm, are dorived from the
 Ghe intermal popliteal and the external purliteal or promalal nerte.

In cases of fracture or brthin liy the two bones :un more fregucntly broken together than singly, and the most common sithation is at the hower thind. What is homen an lowt fracture consist of fracture threment the lowor thind of the tibula, with fracture of the projenting lows and of the tibial.
 of viricose veins, and the wers rondition which ramee the veins to dilate (omatimums atimbing) is ath elferath preventative of the healing brocess, to
 as to amixt the return of the home, is meswary.

Bindy, or bow, ley is a condition which may aphar at the malt of manalal contration luefon
 the natural envero the tilia is mondy exarorerated.
 lime malts), in which the child has the hathit of sitting tailor-wise, and than hendinge the tibiat forwathand ombank in it loner third. Some. (intes one leye is hamly and the other in kneed.
 or more aluath carraing the chith uph the same amo and using the wher :um to rliop the ehild's lege icerss the front of her baly. See form, Kiver,
 aloo Amptatios, Ahtificide Limbe.

Lexatey is a leiguest or gift of peramal properts beill. In Englant it io provited by the Will Alot of $1 \times 3$ that if a legacy is cism the wit. nese of a will, or to his or her wife or homami, the lequey is wid: aher hergmot- to sumetitionthes are volat, ax. for example, to mantan a frient, or an amiseratry or ohat. or at lamp is a church, or to sat masese for the tentatores som or (o) dimblate pamplets inendeatine the pars suprematy. Legacies of money for charitalle
 are valit, hat if the money is ifirected to be laid ont in the furchate of hand for such gurpones the
 (athented and comsolitated ly the Xortmain and
 stitutinns and charities are exemped from the Onatalion of then act-

 mans a lequey of a dethite thing. as a partionar lume phicture silver-phate, Ne. or a amo of stock in the fimbs. A gramel legacy mean- a - on of moner, without it being -tated ont of what fand it in to conne and it is pavable out of the araet:nnerally: The importat ilference betwem theme
 matter of the - peritic legatey iail. an if the hore die or lue previm- whl. Se. (atemptim). the leques in gone abol no compenation is given for it after parment of the tatam - alebt. Lint leracins given
 while, on the wher haml. it there is mot enough to pay all the gemeral brampe then they must abate-i.r. hare the lon-whereas the specilie legrey, ii it exist, mut atill he paill in full. A demonstrotion in amething like a general lexacy, but a partionar fund i- mimel from which it is io be artiotied. It is bot lable to alemption hy any aet of the testater. nor is it liable to abotement witlogeneral legacies an long as it loes not exceed the fund from which it is to he paid. A cumulaties or substitutional is a meronl legary siven to the satue ferson. amd the "umenon for setlement in that conee is whether the later sift i- in adlition to on in place of the first. A leggery in mot paralle ly the exerutor till a sear han elapen ater the tentator: death, for it is prosmed he repnires this time to inquire into the stath of the property: and this $i$. trae aven thand the tentater has ordated the lexacy to low pain within six mathe aiter the Weath. If a lowsuy is left to ant infant under twentyone it canot low pail to the father or ang other relation withont the sanction of the comer of Chancery. Formarls, if a bemoy was left to it natried woman the homand was phtited to chaim it, ambe. it was left to her meparate wee, or mathis Ge wa mapoviled for ley the lastam: bat mow in all can- the wife get-for her separate ne alt property coming to her. laterest is due on legracios froni the time when the principal smo in patahe i.r. one yar atter the leath unter athemion - pucition." If the lecrater die lume the teratar
 -ome cxuptions, in where the legatee in a chily in Eramblehid oi the tentator. 1 lepacy to a creditor. ii mual to or greater than the felt, in presmeme to low in ati-faction therenof. If the estate from whinh
 ton fonpat payment may he broneft in the mandy coust. Tlae jeram tos whom the remainder of this froperty is lof after all claim- arn elincharmen is rallon the rembary lewater. In sombun the rulo- an to lewation are mainly the stumt. lat at


 per cent. from such death. If a lexace is left to a mamend woman, the property in it vent: in her
 the conpus withont the ernempence of her has liand.

In the Inited Kingelon, where the whale ger. somat intate is umber telo there is mo legate duty, and for umber telon the fixal insentory duty of :310. is deemesl to lee a full satisfution of ans "daim to leday duty.' In other was the rate is imenety as the deeree of redationalip. Tha han-
 or lineal descendant, a parat on linal ancestor prys I per eent. a mother on si-hor, ar thein dncenalat-, 3 per cent. : others, in promentin to their remotenes. 5 and 6 and 10 ber cent. The last is in all eases the masimum rate. The romal family are exempt from lepacy dnty. See Jaman on Wills, am Williams on Estomors

## Lexall Fietion, Ree F'mTm@ <br> Lequl Tobler. Sise Texturt.

Lexate, the name of the amhasandor or repe -antative, whether temprary or permment, ant in the forpe to a partienlar chimeh. In the later con -titution of the chareh the chater of laghtes are di-timsuishet: (1) Lequti "f lutw, berates de - patched from the sile of the pontitt, whe are commonly carinals: (2) Lotmeti missi. (alled also - apstolia nuncion" and inelolinet a lower grale callet 'internuncios: (3) Leyuti neli, 'Iteratetran," whase othee is not getomal, but is attached hy ancient intitution or mage to the sen or othe piocleniatical dienity which they loble. Wi the lant - lase there were examples in most natimal chmelnes: thow, the liahop of Thes-alonica wa le cate lom for
 of Hanz for Cermany, the Bi-lop of Toledo (thonfl his clam was often di-putel) for Spain. the Arch hinho of Canterlury for England, te. This institution, howerer, ha sone enticly intu abeyate : and inderl, the authority of legato is much motified in the monen church. In the medieval times the Ingate chamed full japal juralietion in the countr aninnd to lim, even wermline tho lowal juriadi tion of the liohom of the national wherh. Thi
 as in France, where the lexate was obliged to wat at Laon- till his eredential- shomh lave been ex amineal anl approvelat combt and tomanter lectiLation. as in England to the -tatute of 16 libehard II., cmanomy known as the stante of lymunire The Commal of Trent removel the gromme it contention ly abolishing all sull edaims tu local burindiction a tremell upen the autherity of the hishome. The legate, in the molern chareh, is lit the other than the imba-athr, maisly for spitual purpoers, of the pope. Itw is held is beloneing to the diphmatic baly, amt lay the we of 'atholit
 The legates at the more important mants hatse the title oif mamio, at minor equrts of intermuncio.



 (I...) the wovernors of the Lation- were calle luyputes.


 or in such a manmer that the ond note in: in were rommen all. or thew into the following one.
 the one lant to the ereationa of mythilory, an! on the other to the bure or lese hisionial iccretionsthat exer temb to grew aromal the matm of heroe:


 Pope domand Williani Tell. It in wer the fate
 fact athorded a haviv ion Stanso in hiv famonattempt to reonstrat the hiveny of thistianits.



 itself in comeretion with the later saints and matyrs. This torions pactios of interwering trutio with falle mu denh arose from a cerdutomlove of the womberiul, an exargeration of fancy

 and unreliable narratives. lint, intermised with fatwhomb as than so called lexembary tabes weres they widually erpit into the Eantern and Westem
 an entrance into the national litemate of Chrinam natims. Alreaty the same procers han mate the Tirlumt the strame medter of selow and monsense that it is. It shonht he addend that, in the liman Cahlolic ('lameth, the lives of saint- and matyr
 wore to be real (byfrntor) wat of them at matimaml in the refeetorien of the retigions homes. Ont. of the leet-known medieval collections is that
 Legrodn Anglier printad lig raxtom in the listh contury, was a kind of preentor of the mammental

see the articles Foblome and Mothomit. An adhurable discussim of the ancient trate lernic legends and their relation to my thology will lee fromel in the first volume of Cirote"s history.
 anisherd mathomatirian, wa- berin at Toukmare in
 lariv la samed the attention of Ithembent. and thromgh fion wam apminted profrown of Watho matios at the Dilitary selang. Ifter neveral prows that hee hat maintered the boblom analsio, and
 tion of showids of modution. Legendre was in





 :un conatial theomon of trix.monetry, juas in in Anon; he gave ont the lime propmal to bire the


 involuer of comal for life, ant momber of the



 with whicls bis name mol anain formanently aworiatem. He wrote wesemather mathematimal

 and wino muel migimal powr. Ili lus hmun









raduated in las.i. Ife hamed afterwards to llighJmy Thenlogical Coblege, Lombon, amb went mut to Daface, arrivine in Deromher 1s39, as a misamary to the (himen in commertion with the

 there; mext hathared for thaty vars at Home kong : and was :1pminted in lis-it to the newlyfommond dair of the ('himese lamsmagand litera-
 Ilis greateot works hate been hi editions of Glimest chessirs and luoks alont Comfurins and Mencias ( 1 sfigem). The Gonfueian texts and Tinind bexts formsix vols. in the simered books of the Eent. 1 Life of 1 'onflucins, tha work of Mancins, and the she Fing are separate phblimations. We publi-hed alan a series of leetures on the lidigens of (hime (lswo), and wrote many imput tant artioles on (lhome matom, imeluding the articlen (hinat,
 in thin work. He rectived the dearee of D.D. fom New Vork (1sal), and of LL.J. from Aheremen




Lechorn (lat. Jimpon) :mm Nithen very chose for the rank of secome haser seaport of laly (Gemori leine the lira): it is situated an the weot




 it- popprity in mury was. Cosmo 1. declared it a fire purt, the tirat in the Mediterame:m, :unl insion tomion trader- to sothe there, and thowe is ath a lave foreign element :monsent it-merehants. Farly in the 19019 rentury it was a
 decad, lweause the lisitish merehants hegan tosend
 wrated to be a free punt in istes. At the preanent moment it- foreign rmmerer, whichis eartion on chieelly with Britain (Newastle :and Cadill'), Frame ( Mareilhes), and the Cuited Ntates, is lens in luth halls:and ralue than its emotiner trade, and sing las. whind the later ham hern buranine. The forem
 abont 100 1 , worlo per ammu, contered and cleared,


 gomh, win and thar, and mithinety, maty have




 (Howed in 15:9 bi:3) is an emelomed hasit, ome "hieh stand amenals and shapmiding yards. One
 Italian immelads. The mad-temb is potented hy
 b.....ls asaint all wimb exept the moutherly.



 in the mannfatime of emal mathento, by some







fine splares adorned witls stathes of the srand dukes of Thecamy. The morth we:tem jurtion of the ejty is interseted by amernis abals; bume
 of the public huildings are the eathedral (17th

 (1) that of (matertam), the inmer gramb-hacal
 With a linary of th, one whmes, iml the hamal

 in the wame leghora in defombed buth lame ward ame mawards lay forth, bastions, and wher fortifications, cometructed for the most part in





 - phated in toree amd organivation to what in mondern times we should all a corges drermop. It ditlered in constitution at differnt premode of laman history In the time if fler repulatie a lawim conumixal tiont men, tha diviled: 1200 lumsted.

 trimeri, of pilthe betetano forming a reserse ; amb
 1endonged to fanilien of rank. During this perime the legiome wore firmed muly for the setano standine armies beime of later growth. 'I'lue hastati,

 1and and in the ate of the 1 wo font limes, and

 second-centmion, or linutenant, athl two shl,


 or senan centurion of the triarii, wate the masi important recimental ofthere and commatared tha legion in the alwence of the tribmer. The :30
 of (3) haretmen, wall whice thare shatmens, of Wham the renlibe hat the cmambat. The atall of the leasion convi-tol oi sis tribuns, who manacold



 timpor of the cinil wato, when it lequons, or lieu-








 $\because$ ant a colante. thrine the lator empire the




## 







 fonmeni the l!elt centurs. It it tiot im-titution






 Minilde at members, but they atre nom monted it
 of the members must la soldicte or satome on
 mos is a femate head mpeneming the raphltid.
 Lsoo: on the rever are two "rowed hase ind tho
 hes wrath hadf of mak, halif of lamel, leane The ribun is waterad ve:ulat silk. Ila militas




 for twenty-five yars: "xploits in the fied on seser womble constitute at "ling in the of wat. 'Two dintribution- take flate in the acar. 'The momimatims of military perans taldo phere on phathe. athe of civil in the supreme comato of justice. No

 to a sumpurank it is impliopuable, at lean for
 inferior grades. la addition to the order to. (10n: medat are dintributed amonest the ramb amb file of the atmy. Eatulamal matle its hatrer to a pemion of low frate ammally. The wat ammal expmatine oi the onher andonts to semen million fratace. The rat mumbers holdins thin
 on whom it las heen monfrem, hatw detacted moth from its value. At ibe datio of the battle of Waterla, there were $4 \mathrm{~s}, 00 \mathrm{mem}$ morso of whom anly $1+10$ wore cisiliths. In the reizn of Napoleon
 permons: lut a law wis paned in that sar that
 two vacancirs in the rivilian ranks atmon on fon erary thate or far in the military. Thi redurei
 siven free colucation to for of the datugher. isters, and nieces of its members.

## Lax-irons. se llaxmello.

 is the legral provinum which a rhilid in entiteal to. nut of the tmosable or perama! atate of the deceased fither. 'The extent if the prosi-inn

 childmen mise, the manable ratere is lisided

 the ehilames legitime the wher thiral is the load's l'art (4.3.), whimh the father mats heigueath
 it pere to the whildron it mext oif hime if the

 in hix lifetine lar ma:s, withmat :ms rheek from

 lawen the fumd which will supply lagitim. The




 catn do he mesta of at will in what in copnivalont tu a will. Ilue lwitim is matmathe ben all the childan ular -urve tho fatlat, but mit lis the
i-alle of those children who have predecentsed. It in immaterial what the ane of the chald maty hue, imb whether mandeal or mot. Chilnlen elaim. mg lomitim mast, howber, rive crolit for any powion or atrance mate by the fither ant if his mowathe wate in his lifotime. All the Gildren, thoush of dillerent mariages, share in
 no similat right to logitim, for the fattuer ean
 but a similar custom, now abolished, whee ovistad in the city of lombon and York. liy the Jarried Women's l'roperty Act, 1ssi, the rhilhren of ing Wontan who dies ilomieiled in scotland has the - bume right of lowitim in regard to her movahle patate in they hate in the movah entate of the ir futher.

Levitinnition, in law, is the wet lis whieh
 Aren. By thr common law oif Enylanl bastandy is malelible. T'ho maximin 'Once a hastard, atwats a hastanl.' Jy the civil amd emann law, on tile wher hand, the subsequent mariate of parents who have rhilhren begotten and born ont of lawful wedlock legitimates the ehilatio. 'This primeiple of lexitimation ly sulnempent marriane frevails, with momlikations, in the latw of Franco.
 pevail in mont of the states of the Amolan
 ln the reim of llans 111. the lishope of Engrad - bught to introbuce the rabe of the canom lat inta the law of Enghand, and petitiomed the lords to amsent that permon burn liefore wodluek shoulin be lesjitimate su for ats reanded inheritance. Tha' Pirls athl bibons retumed the fimons antlote of the Statute of Merton, 1235: "We will not change" the laws of bincland, which np to now have hodu "sed and approbel.' 'The lematimaty Declabation Aet of 1 sis provided that any native. morn liriti-h -nligeet, lomiciled in lingland or lerelanl, or clationing any wate in burshan on lreband, may aply 10
 that the petitionew is the legitimate chibl of his parmots. In the linted states coses have bermared It which hatathla wore legitimated lyy pecial atots of the lowinature. 'Vhere is another kind of legitimatton, lomown ats legtinsation hy royal letters. This dhas not confer upon bastatos thos full rights of lawful childrem, hat whly gives ny such rights to the property of lastathe as the law eonfers upon the crowns.
 line, as opposed to the orleaniots. see lownams,


Levinato ond of the forn fortified towns of
 i- sitnatol on the Lili"n, as milox ly mail she

 bised hy Napuleon in lsol, limt rebuilt fonteen Sema later.

Léros, dimbowis, painter and etcher, was lome at Dijon in 1 sig of pong parents, whe apprentherel him 20 a lumserphintor. He tirst attandorl attention hy puthotes exhíbited in the l'aris





 Ilin andmable attistie methond and the anstere sim-
 fim wam andmiras amonget artiots, latwe not mate bim popular. Sere Jobliat Cuicersity Jompurm

 sirting ot a singly cargel, two-vialval, and with the sedels-ome or many-attached to the ventral suture only: It is eommonly called a pead, and oreurs in mont of the species of the wreat natural oroler Legmoninosa (y-v.), of whim the leath and peat are familial examples.

## 

 natural wrer of exuromous plants, contaming herbiueosus plants, shrubs, and trees, mans of the Jatter of the greatest magnitmbe "I'he leaves are whemate, nsumbly eompomil, am! have two tipules at the hate of thas leat-stalk, whish uftora somi fall ofl. 'Jhe intiorescenoe is varions. 'The ealys is
 often moneral. 'The petalsare tile, or', by atortion, fewer, inserted into the linse of the callax, mandly noegual, nfton l'apilionamoms ( $1 . \mathfrak{\prime}$ ). 'Thestamens are fuw or many distind or varionsly mated. The wary is one-celled, gumbally of a simele capel: the stle simple, the stigmin simple. 'Jlow fruit is a lagmme, whinh is mimply and composed of two vilues, as in the prat ind the heobs. The
 somally with an anil. ofton furvel: the rotyledons rery latan. Thare ane thee sub-omers:

 Mg petal-: (3) Mimosea, with small rembar Howers.-Jhis natmral maler combans almost

 after the grat man ('ompmation the most extondie of all the mathal omers of flowering मhants. J'ley are oprotel wor all patsts of the worlit, from the equator to the pubes, lout their number is wratest in tropional inn sultropical regions. 'Thes abe applat to at erat variety of
 In donestie ecomomy, the arts, medicine. dr. 'Jo
 all hinds of pitlst: ("lover, liduorice, biowom, Lathmmm, Lhyine semms, ami many other mediamal planis, "Jomarimol, lognood. lmbign, and many others which atlond ilsto, No: the
 ing on : beonant of their beanty of form, foliage, or flowors. la the -monls of many is fumm a nitrugen-
 C'issulle.

Le'high. at river which glows l:00 miles through
 of its seemery is rery piothrespurs but the valley is more famons for its rich mints ar antlarweite cosil.
 LEEBEIZ), ( for almost moneral schalamsijp, especially in fhilamphes amb mathematice. Wat horn on lst July
 profesore of Morat lhilosophy: Ho attembed the

 livy whilst atill a lons of dight - and at diftern



 Atidorf, the miverity town of Xinemperg. In thes following year he mainol a warm and admining patron in lamon von linimblum. fommery chief Hinistare to ther archlishopechertm of Mainz. dt

 tainingr a proposid reform of the corpues Juris and of the tearhing of jusisprulenors ; and the elector fonk the formg selmbar inta his nervice. Amonigst
 was to adrocate, in itit9, the elams of the romnt palatine of Srubures to the erown of Poband.
 explan at areater length the wews ha hat latil down in an essar antitlord Conswlimm Ennution"m. which rlaborated a plan for the conquest of Eoght : though thor real objeet of the work was to clivert the ittemtion of lamic from projonts in and afon the dermanstates. This plan wit Leibnitz is lelieval to have surgested the invasion of learyt which Napmleonattempted in 1798. The tour wasextentid to lonalon, where labinitz hecame atequanted with Ohenburg. Boyle. and Suwton; in laris he hat alrealy loamed to know Srmanh, Maleloranche.
 Fewton stimulater hivinterent in meehamial amb
 machine and dovised what was in many recpects a
 Flexions). 'Thingive rive to a enntroversy with Newton as to which of them tirst invented thin valuathe mathematioal mothom. In lfati Leimita. guittel the serview of Wainz, and entered that of Hanowr. The anke apmonted him custoclian of the library at llanover: and this eity was heneme forth Laibuitzis hembuarters. But his enerafes
 prosement- in the dramane of the mines in the Hars and in the comase, arranded the library at Wolionbuttrel (where lasinis afterwams laboniod). and in lfos rivited varions citios in fermany. Anstrial amp lably for mather material for an exlanctive hi-tary of the limnswiek ducal lomsor. The pape ntiored lim the hearlohpor the Vation Library: lont Leihnit/ declineal the ofler, vince the aceeptance of it womd hase roburelled him to hecome a limman ("ithulie. The tank of womkine nj, his materials inta combectal hintory emplosed a gond leal of hio time in mberpent years. Philo. sophy, tom, ahombed at latras propertion of his most serious thonotht. Ind in the diveno-imo that wers earrien on with a siew tu the reennciliation of the Protestant amb limman Catholio rhmrehes Leibnite


 a- a responateconciliatary-fomen the J'rotentant

 nitz endearourel. hast with thre same want uf snecess, to recomeile the latheran and the liwiomed elurche of Prowia. Ife was more surdestul





 afterwathls institated in much of thome rapitals. Wlailat un a bisit to Viennat in 171: 14 ho was -reatoll atriveconmeillor of the mapite: lae wan





 Nosember 1716, at llamoser.

 and the monimm of spimeat (whom hoviailed at
 intics and formatio. 110 tamisht that the pamary

 or monato, whinh are simple :und simibar in constitution, hat ditler qualitatioly: and in a sold

 minor the miverse, and appetite ar strising. 'Tho degred of furtiotion with which ratch mostat reflere the maverse hapends mum its indisidual "hatactor
 mation- that exist hetween tha active amd the pasive +2lements in it mature. Sul the entirn

 arrangeil from the diret. that, whilst rately ober
 independently uf all othera it is at evory monamt in complete arenme and hammony with all tho rent. The body of math is a eomplex of wa marate momats: his orml is a sinerfe momal, the sul, atantial centre of his luring. Vet no monall eat



 hotwonn haly amb sulul. He compares lumy ami
 in the herimming in - 1 ll a way, amt so perfects, that looth ean be dopenten njom to keep exand time with earla uther withont any home of con nection me any interferenoe fam withont. (amd is the primary, sumetue. prefont monal: frobll llin all nther parmed an folematimm or raliations. I'lant- and -tomes are likenian momata: lont in their raw the pere+ptive caparity is more mo lam hamreal or shablaine-an alnmbration of the
 Ganl is the contriver uf the miverad harmony that prevail anmort all woated thing- this woth

 ment depend-ngon hi-areat ligical instrmment, tha prineiju ni sufferent reaurn : there is a maliciont reason why this worlid stomble the how of all passible wathls, amb there is wo atheient reazan why it shmold he ntherwise. Dlis therory allownd himi to demom-trate that there is a mbantant argernont lestwern fath and the deliveranco. of remann. 'lhe Iabimitaian ethors are desheed from the property of strimes inherent in evers
 throngh individual irembon.
 parative philolows. He took sump to eollowt speri


 Iramatio, which imelmod Arahio and llehews, and




beibnitz left mo empplete aromatic amernat of his phlosenhacal views. They have tu lue gatherel from several collocthom- of letters, essays contritatad to the





 lat wark he eloaely enticise Locke's colubrated Essar! ob
 philosophares mavisu ois lihil ast at intallecter gume men








 philensphy.

 is situatem on the somer，a tributary of the Tremt．

 lambon．Traditimally fommad by the laitich









 ：abiac hatl，and he an artiferial earthwork，the

 Halsers diad in la：in，is an imsignificant if pietmresper ran．In the blae lion lam，Jomathed



 Whather，Eat of baroeter．Sir＇Jhman Whita． Wharman Xinton，and Willian of Wyentm．
 she other miliop are the wh town hall，with ghal






 ahtipuit


 hagh，The New Walk is a pleazant tereshathed




 callat the Shamery till lath．The atmomally







 with manfactum of elastic whhlim，s．wing． antom，late，lambe－woul．No．Theme in cant in the


















 knimht of the（fouter，it Priverommeilher，High ：Stewat of the mincoity of $i$＇ambilese，bum

Wadley，and limally in hat karl of lacester．For these high homaris he seans to have hern imblebted mainly tha hamdume perom and a courtly mamer． In Litu he hat married Amy，diaghter of 大ir dohn Bonart．Sha lived in the combly，and early in

 hushamis，where on sth sephember，she was fomme lying doal，with her now lrohen，at the foot of a Atimease．It was penerally belinsed at the time that she was marlered，ainl that haibley，if not Fizalneth herself，was an amesmery to the rime． This loflef receive sme smpant from wrath dismoveties mata in the archiow at fimaneas， which indicate that a phat to priwon her was artually unteren intu hefere her death．Blizaluath ＂ontimed to fivom latestar in－pita of his un－ PMpharity in the comotry and of his areqet marriage in 105：to the Howager Laty Nindlinht．In 1503 －he had surgested him as at hatromb for llary．
 masuilicently rotertainel hy him at his caste of
 the wions of Walter．Fart ai Exas．and when the fact was reveahed to blizalnth．she was greatly，
 mambed ：an experlition to the lan（＇ountries，of which next year be wan apluninted guvernor－an

 Whilip Sidner．hiv neplew． 1 mot with his death． In lige ho again showed his malitary incupaty in tho sime fieh，and lat to lu rasalled．fid in


 Sopdomer of the same year at combang in oxfort－ －Whe of mism，said rummer，intemen for his wife． Sul Ehaberm，with work thare cited and the

 （15以ら）．

 Hencembant of the famme lawer cone．Ho wats
 allints for the burmarnent of firming moth－west
 wheat growing ditriv．it－s：tem di cultivation
 stack and if letter loredo war hel on the farms． When in $1: 26$ be sumperter）to his＂atites ther sirhend an ：mmal whtal of terent：at his death





 Patr of Lacester of llolkham，tu distineruish the
 tha＇lownshom fomily．Fond

 death in 1an had hoome metimot．Ho died at


Laderstershime a milland manty of England，
 Xurthampton，Wawieli，and layly shires．It hiss a maximum longth and lopattlo of m mibes hy

 （1s91）3asum．It．－uffice in mainly mudulat－ ing taldelamd，the highent gromm heine at Charn－

 Suar，iteqli ath athurnt of the＇Trmi，which for a
short distance homets the sommty on the mothe is. with its tributary the Wreak, the principat
 lamy : in the morth-west are baluibla conalmines,



 for 1889 the area modag chat erole was only

 panture or smass. Ilemen the pribeipal objects of


 manafacturen tha principal are thon of homers ambloots amd shate : haskemaking in earried on

 comprises six humberdo. ther lambaterntary and
 almont entirely in tho dimese on luthmongh, amb, fur judicial phry"som, in lba Midland "irenit. Lerester in the as-i/e fown, amd ather towns an

 brat the last 1 wo heing oreat lantinge centres. Six membor are rotumed in parliantente and the

 wioh the eomaty is late hattle of foswortl fielal
 persents of mote indentilied with ladereteralsive mats


 land the fumb. fanmer low. Simpon the mathe-



 179.5 lvis), amd (intio (14.31).


 philuloge at finttingen and natual mionee at



 west shome dinally reathen lont lixsinetan. In



 fromb bith to went. lint la- wil lout in the interion.




 Liberpool ant 16 W . of Nam-lumer. Nilks and
 fommerien, brewerion, malt kilam, amd elam- work

















 which proved that he mesel quite lival down the
 "preatame at the linsal Acarkmy in lain with












 ont of the fande withe thantrey langost. In latit









 on the esth of tha same month, and was harited in
 of the world as well as a painter, and dincharged the dhtins af his onervore porition with matrelbu- tace

 Which it attabued whber whe of his prentecemor In ant atime he was alway- inspind lige the loftient

 him a-ibe from the shaisht joth; lat it may lee objextod that hiv $1 \times$ rapreamemt wat rather that of






 that han grown out ar somed thonlogis, win larn in







 At istern the las werat on the miverint of kolin




 sombe time will lionatal atherlic matives at I huaty


 fanmed :




 potort that suruly they might "pratit at pent

matuthentieated, It than pretionl he wats a fre front visitor to landon, and after 1646 he went
 applied for beave to resion his chatere, on the pleat of inability to perform its dnties from ill hesthla amb wallinem of voice, and early next vear be was allowerl to da su on beinar appinintarl jrimeipal of the nuiverits of Ellinhurerk.
llere he remaneal nime years, and binnet testites to hix wambiahle inthence over the statents. Blsewhere lat tells un of the womberfal eflect af his preschiner, which yet displearal Prenheterian sablots from its hatangening methorl, withant leats. Leighton's Probrotiomes Thembyien are extant to how the kiud of lation orations which he

 the wark of the Nowbat tle period. The liestoration hlarod on the damae an aboblate limer with a ranted detarmination to furce Fipiseophey on scotlaml. beioliten after much relnctance was formor lis the Finer himatif to latome one of the bishops of the now morlosiactial ranime bat with
 the formes of thas new dinceses, althmarla thas


 iner now orlination: to the mintly lajolytm, indiflerent to the mere extermale oif roligion, this Was a letail of no eretat moment. On the mothward journey le shecowerl the troe motines of Shapland his louthar hishops, and boft them at Worpeth to avial their hateful trimmbial rater
 Crantifnl litthe town of limblame was hix home,
 build wh the stattered walls of the chumela, althomblif soon lont all hope of sumens, while his work'seromed to bims a bishting agtiant tiond. It wac ehamateristie of the man that he never would jeramit limarlf to he athleseal as 'my loril." and that her mbly allutarel in patiament when chmed mattars were in dicpme. Jis rameption

 What was lase in the two systedus as at hasjo for
 tiflirant sides, lint nowhere amons his onworthy


 noderatoml by luth silles, lis monlematim heing


 pomotion - a mow luttatal uf reltam with a kise.' 'Thes sererity of hin life, his unworlollintsin.
 Romaniom, and atrpaly his reeommambation of his



 ' carryime likp: pamby prelate, amb mas that him
 was lant stroliang veam in their montlis at limet.







 Jomion to alvorate hiv rrheme of Areommonlation, and after his retnm rated in farone of the majoti-


Whielt he repented all his life. Immediately after he insimmed the dinties of commembator of the arehdinerese of (ilasernw, while still contimuing for smme time lianop of Immbane. Next followed his fruit-
 with leating lpeshaterians on behalf of Accommo. dation, and bis serbling fhomerh the western comoties itimemat enloneates of the eamse. In despatir of sheress be luegrese for permisoion to retine, atm at lemgth about the ebose of 1674 was permitted to lay down his ardhbishorice dlim

 ami his desire to spom the remaimar of his life in quiet rotirement, ats well as 'pity to som almu "lunch domer its uthant to destros İoth itmelf and religim in furions zeal and rmblexs delates athut the emper mame : mat shatow of a ditheremer in ornermant, and in the meanwhile not having of

 frejaration for his emel, in the homen of his wiblowed sister, Mos Lightmakity, at Bmadharst Mamer in

 he lise. Jin death, whirh was the remelt of an

 in Wirwiek Lante, london, whither he hat luen shmmomal la bunet to an interviaw with lard


No man wer lived mome intemsery absurhed in the lowe of fiml than letightom: no stimt was ever lillen with a creater meanare of the spirit of ('hrist. It was chametarintic of him that he nover thanght his writhers of any value, that he gindel mothiner himaelf, inal that he left orders for his MSS. to
 prititality, a mome hearenly exaltation and davo.
 amb beanty, wedshod to simenity and intellecotmal strungth, as wall as their lamed catholiaty of
 in Chantian flarity: lle saw the somi that

 allowed to interpor betweed the bimand soml athe find. lose of peace wan with him a pation, thongh whbalpil! he foll on evil days athe unhathy
 memory is fiom the pern of limmet, whes siss at

 twenty rears. I mever knew him say ath ille word that hal wot a direct tembency du midiastion : and I never ance sam him in ans ofler temper lant that Which I wished to le in in the last moments of my life.' Ame arrain in tha Mistary of H/s Garn Timm he sive: "I hera still the ereaters wemation for the memory of that man that 1 da far and ferson:

 Io a hishopric], and my lonif amd intinate conver sition with him, that contmmed tor his reath, for
 uf mis life: inal for which l knomy I must give

 mond has retermend lafinon mare himfly than
 on aplorisms collenl from his writuge.
Leinhtun left his hbrary tu innblane, which las atmother memmral of its Ereat hishom in the 'Bislon's W'alk' along the hanks of the Allan Water. In the Filhinthera Le ightoninue there wore originally more than 1500 volumes, and upwarls of 1 OOO still remain, more that $2(60$ of which have interentine maremalia, llis first editor was his friend Ior Fall, who printed must of the works from Itis!
 ( $17+5$ ), Jerment ( 1 sois s), I'earsom (1sey), amd Aikman (1, 31). The last three editims have livesut the ather, of which Pearson's is full and genl. The best and anost cumb plete editum is that of the Liew. Wilhiam West, although the method of editing is not contrely to le commended, and the anti-I'resbyturian prejudice ill betits the subject. 'The work was the labour of a guarter of a contury and vols.
 Vol. i., to inchale the life and leeters. is mot set pub. lished. There is an ahmorahe volame of seleoftums from
 Blair of Dunblane. Nee also the last scholar's. "Bhliom graphy of Drehhishon Leeghton' in the Dritish etme Forcion Excondelical hover for July inxi.
 fordnhare, oft the Ghare, 4$]$ miles ly rail SW. wi
 Englinh, has a bire of 1 bis fotet. athe was restored in Isse: in the matioet plate is a pentangular eross ; the eom exthange win hatt in lsog. Stram.





Leiningen. a meliatisen prineely llonse uf
 of one of the livandies into whinh it hat heemme
 Ilardenhmere wan mated to the mank of a primex of the empine: but the prace of Limeville deprived
 milss in axtent, ant tha left lank of the lihine. Thonth monner an imbinembint princt, the heat of tho llonse petains hiv rank and wealth, and
 The mother of Queen lieturia had for her lirat husband the frinee of Jetinineren.

Léinster. whe of the fonir provinces of lreland, ocenpip lhe matlapant purtion of the conntry. see lreadsu.

Leipat, a town of lohemiar, fomiles N. ly E.



Laipziar (Fr. Loipsie the thind eommerainl city of Ciermany, is sithated in at lares and fertile phain


 tion of the three small streams, lister, Pleise, amb liarthe. 'The inner menciant town, the rentm of the basines antivity, with natow and arabland streeto and quatint homes, is semarated lis a banal. tree-shated prontande (latid ont sine lind orn the

 of bousy mamfacturimer villages. of thase last.
























 Gothir: and the matoniticent lmpersal latw-ennts.

 called bedatuse originally a drapers hall), in whinh.
 were riven. I eipar rontalas momerons squares
 stalis and buothe of the retail meders at thas firio.
 the Marhot-plewe in whibh a lerge war monument
 and the dohama-l'ark are fine parks an the ontskirts: while farther ont are lime oak ami lesect wouls.
Lapais resemblas Elinburch in brimer an im. pertant lemal, edueational, and how-publi-hines rentre, thoush in its oth+2 commeroial intome
 been the seat uf the supreme comb of the German
 new hulhing for this tribmat was latil lere in Isis. 'The maveraty, fammed in fow bey a


 Viemma, Berlin, aml Mmmich. The Amernstum, on
 mented by phatom morlieal and physieal hatmat torles and wher "institntes" (forty-ainht in num brer) in other parts wif the town, inclualine a new


 astablinloments are two grmmasia, a justly famom-
 frybil>), reskonel amomest the first in Emope, ami many literaiy, artistic. ats! setentilte institutions.

 medical ficulty of tha maivmatio. As at atat of
 berlin amoner the towns of temmats. The ehiet articlos of emmonere arr fars amb shins, elotlo, leathor, and hoohs. The famoms leibzig fairs are held at Eaterr, Dichacelnas, and the Xew Vear, ambl last from thare to dive werks. Thair origin is traced as far back as 1150 : their inpurtamet
 "aratost prasurity at the and of the 17 th and the
 in lsis: to tha diemman lantoms lomon (\%al
 fairs: fate sine latis the erowlla of rallwas and

 impromere thomeh they are atill altombed bs


 E10,000,000 storlinge :104 salil tor takn fitwe at the


 hosk-trade, ami therte atre alew abont eighty printing estahlishoments: while type fommbime has





 markat, in dume, is still mand frembented, thongh




 athl some lextilos. Iranfomdine is also remped an. 'The was eloth imbletry is derlining.
 slavie Lip or l,ijn, a (lime-tree'). wigitally a Wenliol settement, is tirst mentioned as: a town in lotio. In the latter pate of the loth century it
 -rew in importane and prownty moler the fontorine are of the marguses of Xeisath. who Eranted it momrom- commereial privilaro. Leipzier sulterel spatly in the Thity Yiars War. in which it wan fiw than lunimert and taken, and




 in frase-ion of the fremell :and of the allies. In

 as the hambuateme of the somialiatic party in Gormany. Tho fanma- Leijaig fonforemo betwern Inther, Firk. an! (arhtadt, which tomk

 the histury of the Reformation. Letbels Mat the


 17.00: and Manlelaxolm was diverter of the dewanthans "morerts from $1 \times 3.3$ till 184. In
 the Sivan or Loipzis seluml of ritioi-m. headem

 still -hmw, with wh fresene illuntrating the lageni nsed hy the papl.
 been the sempo of two hathon of prat impurtane


 -cathol the Bithl of Sietioms -froms the l6ith th the Isth of betober isi:3. Tha hattor was me af the most blomly amb derisive of fame which efloded the deliwratuce of burnpe from Fromelt


 Markal blarlory, and bernatote. (rowninime of
 was rembened at atmen 30,010 killed and wounded,

 an! tho Fionh had to evanat" Lapris.

 Hirschfelld (1~ni), Muser, himmdurf, \&e.
 important onaport ame a monicipal and parta
 Firh of Firth, at the momtla of the Water of Leth. - mile S. of Blinhmeh (q. W.) with whin it is ans emaneoteal ly a contimans line of stret. It is even leas attractive thath mon mapert thwn:
 15-7, and mone of tha public lmiliture are not bail. Among than an the comethmer ar thwn hatl




 is now the artilery hampartars in semthant.

millon sterting. 'They combriae five dacke, con

 actes; seven graving-locks: and two piads, 1175 and 1041 yarls lomes The forign, combial, and conating trande of the pent in grat and inereas.


 (com, chomicals, surar. whilon and linem yarn, timber, fruits, Ac.) have an amom vahe of more then essom,000: the caports (real, iron, cotton
 atembat commmination with Landon, the north
 Fink. Shiphuilding has of reernt yours become at



 de. Lath was motituted a parliamentary hargh in lains, ant with Jortobello and Mused. lough return one member. Its nine mathes siege ly the Protestant- (1059-60), the suprise of
 wits. immmeralde tre the dhof wemts in its histery. Ihome. the anther of Imetylets, was at mative: Ahhn Logan was a minister : :und liobert





Maithat. an Anstrian stram rising in Lower Inatria, amb floming NE. th join the lamule moarly wher tha fontier of Lower Antria and Hmagry. Sine the remqumsation of the empire
 and the lamb indomging to the Inamaina comen as Trons-lythem, wind the" rest at the "mpine (as. bithen-thas giving the strean at fretitims im-

## 1witimes.

 Bohemia, at the heal of steanhuat mavipation on

 drad (16:1) and a hishomis palace: and in the town-
 Brewine is the stiphe imlumpy. Frata, wint, and


Laitmotiv. See Morn, Whextis.


心首

Laitrill, at eomats in the mertheretst of the pro-




 Wh tha moth, und is diviled into two purts ly Lameh Allon (4. w.), from which the Shamen forms the semthwet lomuliry of the eromets. The suthero divivion emotain mumeros malll lakes. The northero division is internected by sexaral












 （syl）F心．bls．Leitrim was relluced ly the Enelish



 wham it hat once belomatal．

Lelina（Li－lim），the tran－it－lum of（hina（f．r．）．





 rexided ehitely in Fincland，and inventigated the



 Duteh，thap famomu Hitus Preifmemen Bulluels （150l）．Wther work－are The I＇pitry eme Myster？ uf Treams（ISis），Meister herl＇s shetiblumk












 grence ant endleetal at whate worlal ai thinas very

 were the ructubin of lonteliner，in the marehos of


 harkenml hy invanity，irond whirlt he formel reliaf in heatho dinil 15 ，linia．De hat labmand in vain with eristhio iniuntry on arallor and digest hi－

 aul lourdale．


 remammue works are The Itimeruch（erl．by Thmmas
 lowteurd fal，by Hearno，ti vols．1715：For has hfe，sce


Latand．Johs，an eminent Intherathry Fome

 Where hes wat a I＇robloterian minioter from 1716




 Moral Pheloneldor＂．llis mot imburtant＂ank i－






 （t）Wir ploli（enl a Lifu．









 fervel on him the homem of knishthoml．Fimm the death of Vandyelk law was flo dime pantar ni the day in Emskand hown to the arrival at

 ：lly in paintine fomate furtatit，thourh lar failed to master the servets of individualit！．Hiv but． komwn［imoses apart froms purtraits of his royal
 II．at Hamptom Comrt．He dien in lamdm in livil．


 Labw＇）．the eapital if the Jm－tian kineslom oif
 tributary of the lase in a marmo bexin amones hills．ald mile E．uf＇racow．It i－afomberl bỵ a citallal，aronmel which the molemen town hais
 Whom ahont 40 ，（oo are Jews，whilst mean Jow，wn －park Puli－h．lamhere is tho seat uf a lioman tatholic．it Greak l hitom，ame an Amothian
 －everal monasteries：in the lith ventmy and marlies it was called the＂town of the monks． Geveral of tho rhorche are line haillines，at the Dhaninion，which contain，a ereatly venterated imane of the Virmin：the Greali cathodral，bmilt in the Italianstule in litu－at；the dionhie limman
 cathondral，ratine from the 4 th cenumy．＇I＇he uni－ varity，fommed in liat amd remsembenl in lat，





 ehtravings，de．There is a mom－ibarable trate in


 Lamberor was an inpurtant eity of loblamb fom
 lant acoa－ion in loty．It foll to dnatriat at the lirat jatition uf lobamd．




 tawne fur，an inlabaitant oi tho abithern reathli－


















Eralution in fremets（Issos）．In times of frever lent sumpstition lemmings wore often exombised by the priests，and the prasantry of Norwaty sipluxal them to fall from the elimuls．Imanio


Lemming（Myules lemmas）．
 the Alpo hat it now is dietinetly aretic．．In allion

 chles forqumbes，inhalitiner the aretic megims of both hemipherex thme white in winter．
Lemmos，a lumkish iskom in the northem part of the legean sea，is situated 40 miles sE． of $\quad$ lount $\backslash$ how and abont the same distance $S W$ ． of the Dardameles．It is mealy split in two he a lara lay on the sonth coast and another on the merth what．＇The interim consists of an molulating phatan．Nome of the hills exceed 1 foo fere in

 dupts ate com，wins，and tolareo．In antignity and all through the midile age the most motalife prochet of the ishat was the Comman eath ou ＂spald parth，which was in genaral repuent an an antilote araint makebites，alow as a remedy in
 only on one day in the year， $\begin{aligned} & \text { bugnt } 6 \text { ，with an }\end{aligned}$
 spot nar the mined site of the amopent rity Llephartia．in the numbeast of the ishamd．It has now ghue out of repme amb very little $\mathbf{j}$ extracted enery far．It embited af silex to the extent of two parts in throw，with some a amima， axida of irm，watur，and natron．In ampient times

 of robanio action．Lasins was regrabed ly the

 hat Miltians wrested it from them for the Athemians．In lian it pased into the hand－oif


 is：：phae uf bamishuent for Turkinh pulitical
 （15！日）。





 ＂品ual farility in Emoli－h or Fromb，and it the mont problitie anther that Comatat has fratuend．


－wer thirty in mumpr－inclule some vahable －ketches of Canalian history．

Lemoinne．domy Émbe，Fremeh journalist． was larn in Lumblon on bith letalmer lsis of Freach marents，and joined ble statl of the Jommen
 orpumty he was appuinted editor af that new． papm．ind wided 11 skiffully and sucerofolly
 1sith he wate elected a momber of the Acadome，and
 Hiv Etudes Critiques（1s52）amd Xomedtrs Fotules


Lemons．the frnit of atmall tree（ritmes Lamom，＂m）helonging to the same nathral orler ta the（range（Aurimfueter）．The wheremblarater of the leaves and thowers and fruit of the lemon－tree is so well illustrated in the accompayines cut that
 varipties of the lemom，lint they maly all low in
 The Common or fema Lemm，which is the most phentiful in the－shors．（2）The Thin－skimud Lemon． Which is of harge size．having a thin sumeth shinime fragrant rinl，with an almost entire abmene of white swhes mater leneath it．The pulp is wors delicate and juine．with a dolicions amma．（3） The swere lemons，which，white having the ex tomal apmarance of the lemon，las tha pulp waret like that of the orange．（t）＇lyn（＇itron lemom，on the Lignvan Lemen of emmeref．It is at hare


Lemon（ritrus Lememunt）．
Whonge froit，with a thick romol warted rimi，which is eat：ible．＇The pulp，howerr，is the lacet indieate of all lemoms．
The purculiar and grateful thavor of the juice of the lown is mainly due to citric andid．It foms． when properly diluted，an arperable and reftehing
 intlammatery dismaso．Tha most vahabla of its propertios，howewr．is the prewtion and mor of sentry ；heme it on the wers simila lime juice （s， The well hnown nse af the rinh．vither frwh os bremerol，in the comks and the remferionrs art－ for thaworime and ornamenting dishos．cahos，：lus comalies new binly la athoded to，to chow the im Furtane of the lemen we civilised man．The essen tial oil（sep lathew）i cultationd from the timl．The lolum is latreny coltivated in all the warmen
 ing on the Modituramean，and it is maturalised in chate parts of somth Ameriea and in the Eat ame

Weat halies, and in parts of Australian Se benwia, The C"ultivated Orenges end Lemons of Inthe and Ceylon (180\%)
The oid or Essorne of Lemons in extranted from the fresh lemom peed dither by prane on ly dis. tillation. The former is the n-wil methol. 'The ferd, removel from the froit, i- lent suat to rupture

 and the exmbing ail collected. The vield is variable, atmonating on the atreate to 10 a\% of oil from 400 frnits. The wil has the same empurition an
 -mall quantity of emene and other wil. While it is often adnlectated with turpentine, there is mo donbt that the Fragrant portion, even in genaine wil, can be remosed, leaving ahont go per cent. of liguid having a decided turpentine odour. This fragrant partion, acembiner to shate anthorities, is an oxyenated mbatace. and thereme diflom distinctly from the linlk of the nil, whid har the composition presionsly stated. Its chief ure is in a Hamoring agent, the modary esone of lemon of the shop comstisting of a solution of the oil in alcohol. It aloo enters into mot jerfanes, such an ath de Colorine de.
The su-cetled cielt of Lemens, or Sult of Somel, is


 in 153.5 wrote at fare, ther firet of a bong senies of melohramis, operettas. Ae. He jurnduced, moreower, seberal movela (the best. berhatrs, Fiellaner Lelle, Istit), children:- storiee, and esobs: and appeared
 to entabliv! $I^{\prime}$ tued (q.v.), of which ior the liret two rear he wan juint editar with Henry Mithew, and thereater sule politor till his death, which took
 Ineph Hatton's Reminisenter of Wark Lemon (15:1).

Lemonalle iv fomed lis adding two lemons
 of boiling water, anl ligesting till coll. It is at usefuldrink for allaying thirst, and ats a refrigerant in febrile and intlinnatory complaints, and in hamortare, in whicle casm it shomld her siven ied. Aratel Water (9.w.) flammed with shgar amb cosence of lemons is ahog called lemantale.
Lemon-srass (Ambopergme srhurmenthess), : beremnial grass, it matise of Imdis, Arabia, de., three to four feet high, ithl jumseming a strons lemm like fragrance. in sumptial oil in ubtained from it whish is wen in perfmery. see dindss いll.

 16itl, livel thang the Iluron tribu of hatians, and
 mate him sempear te Lomguenil, and afterwards aloo de Chatemgnty. lis was for whm sears ceptain of Shatreal, amb dies in lime of his
 mdent, 'harlom, Baron de Lumponil, bas lum in
 He was made governor of Montrat and harm in
 ralony. He died at Montreal in low. Ilix Alencmindant, "harles Cobmer dipant, hand hia Camadian title of serenth liaron he lemgurail whicially remonimes ley the (guen in lswo. Luother som, Joselth, brime an ollieer in the French naty, ans in 1600 in homght bombls to

 coloniste tu lamisiantat, surveged its epast, and aided in capturing lemsatenda.
 1760, and colncated at Winchenter and Pamboke
 Ahinglon amal Exeler pramanachomb, bector of Meeth in Devmihice and of Newton- 'etnoek, and

 work of referne in Enolanl on andent mythomer, hiompapley. and pengraphy. Another work of Lemmieres was l'motsal liogreqhe: (lvos).

Lamur (Lat. fomer, "it ghont'), it gems whith has given its name to a large stemp of mammalo. the lemmrs. These animals alpear to stand betwepn the Insectivora am the ammkeys. Tho hathe with an opposalde thomb ix fashinned after that of the monkeys, bat in most struethat features the



ling-tailed Lemme ( Lo meter sutte).
 to the grap, indicates its position at the lishe of the l'timates. The Lemmers are forest-dwellers. and mainly noturmal in their hathts. They wan for the mont part realily tamed. One of the chief prints of interest ittachime to the ormp is its pern liar gengraphical distribution. By far the major ity of the gencrat are conlined to the inhand of Madat ghatar: a few forms are fomme in the orient, and on the A frien continent. Their range fom Malaty
 poned fomer exiture of a continent (for which the name 'Lemuria' ban propmed by Mr selater) connecting theme now witely splatem ragions. Undemberd remams of these animals hame hom ever, been fomal in Enrop num in Ameriet; thi-









 Nyeticelmo arre fome in Malay, atul the han in
 "ith the laneetivara, others with tha" ['agulatia.


 bad (lame were feared an calsolde in their night
joumers of exerting a malighant inthence mom mortals, The fortival called Iecmurit, was hell mo the eth, llth, ind listh of llay, and was aceollbamed with cerenemite of wahbing hames, throwing
 tion nine timen of these words: berone, you
 of their jower to harm. Whildereribe the Lemuria in the lifth lamok of hin Presti.

## Lemoria. sue fimere.

 menntains on the morth went shere of Lake latikil,
 to the town of Yibutak, where it is dat miles wiln, $^{2}$ then marth to the - lretie Ueem, inte which it fall? by weral month, inrmine a delta enomiles wide.

 Vilui (tam milen) on the left, and the Vitim
 on the right. Niwigation om the Lenit is omen from lakntak puath frem May till Getoher. Juring -pring the watels of the biver rewularly overtow their lamks. The lema is a primeipal artery of the trate of castem siburia. The river ine sime of the Vitime and Olekma yietts riehly in ghll : silt, coal, inno colper, and argentifermi lead pxiot. batrge quantities uif mambeth ivory bave then fomm in the delta. Se G. W. Nehille's In the Lever Deltu (1scis).

 was lum at l'zatal, near Temenvar in Hmusary,


 of life. Athombla man of deep feeling, and with a

 heplins to dime there the prate and rativiaction which her conld wot get in Europe : lint he retorned in the filtowing vall at still finther distppointed mate From thia time he linod altemately in Viomal and in statyort, in the latter city in elome intimasy with tha writer of the swahan selowl (Shhwall, kermer, Warer). On the ere of his
 insanily: he liom in an anylun at Oherolohling






 of the rich faney and forling. ath the hery tehup





Ledrlos. Nison mis ohe of thewe whatitetorn
 of the 17th eemtaty, Wit lien of gend family at Paris, lath Aay liald. Euch an al chald she wato romathabe for her lwaty and graed, she wat

 mond of hat and lively wit. It the age of tom



 more that one al at tille. Anteris her lowern we may mentinn har Hangio dr Gillareans, thr



WEress, the Whe d'Elliat, ant La Chatre. She hat two sons, hat mover showed in regat to them the shightest instine of maternity. The fate of
 mother, he followed the reat of the world, and conceived a passion fer lar. Whan she informed him of the redation that sulsisted between them, the unlatply sently was seised with lorror, and hew out his brains in a foenay of remomer-a calamity which did mot serionsly affect Nimm. She was mearly as velebrated for her matare as for hat branty. The mont repectable women emb then whidion to her homse to :urpuire tiale, style, joliteness sum great was her repatation that, when Gheen ('larintina of Swedno cathe tol'aris, she said she wished particularly to sinit the French. Voadems and Ninon de Lenelon. We may sather sme idea of hor wit and welne from the fart that harochefomathal emmalted lare mon his maxims, Molier. "Ien his romedies, and Scaram upon his romances.
 having preneverl some tuatins of her heanty athonst th the las. Mirecourt's Alemoines is is romanm: the letter attrihuted to her are mondy - parione, hat there in andice of her lether to sit Evammal in Sinte-benve' ridusties du Lundi. Sete alsu ('apetigues Ninon di homelus (laris, 1s64).

Lefleorath, a lansian seaturt on the Canpian seat 130 miles s. of bakin. In the viemity are


 pehintmic remata.


Lemding. sem boms.
Letmeld, a town of Rhenish Promaia, is mile: E. of Dusceflorf and! s. of limmen, with manu. fiature of cloth, iron, de. Popasti.

Lemllef. Iacor Vix, hon at Amaturdam,
 men the 'Walter sum of llollamd, The wan if
 Latinist and as a furch, he wan colneated for the hatr.
 reputation ion leatal howledg. let without nerforimp his examine pratien he for home that





 his muncome novels arveral (inchatinar The liese of
 lated into Foblish, fremeh, and farman. If. wrote much for the stion, (ramblated from byron

















 in latrie, lath lamaty lsit, the son of chatles

 ally，moreover，at fearlemen efomber of the fath． The boy was traly initiated into the stadies of his Life，at twenty earyiny all the prize in mamic－ maties of the Acalemie des Inveriptions with hi－

 amel his explorations be sontinmed，in the intervals of his work as sub lihnatian at the lastitate（Istie－ 72），amb profemar of Arehaonlong at the biablinthéjue
 broke down in（ababria from sheer over wotk， tegether with the edtecto of a wouml rexeeved when servimer ts a foluntere daring the sbewt of latio． He returned to l＇arintoriat－atrue martur to semence

 Lemormant．and＂Qrtainly mo man ever brought to the stmply ut the prat at ermater eomulination of exhatastive learnimer，wide grany of detail，：mal brilliant intnitom．With antearyinw ent hasiansm and


 hisury，amb hiblical antiguities：still．he has left belinil work of the ereateot intereat and value in theare widely diflerent tied．a．Div divination rather
 element in the lamenalore of the comediom inselip－ tions－－the Aceandian－was perhapo his wreatest rom－ tribation to wiense，bat it wamld las ditticalt to overgatare his e－ay on the propateation of the Pha－ nician alphalet，ibul hi－great amb hilliant emm－ structive work－me of the hest attempt evor mate to lentrpan the historical salere of the early lowks
 Lible（：3 volls．Inal at








Lenn．at town of franco，in the department of







 thother juint．lizary satrin of lemaos，howeret comphinated amb whateror he the matnal distane of the lonate，will，it the whald low centred on a
 frome at，wr an will aphere to prolure a virthal


 deviations：nhtmately therr i－a dostation whids















 at right anorles to whirh asis there are six char－

 their forms and mothal divatuens，lat whichatloo perent ectatn invatiable propertiex amb mothal relatioms．These six planes atre（1） 1 hat incinlental focal plane（ F ，dis． 1 ）（ $(2)$ the intinlemtal principal
 （4，5，and 6）the refuactional pincipal，modal，and iocal planes， $\mathrm{J}^{\prime}, \mathrm{N}$ ，and $\mathrm{V}^{\prime}$ ．＇l＂he princijal



Fis． 1.
converging from any，fonit on the incibuntal focal plane（proviled in this in in atl other cases that uo ray is so far from tha ands as to crive rive to phorical aberration）saseroe patallel wo whe another；comvernely，all ras－incilent jatiallel to one another emme 10 at feross at a porint in the
 pante，I＇，has an＂qual－nired inmare on the＂ther，l＂． Any ray aljeraringe on imedrence to matke for the point where one mabal phame，N，ants the axis，
 coming from the enrreopmolimp pint in the second nodal flane，N．lays arriving paralled to the axis jass on enoromo throngh the axial paint of thre fincal hathe $\mathrm{F}^{*}$ ：rays prasing throngh the corre－ somaline puint in plane 1 emerae paralled to the asin．These axial puints are the Fori of the lans－ －Solem．These propertion atre diayrammaticalls flowns，with exatigeration of the di－tatuces of the rats from the axis，in tir． 1 ．

In thic dianran the in fantes are remestented





eontmmen fractoms; the physical prineiple nombre lying thene is that the inater (real or virtmal) proslace? by one refracting surfate is titken its the abjert of the next, inn so on in succession until tha poxition and deviation of the emerasut rates is matalished. The fixed relations hetween the motual distames of there phanto are: $\mathrm{F}=$
 the ration lnetwern the redratetioe index of the timal and that of the mirinal mesham. "The batter $\mathfrak{i}$ preatly simplitied when, as in the ordinary ease, the limal and the riginal median are the satme (lens or telowenge in arir): ther $\mu=1$, atelt matal phatue

 ly lis. If we eome now to the simples core, that bif at simgle thick lean in air (fier. 3). the stambaral formabir, werording to this methom, are 11 - $\mu r r^{\prime}-(\mu-1) \operatorname{tr} /(\mu-1) ; .1 V^{\prime}=$ $\mu r^{\prime}-(\mu-1) r^{\prime} / \Delta(\mu-1) ; A V^{\prime}=-t r \dot{A}: A^{\prime} P^{\prime}=$
 stinula for $\dot{y}^{\prime} \mu\left(r^{\prime}-r\right)+(\mu-1) t_{i} \quad$ lı thear formalire is the ratios of the I sufface, measured towath the celttre athl towatio the rieltt: re that


Fig.

 imbex its compared with that of the sumpmaling umblinn (air) $=1$. Is an example. lot us apply these fommala th at liconvox lens of comatorlas, $\mu=1.200:$ leat the ridia ler $r=+t$ inclem at 1


 in The formolar. we ant $A \mathrm{~F}^{2}=-469$ inches: F

 AV = 0.2s: the pincipith plane is to the risht of d, invide the lam. $\mathrm{I}^{2}=-0+41$; the seromil
 The two prineifal patme ate therefore both inside the lens, 1 : 31 inels athat, and are motrer the mone

 bial pothe, in totinches, and thim is the forcel dis. fore or the bocal latheth uf the has: this, not the
 surtare if the leas. 'I'he t wa foceal listathees are





 of the Hatur- within the lems. If we tithe the ton

thin 4.

 $\left.r^{\prime}\right):(2)$ phan embex $\left(r=\right.$ infinty and $1 r=11: r^{\prime}$
negative : (3) convexopplate $\left(r+r^{\prime}=\right.$ intinity, $\left.1 r^{r}=0\right)$; (4) hiooncave $\left(r, r^{\prime}+1\right):(5)$ planoconeave $\left(r=\infty, r^{\prime}+\right):(6)$ enhearo-phant ( $r-$, $r x):(\sigma)$ eonvex menisen< $\left(r+, r^{\prime}+, r^{\prime}\right.$ promater
 ically grater than $r^{r}$ ) : (!) eomsexa-cometare $(r+$, $r^{\prime}+, r$ prater than $r^{\prime}$ ) : ( 10 ) conembatomex ( $r$ -$r^{\prime}-r^{\prime}$ momerieally grater than $r$-wa fimd, on riving tha proper signs to the repective terms in the stamard formulid ahove, that in lemses with it ilat face one of the primejpat patme comedes with the vertex of the ramed surfare; that in all domble contare and bratically in all domble convex lames the principal phanes are within the hons itself;
 enmex face motil the comeabe fare is flathened so fatr as to draw one of thenn upon the lens; and that in lomass 9 innd 10 the phames li" mataide the coneave suface matil its curvature interems so far as to draw the nearer flane into the lems. We aton lime that in all simple lemsen wheme edees are thinmer than their centres l'f is nowative (i.e. $\mathrm{l}^{\mathrm{F}}$ is to the left of $P$, and the lem makion panallel rays incident upan it t" comverge npon mons buint in the olpowite fueal prome: while in thiek-edereal
 flates lite in the order l' l'P'F, thom rays wheh were pratlel hefore incidrner heing divergent on emerewnet, and labling at conswe for if they had conte from same juint wn that foral plate which lios on the same sidn of the leas as the conree itself. When the incident rays are famallol to the axis and

 alparir to diverge fom the virtand formo of a thickenliged lens.

When the incident rats diverge from at pint mot
 puint elsewhere than on the secomi foral phanc.

lig. $\therefore$
 vorgent lems. A peacil fromat $X$ comverges on $\boldsymbol{X}^{\prime \prime}$ : the geonmetry of the ligure Mosys (by mimilar tri-
 1P or P'F", the foead lenerth, le writtom $f$, ind the dintances Sl ' and $\mathrm{S}^{\prime} \mathrm{l}^{\prime}$ be written d and $d^{\prime}$, then, mumerically, $f^{\prime}\left(1, d+1, d^{\prime}\right)=1$. F'ig. 6 ilhustrates


Fig. 6.
 $\left.\left.\boldsymbol{F}^{\prime \prime}\right|^{\prime} \mathbf{N}^{\prime \prime}\right|^{\prime \prime}-1$, or, momerically. $f / d-f / d^{\prime}=-1$.

These equations give, numerieally, the relations Inetwern d aid dy, the distances of the object $\lambda$ and the image $X^{\prime}$ respetively from the comernmal ing primeipal planes ${ }^{2}$ 'and $\mathrm{l}^{\prime}$. The seneral num. erical formata whol eowers these pelation is that if $d=A P$ and $d^{\prime}=\mathbf{N}^{\prime} \mathbf{P}^{\prime}$ aml $\mathrm{P}^{\prime}=\mathrm{V}^{\prime} \mathrm{F}^{\prime}=f, f$ leinger taken an mumerially negative in convergent and lusitive in livergent leneses, then

$$
\left.\left.f_{(a)}^{1}+1\right)^{1}\right)=-1 .
$$

If an object oecopy a plane pawing through $X$ at right angles to the exis, the comeaphoting image will (aherration atart ) le in at imilar phat pansing thruagh $\mathrm{S}^{\prime}$. Fia. 7 -hows rays from the points of an object pasing throngh the mond peints? and $\mathrm{P}^{\prime}$ and emerging pathel the thermer consec.


Fig. t .
The size of the imare in easily sepn to lee to that of the elpeet and $d^{\prime}$ is to d. In a convergent lens the imare of a dintant onjoct is inverted and mot : there is a real croming of rays in the imate and the real imare is formed shomed, as it were, in space, invisilhe from printe not in the poth of the rass; at screen of catri, of gromat glass, or of tivar japer may be farmana an conde with the real imare, Which then lemone vi-ible on the sereen: it the eye be removed to a suticient listame in the path of the rass the inverted real image in space itself becomes vishbe an an oljeet in shace between the lens and the olnerver, an inverted reprolnction of the original ohjoct a ame this inverted eops is, for all distanes between the object and the lensexceeding twice the fura length, smaller than the original objeet, and for all such distance, between twiee amb onee the foral lengeth it in reater than it. When the oljoet is phacel within the focal distance $f$ is leas thans $f$, and $f^{\prime}$ is thereture manor. ically negative; the image is rintum ; mo seren will at any place receive in image; lat the rays conne th the eye as if they han prometel from a lateer abject mow remote from the lens on the oriminal side of it: whence sach lenses are commondy employ as manifying glawer. Whenevel the image formed is a ral one the olperet and the image are interchangeahle: an objoct plawel in the peritim of the real imare will pronluce a real image on a sereen placel in the prition of the original object. A momprimon of tix. 6 with lige. F and 7 will show that the virtual imase formed by in liverem lens is smather that the object and i- met invertal
hat all thene eamo the lenses are supporl to have an atprevithle theknens. If, hawew, wr anmur that the thieknes is nequgible, the formaliongon almo are monlited by supprenim of all terme con
 $-r^{\prime}(\mu-1)\left(r^{*}-r\right)$, or $1 / f^{\prime}=-(\mu-1)\left(1,1 / \mu^{\prime}\right):$ anol $110=0$. Whener the pribeipal pham abatere and blent with the suriares : and the orthatry lensformake atre ohninem, in which fo the foreal distande, modns hali the distane letween the twe forat prints. The remblt is moly aproximate, as tho mumbical examphalreaty divenseal will show when treateol in this way: 'Therer $=+1$;

 foci is inferred tu he:9-6 inches; wheress we have previonsly see thin distan" (indmling l'l") to bo $10 \cdot 4$ inches. "n the assmption nuw mate, a lens is reversibe ; for in the formaliow find that
 signs, the result being the same. On siviar the proper signs and mumerical values to $r$ and $r$ in the simplitied fommata, it is casy to arive at the mumerical value of $f$ for a lans of any form: if $f$ be negative, the lems is converght (flimedered): if positive, it is divergent. Then, $f$ having luest fomm, the relation hetween $f, d$, and $a^{\prime \prime}$ "an lan tombly giving $d$ and $f$ their proper signs and mumerical values in the general entuation $f / d+f /{ }^{\prime \prime}$ $=-1$. If we timal $f^{\prime}$ negative we infer a virtuat if pontive a roal image. For mample, a monnghas lems $(\mu=1: 100)$, hiconcave: $r=-4$ implus: $r^{\prime}=4 ; 1 f=-(1 \pi-1)\left(\begin{array}{c}1 \\ -4\end{array}-\frac{1}{4}\right)=+\frac{1}{4}: f=$ +4 , a divergent loss. (Hand at dintamer, say, $d=194$ inches $; \therefore d^{\prime}=-190^{\circ} 00=-392$ inches ${ }^{\circ}:$ virtual bume, amaller than the oljeet in the ratio of 392 to 196 , of one to fifty. Again, a simila lens. hat biconvex; $r=4 ; r^{\prime}=-4 ; \therefore f=-4$ incher, a comergent lens. Tat the objeet lie at 204 inches: $d=204: f=-4 ; \therefore l^{\prime}=4$ of inches - a mat matre, smaller in the ratio of 405 to 20.1 , or one to fifts. Let the objeet he at $d=3 \frac{1}{2}$ intlens: $\therefore d^{\prime}=-28$ anl the inare is virtual, enlarged in the ratio of $25 / 312$, or eightoln, ly the nse of the lens as at magnifying ghas. The neater the object to the fing the greater the enlargement. To make the imat equal in size to the oljeet, $d$ must he equal th ${ }^{[ }$: then $-f / d+-f_{l}^{\prime} l=-1=-9 / d$; ant $d^{\prime}=d=$ $\because f$. With a convergent lemo aljuat the positims an that the objoct and itw imase nin a sereen are of the same size ; then they are at a distance of fom times the fooat lemeth fron each other. In this way, neglecting the thickness, the foeal length of is comvergent lens mave be asertamel. It may aloo be ascertamed hy mpans of an object (apider-thearls or a piace of mulin), aml at temente fuensad for a mery distant mbeet; direct the theseme townats the sider threals: intepmee the lens to bee a amined; slift it until the ypder-theato are dis. tinetly sen in the telesenge; the shinter-threal: are then in the forens of the lens, which eanses the ray from than to pass paralle into the telesempe. A divergent lens hat it foed harth meanumed hy conjoininer it with a convergent ones, whirh mentratises or werbalances its cthert: if - 1 10 e the fueal length of the convergent comination, - $f$ that of the convergent lens, aml $f^{\prime \prime}$ (monnewn) that of the rivergent lens, $-\frac{1}{f} \frac{1}{f}=\frac{1}{f}$; the deriat
 its foral longth, and the erpation states the por fustion that the whaterere produre by the ome. thgether with thr diversumernthed by the tother, is equal to the commergene produced by the combination.

When the light from an objort is mixerd the refractive index $\mu$ difliers for cad colonr ; the dix tance of the image is difforent for each onectral
 une another, the violet in front and the red behisht: these lehimb and laren and werlap, and farefore

 aberation imbons of (wo merp cobors, sity the

 mones of watedength by combining a emma ghas equergent of excesive jower with a thint
 that the spertal di-prraon proluced by the we

## LENTIL

is compensated ly the re-eombination produced ing the othor ; lint, since in the twomaterials the re. fractions and di-proions are not proportional to one another, there remains a lalame of deviation arcomplished without chromitie alisperaion. New. ton thomorht lispersion and deviation to be always proportional to one another, :und athromation therofore impossible: Ib. IIall in 17:33 fomme this not to he so, amd male iuhromatio lenses, but did
 introhneal ixhromatic lenses. When two colanrs are indormatined there is still somme elomomatic aberatiom as remarls thes rest ; to briner a meater number of colones to the sane focus reguires a wreater bumber of refacting surfaces.

In all ila procoliner it hat lieen asumbed that the lenses arm normo, or that the perncile of rass tall on the centre of the tare. and that the olbjects are small. When the object is viewed he the lans under a whbe ansla a plane objeet rives an ellip-

 a flane eroent and whinge rass fail to comberge npon precin printa, aml hemen, paen on a areen so curvel as tura+ive thr obligue penojls of rays when at thar erratest comentration, the imaie will not low "rnally distinct all ower. Further (-pherical aberation), if the lens he tio wides or its comature fon emonilerable, the rass falline on ditherent \%omb of the lens ares, at were, revelvel hy priame of diflipent angle; those imolilent on exterior zomen are more sharply refracted than thowe nearer the axis, and their foens lico at a point some dintance momb the lens than the mometrical foums (lmotmbinal aberation), and the imate is thas diatortol, so that the image of at stane ofigoce formed by a bingle eonsex lens appeats to be diawn ont at the rommers, and that formod by a concave lens apjears to laye its commers mpurezed in ; hesines which there is haring, for phode incilent near the edowe hawe their ford not exem on the axio, hat slant of it. To remedy thene defecta. whith rannot all be ilnmanhly dealt with at the same time, valmas "aplanatic "eombimations of lenses of ditherent earvatures hase to he emploged to bailal np' a compumal 'entuivalent lens:' and these commbinatioms have to he alapted to dhe bationlar pur pose for whinh the lenasystem is to lee ured (see I'arkinsums and Combinetom's optios). 'The property of roframbing linhtrays possessed by lenses neressably applies also to heat aml antinic rays;

 afocols at the jrinaljal heat focus of the lenal and photombuhic lonspos. The heat furms is smmewhat farther, tha actinio forme sumewhat nomer to tho

 atheration, the vinal and the actinie forms are, in the last rase, mable to comedide.




 miformity - onde fisterl mo day, whers two: lint

 bith rentury have rommencerl their alistinence form meat (n) flo Jomlity in sexaternma work, and

 Anmanciation tuming daluctal. In the Wiat nuly Smalays wor womper from the fat, whill sume




days, on which the fiat is nut observed) forty dear daysintervene. The rigonr of the anciont diservance, which exolmhed all llesh, amd even the socalled 'white meats, is mow mush relased ; but the principle of jormitting lat one meal, with a slight refection or collation, is everywhere retained. In the Anglican chureh Jent in retationd as a church seaton of the ealendar, with suecial services, and proprr mollects and juatros: lut the ohepryance of the fast is left tu the diacretion of


Lentliall. WHLILM (1591-1662), harrister, was hom in llenleg, entored sit Alhan llall, wemer, and was Speaker of the Loner Parliamont ( $1640-53$ ). Ile wite arain male Speaker in 16.54 , and in 1650


Lentilulariancear a natural order of exurenuns plants, alliod to l'rimmacear. It ham abo intimate relations with Serophulariacea. It eontains nearly 200 known rpecies, all herbaceons. amb all liviug in water or mandus. They ahound whefly in the tropics. A few suedes of bataher
 ( 1 v.) aro its only representatives in britain.

## 

Lentil (E゙rrum /iかn), an ammal plant belonoing to the natmal wher Leguminomat. It is a mative of the eomatries limmering on the Dediterranean, and has bern roltivated from the rery marliest times. In Eerypt and syria it is still mate into fontares amb another fiavourite morle of eooking it in those comntries is ley parching it in a fryingeran. 'The lentil is extensively coltivated in the wammer parts of Germany, lirance and the
 to some extent in Asia. 'The llindus, in common with the lisybtians, regard it as the hest fond on which to bindertake long jommeys or lathorions work. l'lour of lentils is highly motritions and contains, accombing to Plapiair, mome nithombons matter than any uther edible legmmimons jlant. Einhonl fomm in $38 \pm 0$ parto of lentils labio parts starel and ita3 parts amalogons to animal matter. Tha fools known as Recelente armbere and hirereTontre worbere (words compmonded of tho botanical namo of lentil) are simply seccially preprated forms of the thonr of lamils, in no way suprior to the owlin. ary thone whith van lie mindharid at greatly fess prices. Diseil with peat in the making of leatands, lemtils diminish the tembers to Hatulemor, and lemtil amp is mucla wteensa! by regetarians and nilem in lritain. liy lamatan (athalier lentils are eatern durmg Lant, lwtlt in amin amt in the form of hani. cont. ato a shlstitute for thon fome. 'I'her lantil is a watk, atrotulimg flant, marely everding is inehos hieh, wftol mach mone lwatiol, hatring pinnate latars wrminatiner in tomblils The flowers are white,
 atud formed like thone


Léntil. of a proi. 'lhare are three sarintion of lemtil rewornised in the canatries in whichit iv coltivaliml: the small hown, which is
the lightest thavared and the hest estermed for somprend harions; the yellow satets, wheh is slizhty larer : and the lentil of l'rovence which has seeds as limge as a small peat, but is letter apmeriated an folder for catule than for the gatin as food for man. It hat luen frequently shrgented that lentil might he grown as an agricultural erop in Britain, and its cultivation has hem attempted, hat withont anceres, nut wimald fom aleficiency of wamth as from exces of atmopheric moture. It is sown at the rate of alumt $1 \frac{1}{3}$ hislel per arre, and its coltivation and harvesting are similar to those of the Tare (l. . .), to which it is related. The produce in grain is fully a fourth lew than that of the tare amd in repiect of straw it dem not yielh a third of the wainht of that "ropl. The" grain. lowever, on the cimtinent sells at twise the pire of peats.

Lentini, a town of sidily, stands east of Lake Lemini, near the site of the ancient Lementini, 1: milex hy rails. ly W. of "atamia. Pop. 12,740.
Leo. the tith sign of the Zontiac ( $\mathrm{I}, \mathrm{v}$, ).
Laco. the name of thinteen amoms the popes of the ' foman C'athenic Chureln, of whom the followin!
 'Sreat." who in held a saint of the lemum Catholic Church. and is me of the most cminent of the Latin Fathem, wan lum of a distimgnished family at liome ahmo the enl of the thl tentury. On the death of sixtms 111. in 440 Lew was chosen as his succeron. It is in his pontificate that the resular serien of patal leters and decretals may be safil to emmmence. Leos letters, adresed to all barts of the church. exhitht podigiom activity and zeal, and are 11 and he limman controversialists an ath evilence of tha extent of the juriseliction of the Limman ree. la a tomacil hell at lame in 49 ) he set atide the proceding- of the Comed of Ephesm,
 summoned it new conmoll at chaldedm, in whirh his lerates perided. and in which Levis celehrated -1 hogmationl Letter was aceppted as the raice of Peter.' He interpord with Attila (r.v.) in defence of the Koman city and people, and mberpmotly
 IIf worke, the mont impertant of which are his Letters ant semons. Wrow list printel in 1499,
 Int much hetter edinom are thon of Cacciari (17.03-5) and batlerini (180). See luok las


The juntificate of Len llt, i- whetly noticerable a- the phe la the formal mablinment of the
 and succerded Hadrian I. in 7 :as. harine the
 throngh the fractioal withdramal if the Eatarin

 of lepin. and phated wind the protectorate of the Framk soverian, who meoted the tithe wi

 vilumer, and oblizel ta fle to Slubta, whome ha ationsaras repatiol to l'alembn, in order to hold


 hina were senterneel to hationment. In the follow.


 over the limata rity and state was formally cotill. liolen, nulder the sharainty, bowner, of the eme.
 cont at dix-lathagelle. With 'harlmames
-uccenna, Louis be Dolomaite, Lew was embubian in a lispute alout the finht of saremisn junislic. tion in fonme, which hat mot hem hromigt to a emelnsinn when beodien in slli.
Leot X., Viowami de Medici, the seemol son of Lomenzo the Magnitiont, wats lum at F"loreme in December latio. From his ramble for was
 tion wats entrusted to the alblent selublars of the asp: and thrombla induence of hin father
 at the umpeedented age of thirton veas, in 145s. In the expulsion of the Dedint from Flor ence, after the deatl of Loremzo. the romus. caminal was inelmet, and he nsed the necanom an an opportmity for foreign travel. He was em. phened is lesfate hy Julius II. : and duming the wat with tha frencl 'he was tathen piomer in the hattle of havema, hat wom aftemand e eflerend hiv espape. On the death wif lulins 11 , in lisis, Cindinal te Modied was chomen pere at the early ase of hirty seven, under the nane of Lea X . Ilifirst appointument of the two great selumbis bemba and Siuloleto ats his servetimes wat at plenge of the favour towath leaming which wate the chatra" teristice of his pantificate: lint he did the newect the more material interats of the chmels and the Koman see the bomglt th a moco-ful ennelu-
 and the schisu which was threatened by the rival Commil of lisa. He conthuled a comordat with Franeis I. of France, which contimed torenulate the French charch till the lievohtion. lat the palitical relations of the lioman see $h_{10}$ cmmondidated and. in some degree, extembed the re-tompluesto of his watike predecesar, Julins. II., alt homeh healow ured his pusition and his influme for the chatranlive ment of his family. His denertim of the alliance of Prameis I. for that of his rival, chard- V... although the suliject of macheriticion, wath lictate.il ly a ammd comsideration of the intresto of lats. Bint it is most of all an a patron of learnime and art that the reportation of hen has lived with proterits. Ihmarli a schalar, he lon ed leaming for
 of all the eholats of laty aml the worl. It
 a direek press, which hat embowed mmitiacenty (sey.
 no leos maniticont. l'aintins, somptore, architer
 ject for the remilding of it leter- and to the stel to which be hat terourse for pochring the necerans fund-his formittine the praching of an imhl Lente one of the contitions of whanimg which wan the contribution to this work that the lise riat of the licemmation in dombay is anrilnol. In. himendi setme to hate regatided the mandment an
 anomy the friat: ; and thond he contemmen
 -im to impuire int" his ductinge, his meaturn


 fout in his motal comber he mantaine al atrint propriets, ami his charawter, althmal mat free from the stan of menotiom, the siove of that an".






 no adill reasem for the stingidion.


J.onis . I. Regeste (1sint et seq.): lianke, Mixton'll of the
 I reinlan, Mistory of the I'unely during the I'erad of the lidurmathon (vols, iii, v. lasi-9l).

LEA SIll., thr essth Limman protiff, whs born
 2] Mareh lxaly. Elucated tirst at the domat
 liomanos, he fromeded to the C'ullese of Noble licelesiastios. In whetly signalised limaself in
 for mataimed a publie mivprtation in the last.


 Hasing hedume lowero of Laths, he was appointed lis from dimeny XVI, a domestic prelate ind lieferembas of the sewnatura in lsoz. De then lamb tuly molers, reasised from the pope the litle of pothonotary aluntolic, and was appointed in surcessim anomotic dolewate at benevento,
 minintmator, ant while at lanervito phet a stop
 Is43. Jhe was ramated arehhislon bif Damietta to puatify him for the otliee. Three reas later he

 a cadimal ly louk 1 X . Ite was a member of several of thi comgregations of eaminals-inthat. ing these of the council of lites and of lishops
 solected by the jope to bill the ollice of Cambimal Camerlengo of the IJoly Joman 'hnoch. In that impurtant tepacity he han rontral of all business
 1N. in 1sis Camlinal prodi was elected as the representative of the Nomerates. Jle axammerl the tille of Lee Xlll., and atoped an olvenite pmicy to that of his predectesnir. He restored the hiswarehy in Sentiand, and compunel the redigions dillumalty with dirmatny, oo that when a dixpute arowe in lson. leoween darmany ami Spain as to the ownership of the Cambine ]shads her wate requested hy l'rince biomanely to ate ats arhitrator. In politioal matters laeo lath permittor the Irish lishops to imbulare theib own views. In May 188s the pope issmed a decree de-

 in many direvtions, hat mo yoestoms afferting the -hmed amd lise won status as jumtiti be hats leeld








 the fiench momatrohist to ateetpt the repulatic,







 ut his priesilomol in las. In late lan ishand an torsclaral ponmonoing Angliean orters mall and いil.






LaO III..' 'the Lsaturian, ruler ( $715-41$ ) of the Byantine limplise (ıふ.).

 at the elone of the listlo century mate extomsive travels in northem Africa and Asia Minm. Fialling into the hamls of pirates, he was sent to lome, and accepted (Chixtianity: lint aftrmatas lie winmed to lis ohl faitlo. Ile loft an aceonit of his African travels in lahian, which, first printed by Kammoio in 1.5.59, was for lones the chief some of infommation an to the somdin.

Ieobsehiitz, a town in lrnsoim Silesia, of miles ly rail NW. of latibor, hat large commuliess. ['op. (18.5) 11,425 ; (1805) 12,604.

Lowelatres. one of thre mose distinguislied arulptors of tle Attic selmon of the the centmory
 the scolputares on the west side of the Maneoleum (y.v.). He was one of the privileged atists who wore permitted to make jortrato of Alexamber the Gireat. Thare matues of \%anas are kimonn to have besn executed by lim. llis ' (anymede carried off by atn Eagle was fanoma thongront the ameipht worlal. In collabomation with lapipus le [rownced acobosal] eronp in bronze, which represented Alrxander at a lion-lant, while he himself was rownomble for chryelephantine statues of Ateander amd his family. The worlis of Leochames are all lom, but there is a eop of the lansmedre in the Vatican: amb a lont of Jlexamer may le a ropy of one of his.

## 

Leonilinstar (pronommeed Lemster), ilmarket. town wif Ileremalime, on the long, I: miles N. of llereforl. A momstery was fommed hore in biss ; ami the line choreh of a later priony presents every styb from Noman to lerpembiculat. It was rentorad ly Sir (i. (i. Seott in 1866, mal enlarged in ls?a. The phaint ond timber batter (ross (1633) wat in 1585 transfared to a mew site to make rom for an latian fown-hatl: there is also a conn exphange (1850). Lather glowes are the staple manufature, and there is aromat trate in loper and eider. Inmomamed as a momieipal
 retmand two members, abl till lshi me. Pop.
 tories ly l'rice ( 170.3 ) and Townsend ( 1863 ).

LeOn, ata ament hingelon of Span, equivalent Fenerally to the mondern porimes of leon,
 wats the warliest Christian himglom, next after Asturias, to le formed in thain, after the Nominh
 the Joth rentury, and waw materl with Castile lirst ly Femlinams the from in $10: 37$, and limally in 1iso. The monlem frovine has an area of $616 a$
 which is inturateded hey the Jouro ami the Niatho, is monutainoms, labing invaldin on the north bey the ('antathian! Mommtans. 'Tles soil is sonerally fertile. 'Ihe inhathitats are for the most part umeducatmi and lass, bat homomabla, homitathle,
 toms, aml all tho pribe of purn Sianish hescent.


 poxal to be deacmdante of the Celtilneri, the Visiaroths, or the Monrs.-Leon is aliso the natme of a part of lintatav.

Laoll (the Lequen witima grmime of the liomans), -apital of the former kinerfom and of the modern


by rail NVI of Madrid. The bantimu nathedral (c. llatishe), a suecmen of the puret Baty Pointent, is French in ahamater atm probahly in origin, hut was on much 'restoreld durine hat si that it is hame to sily what is ohl and what monlem: it rontains the tombe of many somereiges of bon, saints, amel martyrs ham is the rentre
 hrated homer-fair: it was fomerly the chief seat of


Leon, a eity of Nimamat, an all extmone platin, 路 miles hy rail ( corimlo. Once the bast af shaninh Amerian, formbed at the heal of hake Manarna in liow. removed hither in 6610 , and sacked hy hamper in 16sis, it is now partly in minc, and of its nohbo buidinges only the chumenew rman. The massive cathertral has buen several times employed as a citalel durine the rivil ware, but has sutlered very little. Pob, inchating the contignons matian


Leoll, luxce he Gee lonce ine Leons.
Leonardo da Vinci, paintor. senppor, arehi. tert, and enginerr. was hom in ling, at V'imei, a villase in the Val dimbe, hotween Pisa and Fhorence, the natural son of Sir liper Antonio ta Vimei, notary to the signuris of rimrence. Ilimother, named Caterina. afterwards married at villager of Vinei. Ite was edueated in his father's honee, and som heman to she signs of that bright and versatide winc wheh distingnished him through lifes. In a chind he was exuecially remarkable for howitule for arthmetic, and for
 plamet ho his father in the -thulio of Ambea ind Farrocelion by whom has instructel in paintiner and moblling, and whe he had l'erngino and Lerenze il Geali as follow-pipils. So rapid wahis prosess that beforener he beran to take part in the promurtion of his matime pirtures. and his
 of our Larl, in tha Andminy at Forence. In 142 his name apmars in the fonsto of the guild of painters as an imbermbont arti-t, and le was patronised hy Lorenza de Medini. Mic eartoon of "The Fall, mentional hy Yari as domimed for tapestry, has disapuateil ; imboul uf his work of this perionl, whid indmber varions mate himen and terra-cotta heak, all that mow momins is ath matimished ranvas of 'The . .horation of the Kinges, in the ["lliza, and a kurelime ligure of 'st Jerme. in the Vatiran.

He wonla apmear to have hern abuat twenty-eifht whon he visited the leat, urving ts engineer to the: sultan of 'Balylom or Camo, amb visting
 he wotted in Milan, and attarhed himedi to Lambion Sforza, then ;nambian of his nephew the buke dian liabaza, whom lat aftorwarls onju. phanter. An antoraph monorambin, intended for punantation to his patrm, still wints, in which,
 twe thal enciner, he combludes, I "an exemte
 wotta: alon in paintine 1 eath do as moll as a
 his realimes to nulartake the vecoution of a hronze


 exi-t in the rexal wollowtion at Windar. Tlue



 still rexisted in 1.0n, but -imen then all tame of the wirk has been liot.

Durime the progren of thi-stathe lamande wat ako enciagel umen at picture which, even in it fresent bated and dilaphifated combition, remainthe bast monmment of his winme and on of the masterpiectes of the worlit. This is the famme "Last אulyer," momimioned jointly hy the Thlar and the mombs of Nanta Maria mellie Gazide to he painted om a wall of the reiedory of the coment. It was completes in liss, hat its axemition prots. ably extemid wer sesemal probins year. Banleflo, in one of his nowes, has pisen us it visil
 ablapert: of the hashed wions of the monks amb their viotors as they watcheol the limey figmo painting there fom early lasn, wholy alsmbel in his pmsnit, amb formetting exn to cat: and of how the artist womblometimes lave the mometel fixure of Pranceseo whidh be was mondling in the ritalel and return to the convent by the shomtent way, merely that he might adta to his ficture a single tomeli or two. The moment of his a homen same nom whil! the panter has mized is that
 If yom shall batray me, and their eflece mon the disciples is pertrayed with the mon delicate and subtle toth. Thate is an elathate dexeription and critionom of the work fom tha pen of decthe The after-history of the ' hast supper' is a sat one Wwing to the dampess of the wall, and to. the method of mif-pantime-not freser upon flaster that hal hem aldipted, it sonn bowed fige of lebrionation, and it has repeatedly beron fommal meresary tor repaint it : yet atill, through all the retonching of others, the frofoms fereline and disnitied compesition of the mastor do not fail to assert themselves. Ilis setrhes for valions of itparts still exist at Windsur, in the lipera (iallory at Milan, and in the Lonve. it has lum wary fre fuently copied, and it was chicfly from a drawing male ly lateini from the eroy ly Waren dogrimo that liaphate Momben exemtad his celethateol line-engraving. bublithel in wim.

Amons other bainting done in hilan were
 mitresacs of the dake, whilis that mamot now lie infontifed, thoug ba belle Ferromiore' if the hombe has lwen regated hy whe as the fommer likemess. The inthenere of Lomardu upm atr in Milan was "leaty maked and lastine, for ha. fomded an acedmy thete in whind ladratho and
 tion : and the great Sernardino Luini, whether ur not lat actually atbided moder the mitater, certams
 characteristics of his methom. Leminado was alon much employed ly his patron ats ath "mem. It

 comer fentitios anil pagents.
 vios in lam Lamath retimed to flamere, and las

 in which pablety he was "moustol with the mow ample athority: heombo of his work dminer thi-
 at Winkser. In the following wear her retmand th Ftomace when he commened at Malomit and rhild wiht st dum for the sorite monks, :
 now in the biphona datle Ty of the lingal A anderns Lamaton, was manderal.






tion- Vichand Angedoclowe a mhene of soldien -umprind while bathing. atn incident from the
 with "llhe liatito of Anshiari, Itio, in which the Florentinn vampinhed the amine of Niban. Jwo rears wre spent in the furpatation of his catomen:
 the plaster prohnibly with was-whioh juwad a








 antarablalorine fona yeara-a work puraliacid by

 nost sehlom in tho artiot womk. hat daskered with imes, but still the jubture rematime atrinmpla of






 Lacour ila lomborms. dharlanlizjo, and the arol tor lambinelli all pmotital by his example.
'Ther tiall perion of bronastose lifo was spent in
 and in thr same jeat lie was employed los Iomi Sll.. who dime in lolio. when lanatio wes in

 somor fromel limer francin 1. hosowed on him,

 tmboine: alll it wat liple that tho areat artist


 in the Nationat fallory, Landon, of which a vary








 ship, of his mobility of aty atmil commanme over




 him hand that laver rowhod us latt ho may lixo
 time of theme are promerved in the Ambersian Sibmar, Wiban: the lomome lanis: the lowal










 portratit of him that smaves is the moble heambed limarl in the Jioyal libmars, 'limin, a wol rhalk suming by hi* aiva latml.

The voluminoms mannecripts of beonardo, witten from right to left-for the painter was left-handed-and evancing his profound restarch in almost every branch of science, are preservel at Paris, Milan, Windsor, in the lritish Musemu, in the south Kensington Musemm, ant at Hakham. S'e Kichter's Sithrary

 Forks (1-7t) : the fac-simile reproduction of his mann-




Leonlortre is walled ficilian town, 49 miles


Leoni. LEONE ( 1.009 on ), crohlimith, molallist,
 and Datrid, and was the rival of Vensemmto $\mathrm{f}^{\prime}$ ellini in talent, in vire, and in violence. Sne the momo.


 ahont 491 JBr . When the l'ersiam monarels Serves apmonehed with an immenmer anmy Leonitlas apposed hime at thr namm pats of 'Jhemopula
 more than atorimailiaris. The lomalas attempted in vain 10 win ower laminas ly the jromise of making him rular of the whole of direree; anel whon derxes semt a homald ealling the firoobs to bas down their arms, the Fipartan answored: ' Lat bime conne and take them." "The treathery of one Ebhattes hasimat male it imponille fo lar any
 little hame, hains rent away the amxiliay fore thew flamadven on the swimming moriads, and folmal al heraie death.

## 

Leollins Verses. irrocular forms of latin verse which arone in the mallle ages moler the inthesere of the minstrels, whatyplied the areonthal sytem of vere to latin in deliance of quantity 'Ther were naed for ejpismans, satimes, and also for
 ivel ill Linape by the end of tho llati anturs.



 Hime to Jfonimms, a canom of the chareh of St Viotor, in laris. abont the midhle of the leth contury, or, as others sity, fo Poper lear Il., who Was a lown and impore of monis. The finest
 Mandi of Pirmard of Mordais. I familian example is $t_{11^{2}}$ contulet:


Another is the fammo ematila of leme in the


Tratere of this kimb of vosilicatime :unpar liere


 Als example form (lat is


 the dew who, habing fallon into a reforejit on
 his kildhath, while Ahe (lariotian, whan oflered him
 Wa, his, buns thas in Leonine verar:




We lime the same motriad device omplowed in many Kinglish poems, as in sheiley's ('/oml.

Leontius of ISyzantinm, a monk whate ageint varmos heresies in the bth century. There is a monorap h om him (in (seman) ly Latis (1587).

Leopard (Feris purdus), one wi the larger
 inlential with the panher. ireat wominion has prevailed in the nomenclature: the puenth. $r$ and pertalis of the ancients are not certainly linown:
 by bullom; the puma is nfon ablled pather in Americat the lenturd in lonown the name ni


Lerpard (Fidis purdeles).
 it i by mintake uften called cheetah in ceylon. The leopard is at home in diria. from Algeria to Cape Colny : it i- alou fomb in Laia. from Pates tine thrustr central A-ia to Manchuria. The
 attribute from the panther, wave it the name on the smplo-ition that it was a hylitit lyetween the lion (lee) :und the patil or panther (purthes): as the giratle or eameloplard was thought to he a lyy hid of the camel and the pord.
supposing the hopumant banthom to be species. We may deariber it an charatorised he a peculiar gracefulmes. Apmlemes and ilexilility of form, with a very lomg tail, and futtel fur, the Sput hater arrangen in numeron- rows along the siles, and each sut cenupsed of tive or six smatl synt-arrangen in a circle or rosette. The generat colaur is vellowish; the lawer partis lighere the sput- datior than the genemal abour of the firs. A loluck variety is hown which is mot a di-kind opecto. The latpond is pxtrentely anile and
 elimbing troes in preat perfection. It hannts.
 region- of long pras, like the tiger. bear and antelopuan it hahitual prey ; hut it i- equatly
 may low fomblin the vienity of a farm or villase.
 dangerone to man ata any of the Fetilier: lat it


 puet rif moplern Italy was beris at heamati, in the
 ware noble : lyt both were jows. Tha emblitions of Deapardi- warly lif, were wertainly monngenisa, thondi li- inherited teraluer dispumed him torevas gerate eversthins lintasteful to hiw own instime Ilis fathor had the puedilactions of as aholar: lout in religiom and politiox he was at wationars. ant in the manamenent of his fanily movin. pathetio athe arlitrary. Fions the lime there
was no real bond of sympathy between fathor and som, and the mother, thongh kinily and conschontions- in the disehatge of her duties, fors

 realer: and hí faculty of actuixition ean lio compared only to that of the gounser sealiser. By the age of sixteen he hatl real throngh all the fatin and (ireek davsics, and could write with acomaty Froneh, panith, Emslish, and Hebrew. That ho alow read with insight is proved loy the fact that at -ixteen he wrote a ammantary on Plotimas. of which sainte-buve combly what ofte who hat stulied Plotinus all his lifo could lim: momething aseful in this work of a bey.

Leppardi was unhaply at home; amb, romacionsof his own extramolinaty gifts, he eagery desimed to dixit liome, whene he haped to find the inteal worlh of the scholar ant man of letters. firom anorientims thomg getty acruples, hiv father lang "plueat this wish : lut at length, in the samgely mistaken lame that ( iacomo misht at home lee led to enter the church (for which har had beph originally intempel), be fave his permision (1820) A
 ithosim, whish gave the linal hemt to his fumbamenial views of life. It was the time, it i- whe tememlered, when Italy was demomadied lis the Freneld donination : and in Rente iterli that tome ever of the hent maiety was despeably. An acopaintance with Nielmhr imel linnen, both of whan sume of him as a prowigy, was almont the sole redeeninfe expericnce in the capital of Italy. It "ats with feeling of relief, therefire, that in lad he retmoed to hecamati. For the next ten veare, partly of chom, but abo laremy of necessity, he dewot himelf to literature. From hi- carlinat days he had hom of feeble inn sickly com-titution, and as he grow alder his ill Jealth lemane more frequent and wermantering. Is a condiment invalil. le lived ancemively in bongha. Flatene, Silan, and Pisa, and finally quitted Recamati in 1830. In 1s33 he accompaniend hio devoted friend lianieri to his honse in Naples, and there in con-
 lived till lis3. Ite died on the 1 the of dme in that year.

Lempardi clams recosenition at once as ar mholar, a juct, and a thinkpr. Thad his health promitted, and had he so ehomen to devote hi- powers. there fan he na question that ho womblaw taken his flue in the fromt rank of the malento or antipuity. Immerliately suberouent to lan leath the original profuctions of Lengati wete darod with the hiohert creative whate the wond hate reen. Hin

 comparel for arininality and bwar with the writ inge of Pamal, the writer whon, he at bant nut closely resemble in tome of minll as well as in physeal comstitution. As a fuet it was anoman that D:ate abow of all the Italians was hisernal
 yars, howner, a dume mber mimate has hem formed of Leengardi: clamo hoth as a buet and thimker. It is mow growally recogned that his narrow rane of smpathy amb the comatially




 nature ar woll an of his reammed conviction. The
 peets hemide Lapardi ; lot it rmainel for him
 the first and lase worl of which is the soid and mothingac.

## LEPROSY

The works of Lequardi were edoted m intis at florence by flameri in six volumes．The most noteworthy of his writmgs are，in poetry，his Cante sand Cunzmi，and a piece entitled Contimation of the Battle of the Frogs and Hice ；＇and，in prose，the Dialogues and Essays classiod moler the title Opretle Moruli．Jtis Essays and Dia－ lognes were transiated into English by （ harles Edwardos in LS＇ㄹ，his loems ly Frederick Townsent in 1sist．Sio Cladstmes chleanings，vol．ii．；Sante－Beuve，Portmots． Gontemporains，tom．iii．；aml Antoma－Traversi，stuedj sul Fincomo Leopurdi（Naples，lNisi）．
Leopold I．．king of the ledmians，son of Francix，
 was hom at Cohure on beth Deembler 1 Zam．．Ifter receiving an exadment litery and scientife edn－ cation，he hecanp a meneral in the linsian arme， and was prespat an the hattles of Liitzen，Pantzen， and leiprig．Whist on at visit to Bimgand aftor the perace of ssia hat won the affertions of the
 mamiol her，ant wat maturalised loy act of parlia－ ment in 1816．The princess died in 1s17：and lempold twelve yours later married morgantionally Carolime Bater（q．w．）．Lle rewived in Fehnary 1s：0）the ofler of the rown of ritece，accepted it mader conditions，hat aholicated in May．In hane 14：3］le was electel king of the biblecianc，amb

 and monleration，with constant regand to the prin－ eiples of the lielpian constitution．Lle dion $10 \mathrm{~h}_{2}$ Dermber latio，amb was sucoreded ly his nom， Lenpald 11．See lelation，Coxta．

## Lapold，Pmive see hosas．

Lepage．See listiex－lephem．
Lapsinto（anc．Nи＂pectus），now called by
 and the seat of a hi－lop，is sithatel on the north site of the entance to the Cinli af Ciminth． Buring the ferformue－ian war it wat one of the chiot nival stations of the Athenians．In the midule ares it was givon by the legantine compror to tha Yenctian，whe fortified it on atromsthat in 187 it stomed is sieqe of four month hos 30,010 Turks，and in 1 de9 was only taken by bajow 11. at the heal of $1.8,0$ ，men．Now Lepanto ters phace the eeneluater naval hatthi hetween the Turks
 of the Yemetians and the Spamiads．on ther other．



 were captured，and lo，onnchatian aves liburatorl； the Christiam lost some wen and 1.5 erallers．lit this hatt．Cervantos low ath alm．The 1 ann leratue direr in 14？
LEDCOE See VIVE．
 which werms in Calamiferms and I＇per beronian strata．Several sperime are terogisme，most of whid attained a burge size－ 40 or 50 fret ham and more that 4 fert in dianefer．＇They were trmelik．
 lowergwing elubr－momes of our montation．＇The＇
 athl was mither rowered with linear one nerveil hoives，or where thew hith fithen was mathen with mare ar lens prominnt wate on lazengershayd leaf wars，arrangen in it spal manner．Tho froits， whith were either terminal or hatral，wirn anm







Ilatomia，while the comes were mumed Lepidostrobns． Some of the roots（stigmomio）met with in the miderclays of the enal－measures also ajpear to belong to Lepidalemdron．

Lapidop＇tara（tir．，＂o caly－winged＇），an order
 rhli．ji，Dotid．

Lepidosirelu（tir，＇amly siren：＇L．permedora）， one of the mond lishes or Bipmoi，a natime bi Brazil，
 + fret in hongth，and is probably carniwoms．Its apertal ehatacters，ahorg with thome of the two Bhar whata，Cratmbus（for）and Ironpterus， will helleneribed muler Matrasimes．

## Lepidostems．Sep buxy loke．

Lapirlise ath illuntions laman fimily of the
 nos，when war boke ont（49 n．C．）between Cimat and lomper，levared for Ciesar．loming his own ahbenor in Spin，＇resar male Lephitus Tictator of limue and his molleage in the comsinate（ $46 \mathrm{~B}, \mathrm{c}$ ．） 11e afturwats suporterl Antony，and hecame one of the trimmiate with Getarianms amil Antony； the his wakness of character madr him inforine on the nthre two，whasigned hill Vfrica an his pros－
 th Octatian，who allowen him tor retain his wath and the dignity of fumtifex maximus．lle died 13 गer：
 Pechomix．was proform in thr © chomb of Mines at laris，athi a spatho lle was a commissioner at


 18ss），on the family，on the lenglial comstita tiom，Lu Constitutuin issenticlle de l＇homanite （1s゙う），式。
Laprosy．The trmindory of this dispase is ancwhat confued ：it was called ly the ancionts
 was also nsed of other forms of disease（of pariatsis， for＂xample）．In mombin times，tom，both these nature have bepn aphied to mher diseamen as well：Elophontiasis Araban（q．v．）is distinct fom leproser，whieh is di－tinguinheil as Eryhumtinsis Crurentom，or Lepua dratom．It is allas some－ tinues cilled Lemtiassis．
History and Dixtrimion．－It is hishly probable
 dismases，thonghertainly nom the only ome，when of hy that name in the English bilite：Levitions viii．Ahals＂pecially with the mone for the dete．
 mentimed therepriar to the sujom of the laratites in begyt．It is worthy of not that it was mataled hy the sarlier comelk and laman whiter as an Egeptiandivease．Int it certainly existed in Indiat and（lhina at wey carly promis．begading it． first appearane in bumpe nothing is hown It has been suppoeel that it was homght from the Bast by the＇rasaburs ；hut them is widener that it was prevalent long hefom alue tirat＂rusate． Imring the midne ane it was extromely common：


 tion of lepers，thangh in all likelilumen not for them


 was repmonnerd in the medieval heper，with a gray gown and a elapper to summer his appotel． Sine ahmo the 1 the entmy leprosy has been －radily derdinine in burani．Frmil shetand wher（as also in commall）it limered lomg．
leper，of a leprons stock，was sent to binhmph Infirmary in 179 s ，and a fow ases ornmed in the beximing of the lath emolury．Lithertom，near Litimbargh，is helievel to take its name from the leper－lonase estahlinanal theme

It the presant day the only bat of Eatere wha it is fommon is Numay ：lnt it also ments in lee－ land，on the limenian coasto of the balite and Gulf of Fimpund，in anth Linsia，in lontreal，suath， Italy，＇Purkey，（areor，and hany wi the Dediter－
 is fomme maly in limited distrids．In Sinica it is met with ahmest all romul the coast and in the adjacent ivimbs．In Sia it monm in all the commtion and mont of the iwhase on the somth， from Arahia ant l＇emia to China and dapan．In America it merns in New bomswidk，in＇entral Amerien，the Whet halime，and the nomernem amb eastern parts of smath Amorica．la the Initen States and in Alatralia coisen have oremped，hat almost all amomer the C＇Shere immigrants：in New Zealand it is murh more common among the nation． In the Simdwidh wimuls it seems to have first ap． peared ahont 1 sin，hat has onead with alaming raphility ；it is alon met with in some others of the ladife inlanla（for the leper intand of Dolohai and its institution，sere（liwish）．The seclasion of lepers is in mont phapse carefnlly amed at．Latoror
 where lepers aun numpons：motahle ones heiner at Bersen，Tracalio（in New limuswiok：abminis－
 （near（＂ale Town）；there are upwath of a dosen in India．
 localitio is enomgh to shes that the disease is not depmitent upm climate．There has lema a general belief irmm time immenorial in romotries where it ocenrs that it is rontagions：lhat，though mumems cases and met with uf ferme temparaty rexiling in rintrict where the disean is prevalent who hate becme athected hy it，inatmes are extremely mo in whill ther have commmanated the divense to others in comtrion where it is not embenic；and if it is contaginas，it mat lim umber very rate and excep－ tional comditions．Ahome all qualifed ohervers． howerar，helieve that the dirater，or a constitutional tendeney to it，is somaly leredifary．Evidence has recently heen indumat which seems to show that it may lee commmieated ly vacemation from a leprous chill．Insuitary mbulitum，filthy lablite，



 is prominent，think that in smer way fisl－font， and＂anelally whon oither salted or deromponel，＂is the main canse of its orimin．Jn wit Hamsen of


 ly many oher whervers，on that thone is mo lomber that thi－mestaison is a romotant feature of the distan：
 very how and inedions in it appearane and pres
 sion，lons of apputite，and innoral momitutimal
 nised，tabrenter and wemethotier lopros，ancording to the tionters firet and rhitely involion．In the．
 conmint in the alparance of relitinh mown ant on the skin，walitly of ther limhes，tornher top the touch，and som what swollen．They may dis－ appar，lawing the skin only slighty tharenem：
 ultimately the skin of the fare herome thiokemed．
 morese＂rpressime：the hamis and feet hernime
 into dery intractable narome awing to manges in the comerat the sight is dimmed or lont ；the momes meminame of the month ame throat boomo thick
 In the anzothetio fonm metain of the merbes are rhiolly atheeted，and before any vishbe rhangex oechr：susation is lont in the areas of shin suphinel ly then．Mutilating of the lingors and the oflen riemes，the lomes beine deatroyen，or the whale pats hraping off，uten withon pain．This fom is qumpally somer in its progres than the tulare． colar form，bat freduently leads to the davelop－ ment of the latter．In whatemer way the dimane
 the suflere falda a ready wotim to some internment
 of death．
Trofformt．The disesme may muler favmaralde： combitims remain tquiespat foir lome perimes．In the Tracadie lazaretto there have loen patient． who has suflimed from leprosy for fifty yars． ＂anes have even lum reparted of complat rechary． Ingmommont hat sumetimes follameal the uas if
 vast ma durity of eases no tratment has proved of any ase in areang the progres of the dimane．
see a monograph on Tru．Leprosy hy Liveing（1073）； and the works on skin Diseaves by Wilson，Hutchinson， and others．Fur medieval leprosy，see Sir J．Y．Fimpon in Etin．Med．cent surg．Jour．（1n4ti－47）：for leprosy in India（where in 1nish there were 18m，ono lepers，or， according to uther estimates，？manlol，see Vanlyke Carter＇s work（1s：3）；for leprosy on Lubben Islind，

Lepsills，Kimu lifosmed，Buptompit，was

 was himself a zealons antipuary，and pholinhe pramen treatimes un the lowal intipuitios．The


 Whid ho whamed the loher prize of the fremer Institute．This was fullomed lis works on the mest ancient aphalnots and uthor kinderd sulde．ets．In



 phiqe＂，and，in the T＇muswetions of the Archanhyy







 his retmm the e was later was apminter ordinars

 1549 biol was mallinherl at the expulae of the king









 the work in whirh he：expmanta the semeturet


（1s．s：in its second edition，poblinhed in binelish in 1663，ampaperl to 120 lamguares ）a work on the bigybtian all and other measmres：the homigsham，

 －hinwe Arahic，aud Assrian philologr ：was editor


 of thar lingal libuary at borlim．He was a meator



 おくらす。


 ＂llay an worquen，with lean momewhat resem blinir than of mythtw．sombe heat tho mame of







Ler itat，：tombof paim，capital of the province

 tary if the Flmo， 114 mitm hy mil 11. ly N゙．of



 ing．It waries on mamformmse of wonllens，


 （ 216 IE，$(1)$ and Cirsar，the lientemants of Jompury
 lath lere a comneil uf the whreh in tha bin crntury In 1300 al maveraty was foundell hare：it is mos extact．The town las heth sevoral times



 feremores．athlo a forthese in whinh the Minn with
 fant thes conlimed，abl from which bitatime encaper
 mile in cirent，ate the smine al the onere fatmons




 （＇allatins，Was lontr，of sootch extraction（Lear－



















 firtpressions of Cussirn（18！00）．

Lernaridir．a family of Copeporl rustateans， of which the females arr paraitio on tishes and xmonespely deremerate，the idults mowing hardly


Lerwick．the combty town of shetlimal，on the fant coast of Mainland aml on liverat Simusl， 116 miles $\mathcal{N E}$ E of Kinkwall．Demolished and refommed in the 17 th century，it has heen wreatly impored since lsion，and lias on town－lalf（ 1 sisi），conunty
 whilnt，for meet the mpill emowth of jts hipping and fisheries，extensive harhomrembs gifer， wharses，de．）were maried out during lasioso．

 Sarzoin in lirittans．llis fatler diend in lise， leaving lim to the care of at munle，who so mis－ managed hix afkains that he hasean life with little


 him to sefer a Joso tarly liselihome in literatme． Hlis tirs work wis a trimslation of the letters of
 mate the friendship bif the Ahe do Liomme，who
 his fathar the ablabsomitor，of which hee made le
 lam formolit hy it．The liset frait wasture project wif a Thintie Éxinnmol：lint all that came of it was one volmme in 1700 contaming two plays the
 from lobias aml lape de Vega．In litra Le point
 linjas，failed an the stage．Ilis nost renture （Ifo4）Was a rifacimento of Arellameda＇s Jom




 the framemork，title，and dirat ehapter of whieh be
 lee whemed the＇Thettre fromoris two plays；het

 fule dial not allow one ant piecos lathe leaster．

 an ：utempt to hay him sff witl lon．ano lives， wwanisul smelt an olpmition arainst it that it was
 Wis mot a man to smbmit toraprices．It ia told of hime that when the Dhelemoe do lamillan，at whose
 with a hamelaty reprimand for hapling her waitime， be replient，SVery well，madimes if 1 have mable vou lam an lome I will makr．Ion satn two，amol with a bow walked ont ：wal it was nu doulat the same epirit of indernalemon that made him go wer in

 of $\frac{7 a 6}{}$ be his，ho mate wo altemite after this to return lo the vacular damas，limt contimued 10 surbly the limere stang with slight pieces of the
 time to time in the volumes romponjog the The atre

 in the hille et enf jumes were of areat service to him． lint the sureres of the．Mowher Jinitener was tow
 In 17 lī（iif J／as（whls．i．and ii．）came out，followed

eame the thim sund, as it seemed, latst of of fill
 Dintor.r. domaldel in bolk he alditions of his awn


 buccaneer whan wiow, he save furni-hen the memoirs. In 1:34 he towk the title of Estolumillo (fonzelfz, hat very little elon. from the mixinal Spanish. In liast the fometh whi of Gill bles
 1736-3 the Bentelier de Sellementure, the remain-
 vols. : in 1740 Lat fiflise tromor, a volume of letters: and in 174: the Hfomer Ampstut, a collection of finetion from his momity of his motetom. That sear hronght his dirst shrow, the thath of his eldest son lame otherwise Dontmenil the comedian. Le Sare lat it centrmpry fortors and thair ealling. stal when his son adopted it he dionweil him. Bat in time. lrought roum to sem him in Turatert, he was conquered lis his an matiom alive in the pronine of his som, and the ontrangement embed in their heme drawn torether more clactly than ewor. The death of his com and his on on inveasing infimitien, partion. laty his dommes. mato him ababdon laris amb literary life, and retreat with his wife and danghter
 cammery the rathemal : and there in the line the Chatean, le dim in litio in hiv embitieth year. Of himalf. promally, there is reas little on recont. lle wa withlrawi from surety by hiv deafnew. from whinh he was a whftrer as eady a- 1709, and lived a quiet, retimol. indmetrinu lifo, surroumded by his fanily: sum premap their tevotion and the having rave with whing they tended him in his lant daye are mose elopment than any enlogy of ha character imb virthon lhat preacher combly pro. рин!

Le 'agés repmatiom as a dramatist and as a novelist reste in rault case on oum work. The
 stanese. have done anythine in combely shont of dothroning Molioue bint it it le has no clains to a place in the liret urdor of dramatiots mat whatever severp crition may say. the anthor of Gif
 the rommen ement of the urat man of realers of :lll hations. Un the wher hamd lleere are some who hipny originality (t) ab, who lurrowed inleas,

 whe sor still further, an! dong that the anther of (ii) Bitus was anything more than a trambater. The quention of what conatitutos orquality womh lew wht of place hare, lont the other is simply at ghotion of evineme which may lo hrielly smmed

 Galmin Triapuew and he in ratum sain in his

 "OUPerg,' showing that her hat nuw seen the lank ha quoted, :und could not reatl it if he hat. boked ly lia mane the ligment hal a wind circulation, -aprobally in Spain, and the Paller 1-la was
 peruliar favhion (see lasa). The rombe de NoufWhatent having taken up hla satully, wat- molied
 wan in jout lie hat truth on hiv ible. Ilin own theory was that in the limme libary la kitre
 memen, writton, probahly hestio the livturian, in
 sorstug the remamber afterwad anler the origimal title. Ther ;umumert, in lajef. in that

Gil Blow is emowded with details of a kime that Le Sags, who never was in Stain, equld have hat no knowlodge of, and rombl not haw sen from boks.
 have had any mere recondite somre than $h$ hom thionde: and for the rest Le Sum womld haw said that har onle womdered at his own momera dion, for lar coule haw taken ten times as many from the plays and picaresfue movel in the ablues library, and from lurbe of travelfers like Aarsans
 Bint Llornte paints out that over a lumitral flaces, oftell alseure hamets that few Spmiands even ever hearl of, are named, in semeral rametly, which is a prowf of some exceptimal sumere of information: lat sometimes incorrerty, a prowf that the sumere was a Ms. not a primed ande. lint a plain tale will put him down: the names
 an manifer minembine from a lls.- bimala, Linlilias. Luceno, cistil lhazs, de, all lat me are in the map of span printed in latris leg oathet core lagi, and all the motalle one in that of 173. just two year hofore fid blas aymeat.
 copmraply-e.f. putting lanatho on the road to Silanamea, Alaha betwern Madmand hegovia,

 Le kiges finmiliunty with secet hivery ind the frivate attian of Olivates. his dimhtars marrias (xi. 9), and his aloption of Matratia Spinnlás -mm (xii. 4) : sund a-ks low conhl he lave known matter am names not to be fomblin print, sate from a eontempromy Ms: which, in lufare,
 Ahados, Valensar for Valemef, hear withens to? Bnt again the anwer is simphe In * fomat 'Niebles' and 'Alrator, an well an the marrage stomy in the translatel Amedotes d/n ministore
 of the look inte the month of olivares, whese britrait (xi. 2) i- word for wod from the Ame detes. - Villeasar he fomil in the liduftion do se qui sest passe of (ld disprete of olimates (Paris, laion),


 give way aml the Dis themy fall- to the ghmmo.




 ha- left the atimp of his matimality indilibly
 its wealth of Artatil. Llomente biti- the matter in a muthell when he ath why dial la same if

 - Turalva, when it wishal hase dome juet as
 mower is that La sam "an lame all thing an artist, and bun the value of demilo in pro. ducug the wriminitule he amed att. In this womet foul many other, he wat like his areat
 his comention a mality to his realet. Whan has


 tind. When he lownght hituto an inn, he went to the novels : mbl plays for inn furniture :and comfany and monsersation. This is the rationaly of hiv lontewines, :0nd it is this, ate mach as his Ifelightiol tolo, that mahes hime the prine of


enlinary semins of his mation (ly now mane comfimed (1) artists like him who cond mak" a satoury racont ont of an old hoot) he wit rid of its cmatities. brought ont its llawor, aml served it II witl at stme pigutute of hiz own. In so doing he :ulvaned the noved of real life an importent stare, :mb, to his homme lus at sid, no ahme of ration ean ha laid to his charge In the wordo of soott. 'llis mence moved with an me palluted step, "en where the path was some what miry.
 Weran hea, lies 10 miles from the emast of laia Amor, nortle of the temle of Smyma, It is triangular in shape, with two frejp inlets on the sonth-east :und somth-west, and is for the most part monntainons, raching 30 ag ient in llagios Elias (thempme). The soil is fertile anm pioleds
 port. In amodent times wine was a spocialty. The climate is delioletfol. The alief mawhark


 (om coins Mytilene): the existing town, fallad

 east comen, is defended he a medieval rande, and hat a hallow hambar. Gther andimt cities were Hathomma, Prorla, Intisa, and livesus. The mondorn town of lqiaso has 7000 to somo inhatitants. The iwand was early colonised hy Dolian immigrants. Betwen (an and inn b, it was the flomishing home of prets and literary men, th the mane of . learns, Sappho, Trer pander, Pittables, Theophastus. Theophanes, and others will attest. The Leshans made themselves mastars of com-iderable tervitory on the amposite manlane of di: Xinor. Fut in the fith montury
 In 4 it it jumed the Athenian learne, limt, revolting in 409, wats promptly redured to wedimer again. Then it halongel encescively to Macedmatia, Pontns, Lome, and ligantima. Fron 135.5 to Iffid it was mand by a fimese merhant family,
 the Tarks were defeated he the Venetians in 1690 and $16: 14$, and ley the Greek in 1821 . The is land
 down to the preant time.


 and Tozer, Ishents of the Ryenn (1s'川).
Laserynski. Spe Pasand, Lomis XV.
Lesqhialls. Sice rimentes.
Leslire, a thwn of Fife, 12 miles sW. of cupar, and 3 W. of Marlinela la a branh-line (1sit). It
 Pro. 3:

 son of Bartholf, whtaned Leselya or Laslice, a wiat
 tomk thair smann imm their limk.

Earts nend Dulir of hofles.-The family was emoblal in 1月57, whot (inome Lastie of fiothes was mand Eat of loolmes and land Leslia. Tha
 lanthes, the whef actur in tha monder of caminal Ibatm. John, the sixth mat, who lieed in mill. di-tinguinhed himestif as onte of the ablest of the"

 Duke of Lathes, Matuti- of ballindereid, biarl of
 his death withont mala jonte in losis. The carhom
of Rathes went th bis cller danghter, in whose fitmily the title has eontimuel.

Limls of Lemen- - before the family laft ther-
 which still thourish there. The chief, that of batquhain, gave lith to several men of mark, such as
 the devoted champion of Miry Guepu of scots; Sir Alexamber Leslie of Auchintonl, at reneral in the Hasemite service, who died sowernor of
 ath more distinguished man was Alevander Leslie, who rove to be a field-marahal of swelen under (funtavis Ahophus. heralled to Sicothan in 1639, the tow command of the Covemanting amy, and in 1641 was made Earl of Levell athl Lord lialgomy. lle died in 1661 , and his homours and lamds erentially bassed to his great-srankon. Havil Welville, thiral Eat of Leven and secoml Eat of Melville. Dis losemant succemon as eleventh Earl of Iowen and teath Earl of Melville in Lses.
Lords Limhtores.-The sectmal son of the tifth Earl of liothes was created Loml lindors in t 600 . The tithe has heen formant sime the de:th of the seventh lom in $10 \pi$.

Lomeds Newarl.-Davil Lestip, fifth som of the firat Lord Limanes, serwel with distinction maler finctaves Alolphes, and petuming to Seotland in 1640, acted as limenant-genema to the Earl of Leven. He was present at Marstom Moor, and surprised and romed Anotrose at Philiphang. Thkn misomer he fomwell at Worester in 16.0 , he sulfered imprisomment in the Tower till the Rastoration. He wats made Lord Nawark in lian. amd died in lfise. The title las bran domant since the drath of hiv great-grandsom, the fourth hom, in $17!9$.
counts Les/ic. Walter Leslie, a yomuser son of
 the Distrian army, and in le37 was reated at combt of the empire as a rewad for his services in the munder of Wiallenatein. In. died with-

 emvier, whodied in 1694. The title lerame extinet in 18.4.
 at Subliut on the 17 th , Inly 16.0 , atulied at Trinity follewe, Indilin, and, having takn orimers in lisio, hereme chancellor of the cathedral of comme in 163*. Iheprived at the hasolation for dectining the oath of allegiance, he retired to lingland and wrote against lapists, Deists, Korinime, slews, and guakers, as well as in splyme of the nominring intersts. We went with the l'reteniler to ltaly after 175. lint retmond to lreland in $5: 21$,

 Intl bitsy Method with the hrists in 1604: lap isumed a molleatiad ralition of his Thendemied Il entis in two folin wolmes in 1701 (new ed. 7rols. $1 \times 32$ ). Sine a Life by li. J. Lestie (1Nis).
 mom in Lomdon on 19th october 189, his parmots
 drophia, to which rity his parents towk him in 1sto. In fsll he retumed to England, and entered is a thelent in the lagal Amatemy. Weat, Fhadi, and Illoton exereming the earliest inthence over him. 'Thes firet pincture that homght hime into motion was sir lager for forery poing to
 of guten Elizaluth secmed his sleetion as in Asociate of the . Aademy; and 'sanclon l'anza amb the Durhes., exhibited in Not, ohtained for him the rank of Mablemician. Leslie's principal pisture ate arone form the works of Shakepeare,

Cervanter, le Sage, Joliote, Adisom, Rwitt. Sternt. Fielding, and smollett. Cheat buwer of exprown and at delicate pereqtion of chatactor and of female beaty, ate lain stomget pints. In 1533 he aceppted the afpointurnt of proment of Drawine at the military acchlemy of Wea loint, New lork: hat gave in the pine garly in the following your, and retorned to Englant. Fom
 linyal Arademy. Ite died in Lombon on Sth May

 an able life of (constahn (1-ti), and lewat the Life and Times of sur Joskun lithmolds. completed
 tions of he lie wete rilited hy Ton Taytor (1sout).

 the -umb she of Enchinh domestic hite, wa- dectal


Levie. Fowne, polinhe way lom at Ipwich in W2l. him proper nane lewat llenry Carter, and at seventern was placel in a mereantile lanse in Lombon. ' Forak le elie wa- the name he alopted in sending in shetches to the Mhestruted Lomdun Teus, and the success of these determined him to join the stath ui that paper. In lsts he proceded to the Linited states, where he asommed the natue of Frank leclie ly a legal process, and in 1 a.it
 Journul. Frmik Listices Mlluatioted Veaspuper was emmbeneed in 15 gherman and spanish edition- later), the Chimney Cormer in 1s65; aml afterwarls the Roys and Girls Whaldy, the Letlis Journol. and a manker of other perionlicals were publi-herl ly him. He diod loth lammary 1 suo: his willow then dmuned hiv name and earied on his bu-ines.
Leslice sto duan a melelrated natmal phine
 He stulied at St Amhero and bilimbugh universities, and in 15 m beram thtur to two rompe Americans, with whom lue proceded to Virginia and other parto of huerica, retmming to lombon in 15:9. Inrine the nest lifteen bear ho wat varion-ly comped in ardentice writins or tavelliner on the emonent with pmpils, but all the while engaten in experimental revearch. The fruits of his latmons during this perion of hif cateer worn a
 ( 1793 ) , the invention of a diflerential thernumetor,


 For thi latter work the lional society awaded

 at Edinhurgh, in spite of atand deal of ormai-
 of 11 unn th theory of ranation. Il: wertipied it for fompleen vears, lut mont of his hisure
 hato he invented the proceso of atticial rafris. pration, which lian sinee been put to su many
 Hatir of Xatural Philoments. whene hiv peembar tabent-fomb their parperspore. Buring than mo
 li- lied suseral works on natural philomophy and
 of the scientific word lies in hi- lne-ful imbontome,
 and tho promitnone which low fate tosprimental illust ration in his maveraty fertmres. In lase lue
 ed خovember of the same yeatr ho dionl, at lia
extate of coaten, in fite, mar hiv birthptace. Ben Memoir hy Maver Napper (lam).
 tomomist, wan lum in Cimmy lonno. Irelame in
 He qualified for the har, but in 19.3 wan apminted to the chair of Eonomice and Smismbarme at belfas. In that eity he died on erth lamany
 acter, were collected in two buks mitited The Lund systoms (1s.0) containing studier on the land questim in lreland, lelgimm, aml Franen, anl Ensenfs in l'olitionl ame Murel Philosedte! (1s,9), which treat pincipally of the grold question
 alrocate for the stuly of economic poblems in the
 amalytic method of licardo. He introduced the work of continental ecommi-t, surh as lancher and Laveleye, the the notice of English students.



 to Madame du beflam, whoe fiemols, porectally TADembert, ohe quichly attached to hemelf. After the ine itable mpture that follomed, she was anabled ly the bonaty of lar fripmolo to mantain a monden salun of her own. The charm the exeremed was in mo wise due to heanty, for she wa plain in
 converation nas brishter amb more harmonimes, and wit more hilliant in her cirele than anywere che in l'aris. I'nfurtunately for her peace she hand a heart rensitive to lose and the parsion she was rapable of at forts for the youre spanam, the Maguin du Mora and two vato later for N1. de Guibert, eworther the deepent jange, when the list died and the second was mpated ly mariake. The fanmo. DAbembert hath long admivel and loved her, but her aflection for the phamomer never ent her tears. she died at laris, esh hay 17.6. Many of her lettern to her two howe have heen problishen, and theo are aghen with live and panin. Indeel. in their first alithe metaplar, her fhanes hom the joder on whech thog are witten.

The famers Lettres wele fublished in two volnues in

 unstly addressel to Condorcet. The editer's intruluetha is mach tow high-phtened. A juster julgment will

 Was leon at Cemailles, Jovelulw 1!, 1shá Elu cated for the diphmatic profemion. he filled sur

 for enting the Shez canal. ami in danary lasi lup received a letter of andowion from the biems of Eerght. Lioburt stephemom and other linelish


 in 1stio. 'Hhn" what mulertaking was completen]






 ant ather the publimation of his llinters of the

 electend him a foee member, ind in insl he was


arramement with the Britinh gevermment for a
 on his stapemanas selieme for al limamat ('inal (see

 ment was rlatred with breach of trast, and live
 "hl man, to five gears implismment aml at lime, as Wis alsu his som Chatrles. 'The seoternee was altimatery quashord: but he fell into dotage ame died Tth Jerembler lsit. He wote Jorven ats




 nath literatare, was loma, the son of the pastor of
 the achoml of St Alra, at Meinarm, where lae hitul - bent five years. he entered in $174 t$ ats a thealogical stmbent at Leipris. But, imstead of sturlying theology, le made liaste to aremine a kmowhedige of men and oi the world, to pulinh his mamers, to learn bodily and sucial accomplishments, and ta imponve his tiastr, imal developed that strong, manly intopembene which was always one of the mont striking traits in his elanabere. Noreover, the caltivated a love for the stame ama began to write flays, montly comedies, in the French style.

 manifested an ardent thirst for linowletpe and truth: le had mrat intellectuad parts, ind read had. lint his mone of life at the maversity ran him into debt-astate that was more om lese chamic. to him throumhont hiv life: then in list the theatre
 ness that never let him ahdur horg in whe plate. Acembimsty haning his fithurs serioms dis pleannor, lie quittorl lejpigg, haing resolved to cann a living her lin pron, antwithatandinge that the
 After a few months staly in llittenbere he travelled to lberlin to join My lins, a clever natn, hut lameded an a freethinkir lay the anthodas. Alomg with hime Lessing julhished liritroter zur Hisporid as Theaters (17at), and indrpembents wrote plass, thasbated, did literary hablowork; Inat his chite staty win the J'ussisehe Zeitemy, to Whieh lace contribinted critiomas. He mom felt, lomerer, that lie himseli stmal in med of erreater calture, aml in the emt uf 17.5 la withlraw $t u$ Wittenherge to athly at lopares: att the sithor time
 The tesint of his tail in the Wittentrarg lihnary was

 in whirla la gave lald ntterane taliontrone lowent ynatice ind his semm of natum intobranee. Latho.


 burlin after at wars absemer, horemmed his formar







 the:atrio:al malitions in fiavore of Emerlish mondols.


 lisa, in Vinmand, and by bidenot in France. 'Thes
 theatre, beoperted, at leipring but he only stayeal
there a short time. In blay loni he set off, is combanion to a young gentleman (Winkler) of that eity, an an extented tonr ; bat they had only reached lhollame when they were hastily summoned home W the onthreak of the Seven lears War: Lessinn then remanned sone time in Leipaig, to la matio his trieml the poet Ewahl von Ǩk ist.

In $175 s$ he was met more in lierlin, insisting Aombelsohn and Nioolai to bring ont a new critical joumal, Littereturbriefi. In the work he did for this publimation lewing takes a di-timetively higher place: he refuses any lomger to mbmit to tho decradiner diotatorship of Fremela literary taste, combats the indiled perlantry of the (inttrehed alomot, and extols Shakesuane ahowe (bmeille ats the highest type of dramatic writer. ln these letters lie dimplays most of the almimatile analities of his matmre style : his insight is penetrating anm? sure ; his mamer vivacions, often imbical or atirie:al; his intelleet is strong and lugieal, vet anple, and worlis easily : and his language is clear, formihte, and elegant. Ihe alwars possenad the wown of making dry shlijects intereting. From
 mhamed his knowledge of men ly anting as secretiry to deomert von 'lauentzien, gusermor of lifestar. Daring these vears le wrote two of his nreatent workx, Letwewin ( 1766 ) and Minne ron Burvectue ( 1767 ). The fommer is a eritional treatise delinime the limits wi fuery and the jhastio arts. It athons an atmirable illustration of lecesinis critical procestare. 110 phases at ance into the minst of the argument, falies aj varinas viens one after immther, wimmen tham, cantrionto them, starches and sift them from all siter, aml exhansts npon them the rombrees of the dialectieal methor ; then ont of what smaves this intelectand contlict he comstructs his final comblasions. let the movenumt of thamofit is simple, natmal, and logical ;
 hs which the athor arivel at it migimally. Jlis


 trate of imitation of foreign momele: it is the lirst national :omerly of the Ciermans on tha friand
 dramatie eflonts. Aiter Firederick the Gipat had refaral to moninate ham keeper of the Royal
 past af eritiv to the mew matimal theatorat Hanm-

 which le overthew timally the dictitomaing of the
 hatl for mang reat layn ripunime in his mind.
 loft withont dixerl seropettions. Vet he was never longe itle, eplectially at loner its there wan emor to combtat, amb igmorame atmb fratatic vanity to ex.


 mere knowlempe. lle wat matmally foml of atisfulatimn, tuth so we sum limd him in the thick of mother controveray, this timu with lilota, a lommer





 die Altern ten I'ml yrhiledet (176:) ).
 lasoing the librarimblipe of the Wolfenhiiittel libary : he acerperal it and entered mpon his duties in the followimg May. Inefe at lant he settled for

a llamburer merehant, fant lont her atter little mose than a year of haply married life. He at oneo began tis publish anme of the leashnown treasures of the libuary in a serien of volumes entitled Zur
 15-2 he wrote the trabely Emilioe creluttio whicla in
 necessity for the catistrophe, is onte of the meatest tratredies in Geman literature, extainly the ervetest Lessinor wrote. shortly before his marriture be
 eicht months in Italy, thonsh as connpanion to the hereditary Joke of limmowick. Jlis litat year were ereapied with theolugidal enntroveraies. In 1.7. he jublishen! the famom 1 It offenduttels he Fremomente: a rationalist attack on Clamatuity from the pen of liemarns (q.v.). Thi look, which wizk ahmost miversally attributed to heromg, povolsed a storm of replies from orthomex latherams. The best of Lessing
 and the line dranatie pomb. Niethen der IVies
 ever jemmed. This lant wan supplemented by
 whin in extremely rimb in arosentive thomgh.
 (1), fise diahosues un freemanomy He died foth Febmary 1-5l. The hent edition of his sommet.

 Jated intor Enslial. See kinnts Lecssinet of latuti


 last thoee in Linelish.

Lescols (lat. lertio) a reavima, evecially a portion of seripture aprointed to be read, as in the Common lratyor-monk. The oldent Latin bection-ary-a mevice homb, either containinor the lesoms for the sear in full, "r moting their beymmins and end-was callet tho Cones ( cmmpanion'), amd dates from the sth eentars. Tha limann Leetionaly Wax remmerther in the *h centary. The chanre- in the Anorlian calenalar of lemons were sanctioned ly act of parliament in lsjl. Formerly the lemoms comsi-ted invariable of full chapters-a rule that was anmetimen bablanrawing, at in the cave of det s di. - bat in the revisad hactionary they are irempently shomenem ind ditlerently arrangetl: aloo, neatly all the lexom- from the Aperepha have hern left met



 instemi imprismenl in Nownate, whence he escaped after four year*. Irardoned loy (romwell in 18.53 throumh peramal entreaty, hat liyed paiotly till the
 carried ont hiv functinns rionnomsly, hat it shonla
 foupht in all the quartels of the time with a slower




 Ghoweol that lue wam uet withemt at tate for heltor


 $1: 04$

 prameser 36 reslimbum pictures ley him, amblis my thological, the former incluline: hiv preat series
af 20 pranting iflustratime the life of ot fiobun ( 164.5 45), ant his - l'reaching of St l'inl ' ( 1645 ).
 forgetfalmes in the lowed wonld, from whichs somp drank before passing inta the Elysian piodls, that they might lase all recollectim of earthly sarross.

## 

## 

 a eommission top phnder: et. Littre, iii. fifi) (ho tommission antlorising a privateer fomake war


 TEER:

Letters are combentionalmake or bisible sjoms uf the elememtal sounds of spoken limgnace. The carliest symbols of sommh whemented oyllahles rather than simple sounds, and it wils only :rallually that sylables were reduced to their iblimate elemonto, all alphabets set hearing mation of the
 feetions of excem atml defert. The di-sinetim hetwern vowels (forovia aml *wventa) aml com-

 which ofleret no detinite lime of demaratiom, have siven phace tor atore sebomtitie method and mene precion temminolory. I consmant in thes - mume or noive resulting when the beroth in elomely shacered on stopled at mome part of the momth of breath gas-aber. 'Jhis gas-ave has two dutlets: whe at the lip, the wher at the mome. In the care of sume comsomant- the parmace is clomen at at riven
 d: at the patate in $l$, $f$ : while the nome-pa-abere is elaset lis the bottom (imulu) of the wift palate. In the eate of other eonsonatats the paseare i- not elosed hut only nourowed, and the breath sommels aqainst the natrow walle, as in if. $x$, che se. 'l'lee nowe ehommel is left open in premombing $n, m$. In the cane of fowels the breath in mot checked or clomely nimrowed at a misen point, hat pirace freely through the montlapharare ame they maly he: cla-sitied areording te the $\mathrm{p}^{\text {dice }}$ of their artionlation in this gassage owing to the lomianntal or vertical movements of the tharne 'They maty alon be distinguinhed as "gen (on wide) and slat (or narow) ; in the latter there is mone convexity of the fongue amal al vence of efligt in frommetiation. ('onsomant, bram, are clawilied aceoding to the print in the month pas-atere at whith thes ime
 حounds, with artionlation of the tombor am! the serit pratate (rolum), hemers citled thes Velar
 sommen el ind ", ch in Cimman with, sumb u! in sim!. Further forwand we hatr the l'alatal=a which
 palate as $\gamma_{i}$ and ! bedore atol i. Xext conate the


 are thane which sure fumand rither lys lath the lipe

 inger to the form "i therir articulation. Whan thate






 We hatwe for ©
 spirtints When the persoge in stupterl in the
middle lout kept open at the sides, we base a
 1- left gen we have the Sersels $m$ and $n$. S takes its character from the nature of the neightomanger somms-e.g. it is guttural in semp, hat dental in tent.

Again, momsmants may be diviled into Voiced and Voneless. Thle voiced or wht consomatit. are promumed with a vihation of the voal elamets. To this clans helong the Nasals $n$, $m$ : the lifuids I and $r$; the Mediar of, $d$, : the A-pirated Mediad ofh,, h , bh: and the Spirante $z, j, t$. Tlue Viviceless orf surt consonants are the Tembes $p, t, l, q$, the Aspirated tember loh, the, $p^{\prime}$, and the spirants $s$, $f$.
There are some sombla which ean play the part of either consenants ar sowelc, as the semi-wwels $i$ and ". In the sume was, $\%$, , $, r, l$ between wowe are parely comomantal, hat lafore or after comomants they ean ber volised or male soment. beridon all these dilliment somms we have the intronluctory gtides, represented ly the smonth and rungh breathing.
such is the varioty and romplexity of the different sombls which are attempted to be represented in the lettris of atphabets. These, hamwer, merely satiofy rubly pactital needs, and in me case repment all the somms actually emfownl in any langnare. Aremonation, which is an importime eloment of opeceln, is rarely demuted, and still more rarely is gmantity. The alphathet ic symble remain companation? undanged, while the smmis they represent are comstantly chaming. llence the literary a delling often corresponis lint inditlerently with the actual smmols of the worls, and in Engli-h esuecially this has grown intos so heary :an additional hardm on the memories of learmors that many schmhars have heen lon to advorate the adopition of a scinntifie phomfic nystem of spelling. Than, in Emglinh there are at least forty-three earily distimuinted somme, while the whiturn abhalet hat only thontysix letters or symben to reprement thene. Anain, our abpablet is redmadat, contianing ther maperthoms leters, c, If, $x$, so that there are actailly hat twenty-there lettors wherewith toreprenenforth three somms:

Nany permons annirst mompos atre mathe to ponomine erstain letters, as $l$ and $r$ a others chamge $r$ or $l$ tod, and we olmerve that dhintren for nome time halithally sulsitute lentals for gut turals, as tet for oft, toss for lises. This is guite distimet from
 fite latw, the ahervation of whid fumed the hasis of sempific etymolug. We time that anme lam-

 (u) labials: the foriety Inlamers are destate of sutumal ( the name of ('aptain (ionk became Tute).
 the loblomban lathores, where its pare in taken

 in the landuat of the lhoms: and even in sulur-

 "r, 1 us soft silibants: hation has me soft sibifints, In mative $\theta$, $\phi, \chi$ : Engrlish is alefuent in guthmal hasthings like the derman arlo and ich, althomed these are puntiful emongh in seothami. High (iare man han me ". like the Enorlish ar in wims, wo the the eh, While Simbrit hat mof trabie lat





 follow ing rammeration of the comonants in at few abplabets: Himbuntan hats de embomate, of whin

13 are classifal Somskit aspurates, nasals, and sibilants, and It Arabic letters. Sanskrit hias 37 comsonants (or with the Vedie $l$ and (h, 39 ); Torkish, 32 (of which only 25 ane really lurkish): atul Persian, 31 (of which are really lersian, the rent Arahie). Aralie has 2s; the kethir (Kuln), 26, besibes the elicks. Helrew has 23: English, 20 : (rreek, 17 ( 3 compound): Latin, 17 ( 1 compomen); Ampalian, 17 or 18: Fiminh, 11 : Polnmesian, 10 hative emsomantal somms: onne Australian lan ghites, $s$; of the Melanesian linguages the porest, the Duamer, has 12, others 13, 14, and nome. Amain, anme races find exceeding ditionlty in dintimuishing
 hatitually confase $f$ and $t$, and we fiml the same worl writen hy Protestant missimaries with $/$, by french miswimaries with $t$. Een in Canala the hower elissess say melier and moikie for motier and moitid. And even no respected a lexicographer as Noald Welster authatly savs in the Intromelion to his Dietimary that in Engivin the letters al are pro. nomeren as if written $t l$, ind $g l$ as if ell.
Tlue foregoing is mainly taken from the following: J. E. King and C. C'owsm's admirable Principles of found tent Inttecton (18NS), their Introduction to the fomporatire (isummar of Girtek ame Lutirt (1sto), and Max Minller's Lerturts on the Shence of Lantmente ( 2 ) series, lect. iv: 18fit). New also the articliss in the present work on ilphabet, fikmank. dibina: Liw. l'honetics, sfellang, and on wath of the letters of the aldabet.
Latters form one of the nust drlightial bandhes of litemature, and ome moreover in which Endish poremes ahminnee of the finest exiluples. Nost homraphien that are now writen contain the letters of the hero, and then umally oforn uis harart to the reader far hatter that pages of deseriptim of his qualities: while they atho supply, ley conscions or unconscioms reff revidation, something of the peenliar interent that helongen to antohomrathy. But lape may be remembered the waming words of
 transation which whers stmoner temptations to fallaty and sophistication than eponalay intereomrse. In the bugernese of comberation the lirst emotions of the mint often hurst ont liefore they are considerod; in the tomult of hasers interest and passion have their gennine eflect ; bat a triemally letter in a calm and delibente perfomano in the (and of beisare, in the stilluess of sulitande, and
 wwa charmeter.' It is manippily the fact that the Coblitions of monem life ate generally unfavourahbe te the probution of betters of the lee class, Whichare the froit of calmand amplol limine no less than of symbathy. The railway, the permy post, the telegrim, :mid the portemal have enmined to destroy letter-writing is at pronit and an art. 'There is manalits stacely sheh a thing ats arrespendence in its geod old seme--what sonthey calls -promas the greaten gatibuation whirh the pros. gress of civilisation hats giva us: " letters ate omly
 witen completely inn intomal amb antindy minter--rting. Hence familiar lemters, intimate and easy in thas, fluent and arminely rathers in atyle, hate
 the ephumeral, hahd, di- jointert, ementiatly unliterary, and it maty wom he ungrammatied grohertions, Which, the monemt their intwediate propose is arred, are stratightway comioned to the extinetion fin which they atre hitied, and to whith emb indeed they were desinned.
of Jetters bacon says - such as are written from wise mentate of all thi words of man, in my judr. mont, the heot ; for they are more natmal than
 than comfermen or prement sechers so agam betters of state fromsuch as manage them, or are
priss the then are of all other the here intrace than for hiotury, and to a diligent realer the hat




 ui the tion impurtance to the lintoman: whifo the theolngian will nover eatar to connt the epintlen af
 Augutine, and derome amme the riblest emmen available fon a clone stody of the develomome of dogma and the movement of edendatieal histary.

 Jumien onty belng in a recombary seme to this theparthent of literathre, and lack the peraliar permad chatu that helong to sumh letters as than of Cicem, Homee Wadpole, of Matane de Sowne.
Wi all the facmate letter-writes- of the world Cicem is looth the berlien ant remant almost the greatont. Mure than sum hi-letter are extant; and all are matnal, sineert, watpron. The very frankes of his vanity ant an almont fominine dwite to phetar give is simpular pleame to hirealer: shat his own phrase in one of his letters-- lit enim mesom quil ut fuasi curan aleso vilear cum serilo alipuid and te - reveal- in a ingle sent ane the -meret of his permmal eham. Ame he "an - ingularly hapre in a corre-poment so symbathetic:and intollifent as Attions, to whom alone

 friend to whom ta iddress kept him from aloping: the elontalary method for pulinhing his whimsion whicle otherwiee he would have preferved. The only other important Latin letter-writers are seneea anit loliny, hat the one oflend ly pors and tedion. moralisints the other be a protix and satudione mamer that swn pores tiresme.

 the inner thmestio life ai the lath century ; hat the earlient Enslibl better-writer of high rank is Jamew Howell, whme Fremitior Lefters shared witl Homtaisue the henome of Weing me of Tharkeray - two "Lnel-ide lonks." Howell-ays familiar letter may bo called the larum hello of lowe, and elowhere
 sentence- that's a tris iamiliar letter whela exfracoth ones mint, a- if he wero dixoursing with the party th whom he writex in shecinet and shart terna: Sowlere can we tind more shrewine-s, wit, windom, and keenno of whervathon, all fomhimed with heartinen and sincerity; nowe know hetter how to brighten his pare with a merry fuip or it lively story:

Dat one pratest leter-writer memain lat theres ur at mat fome: Gray, Ilorace 15 alpablo, Cowper, and

 -incere. It raypent the liminhed schabiar unlombinir to pleate a friemb, and the perfertion is a emomm-



 fow from emarionsinten ; hut diay wrote for lave.

 of limureli that he lived 'a life of letter-writho.,




 of eflort amb aflectations still, all driect-apart, judpell in re-pect of hath grantity and fuatity, abil

 writers.
lady Mary Wintley Montagna leters are





 a marall mandern of riew that amper the tini-hed man of the world an bint a somy mentleman. The
 puhlisholl hy the late Lumb (inmarmon in las!, show a highor tone. lont are por purnmano if judrend from the pint of view of letters watters to at chill. The letters of borothe onhome to Sir William Tomple are delightinl heyond bant : home of sir
 sereme and atately Endinfi, have reated to interent the mondern realer. 1bint haly hachel linwell:Lutiors, the apologetic scrap writum hesteele to his wife lioe, ami swift's letems to steila prearse a dham that delies the tonch of time. Other 1 sthcentury letters of interest are thone of Mmblanes. cwerine half a century, Fany lamey, Dliw bery,
 Mare. Dr bohmans tetters are always ahmirahly sixhons and lirect. and we at lox-t is anmer the mont memmahle thing in Endi-h literature: lant he never put his atrength intu this form, and inderd dislihed to write freely in letter- firm the after-mes that might lop hade of them. Jane Anten's letters are not characteristie of her unique : are artilicial and dimploming: Stormes mawhish
 portant. But the century close well with the inimitable masterpieces of Cowner, thrmghout full of tenderness, srace, vivarity, wit, and cenme:
of 19 heentary letter the eharacterintic examples of Charles Lamb stand first. Even the slightest how the peenliar charm of his tonch, and all are stamped with the sign-mannal of wemins. scott's letters are learty, genial, and homest Bron:- clever, trenchant, and somewhat unveal.
 Swine Smith, Leqh llunt, De quincev, lowhart. Vacablay, Ir Armid, llome, Wa-hinatom Irvine,
 Thirlwalls Letters to " Frime, and Thaekemy"s lettere, fmblished in 1ssa, are monally comd collections. Shefley is an auther not yot jutared semsibly ley either set of readers, lint it is emongh to say of his letters that they are neither so much above his petry as Mathew Armold womlit pawe ham nor :as far helow it at they atpear to $\mathrm{Ma}_{1}$ swinhurne. Tha letters of Mary Codwin to lmbay, written towards the clowe of the 1 sth eentury, atre dreply interesting: thome of kionta to Fanny brawne do injustice to the mennry of an anereigh purt, :und shonh nerer have heeri juimed. libit
 that will not har leine phanded from the stath on which it grew, and thase that ane nowatays tom





 alaci- in thin kinl.




 sumpeigh quality of this ermat lettor witer is her

an mmateborl facility of sympathetically realisine the rmotional experiemers of others, amb of admint

 of that wimmer interest in the smaller ammorere of life, abl that aptitule for treatimer ancial or pulble matters from the private amb jerablal print of viow which orive half thoir tharm the the leter of women. She tells her dimulter, to whmm she wrote with werlowing athempon for twenty dive sats, that the lets lura pen rom on and take ita own way. . . I -abluleme alwars without knowin!
 will he lomer of hort." Homere Wapme says of her,
 her iwthantane ame attarhes you wen to the spats stax inhahideal. 'There is nu writer whome inherrent sombuess hat bew repaid with a wamar love than
 intedmentat thome is las likely ever to he shaken.

Tha Eneli-h realer will fimb the form of the ancient Roman letter in the example perserved in Acts xxiii. The momern Enslish lettor ditfers fronn the ohler moly in heing somewhat less ceremmons and less varied in form. Thus, "sir' alone was unce nearly unversal as the form of address, but is unw consadered cohd. Arain, "homonred sir ${ }^{\text {, }}$ and 'respeeted sir' have ahmont disupeared, and unhappily also such beantiful forms as "hart and "weetheart.' Howell oftem emb with 'yours inviulably,' "yours entirely, "ynurs in no vulgar way of friendhap:' Horace Walpole mys bous very mueh, fours most cordnaly, and unce, tollamah Nore in 17 Ne, "yours more and more, Puritan writers ofton usel forms stranse to modern ears, such as 'yours in the bowels of C'hrist.' lbaxter jn his dernomen qustolure with l'eter Heylin delightfully subs; scribes himself " yours in su far to you are for the truth.," In earlier times it was enstomary to adh on the ontside directions to the learer, as " 1 haste, ha tu," and in otlicial letters even aneh pointed probueatives of sined as "Lande, ride. for your life.' Cmberlinimg is a detestable practiee, equivalent to a confession of weaknesis in being fored to borrow stranth froma adventitions aild, and erossinm is a device haphily practised ly hat few men at least, although it had its ase in dibys of ilear prostage. Many, however, inlulse in a pontscript. without which it is satd no lady's letter is complete.
The earhent suide to letter-writing extant is Angel
 Markhann, isentitle Come ited Lullers: ur u nost kiccellent Bundle of No te Mif (1GN). Forms of letters, with sunch edse, were daso given in the pmplas. Actorlent of Compli-
 ance: but, while: weatomally helpfinl, they are ly ma
 for many ridicalons phenses that are in too eommon use. but to then the world wes the masterneces of hehardsom, who, in his lithmes mpon is gide to comerpumbere, discovered that lar comble write movels that could melt the heats of the women.









 laxis) by Mr Herydew. I'he eoprgigh of letters remouns




## 








this hind were all onlinumecs, prants of privilege, Ae. Bat these cherks un antitrary puwer did not exint with rearal to letters de eachet, alno called letres roses, or seabed letters, which were folded win and sated with the Kinge's little xemb (ecthet), and ly which the mosal perande was made known to individmals or ta comporations and the ofministration of jumbee wits often interfered with. The ase of lioties the cached became musly more ferpent after the atedession of lonis SIV. tham it hal hewn hefores, amd it was wry emman for persons do la arreoted mon such Warrant, and elapyed into the Basille (чッ.) or mme other stateprisom; where some of them remained for a very long time, and sombe for lifo, either haranse it was at intombed, an, in other cases, lecatuse they were formothon. It wan mot always for pobitical romons that lotimes de eachet were obtamon): sometimes. privater peronts got tronbleame members of thair familios bomotit to reasma in this was. The lientomant general of the poljere kept forman of lettrex de rachet realy, in Whiall it wis only nevenary tor insert the mane of the indiviblablo tore armested. Sometimes inn arest-
 criminal- from justice.

Latts. a luthely of the dithanainu rate who in manmers, comstoms, and mosk of lis ing alo mot diller much from the lithmamins promer. They live in south Livonia, in (outhand, and Vitelnk, athd in the morth of Kionao in Rasia, amel mamber abont



 -ince the abolition of amfon thes latve made demarlable progras, loth moialls and intellectually. Their lanernate in not wo arelaic ats Lithman.
 puetry, [moverhs, rithlles, se, hee l'lmam, Lettisithe
 Lettische liutsel (INSI); aloo Von I)armola, Die



Lat1ure: (Lurtmu), a semus of plants beloner ine lo the nataral orded ('ompoitir, sub-arder
 supponed tu he at native of the liand ludias, but is mot known to exim amwhere in at will state, and



 flowers, and a froit willome matron. It is mow renerally coltivated in all jothts of Ela world where the elimate atmats of it ; and there ane many whidide, all of whelt may, honover, be requrded


 togather for batalinar the lattor with ramber leates, whide wrond wht wearer the eronmol, and








 flows to dry bun them. In milal winters lhey may lar kop lowly for platimen ont in phimg.

 stronerscented lathere (fo. rionsm) in distinnombled by the pribkly herel of the leaves, and
by a lanek, smouth seed, with a rather lmand maxth. It is fommat in smme parts of linitain. Lathocorom is prepared from its fresh gratherend
 a stromer and manseons, mareotio and opianm-libe sumell. $L$. provoris idorns with beatitiful blue flowers the stony dealivities of monatamsam eldits of rueks in some barts of Gemman, an in the? llare, Ne., but is not a native of britan, which, howeder, preserses one or two wher suecies in flatities revembling $L$. veroser.

Lellatiliat. see LELKAS.

 duet of the lecomposition of allmmanoms materials weemring in many of the juices of the ammal bobl:
 mat itentical, with natural lemene can be prepared artilicially.

Ledreipulas. the fommer of the Itomie solmat

 legimning of the bith century i.c.
 the damily (xprinilet, contabing a ereat mamber
 Cbuls, Jimmos, de.
 mimeral which nocur in the form of jemitetralmatrat

 I'Ju* colome is white, anderay or smoke grase It nomally routains many inthoibns, such ats ofivine, anater ant other mintrals, torether with ghas

 tain derge of domble refraction, believed to be dan tor emmlitioms of bumbal temaion existing within the rrystals. Whan exposed to a tempratare

 in which it eneurs labe a restrieted dimbibution.



 timprinloed himatif by lise story of the Emitarat.




 inereaber, while there is a simmotamons dimimotion of the real corpuseles. The diowase was motiow almose at thar same timb (in 1.nta) ly fohn llaghes





 chathere in sumte of the lymphatic tissmes of thir
 laramont of the spern, whioh monntimes attains








 hreith hamomen, hapmorthagen in varions fituations. nat oftan enlargement of the liver -ucomet ; and the disedse almost always prowes fatal in two or
three years at most. It may merbit at any ares : hat is most common lontworn twenty and lifty, emal in the male sex. Sothine is known ats to itrabrar.





 commencing lemeneythemian. lan after the dineasu is fally entablinded all treatment hats an yet proved mavailing.
 ley tha dintillation of coal-tar, and is isometie with quimbline.

Ladrallai is the terna applied to at white
 of andute inllammation, wiving rime to the fontation of eisatricial tis-ate on the ulcerated sulface, on letwern the layers of the errneat. It is sumetimes re-abonther an the ceradion of the indanmation. and the embeib recovers its thanarency ; lat in hany eanes it is persistent and buentable.

 applied to an abnotmat macoms of macopmatent
 is a proninemt wompon in mance forns of femake

 (1) antringent vagimal domelos are nemerally of me in diminiblimes the exeesove sectetion and the annoyance cansed by it.

Ledrefra, it village of bowtiat, in asmient (irecee, fanmon far the geat vietary which the 'l'hathas



Latule (F'r. Lombe), a town (prop. 14!)) in the Swiss canton of Valais, on the right hank of the limoms, lat miles aluwe sion. It is the rallway station, on the simplon railway, for the Pethes of
 northware! at the head of the liala gorge and the fran of thas acent oner the liemma pass. It hain
 anal lontels for the acommmontation of patiente amb




 matin many homs in thr water, tahking, realing.




 the jorminsmat that joimen it to the mainatand. It

 harklnime of the intand is ation of white lime















of thic inkad from lost to INoto: it wats oceupied
 atoount of the iskmel loy Jarkeh in Eir!mazumes. hilt, 95, to l'itermenm's' Milleilumgern (lssit).

Lenthent, a village of l'mssia, in lawed 大ilesia, 10 miles $W^{16}$. of Bresima, areleateal for the vietors
 tireat, with 34,000 men, orer the Iustrians mader Prince Charles of Lomaine at the heal of go, ono
 I2, 000 , priwnors, and 116 piecen of artilles ; the I'rusabans, bisom hilled and wounded. Thas result was the recompuest of the areater part of silesiat by the I'rusxians.
 Gmmm, in Wurtembery, in Nelt, was bromght

 -thelied and painted in Encope from lstl to lsise,
 He settled in New York eity in 183:, and died at Washinnton, Isth only lstis. His works inchule three seents from the lite of Cobmalmas, several from English hintors amd a mander depictinar "reuts in the war of the lievolution, inchading "Washimeton cromitug the Delaware. One of his bast works was the ' WVentwand llo' manal picture for the stairetse of the capitol at Wanhington.

Ledwonlooek. See LEEPWESHOEK.
Lavilliant. FlisNcons, traellel aml omithologist, was born in 1763 of french parents livinger at l'aramarilo, in Hutch (inianit. $\ln 17 / 7-80$ he studied matumal history in larim, and then spent more than two years in exploring the sonthern prate of Sobil Africa ( 1 Sist-st). Ilis death oreurred at sizanne, month of Epernay, on "20] November lsot. lle published acoomats of two of these expedition, not altorether free from imagimatise letails and exagrerations, moder the title Toymues dens l' Intericurele $Z^{\prime}$ Ifrique ( $1790-96$ ). Several books by him on lirds ate matred by the sime fanlty temdencies: those on Afriam biris, on the new and dare lime of Ameriea and lidia, and on parocuets are the mosi valuable.

Levant (from the ltal. Lectemte, the 'Urient,' or "liaing'-i.e. the Einst), at namme employed to desionate the eastem parts of the lediterranean Sea inn the coast romions of Syria. Ania Minor, amb lisypt. In a wider sente, it is aplicd to all the remions eatowat fromb lably as fat as tha Enphaters and the Nile.-Lerontines is a mame criven to perams mainly of liamk extraction bum in Turkey and the town- of the levant.-Lecmer is a sommy wind blowing up the Neditermatan trom the levant.

Fevere the lirench name, mad alan on the lower Missiscipli (q.v.), for :an mbankmont.

Levere oriqinally a bereption helal in the mone arrobledehamher at the hour oi bising (lar. leecr).


Levellers. an nlera-rephblican nect or batty Whioh became motienable in the parliamentary atus in 1645, and two suas latar prombad a fommablale mutinom suthroak. 'lhe chicel leader wav , lohn lilbome ( $1615-57$ ), who. whipped and infulisoned hy the star (hamber in 1638 , hatd rimen



 amd was whatiodly inprisoned for the treasm in lis pamphets. A part of the amy matinied in April 16it) in suppore of like views, and monn there were at thomamb insmentis, who wore -pepalily smommed near Lonton and forced liy' ('mamell into smormber.

Similar rising ehewhere were also swiftly dealt with.

Levellimer, Level is a term appliod to surfates that are parallel to that of still water, or perpendicular te the direction of the phanl. line ; it is also applied to the instrmment employed in determining the amomnt of varation from perfiect levelness. The instrument is a eylindrical Gass tuhe vory shohtly eonves on ohe sible, and -1 nearly dilled with water, orr. what in hetter, with aleobal, that only a math bublibe of air rematins inaide. 'The level is then mommted on a three or formr heged tand, with its emones side upwathls, and lis theans of a pivot and elevating serews is mate cajable of assmoning any required prosition. If the level be proproly constructed the bubble Hondal lie forectly in the midelle of the tube when She instrument in property adjusted, and at the sume time the line of sight of the teloneope attathed of the level shomald lee acomately paralled to the meface of still wator. ln ordinary levels this time mondition is seldom seen, ambl, insteal, two moteles are mane on the glas to mark the position

uf the two extremition of the bubble when the instmment is lovel. The tube and boblhle shonld he of comaterable lenirth to ensmre accuracy. The leveller requires two assistants, each furnished with a prole fromi 10 th 14 feet hish, and pradnated to teet and inelies, or feet and tenths of feet. If le wishes to meanme the heirht of $A$ above $I$, he may do this ly beginning either at A mil. Let the latter lie the case : then one assistant is phated it B , looliner his prole muisht; the wher is sent forware to C (which must be befow the level of the (op of the pole at 1 ) ; the survegor, who phatos him-- If between them, reads ofl the herinht loh, which he puts down in the back-right column of his book, and then turns the level $10 \mathrm{C}^{1}$, reathog wit ('m, which is antered in the frontsight colmme. 'The surveyor amil his assistant at If then take up mew pusitions, the latuer at ${ }^{\prime}$; the hack sight (a and the front. sifht Dn are read ofl, athd the procesm is repeater till one of the asoistants resehes. 1 . The exeese of the sum of the backsighats one? that of the frontsights grives the height of A alone l:. A little comsideration shows that this mothod onty lable true When pratised un as small meate, ami comseruenty in extenaive survegs the level (as fommed ly the above method) mast be leduced by an ablowance for the earth's corvatime. sue worlis ly F . W. Simmes ( 1884 ) and TV. Holloway (1ssi).
 of life. on the Firth of furth, at the month of the river Leven, 11 miles ly rail NLi. of Kirleaddy. I'op. (Istl) 1s: good adi-limks adjoins the town.

Levent, Lorm, at malt-water loch, between
 wrolwatal to a junction with Lach limmbe, near DBathachalish, amb bombenines to 2 b miles. Its menery is savare, athe the llow and ebbo of the tide wery shomg. Sie also lochlavex.

Lever, an intlexible rond-watut or lemt, as the tave may he-*nported at sume print of its length on a prop which is ealled the fultrom, athe having a resistence to he werembe and pumer to overome it applipd at other two primt. The general primeiple sowernins leven of all sonts is that the furwar atm the resiftuce mut temd to produceromate rotations remel the Finkrum, :and that thair moment- tha pooher of either of them into the shortest listance Intween the line of the dimetion of it appliattion and the fultrummust loe munerically equal : or, in other words, the pawpr and the resistance are in the inverse ration their ropertive shortert divatuere from the minum. Whan this is the cate there in eynilihrimm: when either "monent " predonimates there will lie ratation. These combitions may lue intilled whether the power P , the faldom F , and the resistance W -tand in the order IFW, PWF, or W1'I : and hence levers are popularly divile, into three elasses. In the first elans ( $\mathbf{I}^{\prime}$ FW)-fis. I for a straight lever, tis. ? for a lent one, equivatent to a traight lever since I' and W are parallel-we have the Balance (q. F ), the erate (when used for raising earth), the semat: or ats itomble lever. winoms and limere In thi seeond cla- (IWH, fig. 3) we have com has ( $\mathbf{P}$ the ham,
 lont-oats ( 1 ' the lamks, He $^{\text {at }}$ the rowlonk, the resistance of the lant, if the momatively fised powition of the uar-tip in the water). wheellarrows: and, as dombla lexan antrackere ( 1 ' the lame. We the nut, Fo the himed lat the thirl rian (WPF, tio. 4) we have tiohim: rods, whips, matrellia, and most motrments used with the haml alone, and chal- thal -nver tonse and many instanes in the mun onlar sysem-e.g. tho the"plomacle and fore:unn wi man (tis. $\overline{0}$ ), hio |eltul mavelo and homber, the pertomal minclo athl wind of hirds. lewer of the thind elaw



 di-lane latwont the ellaw joint and the bah of
 ratere at Ih. mian in the hame (ayting ande the



 or a lese resi-tance, acoroting the the ration of the arms. I mbindiary ultantase of hevers of the ateromel urder is that when a man lifta weight lay one of the lirst orter his power is limital in hif own weight hame in the lever, wherois with wne of the secome orler his fanh or pull is mparal,
 atrensth.


Fig. 5.
When a lave mechanical atrantage is required this may be ohained, without uning lars inordinately longs he means of a combination of them (as in tis. (6). Heve the levers have their arms in the ratio of 3 to !, and a litth conajleration will make it plain that a power, P , of J In, will hatam the weisht of 22 ll . But in this instance the partienlar defect of the loser as a medhanimal power how it enf prominenty: for if the 2711.

mass has to he lifted two incher. the buwer requires to act lownwards throndi ( $\because=-2$ or it inches: and, as the extent of sweep of the power cannot he largely incrasel withont incomsenience, the adrantaion of this eontrivance are contined within narow limit-
Lever. Chalese, a permar moveli-t, chielly rememhered for the rallichine imn of his trinh
 Ife -rathated at Trinity college, boblin, in 1 sat, and then penmeed to dintingen, where he stumed metieine and anderghently momed to bublin to complete hiv academic career. Ilis most p"pular
 lege life in Doblin. and many of the incilnonts in the nusel, as in mony of ha late pooblimen are drawn from hi-awn aperienco of the world. Prab. ally in 1824 and certainly at able time letwern
 harkwoote of fomatia and Jorth Amoticat, amt -uksequenty amhalind his mpriemes in (tom
 he prationd mediefore bint at kilmoh in "omuts falway, amp aftemath at sarime other comatry towns, cullocting matolial tor his storion of hish -mmery life. Haning marrid a Miok baker, ho
 While there wate Ihwo lomrequr, and atterward







 where he livel fire sum ther, and phblimed the
 and wrote lientant (ioshol, and thenee to Su"zoia,

 dues in rapin succoriom. 'Then, suldenty athl
 Forthes of cilcurome follosmal ly a twly bixh stors, The Dlatins of (ro-Martin, and the Giffons, tho bero of which on an Emelinhman travelling on the limtiment. Lever was then,
 vice comal at spazia, and contimond to write.

 Noments, and contiblutin"s sume rase lapers to




 thooght than han of the homeryor shom, and

 his lobilliant and racy whetehes of a phase of invil life which was paning away men at the sym-
 that daver still lives. and may comtime to live when Ireland is as dull as lineolnsiate and ax

 whene lie fell in with a great momber of Peminsita am Watermonlicers, and collowed a was stom of raditions of ther great battow and of thome who fomght them. gives an additional zent to many of his bobke. 'llow are all womething mone than there


 ing and waywal life, and of hiv awn motaso renius.

 of ther Irish whacter. The lriah of to ilaty at least are singurla matike thene permed in the mevels
 litions of thes chantry hitwe aldered in tha lant cisty yous, a meat deal of what wan carelusely
 hat hilliant caticature has hath ramonsly enomath
 represutation of life in lretand. Apart from hifowers an ariter, lawer wan one of the mosi Frilliant comsersatiomalists and ond at the most
 cmality, he was at home exorwhore, lowing



 lvix. 1. 743.
 fear of it atge.
 Fram atromomer, wa bem at हt 1,0 in Xos

 "mployed for same time molior the baded ion the








 appland himatif to dhe catminathom of the diatury anem in the matime of tar phates, from whith


tinns, directed the attention of astrommers to the puint in the heaboms where, a few days afterwards, the planet Neptum was actually disenvered ley dialle at Berlin (see :lho Absms, .1, (i). For this leverier was rewarden with the dirand (ross of the louinn of Homor, a pofessmslip, of astromomy in the Faculty of Nipmos at l'ints, and various lesser homomes. Whan the rablation of lsta broke out lemerrier maght histinetion as a democratic jolitician; the deprotment of Lat Manche ehom him in May 1 sat io lo a member of the Lorislative Assembly, where he at once
 Napoleon made him a suator. In lsid Leverrier suceseded Arago as ativector of the ohamatory of laris, an otlier whelb, saw during an interval of three wars ( $150-73$ ), he held till hiv a leath,
 . 1 rm . de Chem, des Srieners.
Lavi. the thial am of Jacol, and leah (tien. xxix. 34). He in compingons throngh the part he took withs his hother simem in the shangter of
 promencell this enme om ham both, that they

 the familios. theme of (Emano, Kohath, amb Merani. At the distribution of Pabetime no tribal lemitory was alloted to them, but may fortyeigh ratteme cition. In the lematrach they
 hoy might mot perfom any priently furtim, the wiesthom lwing resered for ane Latial family, that of Aamm. 'llo lixtom of the Levites has
 that Lavi in simply the pangmons an"estor of the Levitical rate and busuresoful ptiorts have luen made to dony that havi was orignally a tribe at


Ladi hane lum Ght July 1 sel at Amoma,





 Ihstan! of livitish (bummore (142): Wion and lts
 (155:5): Internationet hime (15s7).

 motime the crocolile. Aomm think lhat in las. wii. It remerote the grat prothon which

Levilat. Vhds, a dowisl grammarian and
 man Nenrembry, in flan, the of the then


 in latna, finally in limme (liont). ('ardinal legilia here herame his patron and pming, hat
 "xporlerd this cily, lugedmer with hiv Imwish
 "here la lisem for the most pat matil lis death,



 mar: and athandic and 'targumie bictimary.
 batly transateal buxtorf, Mimsior, lamins,

 Holleri, lmo Ashtrumsi ('the (Eerman'), Muherhar


Leviles．See levi．
Levitiens．Som Pextiteiche．
Lavonsia．Sue Nerosin．
Levokit，till 1swe the capital of Fiji（9．$\times$ ．）．
levolose．see stogis．
Levy（Fr．lore）is the emapulary raining oif a
 manity for purpose of gramal defone or othence when the pristins military form ato insulicent to mand the momesition of the rave．When a country i－in danger of intant insation a lewor en mases in somether made i．e every man


 claw．an to men between dishitom and fonty yam of age．

Lewald．Fisvi，ferman mowelist．was bom
 141．Imt promesed，histianity in her seventemth vear．She lwean to write when alnont thirty，and from lato liwed in herlin：in 15.5 she matrien

 was prerhape the mont impront woman meliot in Comame lurime the midhe of the 19th century． Whe way fransed of keen powers of observation， ani wrote in at solsor，mattor－of fact style，which， fowere wat mot incompatilile with a strong nuderentent of restrained ferlinge She was an eapeciatly cothasia－tic champion of the emancipa－
 lier into contliot with the Gomeses wh Ilalm－
 fully paradiond in Dompom（18t？）．Her best thok


 part－of Eunan with har father and har homband
 were the mot sablathe chatome of these fommers．

 S．of Lombon，in pietamandy sitmatel on the ＊atern declivity of one of the somth lawns．at


 10．on－．Tha chief minent of interent are the
 hore the fumer hailt（luse（a）hy William te


 Which town on hixh





 Whiof dade in in eqm，math，waln，amel lime．whilat nax－pay






 work－by llow－fiell（ 2 who，1421－2゙），Mantoll





left school early to entur lirst a motary a onlice，and than the home of a liasian herehat．he next tried walking the haspital－，hat comald mon stand
 proceaded to diemmat，and ramimol there nearly two years，sthlying lim lim，Jumpage and literat the of the comitry．In his ratam to Limiten hat fell to work writing ahout anythog and ewors－ thing as at Penny Encyelopadios ：mel Morminy Clarmigler，as a contributur atherwats to a dozen more jommals，review＇s，sud mabiames，and an enlitor of the Lemher（15．51 in）and of the Font nightly
 ＇heman life，＇says Mr Prendric Ilarrison，＇as a jommalist，a critic，a muedist，a dramation，a hourapher，and an essavist：ho clned it an at mathemationa，a physist，a momid，a homant， a peychologist，ami the antho of a symem of
 rmbered jumible．Ar Jeslie Stophen puinte mut， las（ieore Eliots literary matmon．Lewes was married whappily and had chikwon，when his comertion with her hergun in duly 14．it：it ended only with his leath at their hame in legent： lark，Buth Nownher Sご．An intellect mew and sharp，if not remakally atrons，a wit lively and piguant，if not very rich．sympathies warni， if not wide，and at style as dirm as it is graceful， made Lewes one of the low of arition and hios braphers：as a pumbariay of phinomy he was inferion to nome，an a panalariser ol elence inferion to very few．
llis works，lesides a tranchly amd a couple of novels
 （1845：recast in the iol edatron of 1 wif as Thi Mistor！el Philosophes ivem Thutes to（unte）：The simmish Dramme．

 which is much more than a mere trambation：the allmir

 （io）：Studios in thimel Lete（1mion：Aristotet（1sid）：
 of Lite and I／tul（ $n$ it Fi！）．its five volmmes dealing with ＂The Fommations of a（reetl，＂The Physical lacis of Mind，＂The Study of l＇sycholugy，ant＂Mind as a Fone－ tion of tha．Organism．＇See biltut（tivelitiE），with works there cited，and an article loy Anthong Trollope in the Fowthightly fom otamary 1s．a．






 and Plariat Chareh，ovaril，whrme in lsen lar















 linflanl．



























 are lappily formoton：hat two line at least

 and in kis ho inherited from his father twa large estates in ．lamaicit．Sil to hottor 1he comblition of
 Bittle－Vat forsook the suciety of the l＇rinces

 fuminhorl matwial for his we really valuable
 I＇romeritor（1x：3）．On hiv way homb，in the linlf of fobrida，he died of yellow forme lath \aty ISl心， amd wat lomied at sata．Set his Life amb Correr spumatron（2 rols．153：）。

 （67．．7n）inlathitant -

Lewisia，a gema of planta，of the natmad arder




 ande are highty sulated ley the Indianm ats matritive，

 is fommi in litah．

Lebiston，a rity of Mainn，on tho Indror

 of in fool，：mal the waterepowe is dintributed hes a






Lawiv－with－IIarris．at i－land of somtami，














 lewis，comsints matuly of hill，mom，aml mos，
trovionsathd atmont shoblows，with muelı peat amd frablwater lakes immmerablat．Lows than 4 prex remt．of the entire anta in in cmltivation．In list
 Nacheraias of seaforth by sir Iamos Matheson



 Le cesiam（ 1 ，$\overline{5}$ ）．

Laxiconl．Ser lluetuns．vis．


 （＇imeimati．It is a lambenme rity，its prineipal
 antl the state lunatic ashom．The lime henry （lay monnament also is noteramthas．＇There are mandictares uf minits，homp，stmal．＂operially，of

 the firs homel of tha Fermbation wa－thed，April
 uf the eight mimate－ment whan foll in hin lime
 unt the Jismmi liver，ta milem ly rat ont hy


 proty villate of Viruinia，on the Nomth liver， ？miles NV．of landhare is the termime of the danes liaver and hamawlial（amal，and contains the Wixhturton amt lee lumersity and the Giminia Infitary Institute．Here liofind li．lee


Wed Talionis．the law of revaliationt，conamon ：anomis all anciont ami hatharons mation，ly wheh



 ly rail ！miles N．has W．nf the llasum and al iv．of 1 trowht．It is a tygimal lintoh town，









 in the world of leamines：figotinco lbwartes，

 （imbatre，have all rither stmind in tamoht at Lavdin．It was fommad in lisi by William of brimpe an a rewat to the ribiams（they them solves sulating this then in preferome in at re－

 － 11 the present time it i－fretuented by atomt soo


 valmalle miantal amb bimek Msis．： 1 hotania



 Ve，bitian mommotnt－：：






## LEYDEN

Theas of Leyden．He family llioris all matives of the town，aind others．Here tow were laman some of the Elfesirs，the collebrated pinters，whoriuried ont a brand of their hasiness in leydem．inm ．lahn of leveden，the Anabaptist．＇The pasimt and picture esifue lown－hall dates from hät－！



 Werf，the bom of the sieme．Ia the arntre of the town stanks ：un ohl fomd tower，which is

 for its mambartural ibhth，laize，and cambet．
 toretler with the manafienme of rutom，twins， and sarn，the dyeiner of choth aml leather，de． are still enmimi m．I evelom is the wote of a selmon of mavigation．In 16.50 the pepmation mmonered 100,000 ；hat a century latiry it had fallen to there－ guarters of that momber，and be the berimoiner of the 19 th century to 30.0 mon ．In ish it wis 40.7 Ot ． and 46.379 in isso． 1 in $1 \times 0$ at portion of Lespen was destroyed bey the explosion of a hatre haten with enmpowere on one of the canals．

Leyden．dulls，poet and oriental seholar，waz horn，the sum af a shemem，at the village of then holn，limburalnhire，sth september 176．5．In 17,00 Le entered Edinhmuth［ nioersity，and was licensed as a preacher or＂prohatimere of tha thmed of sentland in 170ヶ．He frownd ann arinut and enthu－ siastie stmlent，with a bumer for kowledere，which led him inter atulis ont oif the rantine ind luling
 native tolent aml varied gifto and attamments， in pites of his memath mamers，sedured hinn tho attention of some of the most eminemt persons of the das，inclmbing Con－table，Henry Nackenzie，
 Camplell，and libllatid Ifeleld，loy whom he was intronherd to keote．He aidond the lattor in rather－ ing materials for lia Lomber Mimshelsy，contributing

 the worls of a hallal whid were iwanting．In． Wizs also a contrilator to lawis＇s Tisles of 11 onder．
 of Eurnumans in Vartheron Inel Nistern Afrion （ 1799 ）．Jeanwhile lis translations and origmal

















 thast tuzay matar of the mint．Jamwhilo he


 pertar：and at latavist，in the axploration of ：



 hit hallath：with their matriellents moldely hato
taken a hinher phare than hin lonser poems．Noxt sfter seott and lhoge，saty lrimeibill ohatip，he
 altaimments as all orbatalist were extmondinery ：

 －peaks of him as exto in atate of axematment．


 as of mildle statmre，of athletie lmidf，fatomen
 What mulyy eompluxion，amblight－hown hair． Levalens chief literaty womatas are theliminols rliserlatiom to an edition of the fimmple！mt of
 Literalme of the ludne（＂hmese Natimme，printen








Legden，Lotes Vix．Soe Lreis．
Leydandonráar Lydenhuras，a town in the

 in mintals，and gold has heten worked since 157.3 ．

## 

 was lom om Isth ledmuary 181.5 at Intwerp，in which dity most of his lifis was seme and where he died in obith Augnst 1sti！．Ho was created
 bost mondomartists in the style of the ald rlemish ma－ters．Hin most valuable and most character－ istie pietures are inspired ly the private life and －tirring history of his native land ．．．Rambramet＇s





 －Jnstitution of the Coblen lilecee，and a sorion of fromes in his own lining room reprosenting the
 his lifo were oceppiad in fainting sis scemes from the hintory of Antwerp in the hith contary on the walls of the weat hall in the town－hame of



 ＇11になった。
 of＇lilut amd sumed aify of the lamaint limlalhists，









 inges，rhielly tomplos，smblwidual in hetwom．








## LIANAS

thoir rown all sibded : this is the abome of the cirath Limat (see Lamaism). If lobala is the Vatiofor of the lindilints, they have their st leteres in the temple of Lahrang or ("hokhans, which overlomkx

 of budilhat ami imases of several onluer motabilition of the limhlhist fath. Sear the noth emed of the "ity samb two fammos temples, known as liamo Chlas aml Norn, the munks of which fratetisa sorcery and mand amblant depros in the same.
 thase komon an tha fonr liner, from the heats of which the rewent of 'lilnet in always elosem: Thiakpui, tha medical maversity; Dationang, the

 of which is whe of the highest dignitaries in
 mon than the pechesiastical and religious contre of lare Binlilhist fititl: it in all important 1 rad
 Inlia, l'abhmere, bimma. ('hina, Jomerolia, an! Thormbun. The pincipal article uf eommore is tea; mat to thic come siks, carpots, rice, tohnam, borses, wheels, mank, Enrmpean inm lmdian minns.
 of Kitsmairio, who, thomgh Moltammedams, we
 Thu sexdent punalation, exclasive of the wistison athl the monlis, is alont lonome. The mamber of immates in the imbividual monartorise ranges from


 Who, thombther an not sit on the supromo combeil of the liman lama (who is alses the rivil

 tion is, howner. armerally amombuted ly a float-

 go ahont with purfort fremdom: they stain their



















 (.July 15!日!).














puliey was one of mondation: expecially did he thdeavonr to awsume the dierete ranconr of the rebinions quarred ly staying the hame of the
 of the luguisition, anill by fromoling meli conformores, de. as that of lomes. lint after the

 "haneellomship. the prent the rent of his life in retirement on his estata of Vigmay near bitanpes.
 IVis Latin poems, mereles, memoirs, de. were phalished ins mano in 1 sold 25. Sue life by Villo. main (new al. 1s:4) and monomraplas ly Tailandier


## Liability (Limited) Iets. See Company.

Liability of Employers. An emplomer is in law requmsibe tor repation of wrong or injuries done to strangere ly his servants while they are acting within the romber and seope of
 the donge of the thage from which damage arises, or whe a servant wiffolly or malimbsly does an injurions act to serve his own private emos the master will mot he liahb. The Dimpoyers Liability
 to workmen as to maki emplosars answeratile ta their servint for the ne figenore of thone to whom they have delemeted their anthomity. lt gave, in colatherse of injory preciliol in the art, the sime bisht of memation do workman mainst theif em-



 men inntracting themandex ont of the act. 'The

 liable to their workine for all injurios arising ont
























## Liar Fail. See (mind lltus. <br> 

 in the form lionos (fomm lice, tu liml), for the







 maze of livine network, and ofton hy calless at thick ats thome of at mator-w: Mang jatto of the forost, is in the allasial reyions of the Amazons
and Orinoen, thus lameone impanetrable without the aid of the hatchet, ame the hasts whidh inhalit them either pass throngh namow onverod pathe, kept afen by continnal nse, or fiom lamoly to lmant far above the grombl. Nany lianas-as
 in the thekness of their siture, and atom kill hy constribtion the trees which wrininally suppoter
 tions of the lianas maibit at wodmetnl mane uf ronfmann marnitioent in the laxmrianee of foliage and thowers. Nutronial thwerserel in splembor thome of some liants. Amoner them are fomm akn
 (smidax, onter Liliarear). The ratan- ( 'alamms.
 are liamas. Ibotamoally mariberent, lianas belomes to omer- whinh are often ? ? inte dindent. Tropical jlants of thin deseription are seldom seen in our hothonses owiner a the dilliculty of their cultivation.

Liats. The lian in the lowert disision of the Jurasic syome (y.v.). Thes lats compering it may he emonemed an the arrillacom, lasis of that series of rocks. emosintime of morn than a thomeaml font of altermation- of elay and limestone, with hat a few unimportant alepusite of same. It comsints of tho followinty stune (200). Tonver Jias (!nol)

Tha I biger lias comanis of thin limestone beils coattered thromgh a ermat thicknose of lone chay.
 han bean wrotoght for alom alt Whithy. Alowe this eliey romm sanly drymite. The Narlstome js an arenacoona depnait. lumblaj together either lys it ealearman of formamom- cement, in the one
 the ofler into an irm-thes, which has ben extensively wrourfit luils in than now and somtlo of
 exten-ive thinknum of lihu rava, interminerleal with layets of aryilacoman limandma. In weathering, the thin lant of bhe meray limestone beome


 whonere it is sulpuad the miners mame lian or layr-i-merived.
 organisus heing woll pradrad : the tishos are often
 animil. with the fin- and soblom in theirmatural








 adaptations in thoir tructurn whirla titten them to lise in watro. 'The mont motewostly are














imppla, lolimately, in sint, low stom down in his mative eity, where he dial abmot 393. libanins was 1 ho enstmetor of cit Chrsorstom and St binil, who at wats romanod his frionels, thomert libamias
 Fmperor Jnlian. llis works, whim are mostly axtint, comsint uf mations. leydabations. Jetters,心e. The most pomplete enlition of the orations and eleclamations is that ha laniske (4vols. la!l9\%), and of the letters that ly d. ( Wali (17.3x).
 lubis).

Lihanlone Ree herdivin.
Lilnation (Lat, /ibms, 'to promr ont '), literally, ansthiner penored out lefore ther wols as an act of Jobitace or wor:hif: a lrimk otherimer The tem wan- ofton extmoled in simification, however, tothe whold oflering of whel thic formed a pat, amd in Which not only a little win was pumpl upon the altar, hat it small cake was lail uyn it. This cuntom pervaled exen in the homes of the limmans, who at their meals mate an oflerimg to the Lares in the lime which hamen upm the hearth. The libation was thas a mat of luathath "grame before nutit. Fums a late as 1 ha las yuarter of the 19 th centary Jr lisut foumal at Siabse tha spomete or likation fumatel wint on the thor heme drinkinge.

Liball. a spajurt of comblaml, limsia, on thelbiltic. by rail l4t miJm W. lys. of Vitra. It
 draw 17 :aml 15 feent, and free from iee ricept for low than a formight in the verar. Jo importanew as a point of expmet has meatly imoreased of late varas. Its exports, consisting of graim, lin-

 or more (Ibritisli trade constitution a fouth); its imputs, chietly coals, herringe, artiticial mammes,
 thinlo nearly half of that). In lage- 4.5 the Russian rrwemment prent $£^{2} 2,800,001$ on monstrotin, a first

 tion. The imblostris inclume jam fombling, lnew-
 ascasolde revol. One of the chamehne romtaina an

 of ( Cermant mathomality.

Libul is any puliliotion loy puting, witing, jatintine or the lihe sers, tombine to injure the raputation of any one or expmas lime th hatand or


 mation. Jn artion fow lilul will lie thmarli it ran


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 rombt is tahan into incomat when embuernsation is awardont.

 the matter was palili-herl of him faldy amd mati










the alministation of juntion or atilime relatinge to the pmbir serviee are involvol. Thas, etamments
 ly an olliew to his xamerion canot athed at anow of


 the act complainel of criminally, the memely for a libe is by indictment (anally after promedine
 criminal information. This lise is either lileding the Ittompyeneneral himolf, in which citor it is called

 Divi-im on the aphlication of -mme private imdi. vidual. In er fflem infomation is manaly for a likel that mems to threatem -ome dinger to the chate ; in the other kind of eriminal intormation,
 it must he -hown that the orinary remery in inaplivable.

The mot. - 10 dreat, of the crimimal law is wheh here comprohenive than that of the rivil latw. Thus, a pixamer may be promated for fibellins: a deat peram, if an attempt tor hine contromp and seamlal on the leceasid's matase
 linhed to at thind party : it may have hem directed aratinst a company or sect, and not againt any partionlar individuat: it may be quite orme lut undes its publation was for the pmble adsamtare (even thic limited lefare wis maty intro-
 amwor. In all there cave tho rivil lat athome
 themorlves to dende whether the matter was liful. lan or mo, leas ins morely to the jury the flumion of pablication: lat in that year Foxs. Aet Alememed and chated that the jury should have power to
 the whom matter pat in iswe apon the imblimunt




 are mot at the prewent day of probahe ocentenes.





 correr expurition of the pirsent state of the


 Linod Ant of 143 the defomiant in any antion for



 (1) pay into comrt a sum if maney loy way of











 matters of fuxitication may be some into, and that
 tine not exceding fow for linds of a trivial char-
abter. In southat the law of libel ix ditherent in - mime impurtant reapet- from that of Eadand. The Whef perints are: (1) there is mo radial distimetinot lotween likel and stambe, hoth ate oymally de-
 for wombed ferlines: ( 8 ) libed and sander aro antionalle, thourh not what is techniwally tommed in Enghand pellostay i.a. commanicatool to a thirel
 motected by the rommon haw of soothan than by the commin law of Bimand, thoneh the rxam limit hav not lepen juficiatly settled: (i) the sontch syatem of publif promation moders "rimimal darges for libels on indis idnate matromely rare.

In the I'nited states the law of libel follows the fommon law of Englanl. ex"pot that the so-cilled fodition Law ( 7095 ) expited in 1soh, and has merer bom renewor, and that. wemoully suaking, it is a ralid dofence, whether in rivit or riminal proeenlims, to show that the mater comphamm of was
 Lag howerer, is much further extembed than in Englam.

Lifel has sempal oferial legal mbanings. In the Enelish anitual rome it is at Aerlatatom ur clatse drawn in in writine on the part of the Jaintith which the defembint is ablierel to :anwer" In the "isil and "riminal emats of sentland it is the form into. whinh the complatint asainat the defender on panel is put. It is alm the name
 in a charch conet in sontand.
The hating English toxt-hork on libel is Oigers (et ad. 1siot sumpement, 1s(4). Larlice treatises hy starkie and Folkard are now ont of late. Frasers Leth of Lillet in its relation to the Presin (1ss.9) : and shortt's Lano
 uscfulfor reforence. In contlinm the special tratise ly
 Erokne do bell supply the luet information. Einthrie
 snled.

Libere se lider.
Liberals. Su Whm:s.


 ato miles. The lommatios in the interion are not A-temineds. but the remblia is momidmed to extent inlans for ar ditathe of eot miles. Tha
 trehimed at helt it sand dmes, is ravered by miner

 lumin for live into madulatime mands. The


 serem and the lry vamblive monthe. Tlue coil is

 mathion. 'The mone imputant artioles of expert








 Amorican colominer somets, which in low bomoht land on this roint and wetllad :a small

 bure from ular lonitel states, and fremb lauls
continmed to be loughti. In 1847 the itede amd
 and it has enlarged its lommbaries at least form tinke since thens. being joined ten vears later hy the Nemen repmblic Namblad (tommed ats at colunt in Lsel, at at republice in lajt), to the atiot of t'ilue Pahnis. The constitution of Lilmeria is mondelled on that of the lonited staten: there atre a presilent atm llome of lepmementatives (las
 members), tected for fom years. Do white man
 perty. There i* mo mimbime ambe lut all eitizens eapable of bearines amm ampembled in the militiat. Slatery is deelaterl illowal. (omplete belimbaz twhertion exi-ts, the Methoiliat formo fresabing. The state deht amomati to flow, oro , hat mo interest has ever hefor piad simere the loan wit mate
 are kejt indenlam and ands: and linelioh weights and measures presail. The repoblic daen not enjos much favome in the eves of the native Nerroes. nur set of thome in the ['nitent staten, ath hourgh a fow immigrants still continue tustre from year to year. Sot only lase the libmrims fatided onmake any inure-sion on the ahariminal inhabitants, the ferolle they were sent to eiviline, hat they themseltes are relapoine in many rempect. towardo bix-
 the worne manmers of the whites, though there are some homomable exceptions.

 and Wanwermans, Leferia (Brussels, 1ssij).

Liberifis. a native of liome maceeded to the see ui his matise aty in 35\%, un the leath of Polu Juliu-1. For reduang ta combin the elecree whicl eonilemned Athanamion he was in 35y hanimed to Thrace by the Enaporo Constantins. Lint thee years later he returned to liome, expelled his rival, Fraix ll., and reanated himeli on the pabal throme. He died on etth beptember sitit. reed Dales, and ITHANASLE:
Liberty, Equality, Firaternity (Libmete Eyulife: Fratermote), the motto of the Fremols liepublie, dates from tha time of the first revolution. Eqnality, it smonlo bus mota, nomely means Equality before the law aml the atmone of elasm pivilenes. The motto nive 1 itlo to a work lyy Sir
 IBNNET. The ensom of phating tress of liferty,
 during the lievolution.

Lilnonlone a town in the Fremely drepartment of limmole, at the conthrence of 1 he l- le with the
 It is mon of the anciont frees tomas fommers by
 clothorg an manulactured. lin. (18-2) 12.713; (15! 1 1 \& , 2 1 .
1.ibral. the seventh sions of the Zomblate (9.3.)








 ineamible only to a privilewond few. lint publa. litrarion in the momern remae of the twem ins.
 of knowledge-hase eninten in the mont remote
antiguity. A early as 3stll vears B.C., according to l'rofenom hatee, situm l., the semitic mater of Aceal, fommed such a lihrary in hat city. Ileme Was deposited the ermat work of lialos lonian intro.

 herper of siarons: lilnary, lhai sithm. the nowe
 lif seal, which is still pextate lilmatres of at similar kind were fommel in all the elico rition of


 lished in the prabee of Kosingik at Ninebeh by As-urlnampal. This wreat libiary was libli in
 lememis, amd the acience of divimation and demondons. The books were on brick tablets, pitymon and leatloer. The mumber of tablets is estimated


 Fave leven remomed amd delosited in the British Dasemb. The libary of Amombanial was intombed for thr jublic foom. In it mote appended tor a writters it apm tiblets. . : I howe placerd it in my fatace for the instruetion of my mbjeets.,

 to the liharian at the inseribed with the remuisite numbers.

In ancient Forypt there was an immense litera. ture, and liodorus biculas reacriles the libaty of

 of the Boml. It a later jerion the letolemes of Larypt vied with the kinge of lersammo in foming mannitiont coblections. An arownat of thomemtab. lished in Alexamhiat han alrealy bran riven (see
 dicece we kmow very little. linistratus is the mont andent collectar named hy frepk hinturians, and
 sitid to have inmpred the anerelons of ligypt with the taste for collectiner.
It is chatacteristie of ameient liome that the first
 of the smils of war. Emiliun liamlas homght to
 Nacedonial. Lacullas forment a laran coblection of


 loblin, 39 Ros, which les apmopmiately plated in the temple of liburts. dalins (amarintemuled to erect a pablic libary, hat left him dominn to he



 It Bexantinm Comstantime beroms for collomt the
 ingrinition of liox letian.

After the irmpetion ai the larimatims the wark of








 Ennemal mas ine mat in this matter to hase led




Touss, urgel Climilemayne, who win zealoux in the resturation of leaning, to semb into britain for lowhes. Smong the more fommon libatios athroan masy be mentioned thone of the monizatis eommunities at follat. Corvei, and st fall in Cicmmany, Donte fasino in laly, felenty ami Closmy in liranee. 'The bonks here stored were nathatly in large part theological, thomerh the
 of the contronts of surd libutare may be satheral
 and some other similar lists printed by Elwands in his. Lemesias of Lilusaries. It is sabil that no lens than 600 catalogups of monatic collections are preserved in the library of Munde.

The perion of decline in monastic leaming in Enmone wemerally eninebled with the revial of elamidal atmbles and of secular literature: and the
 albe ambition of pinces and private porsons. ftaly wats in this reprect expecially distinguinhed.
 enlletor, wrote a treatise urang the establishment of pulnic liburios. Niceolo Nicoli at his death in




 Amondermate andectors, at an earlier diate in (ireat britain, Kichath Amgersille (q.v.), Jinhop

 a collection, chiolly of rombares, formbery Ahber, W"omestershire.
britain wan, lowever, hat sinhty tomeleyl with thespint of the literary revival whiche elowhere lod to the cealons whertins tosether of the tolios of antiguity. 'lhe destmetion of monasterges and the prejulies of the lieformers leal rather to a recklews restruction of bookix, and the lith centary wise it dark and ith the libray himory of the nation.



 Jolwarl V'I. Mid momethiner, Mary amd Elizabeth wor little, fowath increasing the royal libnary. Drehhinhop larker amo othem make at ereat athort to imhuce ? after the pattem eret an lis the mare viviliad nathons, as Cimmany, lably, aml Framea. bat withont suromas. The wint of at nathomal libuary comtinumd to lee falt for another century and a half. In the reine of William lll, the writer of :


 sinme fallen into deraty to the ereat dishonome of
 there shomhl lue a new myal libatry monted atal supportal by : yearly revenue sotted on it low proliament. 'Tha porased was mot carrial ont, hit




 tromeghont tho hinadom. Sir Thoman bulloy









valmalile aceession to its coblection from Drammond of Hawthomden, and at the close of the century ( 1682 ) the Faculty of Alvocates entrustea to sir litorne Mackenste the tink of billing up their libary. 'The maversity library of t'ambritere had been fommed in the list enemory, lut received a
 It is now estimater to eontain mone than emo, omo volumes. In London Archhislop lbanoroft fommed
 cribld of the chers of lombon and its sulbuls, fommed a library in liveg. tiome libnarits wore also entiblished in some of the Englinh lowns -Lederter, Jorwich, bristol, and mot:ahy Man-
 for publie use a library which at ont time was linerer than any ont of Lombon and the two mid
 colleges of the univernitios, aml of the lums of ('ourt, also deserve mention, for, thomgh not always larqe in monner of vohmes. they uften contain valuable collectims wits suevial smbjerts, manu-


All these libarion an a molde posesmed little or
 מrowth ujou private donations. Ibolley, however, alotained from the Stationars Ilatl in 1610 at mant of all hemks there entered. By andet of parlimment, 14 ('has. II. chap. 33 ( 1 tites), pinter were ombered tu prosent copige of meli hooli- 10 both mivarsities


 that two English innersitios, the four seotish

 to the royal linary parad with the gift of its


 and the Kimes Imo. Inthlin-thor making in all

 banly grant in combernation was matle to the outher sis librarien, hased an at alculation wif the







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 minent part, lates fom lios. It mow entatas abont
 "inly yetre of lat loth antury for lehime the rat of Varole in tho momber and valu4 as well an


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 aml. evan atter tha fommatam of the bititint Ansemm, dililum wase em lithle contented with its abmalan'as that haveratial lia opinian that "the
 Tihary: DBt in ther mitalle of the leth century





motion of Wiltiam lewart, M. 1 : for Momfries, was appointed be the llouse of tommons to report on the heat means of extending the entablishent of litrarice freely open to the pulife, eomedially in large towns in (ireat britain and Jroland.' Defore this commitee was latil a map of burure (printerl in the report) exhithiting harions shates the relative provision of books, in limaties fublicly atecesilhe, as compareal will the bumbation of the aceral eonntries. On thin map the mallor dierman states are representeid by the lishtest lines,
 with the darkest shate or purest provi-ion. The statisties furnished in illu-tation showed that in Saxony for every humbed inhalitants there were $4 \%$ louks: in lemmork, 40 ; in Bawaria. 339 ; in Tuscany, e61; in Prowia, evo; in Austria. 16: in France, 129: in lelsimm, 95; While in treat Britain there were only 53 hook- to wery humdred inlahitants. It may hee romarbed that in 1850 the IBritish Masem in jrint of mazatme atood fourth in the list of Eumpean libraries. It now holls the second place. The following table shows the increane of the Enoberan libaries at that time containing over fon,onn whlunes in the course of the next thint-me sear: :

| 150. | 1897. |
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| Lerlin, Liryal Lituray ......... . . . . 410,000 | 706,000 |

Mr Ewart: hill, wivine 14wer to rertain di-trictto evalali-h iree libraries and th tax indabit. ant- for that pmonne, pawed into law in 1550 . and las ince been surdementel anmended, and extemberl to lreland and contlund lye acts of 1 sis,

 the amonit of fopulatho: a meetins of the rate payers may he ulitained lig the rephisition of ten of their mamber addmomen the town-cmancil or other lueal Inard. :und the :ulnotion of the act in Heciled by a majning ui thanepreme at the meet. ins, or, if the lucal anthnitim mefar it, the will of the majority mas hum whaneal ley the isone of sutiner paper, inteal of the conveling of a puthic. mostime. All such librarios are to he open to the public free of charge. Smum of the laver towns at onee tomk alvantage ni the ant. Wanclester leni the way in l-5.2. The librarion of liverporl and Birminghan were openoul in 1 sio. Each of these libratien now contains bat than 100, ono volumes.

 intabli-hel under the ate. Thon war later the mumher hat increan+ th cightyme. A emplet. liat of plates where the ato hate ineat indoptent, with the dates of their inloptim, fmonihed he Mr





flow Enaliah act was extemted to suthand in 14.0. athe the hive thwn to potit ley it wa



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 -thantus, served many of tha parpor on -nch at

tion as well as a legal library ( $8 \mathbf{o}$ (hno wols. in all), foumled and maintiined hy the society of Writerto II.M. Signet, was eaty of aceese to strangets.
 In 1ssif, howerer, the city was pormated lay the munitient domation of Xr Andrew lamesie la mahlinh the lire Penhic lihars, which was oprened with 30,000 volumes in June 1 sot. Glaw fow is still withont a lihary under the int , lint The deficiency is in omall juat onpplied by the Ditchell Linary fommed hy a heplowt in the late Stephen Witeliell, ame ofiened in $15: \%$ This library. Which has rapidty frown and is anecially ridh in lucal literatnre and keotioh peretry. now comtans arer so. 0160 volnmes. It is opron to all jurnmo oner fourten year- of age.

In bindin the limary of Trinity followe netams the eopright privilere, ant has $2 \underline{2}$, , 40 , whmes. The kings bun librars, fomded in 15 s , whith. as has lown sith had the rapright tax commuted for an amual smo. is compratisely mall ( (in,000), and retricteal to membere of the legal proforion. The Natimal library of Irelaml, atablinhod in Dublin in $15-7$ and tranferred to a new jnibline in 1s90, was iomed in part lis the collection of the
 rolumes. It wat faced umber the shienere and Irt Departuent of somh kensington, anl is in receijt of an ammal srant of thuo for the jumblan of homs.

France is remakable for the manher and exellence of it- prominejal librariee men to the public, while its apital is later powind than ans other city in Enmpe. The Libliothemb Natimale. which is the lacest in the world. in of amoment origin, and contams the collections of many French kings. It- monem history may be salil to date from the lihrarianship of Te Thon. In 165 it whained the rizht of two coples of enery hook
 century it was thrown aren to the pmblis. It the

 inss. The levalution emblat it with many fur feited ablection- it private perams and roligom-
 ermment grat for phrclaves. The mamber of it bhmach is now well suer three millim. Fomrtom oflier bibraies, most of which atr open to the

 mumber of wolmenavalahbe to the l'ai-ian realer. Theme are monewer, a momber of mani.ipal libnata in the city. The most mitahn fron imetal librarien, from many of whicla lonh- ane lent ont, aro-taking them in the order of manntula



 Frame is the abrol library. In lntio it wat

 of the arhahmater, in the bar of the chiblan, then
 ly the departurent and partly loy anmoment grate. In he there wow atreaty mathinhed



 for wr mitide the litario. liorlin has ome
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the minhle of the letherentus. It in the lamest eollemtion in fiermany, and is prationlandy riel in incumabula. 'The mamber of printed whane rontained in it in eximated to eveerel amillion, and it
 forts nint librarjes. 'The rosal libuthy, fommed in the Hith renturs, now eontian- ath, 000 valumes.

 is an eximple of rapid momoll. la wat estab.

 enjoss the culs privilage of Wiartembers. 'The

 thent ate hati-atmillion volmmes, and as many in the nomersity of Leripios. 'The unisersities of Bom, limhin, limata, (iattingra, Jlatle, Hedellerg, llman, 'Tabinmen, and Wurzhury ematain
 burer L'niversity linary, bmmed in 15.0 , in twenty vars' time connterl bia,000.

 wher 100,000 bolmmes, and that af lbmitunet nearly hali-atmillion. la Vionnat the imperial libnars, fommand las the Emperan Fremerick 101 . in ltud, acepuired it large fortion of the fathonlibraty of corvinus, abd since lsos hat hecen entithed to the cols privilege of all lrooks puhlinhod within the empine. It is eatimated to comtain athont 500,000 tolnmes, of whish $2(1,000$ ate Ns. 'Jhe maiversity in the mane city is atso in presemion of the copy privilere, and has ahont
 rether there are in Vienna more than a hundied libramien.
lials, as misht le expecturl, is rich in old
 natiomat libury of filogenow hat wele foo, ofm volmmes, the natiomal lihrary of Miham hitm 300,000 , and that of Venmor han the sime. 'The roval libary
 two libanien with an many. The monernitien of Bologna, (femoa. Nayles, Joisa, and 'lomin have librarien of the first clats. Ibut all these viehl in intarest to the Vitiean hibray at liome, which is probably the uhdent in Emope. In mere mumber of lasols it is execedeal by mony, lat its 200,000 printed volnmes are of the ereibent salue, amb it: 25,000 JS. precion- in the wall. 'llar Vatican is the private hbrary of the jogle, hat solohars can grin acoesm to it by fremisain. As yet, mafortmately, the want of eatalorges is at drawheup to its usefulnes. In liome, alao, the gublic library, Vitomin Eman-

 lion, wat mate up in preat part from the whl
 shypemed religions institutions, and now contains abmut hali-athillion priated folumses and Finn NSS. The rembiseated momatic lihmajos helpal largely to woll the itraregite number of volmow

 of publie libmatem ahemaly in exi-tenew, while at mithy : 10.0 were med for the formationt of mone than for new emmmanal lihmarien. la lats all
 the national librarien, the maversity libatios and
 tuthority of the miniand uf lublie luatroction,
 compilation of thoil matabogem, the kerping of



lamest clans with 10,000 Dins and more than 4h, 00 printed volnmes It enjoys the copsright privilege for all tombin puldinded in the himgolom. 'J'he Exeorith, thomeh much smatler, is valuable, and the same maty le said af the umiversity libary of čalamanea. 'The national

 lare momacipal lihrary of (iphto. fommed in 1833 , wa emiched bis the colledions of sulpresed teligion houses. buth thon libnation elatim coptes of all bow prablinhed in P'orturat.
 the pablie. 'Jhe libliotherue limale at braserels (with which were incorporated dae ancemt hibrary of the hakes of lamombly and a laze part of the bobluntists" coblection) contans more than 350,000
 privilege of coprioht is acombed to publishers only on the condition of their presmatior eopies of their publication to thishbary. 'The maversits
 volumes, and that of hience mane thath 100,000 .
 inguirers. combaming from lou,000 to more than domble that manhar in Smberdam, the Hagne (roval libans). levern, and lotroht.
 begun in the middle of the lith contury, has more than half-a-million of whomes, imeludiner a rich

 wo copice of all brok- jublianm in the kinglum. The misersity libary in the same dity has almort
 enjors the privilome of the national eoly tat.
'The largen enfloetion in sweden is tha' royal bhary of Stochlahm, with alom 270 , (hom volmmes. The biniversity library of Demala is mot for behind. The univeraty library ui (hrintiania, in Norway, contains ahat 250,000 volumer.
In linsia the maversitien of lompat, Ilelsingfors, Giell', Doseow, and st I'etershury have hiraries of mene than lou,004 whme enth, lat they are nut gemerally ofen to other than members of the several lumber. Tha inurerial library at st Peterslurge, fommed at the bewiming of the lstlo rentury, is, Lowners, gen to all persons ower twelve peats of ates, and in the number of its printed broks as well at matmacripts it supatase the roval library
 printerl volmmes and abont $2(6,1) 00$ \LSS., some of which are of the hirghes wathe. Dhere is preserved the fanmos Codex Sinatiens. This Jihary has nown largely sine the lentming of the l9th century It hias mone than doubled since ls50. la laí the law repuired two ropies of every fullikation in the empire to ha alejosited lare
'l'he Lnited state of Smericit have mot hat the


 the more reeent alpurpmiation of flae lowlas and treasumes uf monastice labses, Doreoser, the states, mutil Jsing, showed emmpationg little intores in the institntion of fulble libraries ontside the miversitios. lat that sear the Lotal mmber of
 could her sat to he ateresille to the polblic was estmatod at righty-umb, eontabining anmoner them

 the smoke riny of Jaris. Ther mosement in farour of frow publice librario dow phate in America abont the sume time ats in limelamb, and sine that diate nowhere has the arcumalation of lomha been so rapid ats in the states, amb mowhere hat the

been earried to areater perfection. In lsit the
 eontaining upwards of 12,0 it 9.00 m volnomes. In the mildle of the century there wat mo library


 that of llarvard l niversity, establisherl in 163 s . In 15.50 it was estimaterl to contain in 1011 72,100 volnmes. The number has now rinel to more tham
 anmatly, Sale Collown, Sew llarm, which hat m
 OHicial liharims have loern fommed in emmection with everystate. to whirla abmision is free. The largent of these $i s$ thr lilnary of thr state of Sew York at Jlbany, nomberiner about $1+0,0$ on vohmes. The binare of eomeress at Wa-hington, whirla includes the scientitic corllertion of the smithsomian lnotitntion, is the notional libary of the Thiterl states. It clains, under the coprinhit laws, two conies of every publication, and has in adulion an anmal arant from compress of nearly
 will when completed he the largent national lihrary in any country. lif the free town litraries the most important is that of liostom, fommen in $1 \times i 2$. In Jixl it had sai, (000 volumes, and now las 620.0no. In Penn-ybania there are 483 libraries, with a gross total of alont $t$ wo million volumes. Other freat libraries have been established and endowed for pmblic use low the mandience of mivate indivilutuls. The A-tan Lilurary at New Jurk, fommed ly Jacob Antor and amgmenterl by his som and Eramison. w:l- "woml in Init, ame was ahle
 hihrary, also at Sew York, was established in
 of over a million dollars. The Astor, Lenox, and 'Tibiten librarien were inemporatod ly a law of 1s! in into one having t, Dot 1000 volmums and an endowment of Ex.mifonn). Another motable donal tion was the Newhory hergme whith beeame
 for the eatahlishatent of a free pulnie library in the morth division of 1 "hicares.

In comada, as yet, there are hint few public libraries. That of 'Tomon, mablinhed in 1883 , haw, however, been a matrkerl sucess. It now
 parliament at Othaw, fommen in 1sis, has over don,ono volmex. In Anstralania the libary movemant in striking doenor mot. It was calenlated in 1.nit that there was a publio library in Viotoriat for



 "if Vintonit privilacon like thon promend by the



 in T:armaniat formate.
The literature of the subject iv at lare one. Nanagrapde haw been writen oth the prifeipal likaries, anmont and mondern ; and rejurts on tha nathmal librarias

 semeral history will bee fomm in the valuable semes of






 from a bihour? by II, b. Wheatley (1 mis); Thi

the Laters of Pblike Lilhorites (lsw): the little treatise
 On the subject of libary mananoment and cognate sabjects much practical information will be foum in the volumes of The Latorer! Journel (1sidi tor the present tinne). New lork: the Crunstrtions sent /ranecdents
 in The Lifow? the present wran of the assuciation, edited ly hr M'Alinter. I'etzhohit's Kitucchasmors der Hithothekfothe will be formd a useful hand-book. Compare ako the articles Biblomaphy, ljooks, bunk-


Lilmation (from Lat. libro,' a balame, meanins an orrillating motion), a term demotiner ertain mosemonts uf the moom, chiedly "fomeat, which have an important efleet on the apherent position of the lmar formations. A short study of these reverts buzaling elamares in their plate from night to minht. 'llowe near the edge of the rlisc dinaplear and reapmen in a seembingly irregular way, while contral fomatoms apmoach or leave the contre in hammory with thimmotion. These appearances are
 its erlole spems to turn slightly romme to each side alternately, so that we ree a little further momd her ghobe on all sidne in turn than we wonld do if she lept alsolutely tho same fare towards us. This motion, an it refer- to tho north and south ederse uf the mom:s dise, is vallad lifrotion in lutitmh : as it refers to the east and wost edges, it is called librotion in lomentude. The libration in latitale arises from the inclination of loth the lamar envator and urhit to the ecliphic. From the sedation between thes two factors their eflects always reinForee eath othor, so that when the mom rises alme the eclipetie in loer orlint slie ako inclines lier under sille tor us, amel whell lelaw the ediptio, her mpled sine. The libration in lomentule aries from the unequal nemed of the moon in her orhit (sere lloox) cmmbinet with her semsibly miform rotation. the is thms sometimes liefore or lehimd hor mean flacon. and we can see a little romm her wert of cant erlye
 of tho earth will alan trond his jusition are at little
 for intomediate proitions the elleat hat intromediate values. In the same waly an oberver in the tropices
 momb, as lar is earried from west to east by tho carth: rotation. These etlents are hownon as the


 rive tol $2^{2}$ '. 'These mambers refer to har atprasent di-nlaroment of lunar markings in hame latitnde amil lonicillula.

Liluretto (Ital. . little bonk'), the bmek of an
















 alome, in that, aftery tha Flimet /metromme, la

 of all at prot. Imyden, Aldinnts, litelling, rhat- $2!9$
terton，＂Jonli Lewis，Voltaira，and lonsseatu， besides shomban，Jieknom，and Nark Lemon，have


 de．



 profemar oi Nathemation in thas matronsty of liat．









 An entha－ionte hilhomaniate．he fomm means to


 his ablanter ha was tried，amd romblemberl，in dint




 at Fiemole in lialy．

## 

Lilyya，tha namm ören by the ambient wen
 Erspot，EAthophit，fand tha Athatio．


 The lundy is that，the lense are shent and firmoles
 the oye are single．They line an or partly in the skin nif vernorates，namally mammalm，anl shek
 ＇nit－＇are attachad to hairs， feathers，and the like：the yommer
 they may monlt at menal．＇lhame －prevew ineme un man．The hatas．
 the acalp；the From！－fonme（ $I^{\prime}$ ，aessti－ menti）lis：its arges in elntles，amb


 Thtlo moltiply rapidly amb give


 loy varoms（r．s．white pmapitate）












 Clい。，d！。

 traile in intosicatiay ligmors．Ilant tratur was
alwats the chici sume of the revenme derived from

 Was embodiad in the（＇onsolination $\operatorname{lat}$ of 1506 ， which is the hasis of the asi－tingres．In lase the malt daty was abolinhal：lont heway and distillers


 pirit，or wind mat alat takr ont at limmer．The

 1sss．

 thererat trante in ligtore has hern parent．for more


 fron the magistratus home taking ont hivereise

 bint later arts latye frabgh all fert－homese and

 fobd une at bear for the wrant allal remenal of

 licenses ate whatiol ly the sperial seroions，but they mat to contimand loy a commattee of the


 ＇The license thas arantal amd emblamed is in foree
 ratht need not attend in formon males．requiret by
 hhe motice has been riven to the applieant，and Midence most be given wn math．Dasivates in
 all！；they mant hatio the parties failly：hat they
 and there is no aplotal from their derisimen the apliation for anew license．Even a lionse－labler （：anmot cham remewal as a riefit；he hats mo vested inlorest．lint renewal is，in fart，very selhom
 suitahte promises ；fand the practier of the magis－
 atiowne is treated，for eertain purgmops，as if it were a vealed intereat．Jrobate dnty is paid on the value of a liceme hell hay a douromed promon：

 for the sale of hrink to lie eormamad all the premises are muliject to mbes lese strint than thowe which
 requires ne confirmations：and the sermands on whirla it may be refoned are limital amd defined by



 confunct：bat parlinoment is mathore toral with







 lat layland all partion some form andit that the





and shrtened the hours within wheh ligum may he eoll．Nince the pasing of the led of $1 \times-2$ no bery importat change has hem made in the latw： hat the temprance faty la fant foman varime selumes of lowal netion，by wheh it i－promed to

 prohilit the sate ai lignor altanther．In ham the sonermment propered to am the comes comots with pewers which minht have conablet
 the erbeme of commensatim fat forwation the fromment wa－－ill recemed that they were can pullen to hon their ponsala．
In sostand the lienting armarements intor duced liy the tome lrammond dot of lyos hear a general resemhlan＂e to than whish ware estals． Tisled by the Eneli－h act of the athe yeats．The

 atto of lote and 心hi），the eflect of which is io prohinit the sale of hepror hetwen the homes of
 ands．a．a．，and harine the while of smolay．The fur－tion of groers linmore hat hen mach diw atomed in satland，and in 1sin a Ragal Commi－ －ion roportel on the sulject．See Hewar＇s Lifom I． 1 irs fine sor，lionl．

In Ireland lieqning anthority is pxercisel．as a
 is similar to that of Endom：it is，iowever in orme juints more formable to the pmblican．The dreme of the law and the laxity with which it is adminitered have led to the maltiplieation of licensed honsts of an inderion eharater．six－das licenses＇were intronned by an at of hat；and in 1sis total clowing Sumber was mate part of the law far all Jreland，exerg in the five lareet tom
 for reatrictive leni－lation with ragard to the sale of intoxicatins ofrinks in the Pritioh colonges and in purtionsoi the L＇nited Statm，se Lugol Laws．
Licentiate，one of the wh anverity Derrets （q．w．）．Amons Predutmians a limentiate is a per－ son licensed or anthorind lin a peaytery to preach， and who thus hecome alinible tha jastoral charge．
Lichen，the name of at rmp of shin dieeases． very variguly emplowe by diharent writers，hat now generatly reatrictal to can characterised ha ＇ther development of solit pursistont papmes whin $h_{1}$ numeres ont little change till they gradually dis． appear．＇The commmer shin ermptions fomery called lichen，$L$ ．simpltar and L．tronieus（or ＂prickly－hrat＇），are athertion forms of erzemat． Nome of thene retained umber this name is common．

 from the irritation of thick worlth sirments worn nיxt the skin．L．srefoluesar＂m i－a pale，rem chromir paphlar eruption，sombther ment in deli－ cate．rhilalich．L．plomens on rubire is the mont Charameri－tic and important of the eromp：it manion－itorli in raionl that pratelose of a dull－



 yi．l．

Lichonin i－：tard fihe lundy fomme in Jorland



 starit．

Lichelos，familar plante whioh form enconting Grouthe on rask and atomes，on the shan and

eartsitorlt．They arm comman in acry mine and at atl levels from the sembene to thi momatan
 bate．stony suriace they slonly hide the maker． mas of the rock with their hat inrmatatime or
 red in colome．Emerialy famihar ane the whlos pateher which hamify mil wall，the hame thits


 －urs ive pohngeldesimatim．

In wifi lhe Pary hinterl that lidhens were not －ingro phant－in a clace liy themedom．hat that thes were domble phant－rach made mio of an iminath（emblinatom of an alda and abme． Thorear later s．lmendearr vithally atah． lishold this so allad－du：il hyputhosis． －As the proult a my re Whtrenes ha －als，＇illl there ！rimeth（lich en⿻）ate mot －imple minanta， nat individual． in the orthans veme uf the worl：they are mather colamis． amsinting of handreds and thenciants of imitiviluals， amoner whith， hawever，ame dominates． while the rest in perpetanal eaptivity pe－ biare the mutri－


Fir．1．－V゙sma ladutho in finticose lichen，natural size：
u，fructifications ；fi dise ly wheh it is attacher t＂hat hork of the thee． ment for them－ selves aml their master．This mater is a fumens， a paravite which is acenstomed to live uran others work：its alinen are green alsat，which it has omuht ant，or indeed canght hold of and com－ pelled into its service．It surromok them，as a pider its prey，with a libmos met of marrow meshes，which is gradually converted into an inz－ puthabla covering；hat，while the piller sucks it．prey and leaves it deal，the fumge inders the ile for fond in its net to more raphat activit．

 Fimet，Trent， leer，omlstahl， and is atceptiond lynow，thongh it in onls finir tu ati）llat it i－ －till d－ainol ani Mentol h
 Laidurllichorm l．wiかく Tho jumit of tho． Hower i－Imo． finl：the 1 mo
 af ciall hame





 therther tha wometibe alman and fand which in





 fanni to form different liathon-: bat it mat be eleary reenminal that the arotomary combinations
 amblemmive mandentantly. Is to the physin-
 here to motien that mot like tilaments from the
 and the mbotratum, and bian this innmonic material th the alos: : that the latter, like all green pants, are able in -nnlisht to oplit hy the earbonite


 while it is likely chengris that the wate promete of the fanme ire in tum milinem hy the alyat.


 funcal fashom.) Tu the curions momplomentary anseriation of fongi amd alorie to form liolems, a
 and other, in reward to Kadiolarians amd some othur animals, with which 'vellow cetls, o!'symhiotic alira, live in habitual partnerohip oee Sismbonay Lichms moprate lis opres developerd in vinions ways forn the camponent funsus, but with thene the partner abse must lee sperelily amociated. Insme cases, indeet, fungal--pmes and almal-cells are lihemated tomether. Anothro freguent mome of multibliation is lis means of bood-hats, which eomsi-t of a fery aligal-cells plan a separated jurtion of the fungras.

Host of the liehem-forminge funer are Diseomy-


 smade of lichens, for the clanilieation of whels reforence mont be m:nde to the vited literatare.
 into the substane of which the fungi sometimes semb numemons filamonts, and they are thms the proparat: of wil and tho formmers of ligerer
 is Had for food :und medicine: Dieimber Joss (Chechmine mumiffrome) is the fomber of the reimbeer,
 thre of it sort of limaly: piements known is
 tomtorite ame $l i$. fumeformes, buth marins.










 Fior the warks of Johow, hace, Treub, Tulatio, and for


 15: (M)








ppires, the rentral giv feet high-alates from the likth century, when the Dereitu som, fonmed in

 quently thenee to Corentry, wemathlinhed here at its original seat. Despoilal, and with its central tower beaten down harine the siome of himbliehl ba the parliamenturians ( 1643 ), the cathedral was subsequently ( $1661-70$ ) ethectively repmired, and of late vears (1860-84) both the exterion amd interior have been most albly restored at a cond vereeding $\pm 40.004$, whilst in lsiss a statue of g?n+en Victoriat hy the l'rincess Lomise was phated in at niche of
 adjoinine the cathentral, is the lishoys latime (1687), and had hy once stom the bist le (of which (10) traces now renian) in whiels litelama II. leld high revelry at christmas 1397, and where two vears later, aftor his deposition from the thane, be was conlined a prisoner. Amongst other editices

 two luspitals fommen $14!5$ and 1504 : the thoological eolltare ( ing the site of the thentre at which Mrs Sihlons mate lier first apmarance after her marriage. In the history of the town the principal incilents, other than thase noticed alowe, lave been its partial destruction ly lite (12:n) ; five visitations of the plagme, whish in 1504 clatmed 1100 vietims, ant sol in 164.46 a great stom (lis.3) which bew down the steeples of two of its chmeles: and seven roval visits. $1 t s 87$ hishops inclumest chanl, We Clinton (who eommented the catheral), De lanertun (who mbled the Lady Chapel, now thown into the ebnir, and rieh in statued gras lmonght in I vor from the assolved monastery of IIerckenrole
 (anterlary: llatkrt (who carled ont the restora. (inma of l661-70), Iluml (the tator of Ceorge IV.), and (ientre Angustus Selwy. A statue of Itr dohnson was ereoted in $183 \mathrm{~s}^{\circ}$ in the market plate, "presite the house in which he was hornt and which
 from the hanis of spoilers (Jotes and fateres, Nowember 19, $1 \mathrm{si}_{8}^{-}$). Amman resilents or natives have leeen drhmole (fommer of the Ashmolean Xuseman at Oxforit, Bishol Nuwton, Ibr barwin,

 wives the title uf Eanl tor the fimily of Anson.
 fordshior (revised ed, 1stt), and berefords Lich.



 where he herel the ehaig of Wathemation from 17:0 till within it few reats of hic leath. on 24th
 1-at) incuived him with is bow for thinur English;
 a witty commentary an llorarthe coplotpplates,







 "me Marimen ames Limhtendurogs siduriften (with



Liefitenstein, a tomn uf sasony, on the liodlitz, 4. miles siľ. of leibim. Pop. 5395. See alny LaECHTRANTEIS.

Lick Ohservatory is hait on the lowest tise feet of the three smmmits of Wome llamil
 ．lose，I＇：liformia．For its erection aml rmapment
 Ameriban millionaire，whone remains and intered in a sanlt within the fommations of the pier that support，the great telemone．Thin intrument has
 requiriner it to he＂superior to and mowe powerfal than any telecope ever yet mande：＂and it is pro－ vided with a photographeat achment which enables it to be wed as a cigantio camena in the photo－ graphy of stars．When completed the ohservatory war made orer to the U＇niverity of alifomia．tex Protewor llahens Mandmok of the Lich obseratory （Nan Franeizen，しーい）

Lidtors．Nee Cunst fisces．
Liddell．MExhy lientie juint author of Lidulll und soatt＇s Greok Lfrimion，was hom in心h．and edmeated at Charterhouse and Christ Chureh，Wiord，where he took a dombe tirst in las．He was made theor of his colloge and in the profemor of thoral Phibomply in his universits．After acting for nine rears（ $1546-$ 5．5）as heal－nater of Wertminster school．he returned to（hrist Chureh as dean．From $1 \times 50$ to 1 －t he was vice－ehancellor of the underwity The Lerven（19＋3； 7 th and delinitive ed．Issis） Was hased wh the fierman one of lawow．It mon
 smatler edition was jwned for the nse uf selomo
 fellow－workme wa－linhart sont．］．11．（1sill－4．）． master of hatlinh（ 1 ar -50 ）and lean of liocheserer

 dembhip in 1 sel．ond died 1 th Jannary ligs．See Lite las Thomporn ly： 10

Liddowale．licximgh－hire，the valley of the Lidmel，whoh flow－2 mike sill．nar or along


Liddon．Himhy Parhy，I．D．，was hem at
 the woll of in hav captain．and at the are of seven－ teen went uf frm kins－folleqe schom，Lomben， （1）Chri－t（＇lurell．Wafuri），where in lasin he mrahnated li．A．with a seromdeflass in elassies， ant in 1 ab ohtaited the coveted Johnon then－ lowiwal selmandip．Oplaimed in wor as semior

 follow．He wan apwinted prementary of Salim－ lomy tathedral in what atme wasport preacher at
 Ir limhon was at momber of the Alehlomadial






 G－ity，when he wan（reatal 11．1）．and homary

 wine the tham rane it is andoratorl that ho

 －hoteh of Wilter Kerr Hanilum，Bilume of


 Promors in liat：and in pompuntion with br

 a prownm intluence man the thonght of the
time，and many of them have luent pimindent，
 Witherione the semmens fothend lofore the mo

 Church Divipline Act of 1 sit，and at wamly

 He took a areat interet in the（＇niferenore for the

 fermee，writing alon a peface for the same wonk． Ganon Liddm wan the mot alde and efoneme exp－
 heen engaged on the Life of lor lawe whon be died suddentyat Weston－super－Xare，9th in ptember 1890.

Lie．Josis，the most promarnomelit of Xomay， Wa－hom at Eker．near Drammen，on Gth Nownher



 Nomay，enterially of the li－her－tilk of the weot ronat．His jomplarity is the to the sumhine of himblines－and lelicate petry that light－up his lambs，to the halthy tone of his writing：his findely （1）nature，and hiv wenial lmmour．His lest nowels include The 「isimaty（150．tran－1494，whind raphilly ran through halfa－hozen vilitom：The Thre－mester＂Futme＂（1s：2）：The I＇tut and his
 editions were exhansted in the firs year： $6,0 \mathrm{~m}$

 The Commemeler＂s Denqhers（1s－6）：the excellent Wheried Lifi，（1857）：and Ifrise Jons（1s49），the life of a Christiania reamstress．Jomas Lid，mon， over．has juldiahed two collections of shout stemis
 （ 1860 ），amla a－

Liebig．JUstes，Fremerin box，chemint．Wit bom at Darmstadt on leth Xety lat：The leent of his mind showed itelelf ealy．Ile atmoliod chmontry at Lomm and Erlanem，amb in 1 we went to Jaris to prifect his stulles．There he was introduced las A．von Hambidt to Cay－lamate． who took him into his private latmators，and almer with him proved that the fulminatos are indentical in comporition with the cranaters．Hum－ lublt two years later secural for himig the atmint－ ment of profemor of chemintry at the unisority of （ifenen．Thi－chair he eachatged in lase for the
 Amil 1s：3．In 1wis he had lwen ereated bamon （Former）．Lielige was me of tar mot illu－tions and froitinl chenisto of his age not les．remonand for hia insentigatime amp diemerien in pume －hemintry that for him researehes in appland
 tion le efferted in amiand wethoul hath for his hiohly importamt appliattion－of chomital hrman－
 inventer of the extrant of hari ：ond ble probared
 themghout bla evilined world．Ha wis the

 1！th rathers．＂Wanly ematered with hiv werk in thin drpirtment wite his mandurn into the nutrition of phate． 110 fanght that sald of tho nom wolathe aline ingremianto fomm in the ith is camential to the life and growth of the pitat，ame that the fitme wat thom foth the will：thin in ＂umar of tim＂＂xhatase the sal amb mates it



weather. Tha- he divected attention to the eycle of trancmutation betwern the mineral, the ve.g. talbe and the amimal limgitms. In the depart ment of animal physulogy he mate motable con-
 amones ofher thime that the heat ai the animal

 motritice mathes: that difinemt kime of fome


 that - Funtanom- .onamation in the haman haly is an imporihitity. The phenomana of ternentation




 Anilliant instanconion the :4pleation of the methots

 from the stany of oil of hiter almond and is derivatives. His invertightiom into tho constitnente of alenlal and is derivatives led him to "Inche the exiting riew, that of the Frenchememist Dimas and Bonilay, who regated alrohos and
 leniod the existence of the blehant was, and believel the en compands to be derivatives of a ratiche ethy, cominting of carton amb hylu. gen. In the comre of this inguis he elidited for The firt time chlornform and chloral; amb it wan while investigatime the conversion of alowhol into acetice arid that he dinerered the compund allelyale. Then, by the chaver use of the ine of the
 in iletermining the chatitution of organi, acis.
 of hiohir mas be mentimed the invention of silve. costed mirmos, an easy method for the preparation of potasir eramile nows laysely used in eleeto.
 and hiw methonk for analying mineral waters.

Whom Liehir lesen to teach there weye no pimbice chomical lalmathere intarmany. By his initiation one wase tablivere at tionens: and from that have
 of the Geman and other misersities. baidn stmulating the staly of amitry in this way, her














 Hoflatim (



 at the Sthenne fonal in liowe, from whirh her





 Disilles I'entantioute, oder dus Murblen allo.











 Emma. S"parated from Switzelamil om the west

 monntamons dixtrict made ul of the lomhap of


 stanes. Tha inlabitants carry un agriculture rear cathe, and maltivate the vime. They are cacmpt from military duts. Liechemstam, with mareal other chall states, fonmed the fifterenth member of the femman Confeleration motil its diseolution in lsiti: lat in the l'ham, in full commel of the Ihet. it hat a reparate vote. The Prine of Liserhlematein, whan fanity in ame of the most ancent in entral Eurape pincemen exhmine estate in Austria, Promiat and saxomy. The little state is a comatimtional sowrignty, and is mlad by the prime ami a legisatise arsembly of liftern meme hers, twelwelerted ly the perple and three liy the prince Liechtemotuin helonses to the Austrian
 tim shetens. See work by Filke ( 3 wols. Viema,


Lisqe (tier. Lïttints. Fleminh Luili), : aty of Inhima, werpina ficturesplate at the ron-

 lat 'hapella: in Germany. It eomsints of the old tonn. hailt on the hill that werlowh the Mane on the lift, the new wan, lown helow wh the right
 Ereat mandacturing indastre. it is a hanafiful "ity, with elemat himen, himatmur sumare and crivhus, and fine rhmelen and private homes. It-
 old citald, lmitt in trion, on the high gromel on

 dertormd by the French repmblans in 17a, and









 are the former hishors palare, himith the late




 with valhalde "ave remain, a libaty ai 110,000

 mining dietiet. lide. is une of the firs man-
 the matinis of thearme, ui whim it tman unt
 twiee the mumbrof biminghan ind st Etione

iron-platos. tarether with. in at womblay domare,








 nity of primo of the cmple amb bor the tite ont



 sions: and it froplontly hapmomen that an new
 cathe with a furaton anoly at hiv hack, as in 16 th




 once numb lay the Fremeln in lioz. The Congres of Vipmat a-somed the rity amb the pipenpal territorien to the setherdands: but in 1sol they were inearpmated in the new kinerdom of beloriun.




The provirer of liequ. with an arra of $1117 \times \mathrm{m} . \mathrm{m}$.
 belyian povincer of Limbmer on the north ant Lusemhnaer mo the smath. In industry it ranks sucomi amome the fowince of Belgimm, with onefifth of the totial onitput of the kingdom. Amomert the imbuatries munt be mentionel the wombla, irm. enal. suel, zinc, leat, silver, cutton, clath, manhinery, tirearms, straw-hats. de. Cheesel limburys minl hater are tho most valuable of the aterientaral promucts. Very lare mamburs of
 in lysti durarly a million.

Liegnita. atown of lrmainn Silcoin, on the
 town lates from the and of the loth centurs. In
 an their plate of resifone and fom latl to lbis it wan the rapital ni the primejpality of Lifunitz. In the neighbemmand W:ablot:alt the Dongol-


 Frablerick the lipat rmatal the . Whatians umder














 Thare is ath $\therefore$ areption. however, in tho aime of








 -














Lierré a town uf linginm, 11 mile hy rail



 ( 1896 ) $19,3140$.

Lientenant (Fre, from Lat. lummefmens, - haliling the pace of amother*), a temm ajmiod 0 a varimy of oflec- of a mpresentative kind. Thus, in militits mattess a lit bement-!puctel is next in rank to a berneral, it lowtomet-rolomel next to a cohonel. IBnt the title limatemant, withme yualilication, demotes the comal whicer :and leqnty, of locum-temens, of the trong hattery or combinus commamers. In the hanse and lifel artillers he hais a listinct commaimb-vi\&one seetion of the hattery, ronsisting of two rrme wilh the men, horses, and
 abonlete rank, wan the sublatern who commanded the colonels combante" in cach reciment. The bay of a lientemant varies from b- fil. a may in the
 is the rank eriven tor otlicers on tire joinin!. comp.
 which formerly exi-tad.

In the Initi-h nay liembnant in a mi-nmmer, and combers no aldeynate idea of the rank of the oflice brarins that tith. Dis functions finm the thm, uf hin promotion, and for some risht years attewarlo. correpmomi wenerally to thote bit a "aptan in the enmy, with whom he ranks, and hix































Suh-lintionent-fomerly mate or pased midhlij-man-is the intermediate rank in the nas letween mid-hipman amblientenant. When a milhipman
 his examination in somatinship for the rank of
 suls-ljeuterant, and is semt home to juin the Nasal Collewe at dreenwich. where he stmbios for nime monthe previma to paring hic that examination in navigation, mathematic. Ace; $\mathrm{l}_{1}$. then hat to
 alan an examination in pilotage shmbly he suc.
 for examination, $\mathrm{l}_{4}$, is famoted at ance to lientemant, oflow wioe he is contimed in the ramk of mbllieqtonam, and has tor serse at sea in that rank until his than for fomotion comes romil. Thles - butially prombed, sub-lientenants have to sone alomt fun reas lufore oltaining their promotion. 'The obtaining uf a lirst chas in all subligects is therefore an abjert of considerahlo imburtance.

Licutenantecoloncl. in the binti-h arms, is mominally the secmal whicer of a resiment; hat virtually it lieqtenantobomel commamls every battalion of infatry and resiment of avaloy, the pat of eobomel beine merely an homaralate sine-
 to a rembilab for the diecipline of has hatalion, the comfort of hiv men, and ultimately for every detail emmectel with their orsmisation. In this loe is
 mastor. In the artillery and oneineers, whe the rank of colond is a -ulintantive bank, with tannible regimental dutier, the functions of lientenant. eolonel ate mome limited, one having charge of every two or thre hatteries of artillary. or two combanios of pasimerrs. The pay of a liputemat-



## Eientenant-general. Sed fixelinl. <br> 

Life, in Biohes, in a general term for the exter-
 tion to it- usirmment. These relations mas he referren th the organism at a unity, ur they may
 phetels, in teme of the physieal and chemat change in the lin ins matter, betwern the hatits
 there are for hisher flate and animals, thete intermentiates erule of interpretations-in cemo of

 and lower limits of oborvate oxganim on tha one


 rammeni inmominatm-mattor and ahraly , or about the trancombental intwretation of an intolligent


Thumenthavios of oromuismes. - Tlur hamary





 mas be summet my the thre worls-Cominnity, thython, and fremenn. (if) Sob fir as our ex
 orsanisus, amb in momal ronditions herome thon-

 tality to lifir, in may be sathered from hue artiolon
 inm- take in matter and entrey at they live and grow, while on the ather hand they alon expend rnerg and are subject to material wate: Dhey feed

 wate and repar are for variahle perimbl- hep it appoximate equilinimu. From what we know of the living-mater or "physual hasin of life" it seems that two vital proceseco of uphilinge and downhreakins. of compmitinn amb lecommosition, of $\because$ ntheir and analysio, of amathliom and hata-

 treedon, whle oreanisma are much mone depmatht agnon their con inomment than arte inorganir lootiers, it in equally true that they attan more apracent freednm. The suatained equilibrimu of an orgmism is milied and dyambeal : it almit. of diret ardiont
 phenive barrs. of ativity which is etmetimes ailed - antomatic or' - photimeons, herames it does not owere in divect or traceable re-pmae to stimulus from without (see Exytanmant).

 of the functions whith resit death, a delinition

 litancilte: life is the twod intemal mosement

 tinition lleseriles it as "the delinite eomblinatim of heterogencons changes, luth simultanoms and she exsive, in correspombence with exterail co-exist"neses and repnences.' Lewes delines life is 'a aries of definite and snceesive changes bath of - racture ant composition, which tahe pace within, an indivilual without deetreying it identity:' while Frmed Cook as a transcembentalist calls life
 directing the forces involved in the pronluetion : and artisity of any organiom powneme inclivimality, Finally, Latitio, an an expitor of Comte, reqards lifn as -a seneral. intemal. and continuons phemo-
 in a detinite organism, Maced in a tit modimo. Far practical pomper, life is the intormal anm -xtermal activity of an wraniom in relation to its -mbiromant.

The rumbitions of lif: valy idmomonsly, for
 diverse envirument, inelneling mabor that term comations ai space aml pronare, mominure and wypen, fowl, leat, and light, Ar. Tlow anmal life of the dedpera illustrate internting ablapations


 and amds shas the poribility of praveme for

 amb of hot suings no the other, illutrate extreme

 "param, of the lengh of time durims which life
 Ritiol : small nematmb will :mine doberation for
 mmmar whent are hiohly mativantory it is


 have mud les fonsor of surviving than thase in which stard pmaminates. Is to tomprature,



but the sime when monst were killed at the lmiling pobint．Some batetria are sabl to mosist boiling． hat the reserse is unally trme．Kibme killem
 stomd lo more Wion reeds liatu hem kanwn to withetand 100 C．．．but it is familiar that a lomerer expmenre to mueh hower temperature is m－1ally fatal． Higher plants lave leetn known to surviso lamial umber a macior for fome sears：amb tivaso frogs． dir．have often revived after hemof from ham in ine



 an extreme as－ 1201 ．T＇n illontrate the livase
 perature about the fiepzing－point of fre⿻h water kill－ Infuroria bat mot pend－anaide，that the minimmen of vital autivity in the fomer was rem at 4 （．．，in the lator at $121^{\circ}$ ．，yet the opimmon for loth is the same－viz．athont ： $\boldsymbol{O}^{\prime}$ ．So lotter instance of experimental work ean he referved to than frat Iballincer＇s rewearches．in which he was able slowly ta macate Jonals whely momally limed at a
 the internal emmlitinn of chill－enma，and of the vita minima muler extremes of heat，desceation， A．，wo know almont mothing．
sue liesiccition，Entrbosifest，Mibersition ；also Huxleg＇s Amut．of Inert．Animels（Lamt．1NT），Sem－


brigin uf Lifo－It is not a logma，not yet a
 that all liviner ormanams arise from other lising
 Bithybles，llehehity，spošaneots Geserd－ Tいい，
bint thore who alvance hevonol an aunostic prosition ian to this furnlem，allil geculate bevoma the limits of onm reperienee，give the following fonr answers $w$ tha dastion of the historieal orisin of livine organioms：（1）Life wrisinated momer eondi－ tions heronel the oplere of adentile impury．Thas，
 fullax at the minin uf life while thenderians are


 wis，sulpurted hy 大ir thilliam lhomann，Nhits the





 hat are＂tomal，uthorwi－e matter amil＂meve have




 noted that while it is quite trap hat math of tho． inneranie on the eforth hats arimen from the worle and


 ＂xtrmominaily diflerent from any whiclo we mow




 anterealent sten in its nwn evolation，＂＂1anm the alhuminuide athl melt other compromale that laitl

 protnplimom．＇＇This hymothenis in mont in hatmony
with the qumeral theory of ewhation，of whicla how ever it forms mo interral part．It has aqainst it the constant fare of experinnee and rasult of appri－ ment that all life sprimes from life boxides serions
 ing or sonthesis，whith it is anderey tupmotulate ant （a）dillionld to molerstand，See alon LaNiotury



Lifelmate a hoat abapted to live in at atomy sea with al view to the saving of life from ship．

 ＂anape doxtuction from the vinlunce of wanes， fobna a racky heach，or from at collinion with the wrack ：great lateral stahility or raiskinuotornp setting：speed against a heavy sea ；focility fur
 dindharer of any water braking into her ：the impurtant alvantage of self－rithting if ugnet ；oml

 bubler at somth Shielols，has very

 Lukin，a comeli－milerer ini Lomer Aere，who was mot． a resident at a seaport hint a mative of am inland bown，Inmmow，in Essex，lowigned and fitterl a loat whirl he called an＂mimmergille buat，fur saring life in cases of shipwreck．some fons or
 plan fur a lifoloat．Lakin tomk ant a patant far his lwat in November［78．T，and a D：mmoromon eoble which he litted up was lepmome to laso saved several lives in the eomme of the tisat vear of its use．Nothing elfecthal，howerer，was dome for the shipwreckerl mariner mont the year 1－5！，when a terrible wreck took place at the momoli of the ＇Tye，all handa beingr lost at athort distamee from the shore，in the presence of thousamis of－pretit turs who were powerless to render any aswotinco． Is the romlt of the stronge forlineris whide this disanter aromed，a committee was firmed att sonth Shadds，and prenimms oflemad for the hest mondel of a lifelwat．From the plans sent in tho wer＂
 and the wher lis lleme direathead ；the later

 hatat on hix own phan with some of W＂ondhatres


 with atom and atern alike，atmd hal a anmed heed， Whish wats entirdy（ireatheat＇s invertions．It hat，


 pants of the coatot，and wer＂the batans of sowing
 fow hoats of thin ty］are to be fommen the north－ ret－t volat．
In the rear lse：sir William llillary $\mathrm{p}^{\text {mb }}$ ．




 ＇l＂： lioval Nitionsal latitution for the lowervalion of Litio from hipmorek（now known ats tho liosal
 acy uf（： family，the iwn armbinhops，the prineipal lishojes，


 moth that rewns，de．，lat aftor at time its work

## LIFEBOAT

langinhed. In December 1849 , however, amother deploratale accident took place at the mouth
 on the dinatheal phan, whioh went ont, mammed
 werked erew, was minet. and driftol axhome
 erew hrine howned umber the hat. This hanomt able dias-
 of Sorthamberland ondered the sum of a hamberd gnimean for the low momel uf a lifelwat. In
 weothon of whioll was aftemward. shomn int the
 Great Yammoth prosed to las the sumendul eamlidat" for the witioted preminm, amd lae com




 damen lealie, d-aitaht-mater Shipwright in
kiel. Ib, represents the hallast, compused of iron. Tho fostomed lines are the lite-lines ontsibe the beat. for men to catch hohd of when overband.

In hide e the mashatal spane, $i$, represents the mowered patail the derk: B, the reljevime thbes: ( , the sile atreands abose the ileck: 1 , the emil air-cass: E, the vemblating somttes: F, the waterthallant tanks: (i. the flas- : and II, the
 bunty plan of exomections at valime dintances from stem to stem. Fïr 4 siver the millap section.

The lifemoat than-portingr-rarring is a very impariant anxiliary to the batat Dearly mery life-
 With a cantion. on which she is kepe fin the lmathomse realy for immodiate transportation for the
 A lifoboat is thos matle avalable for a grater extent uf coast than the otherwise womblat and even when lameloed from abreant of the loat honse the canternerally le mach quieker comereol to the waters edge than withont a varriage In ablition to thas uminary use, a formitge is of immense service in lanneling a lmat from a leach; indeed, to sneh an ex. tent is this the case that a buat can be reatily launched from a carriage in a high surf, when withont one it womlal often he very diftirult to do.so. The camiage consits of a tore imf mitin hoty. The hatter is formed of a heelvay, amd uf hilge. ways atticherl lo it, and resting on the main axle, the Fuat s weight bein: entirely on the poliey of the keelway. It- leading charanterinties are that while for lannolines it forms an inclinel plame, down whicls the luat can be lamedned off the rear (ond with romsiderable impeta-: it can also be nadel for revticiner the hant, the incline plane heiner raversed lis removing the forverar riane. A very fill "quipment of stores is






 formen of lithe yous hy the otherers at the himal





 riehtiner lasat. Jits l wises the proble or hrmat



 hreak- on luard racaper. 'Thur shaved part of the


Fig 4.-Midshi! Sction.

 artines, tomether with mortahme or lameliner skids.

Tlat latat- of 1 lat Natiomal lifolnat lnatitution,


 intombern of lowal lanotary commithom of res.






 loant donble the momber of men required are antame on the regione. Sineh men are mosty
 In every orcasion of winas alloat to sibe life the
oxuatin and each of the erew repobe alikn from the finnts of the Inatitution wher her ancerember mot）10．if hy day，and it if hy nisht ：and owally t．winh for every the of gums athan for examise． Irewam of is．is given to the man who fins hring

 station or other lowhout．I May hointed ley day， amp the firine of at cormando－or mher alation －icnal）he night，ate the wall knewn sionals for collinge the crew tomether．＇h fortrint wercho． the pracervation of Tite is the whe combinatim．
 the lifotuat，contary tor the coxwain－amom－



 expen－e of maintanine ：hifolurat station is t゙った。
 had ge lifenate umber it manasement on varion－

 from different wrecke，foride premering al vant

 tim．landes the lamelno poulting in the saving of life or property，the lifoluate went ont 141 time

 ware ont of danger or that incomect signalis had
 grantal rewards for the natins of whe lives hay
 monas，on that the eammitter hatowed rewards， in the year lath，for the deving of toz lives，mak－ bus a drand dotal of $34,60^{0}$ lives，for the saving of whish the smoty has granted rewards sane its
 committee to place and mantain the lifelomat antrice in the hishost state of edticioney but this camot fumilly lue dome withont a very latrge ammal outlay．In follt the Intitution prome the latect movely in hapmilding in the shape of ateam lifelant，which wat named the Juke of Xorthmberlamb，＂and－batimed at Harwich for trial．The lantitution had for womal veare hem
 siber modals ami in obler wave to lime a means





 iand on the prineiphon tha lanall Natmial Life



 W＂grament at Wiahortan，and＂xtomble thent
 －tations：（1）etmplet．lifosoving statime，with










 （N the ：



simble of stations wime all the seat amd lakr hamo







## 


 it hane mallod a lifornter．Fion lifuntatn，in Englinhlath，－M E TATE．
Liffesalvine Apparatus．J，fi－thmes and
 than for the jumersation of hife in asen of shap wrek．In the memantile marine and fascomat
 －pate．linge are carrien on the briden and at the tem of mist hipe in the moremtile marine．The danger to shipe ordinary lifemoth i－that，from lueimes hans ont of the water，mimen attemed to they sot an dry that whon ilation they fill．
 known to la lilled with ritus．Sometime the handien lifermes is an emply watoperk，well hunged up，：ond with ropes armand it to hohd on ly． There are variona kide of bonsan filloms．lifo－ jackets of india rablum eloth，and mattrensen．The ork－mattres of Amiral Nir A． B ．ligher can boat three men in an unnitht jurition．

The lifo－helt of the Leryal National Lifomat Institntion，Ansimed los Ahmiral Wiard in 1sid，is made of cork corereal with canvas，and is hoth strong and hamant．It has fomr separate compratments． sa that if onis shatil the pancturel atol haret the lnelt：s fmogant funver is mot mitirely hempay．It is represented in the fire． Eard liforathan－lifo． loult man hiaw suthicient extra hanyancy tosapport at man howily dothed， with his liead ：und －honadera abowe liewater， allal to crathe him to sup burt athother furson he． －index limerlf．It must he Hexible in arder to lit tiantly into tha，Nation of the weatro＇Ihnote is at


Life－lolt．

 romd the waich，and not impere hathing of the

 A．t，last．stiphtatio that the wome athil mater af every briti－h hip mu－t－－4．that it i－prowided ＂ith ancla hata，life jumbor，ath whey ablliance



 these have luen low or deatmed，is tlot＇：In the mester torn，if in fomla．Ther riles which can into
 mittere alpmintont has the l＇resident of the lisant inf




 mot furni－h satherwit anommentation，then addi


carrient. Shifis of this clans must also carry mot less than une apmowed life low for every luat paced under divits, and lifelvelts sinficient for each peran on husird ship.

The same regulation as to lonats and lifelichle and
 ing parangers het wern plates in the I nite king dom and perts in Eutope lofwen the Ellue and Brest, exemet that a dolicieney of hats or liferafts may le male up be an eqnivalont manher of
 fewer than six apmond lifebums must alog he camien, and lifelndt nothinent for wery one on batal. The same aplies to wher stemohims carrimg pacencers whins catain surdied hatio. of the home trade: there are alon rato for stemme
 rivers and lakes. 'The luats mont be oi lifenont constraction, with appored apthane for lowering them. I liferaft munt for every perom carrimil
 air tight cenpartments. Apponed hamant apparatus shall he demed sulficient for a mombre of
 of phoms of ime which it is aphalde of sumprines les thirty.two. An approsed life. leelt wall mean a helt whind here not ragion to he inflated lafore nor, and which is capable of horating in the water
 from it. An apprasel hifothoy shath be hailt of solici cork, and litted with life-lines and loms, and calable of thating in the water for at havist
 from it. All lifeluits and liformoss muat hest pharem on boad hij an to he reatila aremible to pramplaters.

Ahertars and Forfots. - When a lifrloat is mot at lamb, or a rumge seat and shad coast renter its use impraxticable, a distressed ship may often rearise help from shome be mems of the montar on
 hix lifementer, to dionchare al with curver hardo that womblay hold of the riwing on halwatis of the ship: the rechet apmation is hand uram this. Serseant bell of the liosal Artillery hat
 and ling from at diatroed ship. Cobonel boxer, Trompouse, bpandt, farte, and whers mate variatoms and inforwonts in line thowing ab paratus. (The late gin, the invention of Capain 11. A. Lage, laited tato amy, weighe mays lsit
 montar, and pomhan the other alsantars of great
 ton of a cartrider with at line attachen to the



 thidiot rope is pulten anor to the ship by means
 which atioten fan be hang and diawn to and ion



 rathet bepartmont is matar the lanat of 'latale. There wepe etgemberatans in direst lifitain in





 inametor has rontrol overall the rocket, mortams.
 stations in his distiot. It math tation is hept a

the moket-apparatns. realy packed. The loand of Trauln now gives a sum of mone for every life saved, besides medals far pecial acts of havery.
Liffey, ativer of Irdiml, winding 50 miles west. ward and east-northeatward thromoh Wieklow, Kidare, and Dahlin comaties, to Tuldin Bay.

Lifts. Under has tam are incluted momerons contrivane for rating weights, Surla machines have varime mames: hoists- manally ham-worked and for lifting light gowls in warehnises: elevators -chactly une for taking pamangers or their
 honines premises, 式, -and won. There are ako - peccal Elevators (I.v.) for rain. Lifts are often on at large seale, whe fur wample, as arour on certain camals in fate of hoks at phames of level - where pationdy a seetion of the ranad is atternately raind and lowered: and again on undersromed railways to hine pamplorers to the surface low (there are motable examples at the Mersey Tmun.l)

Lifto tomant pimarily of a cage for the people or a.umb raised, a shaft in which this cage worles, ant the newsary mathers for ming or lowering the eage. There are two chief mothons in use for thin latior porpore; in the me the cage has attand 10 its lop ropes or chains which are womm up on a harrel or drom: in the other the eage is lifted by hydranliepromereppled directly, or themgh the imbervation of ehaine and ropes.
The ropes in the are, for li,ht work, hemper ; for
 to counterlahane the deal-weinht-i.e. the weisht af the eare ; in this ase the rupr attached to the tol of the case is menerally not the lifting rope.
 shaft, wer atmbey there, and has shapmbed at its ather end the combthatance; the worling rope Mrater the thaft of this 1 mllas, and so lifts the che. This sases a wom deal of wast work, since the low lifted each time is only the net lowd, pasenigers and gambs.

Inime all regmire to be provided with some antomatic ehatel armagencot- in rase the chains or rines livek, water leah- oft, the rams or pistons
 with deatructive velnity Then elutches are
 suides in ordinary working, lont sot in action ly comproned raing when an accidont hapens. Thery homblatwas lar remblaly tested to see if they aro in working ordar.

Lidamonts are cords, banls, or membanots Mpandins of white tibuns ticome, whish flay an evtremely mportant bate in the meehanimin of juint-s, sedins that they patio in fixed ditectioms from one bund to anothri, and serve to limit sonte mowement of a joint. While they ferly allow ohers.
 Fimicntar, pmaded conde, ond as the extemal lamal ligament of the home iont, the perpendimbiar lizament of the : mhke-joint, Ne: (2)

 amb tha great majority of licalnchts in the lomly:
 attadnel hy thar twa cman the two bumes entring into the formation of the janut. Which ther complotely hat homely inseat they comstitnte une ai the chied chatatern of the hati and moket frime, and werne in the shoulder and hipe joints. Sin InANT:
Ligath. Reperotsim.

Lisht. The wheml doctrine of Light is now' maly a part of the wencmal themy of Ratiation,
which comprisen Ladiant Leat and Aetinio and Electric hidiation as well as hight: hut, since the hattpe as to the nature of radiation in ereneral was first wased romd light itseli, it is winsminent to consider lisht as representing all the forms of radiation. Dy elementary obeervation it is fomm that lisht travels (within a miform metiom) in straidht lines in all directions: that it :ecomdingly, when proceding froma point or a very small somer, covers areas which vary as the square of the dis tance; that shatows ohey a similar law: that it is seen some time hefore the corresponding sound is hearl : all which points to a quick propagation of something in straight lines. What j this which is propasated-mater, motion, or condition". The simplest explanation was that luminons bodies emitted something material whose inpract atleeted the sensitive ere: that the reflection of hisht at surfaces was die to elastic rebond of this quick. travellines material. These phenomena misht he equally well explainel hy wases travellint and heing reffected: but sir 1-aac Sewton could not reconcile himself to the notion of wases travelling in straisht lines and not spreadins. This difliculty, which we now know not to be a real noe, masmuch as it is only a question of proportion between the hirealth of the wave front anl the tistance hetween suces-ive waves whether a wave-motion shall or shall not travel in straight lines, led him to adopt and deselop the corpmecular or emission theory of lifht. Aceordines to this all luminoms borlies emit with equal relocities (a tronhlesome postulate, since the retarding attraction of the sun is so much greater than thit of a candle-tlame) a momber of
 small, of herwise, with the velocity of more than 1st,0,00 mile, per recomit, their momentum would be destructive), which travel in straight lines, are reflected, amb are refracted (proviled that ther travel more rapilly in the denser medium than in air or in cocus, in a lirection at risht angles to the bombling surbace lootween the rarer and the denser medimm). But here bein the ditliculties: refaction is alway accompanied by reflection, whence some eorporclon enter the lenser medinn, some rehmul; hence a thomy of eate fits of retlection and transmision had to he develoned, and this involved as its explanation a theory of viluation of a peneral mellinm whe way in alvance of the trabelling corpuseles, of as tis aill or check their entrance into the denor melimm. Sowtom dix. envered that the different coloura of the ane tran were megually refracted in glase; from this he Lad to inier that there were at many diflement kimis of molecales enitted as there were colours in the sectrum. Then, accain, shaton- are mot aholute : the shadow of a hair pminemb hy sum lisht pawing through a minnt, pinhole in which stimds a droplet oi water is hright in the 'entre' hence explatation- hat to twe povilen! on acomat for the bernliner of rass romit an objeet: then thewe explanations failed to arcoment fir similar phenomma ohersed when light wa- retherem from two mirrors. The theory lowane lowated with a

 Xewton mantained its vitality down to the thame and jursma Sir David lirpw-t.r.

Thu wave thery of light wa- - hageted liverimahli. Wewke, and inthers: was formed loy 1 arenn(16:), who axplainel domble reiration: hay in
 of the 19th contury ; was develofath ley limenel
 the emisan-thenry. Aeceroling to it lizht comsints of vibrations in an all-persading elatic jellylike ether; the vilrations are, mulike the of sound, in direction at risht angles to the diruce
tion of proptation : and ray-oi linh ' are mere lines showing the direction at propatation of (and in isotropic mediat at risht ando to the eorreowndin: portions of the wave front. This theory inwhe the
 ton's. The transmission in straight lines is eavily explaned : points lying to one sile are not atfectoi,
 one another's etfects. if the wave lengh be rela tively small : even sumd travelling thronft lave apertures travels in straight linws. The wave. themy realily explains reflection: in refration it asmme that the wases travel loss madly in the denser merliom (which is fomm to lue tine. and therefore di-poses erueially of the emis-im-theory), and it explains the acompansing reflected wave; it explains dombe refraction, polarisation, int"rforence, cotour (ditlerent wave-lenerthe), lifliartion, Ne. Disperion is mot yet completely explained, beeaus data are wantins, thongh Canchy's ideas, as develeped lis sir Willian Thmon, have smon that this is a phenomenon of waves of ditherent lengthe basing throngh tinely non-homogeneons matter. The wave-fheory has also proved the means of forecasting most reconlite and unespected phenomena.
lint, then, what is a "wave?" It is not neces. sarily a ware of motion. All the phemomma are explicable as phenomena of rhythmical disturbane of some kind, and the 'ware theors' really wots no further than to state this. The rhythmical disturhance may he one of poition (wave motion), of stres, of electrical condition, prosibly of twit in the ether. Accmoling to Clerk.Maxwell's thomy every portion of the ether in the path oi a heam of light is sulject to rapilly alternating strewes transerse to the ray, and is therefore in it rapilly. altemating electric and aloo in a rapilly altmating maznetic comdition ; and the curims relations nom known to exist between heans of light and the field of force of a magnet lend the whater probahility to this theory. Bendes, Mertz disenseries (ree ilsonetisy) have shown that fhenomena of exactly the same character a- thon of light, and diflering only in wave-lengtla. exiot in the mage tie lied white imbuction is sompe on a and all the phembnena oi light, radiant heat, ame actinic radiation are refuced to phemomena of decto. magneric radiation hetween ceram limits of wawlensth.

The selocity of hight is fonme by timing the eclipe of oupiter's satellites whon they are at the erratent and the leat distance mom the earth, be astronomical alerration-oborsatims, by dindice ( Fizean) what speed mant he given to a abowhe d w make it rotato one tomins homath whil. light is -rome to a given ditant mirror and mombing. ly dimding (limenalt) what parition in ultimately
 a rotating mirror, thane to at distant minor, and
 time has bern rotated amowhat. In thi: laint methen it is fonm that the internestion of optic. ally demer or mome refrative media atherts the light. The mota of all onservations i- that light

 ramol: in air with a whedts low that this in the

 distance of the iringo promend In Intormone

 wave foneth fon any parienlar colany i- in wnti-
 thetion of that colome in the firt diflraetion-
 weneral theory of waves. The wavelengths of
radimet heat, lisht, and atetinie radiations mase from on ${ }^{1}$



 million to 40.0 m millams ai millions mor seroml,














 riaht which is called a korvituld or an Eammenttho right us forlad the erection, on my lame, of amy buihling which whomets lis lights. ['P to this














 wabling a windmill. Liomath law jermitterl :un
 riolit to forlind milainse whioh shat ont at time
 ful and inatumaihlo sight. Jo the lonital States


 sume statas they may he sequimed ly mantom motod enjament for twenty or fifteren vatrs Soe Rosconce lime'st of the Livile of Lielht (Lomml. lssl), :und Stimson's I lumerath stemble Lime.

## Lishter. kombindie.

Lishtfoot, Juns, whe uf the earlier Holrew

 ltonseter, ble hawl hio erlacatom at rebrist's
 hectane rhaplain to Sir liowhand Iotom, himself





 uf ci barthonamew : to the parinhomets of which low dsalisatorl his /howd/ol of lilumimes wht of the liomli of Exatus (litis). Lightowt Wats ome of









Ithe chief works of thas arest lathinical shmber wete
the untinished Harmon! of the Four Eimumlists amony themelees (1ti44-in): Crommenter! "pun the Acts of the


 (mammsly), the great lafour of has life, The bent alition if his whale warks is that alited hy the liev. J. R. l'itman, with a Life ( $1: 3$ wols. 10:

 was edmeated at l'rinity Coblen", l'ambridge,

 wa- eleoted at fiollow of his college in 1 xis, and



 Lady Maramet poofonar al livinity at (amblatare
 was Whitehall preachor in lstit, wats atporinted




 font acerpter with areat reluetane the hishombe of
 confomally the mont lomatin Now Testanent molndiar in the charela, his fundors of alministration hat mot burn tentell : lant in the emb his alrmantment wian mot mis justibul sof far as the
 interesto of the 'lameh of Enctand at large. While promines in private his own stulies, he male Lishop-Anckitha a eontre of leaming and teaching for his clergy. Jo likewise devoteil hameld with untining eneray to the patetisul work of his see, and meedily ganed the aflection ann mombence of all with vhom he came into contant. The work of the Chureh Temperanecesociety and the White Cross
 monitionere was holomaled, ind om ot his last acts was to build it chareh at sumdeliand as a thank olleming for what spemond to be lis recovery from a sorions ilhess in lsss. Ir lightiont's inHhence at lamhorlas as a great Christian tracher was of incaleuhable importanee, his high permonal charabor ats well as his learning havime immense weight and indluence. A supremm arammarian and painstakiner textual critie, he wave the worll admirabla commentarjes on the "pistles of l'an! to the Grifletioms ( 156.5 ), I'hilipuitens ( Istis), Colussioms and lhilmon ( 1850 ), to ead of whill wore ajpembed interesting disser tations. Enhappily lee was nmable to eomplete the l'anline: Epistleo, ind his cxhanstive work on the dpostalie liathers remains also a




 ( 1 S. 1 ), an edition of 1 houn Jamsel's treatios on The Cimmber Heressit's nf the Fiost and sicond ('inthries








 wis haricel at Ilurhem.

 shownat mifht to whide matiluers, :und which serves as a lambmark ly dias. Aids tomatigation comprise
 and lambarks. Lighthome ate wemeally phemed
 ur smben rocks, haw prommontios. and sathithalio.



 Parev ionat manls in the heicht of the towers.




 fork. Walker* bidum and Whal Lanke, Alan Stesenami Skerywor, bavil Steremomis North

 Ledge athe spetante lien in Amorica, and Brelat in Fitame, at trimmb of ensine mins.
The hiowry of lighthane contruetion and illomination may he sail the extend wer a perind of more than two themeand yars; lint the regnarly. organion lifepreverig sy: of of mom hemt
 the herimint of the 19 the cemtury. None of the


 Rawama. Puteoli, and otherpurts. The lhemieian
 of the Empror Tratan, was repotalifined as a
 apmatu- placed in it. Wh the riff at bonlome thare are the remain of a lighthonse :areribed to Caligula ( 40 A.f.) , amb at Dover there are remainof amother Liman pharns. Comban, at the month of the trarome, hat- - 0 all the improvements, from the ann chatler, in which hillets of wow were hamed, to the dintric light combined with a fourwick lanm, [ntil the ent of the lsth century the Iighthonses of Dintain amb Anerica were few in number, and of an inferior blecription in the ereat
 number of rays of ligit towame the horizon. Mang of the pulitic lights in England were private property, an was also the cant with the hale of May in sootlam, the patent for which was ratified in 1641. There were only twent -five dishthouse stations and sis doating lights in England at the heriming of the 19 th century. In 17 s 6 the Northern Lighthonse lonard was constituted by act of parlianent, but anch win the then state of commere that the ant pronided for only four lighthonson: now there are mo fewer than sixty-secten lighthomses under the lamal's jurisuliction. The Jrish highthonse band wan wontituted ahont the same proml. The chast and harbour lights in Gireat Jitain and Ireland
 Statero of America the firat act of consen relating to lighthone was patere in 1 but amd flowe ate



The endy lighthome towers had on their smmate






 of a mondern lighthume fower we hay takn skime


 "xpmend to the wat are quaried ant of the ondid
 together into each other hy saman devicen, and
 the fomdation, where the hatome divided at inter romms, ome alove atoother, acom the wheh is





 the Shemsion fiw and Hmbeation than and


做 lume of work in the first yar and lit in tha

 where tull ther sate tale. The wint ui limhthame may bay mulla for matate the hell howk





 ahunt érmus.
Wil lann- were nom in lighthmses at the end of the leth rentury ; hat lipuid furl winn gille way

 tive of which weinded 2 lb . The are of lampe lod to reflemetors. The early ones were alumt is melhes in dianeter, and made of stath mpates of mirror Ghow, set in phaster of laris, the hamp haviur tureh-like wiek- the finel mhnay whale-nil. These lampe did not give sond resilto, whe the Hat wick, thomerl an inpmement, wits still unsatisfactory. It was reserved for Aramel (ys.) to devise the celimdrieal wick-hmmer. The hembth of the flathe in the argand lamp varied with the leved of the oil in the fmantain, and Careel devisel
 of oil to keel the hamer emal. A gand: inkention is said to have been alor discovered by Tenlere, who combined lix lamp with the ne dif retlectors.
by placing a paraholic mirror behime at that (his. 1) all the rave of bight promenling from the forens and falling unn its sufface arte retlected prathel to the axis, and cmerge in a beam of limht. Sueh rellector are grnerall! 21 inclus in diampter for tixed :und 25 inchefor movking lidhte. their fuwer being eylazal to $\quad 3.0$ to 4.0) times the wn asontad litme. lis arransiner a mumber oi rellowns on a frame there man ly rent, all romil the
 be:men of light it

live 1. pratically ranal in-






 reflectur in at artath mather on at fatme amd



## LIGHTHOUSE

quick ancersion, followed in a long interval of darkness.
The orlinary paralmbia rellector allows about one-thira of the rass to earape past the lipe he matural divergence. Tor preant this waste dir Thomats Sterenson, in 1sty, herised the holophotal

lijg: ?
reffector (fis. 2), which eonsists of a lens, $L$, with a parahlic mirror, ", and a liemiphorical mirror, h. Which retmons all the rays falling upon it back to the flame.
Tr Ansustin fresnel ( $\mathrm{f}, \mathrm{x}$ ) belongs the honomr of inventing and first employins, in 18 ge, the dioptric sytem for li,ghthone parposes in comhimation with a central lamp having func concentrie wicks. He was apmently igmmant of what had been done by Butho and (bulonce in propeing, for harning purpases, to milal mp lemes in scparate pieces with the view of reducing the thiekness of glass and correcting to a large extont sherical alveration. So he devisel the hohthome lens, which is jhano conver. is fert 3 inches in height
 live, surrombed beymatar rings gradually decreaning in hetith as they wete from the centre. If these lemess be assmblied on a frame with eight or more siles, havime ot hamp in their common forms, and be made to rewolve, a dioptrie revolvims light is promeed. The hons inpliad a central latul iud at hame of great intemsity, which Fresueland Araw devisel, and in which they athered to Argiml: prinurite of the clouble airenr. rent: :mat thes also trok aluaitave of Rhmforl's ides of : lamp with concentric wicks. Tha homses, however. not intererptime 114. rates of hatht prococoliner from the thame alnow. and holow them. Frosum dexamed :un aramentut "f inclined lomsa. :und mirram almo. the lenses, atm silvered mimmbelow thom, which, to some extent, olswato this defert. Whan deximing the rewolving
 =ulatitutal prims. for the mimors below the
 prismes for first order lights, and, in lst!, Nr

1. Stevenson di-pensed with the double agents alove and below the lens, and substituted holo. photid prisms which parallelise the rats in every hame (tig. 3). The lomphotial apparatus is now miversally alopted for revolving lights. lresnel devisen the fixed light variod by flashes bey plaring straisht refrating prims on at revolihyg frame outside it lixel apharas. An extensinn of this is the condensing revolving apprer. athe which has been carried to such perfertion in Sootand, wherely strathth refrating or retlecting prisms rewolve, and intercept the rays from a central lixed apparatus, so its to produre darknps over the sections they subtend, while they preat the rays which they intercept


Fig. 4.
uniformly over, and thas strengthen, the inter. mediate sections (lis. 4). The power is increanel in proportion to the duration of the interveninig perionds of darkness. There hive been devined lay hr hopkinson gromp-flashing lights by -pliting ip the lens into two or three purtions so th tusive two or more thanhes (fig. 5).

The most motable improweme of recont times in revolving apharatus is what Messo Stevenson


Fig. S.-Itomphotal Trifhe-ftashing Light, first order.
-narested in then aml to which the have given the name heypromelomt. Ther rulins whinh they
 mom. The time lens of this size was made to Mexas
 lari. When anhinol with the large flames de-
 thi- atpmatas, whon rompleten with the enlarged

 sh，exces－jve leat is atoded，and hiform aml mi

 ally the mont atlicient apparatu－yet mate．

$\mathrm{F}_{1}$ f tio－tevenson＂s Hylum－radiant Light．
Fresmel tut only wave un the dioptrie revolving
 iner all rmand the horizon at rertical strip of light．
 It is said that owiner to dillienl．

 ties of construc－ tion fromely alopited a poly： crinal form if thirts two nar－ row lemso for the retmeting lanor： bint Mr Nitn ※teberninn，when introblacines the lingtri．lielnt in ur liritain，dre －ipron is truly Mimilrial ledi， in the elith．rent －rotion－wit whin
 lonijill furm with ＂hligran joints
 latd Mrmotrol and tha．litrou arale． tonally retlembing pri－liati，rine． löir．（ is at di川．












Hown the vombl the－rit to low illuminated iv of


 nos retenoibly nadel it highthances The aplanat lighat in anciliel of $\mathrm{Hr}^{\prime} \mathrm{I}$＂．
 for indianimes．las JH：inn ot a beam of 1：＂uallal ras．thrown fromer the flowe the promition of arork lying at some dia Bince wtl．lis means or 2ybumathe placeri （m）it heracon ont the 1ock，the ray ul lixht trone the sheres atre


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| 6th | $1{ }^{1}$ | 11.81 | 1 | 1 | ＂ |  |  |

 and metal whel rontans the lighting ：lymatn－
 sably lianterna hatd wroteal and homi． zontal sash－har－， lont in lsi．i Nr Jim Sterenaror， when he introlnowal diasomal framb－ work for the dion－ triv lizfit，astemind it to the liantam． The diapomal inctat－ arals alo wot intar arot lisht in ans aximath thanela ont theit whing． hoight．curd thi－ trionnal arranase
 Hent arombers il












It feet in diameter, glazel with olan an in in
 ti-h hiphomaes "otormpanes," which are gratel

 hy somps. There is min intine in the Xinthem lizhthon- service of a lantemphat lumg lamen

 them luring trong gile

Lumps:- The rarliest lighthonces had hand with two or home - pont, emblh with abin of rothon,

 How of bil wer the lamer, limmime the ilea of concentie wiolo. and hagen and lienel the fombewh land. Jr Alan sterenom andeed a hith wick. and othor hoghonse enneme have inctranad the


Fig. 11. monher. Tlicse bunnom were mitalaber for athing animal ar cematakoil. The extensive nor of paratlin leal to its ad川品 tion in light. homes. lint ant ren was omly attain.al with the one-wick thomer matil (aptain lota. in 1stis, devined bumper which develon a dame of great purity and intonsity in
 their sumbly the maplary action of the wiek, hat with mintiplewils harners the oil is suphen

 preame exetad ly a wombed pinam. When
 widk lamp the harner repnime to be kipt coul and the wick pewntel from chating leg cansing is
 greater than is eomammel-th fow over the wirks.
 patallin is used, fuwerer, the Indid in mot athowed to
 the owertho lowing retamen be at tate to the
 photogenid power and erobomy arising tron the: we of paratin have led to the dianeters of the

 comentrie wieks, which, of comese, spathe inereme the eande power. Desoss itevemon pinted out, in bate, that murh of the light from homers of meaty inmeasel liameter, when heel with revols. ing anduatio, wan not rombensed bes the lemen
 Was merematy and home their ponmal of the

 and wedtable, han hern nsed in lighthomern




 of und hall the eme white it has heren sumendent hes paralin, whim has mival the power of the lamp trom to per entat in the fome sich bumer tu mar 100 proment, in the wrewick hang. Wamer Sternom, in lan. and at ant the comanative meritn of colaa and parallin, and, when the impate
rock station of thuheartach came to be linghen in Wiat they introdneed parathin the the illumimant. It may be etaterl that in the seothi-h lightumen
 ally sawd he the lase of patallin, white the power of the lights has heon ealted: aml moet light. hunse athoritios have followed their rxample.
 grasity of 10 se, and a flawhepont, mow wex of
 fillowing is the comsumption in gillonis bur lume of


 whe lighting was in its infacs, and the experments fid hat sueded. Wherevir git cam be hat, aml frent preantions are taken. there ean be no
 whon it requires to be eperially mathe at it lipht homse station, either from real or paratin, it in a pemine. For hatmur-light: whene the sulply ran lar raulily hat, it has. loner beon med with
 yory ample piece of machinery at Tran for problueing : an intermittent light from was, wherehy the altemations of lisht amd darknes were get hy
 athl agin as sublemly letting on the full suphly,


 the flow of wis to proluer intrmitent action methe of at ily meter. The meter in so made is to
 haming. Than full tame of the latge jer continues (1) hati umil the artion of the meter cote ofl tar shlply, amb the small jut is again kep hominer ahne nutil the full mply lows the tharer jet. Wr Wightan of loblim hias devised a syaten of
 Ina jots, the dianetur of the rimes same fom 4


 of the ring ran breal to suit the state of hie athmophere. Ho hat alsu stromgly aborated, and hate introntuced at sme lighthonses in lrelam, a

 tier of bemon having on intepentent humes Sir

 in the modinary arganl, the power being s.00 and
 a glas-achimner. 'llue result of he Somth Fombiml "ypriments is that, for orinary lighthome par-
 illuminma, amb this agrom with the eonelanions armed at ly Moms Stevenom in lsto.

Electric Lieght. - The abedric light was first - Anon to the manmer in lase from the lomeland lighthome, the genrating machine lecing that of Iromeroor llohmes but since that dite more ponerfol mathine hase luen devimol. The ather-

 and other lighthmsen. The late of May machime are of the L type, of the langer size liitherto com-
 duetion ampagment of eqch of the two mathinm
 maghe being mate of of a plater. Tha amature, whiah makem tim revolutions per minnte. i- Mriven


 of fin temion amb tion phatity. Will the cincuit "pen each mathane develonsan elfommotise fore
of solt, measured at the dietributhe : and with the circuit chasel thronsh an are, 41 bolts. In

 lome-power in the external cirenit. The liverime are or armuged that $\frac{3}{5}, \ldots$. 3 or the whole of the current of a madione can, at ploa-nore, be sent to the bintrimor for tran-miwion to the lantern, and the two machines ean be oomplat and the full ener rent from luth be emplowd hming has wather. The enrrent is comesen to the lishthome-a
 1 inch in liameter. with waphed joints lulted and soblered thenther. The lampare ar the Sorin- Beriot tyme with sone mowlificationsnotally the shint of lay pion, wherely a lares pereentage of the chrment whe direct to the lower earlum. The cothme, whill ate 1 g inch in tliameter, have a com of jume wathite, and ham with grat stembinex at the rate a 2 inche per hour.

The diopric apmatu- wiginally aved with the electric are, was tow maill, and Mossos Stevenson in lision sugened that it shombl be third order, and this waternerally alopten; but at the lale of Xay it was mate sembl weler condensins, so
 fiom. with intervile of darkne-a of thirty seconts, the whole light hang windensed into three demeen. the wealting lume beine equal to three million randles with -imole fuwior, :men tix million with doulde fuwer. It i sem thirty per cent. oftemer than at tireteda-e revelvin? thaptric light. It sunter loint, the forelanlo, Licard, the apparaths is thind orler. It st 'itherines and Timo it is sechal orler, while at lawnatie it is first order.
'thomerectios. -The followins are the main diblinetion in nee: ( 1 find horlt-: (2) the re-
 view amb radually attains it- fall puwer and thon gradually diadmar- (3) rewolvine real and white, Showing altemately tha-ho of rad and white light : (f) flawhe, Jowing Hathes at hort intervals: ( 5 ) intermittent, which hare instantaneonsly into full lumer, and, atter rmbing as a dixed light for a certain periul, i- oudtenly eclipsed; aud (6) group tha-hins, whiting of two or more flabe

 is rearted to for ibuger ares, or when another characteristic is not available. The two colours
 whomed chimmers we the lande Experiments mate at Estinhumgh show that light, in passing
 than firs a light of the matural edonr-a lose slightly redeened in thick weather uwing to the real rase not heing so much abmerterl.

Homines,-If the aprarath- revolves, motion is gemprally prolaced ly elow kwork and hey the fall of a wight. In the cane of small apparatus: Mo.-rs. Stevenon promacel motion hy means of the heat from the humer can-ing a fon to rewne. which has sinee been adopted in the 'TonterLinharg sytem.






 havisutions: and, la-tly, hartamr light- ter mido






 toms wher it would lat imporihbe the erect a lisht
 in fongh hetween prowindioular, and 23 but
 with muntz inctal. The Nomth care lioht-hip, at the entrane of the Forth. is moned ha al inch stomend chain calle and 3 tom anchor, a- it i- in at
 itmal ate driven ly stam. The lantern i- finet


 aratull lamp. Each aparatr, with it- fombain
 hame wetically in any prition if the mat within 30 domere of the vertical.

Eaty liohtromels hat mall lantern sumpuled from the yarlarms. Mr Ri. Sterensom, in wo-. introdnceil a latem which sarmomed the mant, and all subequent lightap hantern have been made on his plath. All thatines lights laad ratop. tric apmatus until Itwors Stevomen, when be
 apmatus. Sir dame- Dompow hav done much to impowe the lantern- of lipht-venelle, and introduced two-wick lamp instrid of ingle aryand.
 the whole way of Eneland is only Slightly wer 4til) hour yearly, thongh in some part-it reacho.


 the highest heing 2404 hans. There are fur wast lixhthuse stations where a phonie sisual would not be a mofnl anxiliary. in there are timm when
 obomed ley dense fog. when the salior mont he suided lay -ignals addresed to the car. Varm.



 American ming, the siren heing the bunt mwerfal in hese: hut. themell it hia bern hatal at distanes.
 combitions of the atmophere whan it edfectis:
 not effective dionals, no fower than os of them are used in briti-is and lise in Snuricon watero:
 bells at the liell Tock Tower, all sulweyment rom lighthouses, owing to the want of apice for other Sipnals. have been sumplid with them. Surh row tower lell- vary from 3 cwt. to 2 bun, It hat hem fomm that when atmek in a hatumer ont inde.
 greator distance, and when the blaw atrestrach in
 pmotrative. For the sake of ditimetin two ludl-





 few tations. smmanchot- are chatgen with tho


 pince of omhathe. The dharge of attom pander







rataining fahninate comporitim．The rharse is

 tha light rwom．I light framework or in in fixal ont－ibe the lantern，emuterlatamed and raised las
 latuen．When the rharge athe detonatom ane attarbeal to the emin of an clectibe whle the jib

 and detonator lires the rhater，which gises a band repurt．An aramobuent is mate an that the
 ars raved to the foll hejght athes the lantem． Thu balkell lown in a motal ramplet in whith a

 the ime rome is mate th vibrate ly compresen air or－watm heme hown throng it．This simal is －Hentive．flominh not so praverfal ats that of the sime．The sime romsias of a tranmet having two
 －bue matiare with radial shite cat in then．Tho

 is antumatie．consinging of two phomers having
 rotate within the lisuid alinder ；the empmeand air imphoing arainst tho inolined siles of tha

 a spres of vibrations which give the note desired．
 Sixan are natil at 11 tation in britioh waters．



 ghiek therexion merys minntes，the lirst a hist
 Whila the moth givecone lilast of 5 secomla duration
 t1）herein（1）stmml ahmit $1 \frac{1}{2}$ minnte hatore ach other，and meser buether．The matise power is
 made from the parallin ased in the lighthoner
 rompremel air is arricil，this was a mex departhre in foge rignalling．Thowe sizmals are acthated be romprowel air．the motive power lueing lat aii，
 lamb，hy l＇ristmatms oilemsimes，with orlimas limhthonse paration ail the ovponive．
 asod lay three lasards－the Trinity llamer for Finglat．the Comminabner of Xinhern Lights

 by the Hereathte Darine let of hat，having

 rantal of the basal of Trate．Fin the I nited Stalle of Thmerea a Lighthone bimal was ram
 of werting ：







lighlowfors．It lighthanion stations on shome





 of lightoling ate alyen in mumber，thre of the chaw and the matar or mate getting on shone ly rotation．

 som，以herghome Leththonses，with Nitex wn Liththemse＇

 Havid stevenson，Lichehousex（1sit）：M．L．lieynand，

 Ellintt，Empmuth Lidhthouse sustems（1sion）：Il．E．



 batish Assuchation（1swi）：E．I＇．Elwards，Oher sumeds
 （ISi：）；and Vinutes of Procectuyg of the Ihatitution of Eal Enymuers．

 one wromp of＂houls and another，of letween the




 mbmmer thmmerechmels in fireat liritain that at an altitude of imm low tw 3010 feet．On＂levated mombtaintops，le，000 feet high or more，lightning
 Chmals over them．Lierhthing oremes in three tis－

 reminer alon as a combentent tern for unesplatined jhenomemal．
 ing from rlmal to dond or leetween domis and the
 bembe it makes，bat most plotograpsis of lighoning show it in a waty ur ribon－like form．Gorisionally it splits intu sereat hatuchen at mo ar hoth ands．

















Grateat oberverl interval at which thander lat Frem hatard.

Shert-linhtrang, sometinmes ealled summer-light. ninor, is a flequent aceonpaniment of wam weather in tempreate dimates amd an almos daily phomo menon in most tropical rexions. It apreato at at
 redsinh colour, amd is lebleseed to le due to dis. chatres of feehler intem-ity than thome eamsing forked-lightning. It maty nearionally be morely
 mavible lo the suedator.

Imoll-lightnimet is an a yet moxplatimed phemomenon : forkwiand shert lishoning are the gisatie analorate of the spark and glow fomm an electric madhine, but mothorg remembling the fow-movimer,
 matl-lishming has ever heen proluced artificially. The hatl has been extmated at from a few inches to over a sard in diameter; and, while mot alliopling anything that it shes not directly tomeh, aris likw an explowive sholl on anysolid limy in its track. throwing down wall, making lones several free deep in the gromme or phonghing bomp tremelies: sumetimes divapreang with a lome remat, at others erambally getting smaller till it vanislas. 'This sostometive amb dangerons form of lishtmine in happily very rare Allied to liwhtning is St Elamos Fire (1.s.). Lee Arthmr larnell, The Action of Lightretre! (1032).

Thenth by Liefloming is always instantantorms. amd is prolably alwass caused by the slock to the hrain amb nervons system. The post-mortem allowannes are extremely variable cometimes now marks of injory are found: lat mone often lacerations, hruise; hums, and measionally even frathres of lones are present. The clothis mav be hant or tom. wen when the surface of the houly is mot injured: metallie substances on the perwom may he funed. and stcel marnetised. When the acedent is not immediately fatal, the conseqnenceare still more variable: invensibility, paralysis, lmans, womils, lom uf hatr, ernptions on the skin, lemorrliteres. landif - busch or of one or more of the sperial venses, may all acomr. The treatment mont he directed to the quecial sympoms, which are liable to freat rariations. sir b. lirolie's ansice is as follows: 'Expme abe body to a moderate warmoll, son as to prevent the luse it animal heat, to which it is always liable when the functions of the hatin are shaperided or impaired, and intlate the lumas, a as to initate natural resparation as nearly at pos. sihbe. These means shondil be fully tried, as respiratory actiom has heen restoreal after mome than an homers su-jumsion.
 blitzublator). The ohject of a lightningeromdosetur is thofold: tiret, amd most important, to drain away the electriaty fromb panime domals amd thas brewnt the oecurrence of lightnims in its

 thath withont damare to the hminhiser to whieh

 notallie ronl stamling eleat almo all surnatulims

 lisal hat interne current prolnced ly the thitla: bath reflate that it hombl he in thamemern motallar chnmettion with the earth. 'Ther atom of ther







 the combluetor in thamonh commertion with the"



 lout they may he eymally well comstmetent wf imm if




 1 inch in dianetar. Instead of a solinl ront, win" rape nf embivalent size is frequonty used for con

 peint maramaled a few inches down he there of fowr sharp buint-pojectinge whirucly biwamh, hnt

 16mimast proped higher than any other part of the
 a lishming comburtur protert from diroct tha-lue at conical space equal toitw hoirht with a metho at the hase of domble its height. Thun. a forl standimer
 will protect the ronf rilge for 12 feet alomg hat if the lowse is more than io feet lama will not jmo. tert the other aralle. All laree manoss oi motal in
 he connected with the lightnineronnituctor, in they mats otherwise fom a hroken eommeation to anth and emulnet the lightning with danguroncerarkinger at the hreaks. Shamemems most he avomed in tha eonductom, and any joins in it shond be hated. or emberded in a large mats of sobler, so as to aroid any risk of heatins at the junction ly inperfeet contact. I'erhaps the mont impurtant part of ther lightning-combuctor, and certainly the part in whels it is most diflienlt to ensure satinfactory amaneement and workmanship, is the eonnectimi to cotit. breath is mactically a non-conductor of eloctrieity ; dampearth is a molerately mond comblomom, and, home of intinite area compred with any limhtnine confluctor, can safely receive any dicharge. Tha problem therefore is to make a manfarouy junction with a sufficiently lare area of damp wit. This is nsmally done by attaching to the lower ent of the lishaning-eonluctor a brass plate almut a yad hyare, aml horving it in a damp sut sur rommed hy rasooke. Sometimes the lightoing conductor is connected to an irm wator of drain pijee lut not a gas-pule, as the risk of wlimet dire to the gas from a spark at a hreak mant not har imenrred. A fanlty earth commedion makes a lisht. nineremmbetor worse than batleos. Fivery laras

 diatrict lavimg a shtlieient mambor of eomblator- 10













 fonming: :




 Lit Vemien: at the time a latly hallemed to le veaterl an a chatio in the salon, and on the back of her drme

 while hopline a cow in the promtmont of beme.
 lank refore moler at tree: and the then, the cow, amil heralf were struck will lishoning. The enw

 a pheture of the mow uph her breast. These anere
 tell uf metitlie whiget printed om the skin, bif elothes white lueines wems recedving improsions of
 with - momading aremery or ohjerets loming thamer.
 being printed is a nejoblmoring tree. lohis may
 divelanme han tiaken plate on tha skin in the form
 thos atmores pomilhe resemblance to it tree, aml Hatt this being imprintal on the kin ly a slight whating of the ti-smes in its thate hats led observers
 pointo it womle tre diflicolt to give at sati-fatory aremme, thomgh ohservirs have done nomethine in imitation of them. When a coln iv placed on mins
 find mentrical machine, on the matan heing hreathen] ubun atter its remosial a distinct imare of the enin is tracen omt hy the lew of the borath. The parts of the erlits surface in montare with the metal hatins preeven a diflequt chater from the rest, a meloctive artion by the ghas on the wow of the hreatl takes phere : "hat this is very litherent from the fermaneat imase of the anocilote. With all the allowane for the pus-able printing lower of lishtming. the aroonats piven of it in most cases beat the stang of exageration.
 whiel prevaled in thr dewish (bxoml. xwv. 31-33) amb in mont of ther maribnt relirions, noml which is metainel both in the limman imb in the oriontal eharehes. T'lue mie of lights in the minht-services, and in mbtermanom charches, mel as those of the

 holical allanion to ther Cight of the W"ant " amil to tha. 'light of Fiath, was mot montimed to necasions of newosity, but appeats 10 haw luen from an eatly
 cially in momeetion with the waranmotm of haption
 lights are nad has varied wory mach in diferent
 finm of the mate. In other surviom, allab, lights.


 'Fwn rimulles are de rigmer at mare int fonr at






 In wil lably always hmon in it faman (:mblolin



 mamion table, but in tha majurity of instances they



and Indepembent chutche the symbotieal use of linhts is rejected acomperstitions.

Lighe CHARLES JUSEPH, IMINCE HE, son of an inturial thellmambel whone suat was at Limene, mear Jonrmai, was hom at lirusols, ebd Jlay
 Lemthen. Inachkirel, do.. in the war of the lavahian sucesoinn, and muler lomdon :t the siegre of

 divtinctions. I belogian beg hinth, an Justrian -nbyerot, the favmite of Naria theresi and CathHine of limsia, the friem of frederiel the tireat, Voltaire. Ionssean, he was always amost wehome grest at the comrt of Vmailles and in the laris
 limatry remains there were julnlishod . Mramges (it whs. 1795-1s11), Emwes Posthumes ( 6 vols.
 tion lis Madame dr Stäal of his Livers et I'msés ( $1 \times 00$ ). A now edition of his works in 4 vols. was
 hy Thuirhoin (Viamme, lsti), am! thu Eelinfuergh


## Lighing See Celli Lone.

Lignita, or lbows Cost. a mineral snbstance of vegetable origin, like common conal, hat litfering from it in its more distinetly fiboma or wooly fommation. whith is wometimas so perteret that the misinal stracture of the woml can he diseernoll with the micromone, whilst its extemal form is alan mot mafrignently presrreal. In this state it is often
 litule mimprabeed that it may be need for the pmor!nses of worl, as at Vitry on the hanks of the Gribe, where the woolwork of it home has been mall of it. From this to the most perfectly min. araliond state it orembe in all litlerent stares. It is utten bown or lomnish hach, mone ravely mray. It bums without swolliner or rmming, with a weaker llame than come ; comits in homine it smell like that of prat, and leaves an ash mome resembling that of wom than of comb. Wherever it newne in milicient
 very inferion to eomnmon coal. Lignite ncemss parinoly in britain-thn chief locality being Bowey Tribery in Ilevombire, whore it hat lomg been worked. The primeipal repository of lignite in
 in whide some of the lerds at tain a deot thiedness. Wray the eastern shopes of the Rorliy Domotains lignito is wilely dintibuted, hat the berls are ravely hiok emough to he of ecomomie importance. Thin lmal- of lignite are anowiatom with the oligocene batsolt roelis of forban! (where it is koown as
 the case with the similar fomations in Antrim ame Nu!l.

Intike woord, it is solnble in nitric acid amd in abkalime hyprehlurites, and refrumby to wastic putash soblition; in the latter respere it remmbles roal, which is, hownever, mot soluble in liypochanito.

##  

Liens. a lalgita vilhas, 13 miles hy rail NE.


 was rugitad with the britioh umber Wrallington

 nur"

Lisonyi, ur Ébrans, a monntain. 14,000 feet hinh, -itutted to the weat of Lake faringo in last
 -rme inhablited.
Ligulate, in hatans. See Comporite.
Ligutri, si Alfosen Mana he, fommer of

 ath embraced the promaion of the baw. Whach, however. he sudhaly relinghinat to devote himald entirely to a relicimo life. Whe recived priest: mater in 150. and in las, with twelve companions, tombled the asometiation now walled by hiv name. In 106 be wa apminted biahop of sime Ayata dei Ginti, in the kimsilun of Saples, and hilife :a a hidupp waz a nombel of the pastoral char. ater: lout whinkine from the reawnibitites of anch an otlice be s-inem his see in 175 a ater Which tate he returne: to his order ami comtinned to live in the sume simple anterity as hal characterised his early lite. Ne died at Nocera dei
 Lisumi is Gue of the bout whminons and most fobmlar of Cathode thondogeal writers. His works
 haming-disinty, easuistry. exegexis, history, -amon law, hagugraples, iscoticism, and even buntry. His correvandence aloo is roluminous, hat i- amot emtrely on opiritnal subjects. The principles of eanistry explainel hy Liguori have fren receised with moll fatom in the molem fiman sclomos: and in that chareh his momal theolows. which is a monlitication of the so-called "polatilistic sotem' of the, ase immediately: hetore lis nwn. i- largely used in the direction of con-ciences (sen ('sstativ). Limori's Theologit Mmolis (s wh.) haw heen ropinted numberless time, as ako mont of his ascetic works. The most womplete edition of liv-work (in Italian and Latin)
 laten ontire intu French am lierman, and in great bat imto Engli-h, Spanish, Polish, se.

The Lhernplus. callem also henemptomists, are a conseration of miwionary priests fombled he Liguri in 1 and and appowel ly l'ope Benediet XIV. in 1 Tom. Their ohjent is the retigious in-truetion of the peaple and the reform of public moraity in perimlically vi-itime, preachins, and buaring eonfersions, with the roment and under the dinection of the gatioh clerey. Their instractions ate ordered to he "if the planest and most simple Whatane, ant their minintrations are entirely without ponp or ceremonial. The congregation wan fombed orisinally in Naples, hat it afterwads extentel to Germanis, Switherlam, amd Austria. In Frame, Englanl, Irmanl and America, though homon of the congreqation have herenfombed, their phare is in great mpanse ocmpind by the more artive congregation of the Lazariot or Vincentian Fothera (see Vincext be l'alo).

 and is hart life publishel hy smpkin in loan.

Lighriat, See fievos, liondi.






 :and vi-iter Envore in lag. He intrimpen with
 at onthan athe the relirf of the leyatoms. see life





Lhe mije into Eurnuan watens. From Viemat
 half will in the hedges of whe part of Emone. There are many varieties. The ilowne grow in large coneal panicles: are of atholl blabe colome, furple or whe and hasw a very delimions adour. The leases are at invomiti fome of canthandes. The hitter extran of the mander

 tor inhating tumber, amb the making of sall artace. I fragrat nil can be oltaine from it hy livillation. 'libe ('hineve libar ( S . chimenses) hais laver thowers, but with less powntombon, and the lersian libae (s. pursion) has mamer baves. bith are often jhanted in zarlens and pleanrestomets. There are several ot her shecia

## Lilbnrne, John. See Lerellers.

Liliaceide a natmal order of molowems phants, rontanimer alont 1200 known specien. They are most mamerons in the wamer parts of the temprate zones. Ther are montly hellacems flants, with linlome or thleroms, semetimes filmens rowts: ramely shmbe or trees. The shablay and armares cent perio are mosty tropical. The itemi-simple, or hanching towats the tom, leatlen or leaty. The haves are simple, merally marrow, minetimes erlimbrical, sometime tistular. The fowers are zenerally large, with six clett on six-towhed perianth, and grow singly or in apikes, racemes, mulels, heads, or hancles. The thmens and -ix. opmite to the segments of the perianth; the pintil haw a superior three-eelled, many-scoled wars. anl a single style. The front is smeculem on capnlar: the seeds packed one nom another in twarows This onder eontains many of our limest parten, grepuhose, and hothonse thowers, as lilies, tulifes doge-tooth violet, hily of the valley therove, erown impriad aml other fritillaries, hyacinhs, filurime superba: many ropes beful for fond, as yarlic, minn, leek, and other siecies of Allim, asparanu,
 of North America, the Ti (Intomon tominulis or (ordmlime $T_{i}$ ) of the Sonth Seas, Ne.: many - pecies valuible in medicine, as squill, aloes, de. : amb - ome valualle for the lime whel their leas sieh, as New Zealtan Flax, ant the somies of Bm-tring Ifenj, or sunscricte-This natural orler has been the subject of a mamer of splemid works, nach as Fedontios Les Lilluters (s vols. l'anis, 1s02-16).

## Lilith. See Adam

Lille (Flemish Ryssel), a mamfacturing town and list elass fortres of France, rhef lown of the department of Nord, is simated on a sulberilmtary of the selumat, in a fertile listrift, tab miles hy rail SE. of Calais. Lille derise th mame from the enatle arome which it orionalls anom, and whind from it- jnaition in the milot of harshers wat rathed Lise. It was fommed eaty in the 1hth century log the eouma if Flamero. From lath it was mortared to france, hat pared to burgmuly in 1369. Lomis XIV. 'mpuered the twon in latia. and, thoug it wa- recapmed hy Mathomoh and brine Eumen in loos, the Aistrims restored it in 1713. In 17:0 it sherennly misted the detor-






 with the ma-mb, the famons Wiater entatimo of


 medirine and adener, tednical arlamb, a masio

### 1.11.

 endre of textile indo-trien: the spimins of limen








dillebomber at twwn of Nomamdy. an the

 remain- of a Reman theatre, latid mun in 1sios a



Lillibullaro. the famme phition hadtad that
 rilom altack on the lri-h remits, it is saill thatwe haen witton hy lom Wharton in lexis. and the

dillipht. the mane of a fatmon- kinginn docrilual hy cwit in fallimes Tomers, of whith the inlahitants are not greater in size than an malinary man- finger.
Lillu, Cibotal, Ensti-l dramatiot, wat horn in
 Soptomber 1739. Whilat carryins on the hatine of a jeweller in Lombon he wrote suven flay. two of whill are frepmently printed in rollections

 stotelel ithl with tmly tragic conchums, thomal He langage is indated and conventimal. Bi-
 till 176) $i$ : a weak verion of an oh anomonflay haring the sane title, writhen in hationd
 the tragie quality of his plays, billo deremes montinn as luing almost the tire Englinl fay-

 Pumurll in certain lomben theatres on the mixht after ('hri=tma-and on Easter hombay. See lillorIrametic Work, with Liti ( 2 vols, 1-72) .
Lilly, Winatim, a-trobger, was lom at livewhith, Lewetembine, hat llay 1 gote. He wat
 lif way to hamon, where for seven year he served an ampient sitizn, marrad his widow, and

 com-iderahbe fame and harge prolit as at mastur if mativites and a predicom of fature ebolts.
 of Wiatmin-ler th matheh for hiblen treabme
 Mriven from his midnight wom he a tom, which

 comtanins tatimations, the whel mo shall imFintature wan attachat by many. In the t'ivil
 pary in sum in it promiond to lue anceroinl amb Wat lumated with a persiom, hat it is lionly

 trase. Stan the limatation he was for sme







 rahe whateser, racept to illu-thate the knabers
of thair ambor and the aredulity of his comere
 -ervine raseal may he allowed tor stam-he was wheten by buter amber the name of sibophel. sere hin Mistory at his Lite and Times (1-1.i).
Lity (Lilinn) at arme of pant- of the natural
 pized for the size and lamaty af heir llowers. The perianth is bell-olagel, and it-swment-are often lient hack at the extemity. "lye root is a araly halls, the stem herhacems and simples offen
 smmit. The White lily (L. comdidum), a mative of the Levant, ha been lome entivated in Litums, amb muth sung ly potio. It has hath. pure whits llowers, as mund priad for thil framane as for their heanty. The Gmane Lily (L. Gethoform ), a native of the sputh of Furopus, with later,
 very thow omament of the fower-garton. The


 'lurk': ('in!.
natise of the somtho of Eumpre and alliod sactes
 common in garlens. L. chelechorion'm, a native of the Levant, is a very hrilliant ywrim, and bas been in chtivation ahout 300 yam, The Tiser Lily ( $L$. (tyrinnm) is a mative of " "hinal remablathe for the aillary bmes on the stem: and seme vely lime Which grows in marolue in the l nited stater. has

 wory fine surem hate bern introdneal from lapan,

 1. hemtsherense are raved and waten in sileria.
 ranting, of miling: when comad it in bimit,

 bulle. 1 single erale of the limb will, howern, -ntlice to promaro a new plant, or well part of a

 of ather
 Fibe li-de dis.


 beating at top at clutar of hage wintom haramus.
 the rom. This phat is fund winth tho montains and the seterost of Now sombl Wales, and is of splendid heanty. The bibe of its hateck hav luen

 of plame of the matural ader libaces, haviny



 Lily of the Valley ('t. mefolis), the humber or Maythwer $1 f$ tha. tipmans. grow in hashy places amil wools in Einopre, the Nurth of Asiat. amb Nortls America, :mul has a leatles sraple. witl a rictome of small Howers thrmed to me sille. It in it miveral favorite, ma acconnt of it. pleasing a peramee the fagrance of its. hower: and the early sarasom at which they alleat: It is therrame very often cultivated
 homes. Varimin atre in cultivation with red, variegated, and dmble thower. 'The herries, the
 and -mmewhat :rril tiato and furgative and diaretie potbects. "Ihe sued uf the thaners when in
 cotice Dried and powhoral, they beome a steruntators. The e-wimal bun dow the French is a water diathen fom the fommo. Allied to Lily of the: Vabley is solomonex real (al. w.).


 wa- lima at Difham, in Handrhive, thent 1 that.

 be travelled to the Eint ; and at Rhonden then the



 1.wns Ifor teachine for at whin pivately in Lem.
 lomalmanter of the now st loial's sehoml: this pont









 Latin proms, printen along with thon at annthor


 шниний (1.591).



 that in reqular limes, witlo wade stainht stren-


 (athandal (rabuilt 17th) is, after that of Mexime
 other midhen that call for mention ane (lar fran
 ansing the loftiost tower in the rity : and the
 the lmuisition and of the miversity. 'llare mi
 collowe : and there are alow thombental neminas
 gaten and a national libary. The last institu. tion was lonted dwing the flilian wompation ( $1 \times 51$ sib), and munems stathes abl work of
 This a-ater, ahbiol to earthpation and rewn. time. has wronght sall have in Linat, which remains still gintmespe and hematul. hat somewhat hably and very dirts. The trable i- Ieft almos matioly in the hatho of fimporme. Thes manfathere are not of muntane lint inelude the mating of imm, copler-shelting, and the per patation of fomiture, silverware goll-law and damperl leather. There is a railway to Omosa ( 12 s milas). Lima was fonuded an C"imlent de liss lityes (the monarelis of Slain and the 'lolnee Dasi), on lsth, lanuary las. ly lizaro, who
 Inelow the cathedral. The nane was afterwats chamged hack to that of the lmbian village that hay twondial the site. Eurthuaks hase been manerous. the most disastrons, that of $17+1 \%$, Hestrexing smo not of the (ongho inhanitants. The elimate of Lima is agrecable and in the whole
 mom. Fop. ( 1576 ) 101,48s; ( 1895 ) 1010, 191.

Limal mpital of Allen comots, Ohio, 71 miles N. of llayton, on the bitawa liver, Where serrad railwas ernse. It has stemm-mills and mandia. thres of mpints, farniture, de. Pry. Fing.

Limasol. wr Lamssond (tir. Lemisome), the elhief seapurt of 'ypros. It has mo harbmur. bat the water is not sus hallow as at hamaki: and there is a large tame elipfly with Frathe, is wine and
 Fingli-h trong are perman"atly qnaternd-anat it the town :and sum them miles inlath. l'y.






 (リ, 『)





 till- :anl learned work nu-t valuathe for the int






Limblires. a berriony on the Mence, bing
 created a combthip onom after it- anmexation by the (iermim king ( wa made a duchy the battle of Wormoen
 it shared the forthos of that stite. It the peace of Minster (liti) it witw divided hetwen the Thated l'rovince aml foam, but was again unted mind Frend men fon 1794 th 1830 , and from 1830
 once more dividod, the lands the the west of the
 narme strip on the mant side of the river was eon-
 of hoth provinces is in barts fertile, thom lare purtions of the ara are covered with moors. The marhy di-nite of the Peel intrmbes into the north of buth himbrys. The beligm prowne has an
 (impital, llamelt. The area nif the both province
 bimh.-The wall hown Limbery where is mate at the litule town of himbury (pop. tios), the fommer capital of the duchy. which is now in the morince of Licge, 19 miles E. of the city of Licue. The old ciastle was destroved be the Fremeh in
 Simar, 32 miles E , of comphe loy rat, has a the Gatholie eathedral (1243). P'on. 6485.

Limblos, the name assigned hy Loman Catholic theolomians to that phace on the fringe of hell (Limbers potrum) in which the just who died hefore Christ ware letained till his rearrection, and alon whe infants are hept who die in oriminal sin without hagtism (Limbus infentinm). Limbus is mot a place of comere, lat of a jor imperfect, and therein mblike the joy of heaven. frimats sutler moly the pain of law, am in mo rexpect the 'pain of ence: the mont asgravated of the tortures of IIell (!...)

Lille is the monoxile of the metal Calecum (If..), and is known in chemintry as ome of the alkalime earths. Its sombol i- CaO, its enpivalent is af. amb its surilic grasity is 3 ons. In a state of Purity it is a white mustic powder, with an alkafine reaction, and on in- fusible as to renist even the
 It is ohtamed he heatime jure carlmate of lime (an- for imtane, white cirrara mathe or leland - quab $^{\prime}$ to tull rodnes, when the carlomic acid is expmed and lime is left. This compomal, (ato, is known as quidlime, or, fom the ordinary methond of ohtamine it, as Curned lime, to distin-

 buring water on guicklime there is an angmata tion of balk, and the two enter energetially into cmbination : and it the proportion of water be mot tow ereat, a light, white, dry powder is moment, and as seat heat is poolved. (in expening the hadrate tio ar rell hat the water is expelhen ant quickine ileft.
 is -imply expmen to the air, it Jowly attract buth

 in this cater hoing of moder whid is a mixture of carkmate imd hydrate of lime Wwing to thic pro-

 injumed bymp. 1 jar i- barty filled with lime


Lime in ahont twier an enthble in cold as in lwitint wator, hat exen cold water only take mpabolt
ata of its woight of bime. This sohtion is known as limeroter. and is mach employed hoth as a medicine amb as a test for carhonie acid, which instantly renders it thathit, in consequence of the earlamate of lime that in tomed lemg insoluble It mut, of conse, le kept carefully gmarded from the atmonhere, the carlonic acid of which would mapilly atfect it. If in the prapation of -laked lime consilerahly mowe water is used than is netessary to fom the hydrate. it white semi-thin is promued, which is termed mill: of lime. Un allowing it to stand there i , at depoition of hyidrate of lime, alowe which is lime witer. Milk of lime is much nsed as a whitewash.

Lime prepared for hilding thal other pmones by lmanes limestones in kilus often abotains in comsiderable amount of impurite. but certain kinds of byghty impme are better than pare lime for making mortar. Gn the other hand. the lime which enters into the componition of plate and -het or hass, and which is menl in some chemical inlustries, requires to be ohtained from a nearly pare limestome. Fhalk and white mathe consist ni almont pore carlonate of lime, hot many of even the dark coloured limestones from ditlerent gedorical fomations do not contain more that from 2 10 is per cent. of foreign bodies, and these when lmmed senerally vielif a lime sulticiently pure for mont purposes. shme limestones, again, contain from 20 to 30 per cent. of impuritios, whish commmuly consist of silim, flay, mannesia, oxide of irom. and other boblies. These impure kinds oftan vield excellent hydralic lime. which is very gematly made by burning a limestome containing frma 12 to 20 per cent, of silica, or of clay in which silica predominates. A bess valuable livemantie lime is prepared from a limentone contabing a comsiderable amonnt of magnesia as well as chis. According to the alsence or presence of farign lomies, their nathre and extent, limes are clan-ad at ( 1 ) rich, fat, or pme lime; ( 2 ) imfure or por lime: and (3) hydranlic lime (see (emexts). When the prechtage of maguesimm carhomate in a limestme is high it is called a magnesian limestone, anl this requires lows inel to lmon it than a pare or nearly jure limestone. See Dondomite.
beviles the uses of lime noticed alowe it is amployed in the pmiliantion of coal-gan, in the molaining of hides tor taming. in the preparation of sterric achil for eandlemaking, for camotioning alkalios, in the smelting of some metals, de. Lime preipitates organic impurities from vegetable whomes rontaininer shat.

The following are the mont important of the salts of lime. Sulphute of time (calcimu sulphate) is
 minmal Anheflrite (f.v), lont more abundanly in
 phate of hame is a com-tithent of sea-water, and is aloo frequently ment in trinking-water. For laburatory nse a solntinu of oulphate of lime ss made he shaking op the powater of hamt gypum

 ahmontly premet in hoth the inoryanie and orsanic kingloms. In the jumganic king don it verus in a aryablime form in hediand spar, Aragonite, amb marlo: white in the amorphons condition it fum- the diflerent varietiex of common hmestome, challs, dr. It is alway perent in the a-lies of phamt, and it is the main constitnent of the shefls of "rustaceme mand molhses, and orens in consibmalle guantity in the lumes of man and
 ctoxe, Marbar:
(hhoribe "f E"thiam, rioll., is a remathably deliguescent mbstance and me of the most solulile
 mon-ture. In tha whit state it is mach matel tor dryiner rases, and the jipes of frewzing marhimos are tilled with a solution of it to coms the low

'lome is a combination of lima with an wrania

 manary calemli amb edimenta : tur a devaption of


There are several compummes of phoploric acial and lime, of which the most impmotimt in than tribusir" phesphat", uf lime trixaleimm artho-



 minroals apatite atml phophorite. and in tho
 formethith of the a-h of well-homed lome, the romaininertith lumer chetly carbonate wime. This ash is known as homenoth, ami is employed as a mamme amb in the prpatation of pomphobas. de.

The somble atto uf liman wive mo precipitate with an-tie alkalies, hot yield a white frecipitates with thein earbmates. These reactiom are aloo common [1] the -alt- of harimm and strontinm, solntion of -ulphate of bime gives a white precipitate with th" sitlt- of harimm and strontimm. The mont delicates tont for lime in oxalate of ammoniz, which, even in very lilute alntions. throws down a white dre cipitate of oxalate of lime this precipitate i innolnhle, exard in mineral acil!.

Fin the nlimitues eommonly desisnated as


 in asociation with gutath, either as the Putusie rom culor. or as I'imme I'rsto, is necasionally user as a eaustie. Limemontor, mixed with an equal puantity or an pxeen of milk. is one of ome hett remplien for the vmming depment on irritalality of the stomach. From lati an ounce to two io three ounces may be thme taken thrme or four times
 Inans is noticed in the article lasimexts. Cluth, w molomento of lime, whon fred from the impurities with whimh it in uitun amorebiterl, is meed as a - lu-tins-powler in moint exemiations, uleers, de: itnil. in the form on verll: miotmo and compontud
 form- of diarrlona. I mivtmp of an onnce of frwipitated carbmato of lime anl at puarter of an
 (iomidurated cir fomeons Tonthe-pmodio.

Lime. on laviles (Tilin), a memn of trew of the natmal umer loliacea, nation of Europe, the
 are vary similar : pracefol mmbramonu- trees, with - leabloors, heart-shaped, serrated leaves, and rymes
 wirlt eyme or pathele acemplanien with a latese.
 win- ther lower prart of whirla allowne to the

 work: It is much uned hy turners, athl for makinn




 moner hark for makiner ropme matmand whor pationl work is notiomb in the article listr. It in

 it hames sip. Tha loaves are in whate mantrion

 ahle alome, and ahomail in homery, mach smornt
 moch vahed tor medicimal now amd for making
 kesmo, in lithuania. "The' infusion and dintilher




> Limestren (Tilne . mronn): '. a llower
remedy for eatarm- The wed- alommat in a lixat -weet oil. Thr Enmoran Limes ur Lindrn ( $T$.
 in rich alluvial suils. Some moniot- distinnmish at small-leaved lima (T. purvifidion or meroghylhe) and a lave-leavel ( $T$. immilifolia) as dilforent species: , thers remaml them as mere varietios. The Ilooded or (apmehin lime is an interostines monstrous variotr. The lime-tree is often plamtent tur shate in town: and the frincipal street of
 of lime-trees which line it. The lime is at bery dombtfal mative of Britain. althoms indigenoms on the (ontinent from scamlinavit to tha" Xediterranean. In lintain the lime-tree is wenerally jobrasated by layers. The Ammican limm ( $\dot{F}$.
 woul in Amorioit, has larser leares thath the Firmpean meries. It alommats on the shomen ni Lakes Lift and Gotario. Whier precies taho its phace in more western and mome somthem rewinn-

 like protnberame at the ipex. It iv ratarded hy Many hotanists as a hylrid lwotween the manow and the lemom. There are many valution, suly inm mope or bes in shatar and sise ami in the bume
 Havomr, acibliog, and jubimes of the rind and
 the funt, iwomanos to kimul. It appears tor hase origimated in the lisut, but in smme ut the variotion.




 of the froit ato the *ame pratiotly acthome of the



Lime-light, lifht promarol ly it lolowjijer.
 quieklime. 'l'he' lime, which onght tu le warmed



shtamed, about lijo eambles: (2) oxyeren mater
 eancentrice tabse to a mozle, whare the minture is






 (ti) 1 My "The mixed equse at ine monale are explosive, and the witateot rate mast be takiol to med that the thane i - mot allowe tor ran hack on the mixame to


 allow an explosion totratel barkwame in it. Limm-




Limorick, a combly of the province of Mhmeter in lelamb, separated hy the filmom on the N
 and W. he kerry. It extreme henth is 3itmiles,


 Cathander. It is an malatime man excen on in extromitios, woth and somth. The soil in genemal is fertila, especially the dintrid called the (iondon Vale, whish comprises 1 phate of 150,000 acres. and a protion bacike the shamon lelow Limenick. of the entire areat 5 s. 24 atere are in enltisation 61 per bent. is grasmand, whilst harren sobl and lows cover moly 6 per cent. Jotatoes and mats are the princial cran, wheat innl clower oceng ing the secmul phate. Itary farming fommane: Wondoms, domer, and pager are mamfactmat, The comity remons two members to the Ilome of Commions, Limerick is the only town of any sia. The comaty formed purt of the territory of Thommol, the primpliality of the OBriens. Aiter the English invasion it fell, after many viciositudes, in sreat burt to the fewmond Fitheralls -the confiscatem entates of the last earl (15sti) in Limerinle contaning 96,165 acros. Limerick is more than manally rich in antiquities, hoth eeclesiantimal and eivil, oi the Celtic as well os the Ango Norman juriod. There are a dreat momber if montatie mins at Alare, JWeatom, dir. Sue
 ( $\because$ vols. Ituldin, 1 sid-27)

Limerick, matial of Limerick county, Irelam, atanls at the heal of the athary of the shamm,
 luth a emmety of at rity and a parlimmentay
 forions to lass it retmoned 1 wa. The town


 hiately for the sonth, on the left hank of the


 intioten mexpt the Protestan rathedral of st






 amb rinits, ami tmber to the ammal salom of



In the ?th rentmy limerick was an important Jiminh settrmant, and rimained so for two centuries lamer : hat the finmes were then expellend ha the Irish. In liot the fown fell into Engrish Jands. lieton malre himself master of it in $16 . \mathrm{a} \mid$. At tha lievolntion limerick was tho last stmmeladed of dantes II. in Iremand. William Ill. himself montoronfally assanted it in fion: lint in the followiner riar his general
 fedbed to capitnlate on Bid Getolver. IS the terms of the treaty of finmetel the lalk of the lrish amy wan permitted to enter the military service

 vinhation of the civil part of this treaty ly the
 Willian Ill. and Ame, Alown to the 190 h couturs, has wiom to limerick the title of the ' ('ity of the
 Linalans: hiskory of the town (Asti).

 or to a barme extent of earlmate of lime lew mimerals are ooxtomively distributed in nature as this, am!, in sumf form of allar, limestome locks oceme in wory weolewionl sblem. Cathmate of lime is marly insolnme in jum water, bat it is
 acid] gras, which ureme in a variahbe drantity in all natural waters. for it is almorbad lis water in its
 !"almate of lime in solntion is comequently fomml in all rivers, lakes, atnlmak. In evapmation water
 homate of lime rematins biniblameet, lyeroming aralualls ementrateal, motil it has mureratmatom the water, when a precipitation takes place. Inthis Way are formed the stalactite which hame icicle like from the roofs of linnestme ravems, and the stalamites which rise as eohmme fiom their floms.
 is similaty fommer jn rominer strams, bakes, amil -priness, by the tepasition of the earmmate of bime on the heils or sifes, where it ancunts and himes
 de. So mon bigls nests, twios, mon other abjects
 wells, as that at Kinaresoromith, liom the same canse pipes combeging water from boilers and mines often lequme choked un, and the tea-kettle net-lined with 'fur.'

While water is thas the wreat stombonse of earmate of lime, verve little of it , bawerer, is lixed hy propitatim, for in the menan evamoram dues not take place tosmelatin axtont as to permit it to themsit : hexides, thore is live times the quantity of freer earlmone acid gan in the water of the se:t that is reqnimed to kerf the earbmate of lime in it

 tha' have portions of the humerons amimals which
 fomminifer are ever hasy reporating the litte
 suldifimge them, and so smplls the materials







 correspording in structure formy of the lime

 folde (4.5.): C'onmert Limestome, a hatil, smooth.
hinegraned rock, spmerally of a buintary cohomr Covetulline limesture, is rock whido, irom metamorphic action, has hecome stanhar: firn-wraned

 natmes are given to some limatomes fom the hind of fus-il Hat alound in them, as Cimmmble,



 limestmes. Inybralic limetmes contain a rertain propertion of silica and almmina which moms a mortar that mets in water. May limestomes, again, terive their nann from blo - watem to which they hejone, in silmian. Weomian, Carmoniferom- durator: di:

## Lime-trae. See Lime. <br> Limbiard. Ste lhern dik.

Limitation iv a torn Incol, in Emelinh law, in two selses: ( 1 - limetutuon uf prentry is a fom of worls tred in at dead or will to matk out the extent if the interests eiven. Tlus- if land her Fratuted to 1 and his heirs the words and his homire are worde of limtation; they indicate that an estate of inleritathe i- given to i.
(2) Aimitotion of A.tions.-Tr protect perams in powersin of property, and toprent the raking up of ohd dioputer, a thme is tixed whon which actions mut le bomot. An action to recover lami mmot he lirought within welse years: if the whor allows that time to elape withont asserting his right hi- title is tahen away Actions to recover delat of dauages mat le lronght within sir reall-; for a-salt, within four years; for slamber, within two years. In seothand intions to reener land must le hoorfht within forty vears ; for ordinary delots, within thee years: and for lills of exchange, withinsix bars. see Prescraptox: and Inswell's stutute if Lemithtums, with English Acts (Borton, 1sve) .

## Limited Lialility. Sem compass. <br> Limits. Metinn ons. ser cimeters.

Limma, an interval which, on acemont of its
 of modern musie, but which, in the mathematical "alculation of the propotions of dilterent intervals, is uf the greatest importimo. The limma makes it-atpmarance in thene liffrent mataitules-viz. the what limma, whith i- the difterence between the large whole tome and thermall anditome, being in the prepertion of 27 tor 25: the suall limma, whirl is the ditieren" lotwern the ereat whole that and the great semitno, being in the promer. tion of 13.7 to $1: 35$; and the 1 tythamerean limma.

 and the perfect iourth, the propertion of which in a-

 all part of the warh, and feething wa weratha mather. The hell is thin amb pald, rapmbe of "matanime the whole :mimal whon intractol in datuer or buried in the mad during dromght. It
 in whe finn in the altiol wemm Inamphas and









 Hu Wats able to rear a dwaf boud by horping them
 to the surface pritulically to berathe the air
 lumbath : some are sill to milion the air Tmblale
 th deep water, remain at the. lootom, and n-... - in and hugechamher as suhtitntes for sith. Dume



 ment. Limmas is a mefnl immate of a forl water

 fom at smilar function in bunds and arama, and turnish foxd for lishes and himb. They are uften infeted hy panites, of wheh mane complate thwit life hisury in higher hors. Thus, Limmens atey-
 the -hresp.

## 

Limosecs (apital of the Frmel department of Hatte-Viomes, and of the fomer prosime of Limonsin, ic pieturenpely sitnated on the l'irune,
 of Tonlonse. Its hunt impreing binding is the Gothic eathealrat, legun in the 13th "omtury ant completed in 1s: The staple induntry i- tho mantartare of parcelain, which emphys mote than 500 perphe One-half of this promet is expmoted ammally to therica. The phamel-work, for which Limmen was formery celdmatol, is maw mo longer carried om. There is a tine coranie muscum ( 1867 ). The manufuture of thanel, cottom, papro de are the chief erombiry imlus-

 Darands Jemrdan and Bugend. It was an imlurtant town maler the limans, and in pite of phagues lires, and sieges (the worst that lay the Hank Prince in 13-0) from all of which it hat sufferen severely, it is stibi a plaw of mote. It hal its own mint from the the century down ta ls:it.

 (1890).

Limon, it port of Costa lica, fommed in 1861,
 ath the powe has a landing-per. Thom are con-
 elome, cocor-muts, arsaparilia, wotables, want, and hats. Pop. 1 tol


 amorphas maser, ath bume in that on ditinite




 into linmait.













## LINCOLN




 ing coworile with the help of a peenliarly lones


 In all. It is notromtly that the limpert surw :









 Ameriot hats at whell atoot wiole. Which is oftern


 ated with latellat hex(ग) whe frace which their madlo :and ratuensubgest. Thes kesoluble limpots
 fimmils, marked extemally ly a hole it of heire the itjex of thas Shall, ar bive a notel on the athterion margin. Inother exter hatls imilar lat matr rembite sot of bimbets. aw united in the fambly lemstida, of which Armen fistminulis is very ermmmon on that northern comat of Xorth Americia. Thes are often coalles] - lipytr-lim pets, from the frearmers of and temal lhame an the incipiontly mpisal sholl. and are enomerally


 redaldel to the above, :10 known


 lin! りi.

dillulus. her lilvi-vitul.

wir lrown at (: interlmer abmat
 Allsinal ("olloge in liat. Shortly afterwand he weut tu lialy, whore ha leamed limeds from ('hal.


 rimb. Thai lattar ollier he emptimud to till darimer the reaterl of llemy flll. It the same time ho
















 of Thmirion at the Cludeni- inthe to the Xith. It was fomaded ahat llat for lemedietine muns.


Lincolna at dity of Emstand, the capital ni Lin.
 fiphal hrough, in stmater on the Witham. I2 miles
 W. of leman. Built on the lonne of a lill. which rise eto fort alowe the riber, and is commed la the eithedral, the rity is impring in eflemet, and


 mutaly the eatle. monnenced in boti hy William
 north site of 1 he rity: the Exeleguer and rime law gatewas, the latter supurting en ghilhall of mediatal architecture : the dew's 1lopse (Noman),
 it Jars's (inill (Xemman): and the middle erammar selawl (to which aditions have recently bedr made) fommed in lisi in the firey Frians lat

Lineoln Cathemal.

 mittodly ont of the linet in Finglaml. Lirected



 mondeni ly a shre, at till bas were the two


 whth purd (firen 1210): the 1beorated elwir


 lablo. hame the emtal town, which alowem-







 ally in alueyme. i ane of the lateret in the woth,
 Carholme. date back to at lanst the reion wi解mes 1. Gbe member is retumed to parimument for the city. which. Bumedore is the dencit of the lincoln-hife resiment, and erives tho intorior titlo of earl to the lhke of Vewatste. In the hisuory of Lincoln the most noberothy inembents hate bern
 lires (1110 aml 112i): a battle (11t] betwera
 during their strusche for the Emeliah rown: the

 ally to the catherlmal : the hatthe uf Linenln, ur Levi= Fair, folmotit tils Jume lols: live protio. ment- ledd here ferwern 1301 ami lisvo: six roval visits - and liatly. the sienge of the town and dose. eration of the catherlial, By the parliamentarians under the Earl ui lanchover ( 1644 ). Dmond the
 in jous transerral the ere hither from I Orchester in Uxumdahe: At Husl of Aralon: Rohert (irossetente: Cardinal lieanomt: Fleminer and Nuith, the reprective fonmers of Lincoln and Bravenowe colleqes at (Wfurd: Carlinal Wolser: Tanimn and Wake afterwand ardhbinop of Cantermary : Thurlow, a lirother of the Lord Chancellor: amd ('hrintapher W"ord-worth, the fommer af the theo-

 at the artiele Lidools- Halse.

Lincolli. (1) capital of Surnasa, stand in a fertike paitrie commory, on salt Creek. 66 miles hy rail sW゙. of (mmala. Lail ont in 1S67. it is a hambame and thating cits. The pmolic baildineinelume the ftate copitol. nomersity, prison, and insane anylum, and the [-nited States conrt-homor. There ate mommona mamfactories; limestone is

 town of liluse Islami. 6 mile. $N$. of loovilener.


 them fam-imphoments, ant is the seat of limonlo ! Miventy (*umburlan! locelyterian) and of an


Lincoln, Norst. a jeak of the Roeky Jommtains, in Colorado, alomt omile- NE. of Léndville.

 summit, and here is a motemonnsieal station conducted hy Ilarvard Collown, amother station beine


Lincoln. Arenllum. sixtemoth perikent of the I mited States. was bom in Lbamim eombty, ken-




 w berks romntr, fenmolvania, and diad there in 173. The family history henceforwat matis the









 Shalam, the inture prowilent, wat thedr sermit
 oll. Ilis reatlo.. father hat arowiol the (thin in


 Samala (linsh) lohastom, a worily woman. Whar
 - Whathan leamed the little that was taturh in the. backwose sehenhe, and wat emplosed in lomalt farm-work watil at the age of mineratalae towk on
 vow of shater made al lating impreainn on bian mind.

When Lineoln was twonty whe hiv father fo moved to central Hlimois. where tho mon arrinted in fellin! treas, hmillime another logeabin, mat oplin

 comntry stme at New salem, Illimois. When that ludian chief liback ITawk distmoned the mothern
 work- a- calptain in an meventful connleti-n. leting defeated as a candidate for the leginlatma. he pmredraed a mall storr, bit its failure leit him burlened with deht. Howeror, he was mank sillage postma-iar. and aloo depaty to the comaty -nveyor, ant the linht hatie allowed him time tin -thly law and wrammar. Elerted to the leci-lature in Is 34 . Ite served matil 1842 , when he derlimed inther nomination. Ile had lecome betater of the Whise, and wan inthential in having tlor state
 linhl, where he hat tixer his rodence. Thither,
 uf Ealert Tolll of Leximetom. Kemtucliv, aml in Nowember late ve wat marriod to that riving lawyer. ln lyta lincoln was electen io combers. but his arvice was limital to a single term. l'rofenimal work was steadidy drawing him from interes in pulitice when in latit suphen 1. Iomaras, hy his kamsan- Nehmank hill. repeabal the Mi-somri "ompromize of 1 soo, and rendmand the puestion of sasery in the territaries. The hill rancel intemee feeling thronshome the Noth. athit
 it the state fair at spmotielil in wetoher. Lincoln,



 and the Whiss of that lonly embeavomed to -rami him to the l nited statem semate, hut fanally at hirequet jomed in elerting Iownan 'lymmbill. an anti-lbustis Immocran. When the lepmblican party was organied in 10.06 to "pmee the extwn
 lember in Ihlinoin. It its tirst mannal comvention
 him an anmine for the vieepresinence lint he did not attain a national relutation matil ls.is. Then lomestan, velimer revertinn th the 1 nitma States semate, beath at cansos oi lllimsi- in alun


 attancoml the attention at the whale commtry : hat





 prover that the fommber of the repuldic hat
 prat the liopmblaran combertion wan laeld it


 un a camblidete. Ihnelas was nominated hat we




 : 1 : and lhumlan, 12.

The mondary leaders forthith fort in exemlime their plans for the secessing of thetr state Guth carolina mowed tirta and with the eix tinlif



 and reacling Wahington on the eth. Wis in




 of tha I nime of the seven members of Lincoln: calanet four hat been bemorrats, there Whiges tho weye from lurder shavestates. The chief ghates weme given to W. 11. Sewan of New York
 (whetary of the treanaty). Edwin \$1. Stantun wa- male spectialy of wat in 1 stes.
Un Apuil 12, 1stil, the Comformate reneral Beanpownal atacked Fort sumter in 'harleston har bemp. The civil war Joing thas commeneed, Lin
 -.jown militia for thow monthe, and ordered the

 anduammed to make it elfection. The somtiom Comfederacy sum hat antrol of eleven states, amil pat in the fiedd fow, on" men. Ther firat impertant battle was fought at Ball lim, Virginia, duly $\boldsymbol{2}$. lsti, and resulted in at diagracefol ront of the ["nion army. Further aecom of the military and natal events of the war lelonge. to gemeral hatery
 cond he embed in a fow monthe was monawd owe fom vears, with dralfal samifices of mom and mbins. Foreisn interventim, whieh semed immimont at the ontset, wat with liflionly averten. Ifter sixteren monthe, in which the dinameters tor the I nion army hal matambered the victmies. limond derlared to llonate (irceler the line of his combut: "Aly pratmont object is 10 save the l'nim, and not cither to save or dostroy shavers.
 I would doit: if I romblave it herena all the

 that. Une montio latue the tille hall antue for
 Weflelan's vetory at Antiotan, lineohn pro-
 shave in states of pate of atato then in whellion
 the timal proctamation of emanoip:tion wa mande.
 Wrone from him ly the wigne be bivil war, was
 of the Thirtermh Amombent af the ' 'onstitution, "hirh lur pamerland wed, thongh it was not



 hame daterem the lant hope al the Comfernate



 home hichly remore that thene deal shall mat hame





Gmeral drant wacealled to the chief command of the I'nion army in Mareh 186t, and antered "pon that protiey of persiatent attrition of the Comfedrate finces which thally hrondit peare. In
 Linmoh was manimonaly mominated for a secomet



 of the deotural votes lineoln had ele. Alechedian 21. In his secoml inmgual ahrem, in Marel lstan, Lincoln row alove the ordinaty range of sheh metat sions, and like an insoine prophet set forth the
 Which he naw drawing to a close. A month later he havl entered lichmond, from which dirant had Wiven Davinaml lae. Limenh roturned to Wianington to comsibler tha now problems presented hy Ho overthrow of the cimforemes. lant his work was abready dinishod. Whale seeking maxation with his fanily at Forfs Theatre he wan anomnaterl hy J. Wilke lionh, an artor, and died on the nexi moming, Apil in, issio. The national rejoicine ber the return of pace wat tumad into sind for the martyod menilent. The whole aivilised world juinal in experesion of sormw for lis fille.
Lincoln was 6 feet 4 incher in height, with long limhes and large hands and feet, hath complexion,
 bark hatir. He was shomer, wiry and strmar, mild and pationt, fair and dired in speeh and action, arming all tricks and shlterfuges. stemelfist in primpile sympathetie and charitable. Ho was a man of strict morality, alntemions, and familiar with the Bible, thomb not a professed member of any thurch. Dif publie life was devoted to the
 as the sation of his commety and the liberator of a race
(lif his four soms, linhert Tould Lincoln, tworn
 homb. He was seeredary of wat in the yars 1ssl so, and wa* lonited States minister to Eninhal in the yearm 18s! ! 5 .

See Arabli, The Life of Alurehom Lincoln (1885); Hamdon and Weik, Wha History and $I^{2}$ risumbl Racellec-
 Hay, florehum Liucola: A History (10) vols. Lsell):

Lintoln, Brajamy, an Ameriean general, was brow at lingham, Maxadhertte, efth dimulay 178: : in 10.6 remfored Wablingtom afner the W.ferit on lamg latal, amerved with him that vear: in 172 a wa appoinded majorgeneral, was wombed in Octorer, and diviblal matil the following Ahgat: bhen warised rommand of the
 ' Thatom in (Chathotm, and compelled to eapitnlate. Hewan whathed at yar latrot, teok part in the
 Commallic' swoml. He was semtary of war fom

 and, ather Yorkhire, the latese in the remmery, is lummand on the X. loy the exhaty of the Hmoner:

 and W. he devour, Xottingham, and Jork hime. Heaming 7.5 mikn from noth tusemth and fs



 the romet thendhes a lime oi haw hime marane.

 Tou the wet of thene mathe lie the Whils, a range
 on Humber in the motho satemithere in at and

 -iffe of the connty, from the Hhather in the north
 primepally of light plamh, whilst in the wath--Lt are fen- forming pet of the liadton Level




 form- it montlum hombity are the Trent, Witham, and Welland: and a boticpahbe feature "if the eonnty are the mumerm- amals which interent it-iar-lyke amb Fowselyhe, the two bargent. heme pmobity the work of the limmans.
 bocility, are the frevalime mils. Xear Incasten limentine is extensively ghariol, and in the went -rn di-thict- inmothe alamms. The elief erole: are com and turnip, and in places hax is cultivaten: but from an asporalumal foint of view the commy is lowt lemwn for it rich 'wapplandahomethe bank- uf the Treat, athil for the immene

 fais at Homearthe and Limeoln attracting many foprifn and Lomdon healers: and anomst othor imblatios may lo mond the manfacture of agienlaral implempat-and mandinery, and the grat -hipling trale amb diolerio commented with the phet of Trimaly:
 "I'ant-" a they are calleol-siz. the l'arts uf Holland in the combnat, comprising the arreatmo part of the Fens, 1 he late of kisteren in the sonti-went, and the l'art- of Lindsery. which iley far the largest, ments inf the remainder of the comaty. These fart-, path uf whith hat its own comatis comed, are mblivided int" thirty-one wapentakes or humitenl-. the rity of Lincolin amb the manicipal lamonds if bintun, Granthan, Cirnat (irimulos, aml Lanth, with part of that of $\rightarrow$ tamford (the renamber hime in Sorthampton. shire) and contain in all the parines. almost entirely situate in the dion+es. ni lincohn and mind
 Pur parliamentary papmen the "omms is Mivited into seven divi-ims, whe the hormagh of butan, (irantham, (irimoly, ath linuoln, eath of which

 - deaford, suabing :und sutene.

The hiotory of the coment apart from lincola i- coun telld. It wie luere that in laist tirat hobe ant tho in-uremtion known an lhe - l'igrinate


 Gainkiarongh, tranthath, and Winnoly wore the
 the antimbary linmandire is ut sherid haterent on awrome of the lathery of it- many dareln-








 Lan! B:and



 Framklin: lir thath, the forme: In Lingard; Land
 lay then (2 wh. 1s3t) and bir tharlm interan
 (1990)



 lianoll oil :and buin. and while -till platice inn

 mumb cheiture than embersed heather.



 in latis, and has sime chlited varime jommats. in
 which he fombled. He hat lataneal in thate or
 ealien fruito of hiv imbuter were the plamantly

 (lbit). Hi- -kill as a writer of atital-knoldein at satinical and humbrons hatmer is bhom in

 and his callime as a literaly eritic in athition on Iholiow (1s-1) and A/fird di Messist (15:- ) and in


 hed perhapo loeter known a- writer of phay and movils, the -ubject- of which are taken abomet

 Iramatic power ; the mont sumporful was ferlang Wherin uml Duepholow. A remlection of his theatrieal piects was palminded in thep volume at



 Writurn work of travel, ath in hat luctanm mathater uf the cont theatie at Xhiningorn

Lindeng, ree lime.




 Lindtes : attention at an ratso date. Whan litum













 fiment bituon :a col, 19:
 "xtrattan. Au Walher ho Limizas. whtime in




 Willian the lime ami hal thas sums. "lon two
 final eventhally came to the dasembun of Willian of Lathers, the thire wint.


- ir lhexamer Limbis. yomuer hother of sis

 -inter of labhert Ill., anl wate croated in 189s Earl of ('anfort. 'lheir chide seat was Finhaven, in Ahers, The family attimen it- climax of paver miter lavid, fitth catl, wha was mate buke af
 was known as - The Wichend Hater ; and his eme thet hed his bather thamer the earhom ta David Limban of Efall, the mext heir. He, however, bett it at hif death to the son of the Wicked Master.

 th the earhton of Cawford in preference to the decembants of the malle of the sisternth carl,
 mediate padno of Elath and babarres.
 - Sir Willian Lindsa, yomer hother of the
 with his wife. a dimehter of Sir Withim Mlut
 visy of the bytes, comnty llatingon, in 145. Int their minojpal noidenew was stmthers Castle in Fife. The tenth lame wav in 1644 chented Ennl of Limlay : and, as stated alowe, umier a mow patent of Charles !. 1n 1urame sevententh Earl of




 wate lae lant of the dirmat line of the bives

Betels of billumes aml Cheaford. - The Lind. say- of babarre, in life, were a manch, and eventally the remmentatives, of the himbats of Edzell. The dirst wat hal Memmir, Necretary of state to Jimes V1. His om lhavid was created Lard Lindsay of lablearys in 1633, and his prand
 Neath ai the twentr-secom? Eanl of Crawomb
 thinl Earl of 'raw ome A further cham was pre
 conforred ley Jame III. Jy the late Earl of 'raw















 linen in the libla and nther andent remens. bat.




it linens, hecanse it in kbown that some of the fimest surts used lis the anciont diredks and homans were woven on ligytitul loms. .lan hefore the - luriatian era the cultivalion of thas was extemive in Italy, ame it win prohahly lhe lamans that the grawth of dax for textile phomen was introHucel into Dritain. Since that time the art of -piming and weaving this filore ly primitive
 in "omatrim that were onerphed hey the lomans, and at all exents it can be traced over the greater part of Earme fam the 6 th or ath watury, till in comparatimely resent times it ahmos intirely
 hated in wortain eqntres as an important textile manfiature. Intere-ting - fectimens of figured
 linem and aton of silk :um linem, and mande in Jtaly
 seen in ofre nt two industrial art maneme in kne land and on the Continent. The gromal of the celp. hated bavenx Tapestry (q.e.), mate in the olth renturs. is of linen, which, hat mean of carema chaming, i- now of an anot show-white colome.
 for the weavime of table-linen to early as the llth wentury and fom that time till long afterwards Fimminh wavers were neranamally settling in Finglam. Amome the llamenots, who in the bith century somith refure in England and other abontro, werp many workmen skillet in the mak-
 to hell this and other imbustries wherever they settled. A mavenmont loand of mamfactures was extaldinged in lopland in 1;h, and another in trotlanl in 1:2-, butl of whien, ly a system of Inmoties, encomared the linen trade in speral ways. In England the linen mamfacture was ahis a-ated lis hamtios. which dis mot finally wase till lase. '? introduction of a mill for simang linen-yarn by madhinery in the dinited kingdom. It was lailt at Wartington, and the patentees of the machines whe I. Rembrew and T. Porthome. In seotland the lirst las spimming mill was erected near Glamis in 1atw, atnl me or two others wre ret agoing in lite wry somaturwarts. Alhomgh the powerlown of raturight was alphial to the weaving of
 factory, Which lanl any real ancerof, for weaving

 improvements in the marchines for ginninir and weaving maton have lum more ratbil ham in those cmplowal for the mandiature of limen.
hraklong. - The preprotation of the filme of the Nlas plant into the state in which it is sent to -pinming mill is ateseribed maler the hembing fion. It the mill it ereto a mond sorting, and is then heckled, a prowe which has lowe in ase for remturies. I hamb howle is am ahbong stoek of
 inchere later in the rase of the first or 'ruther" howlole. Thio herhler takes at handful or striek of


 The Hax is nex similaty treated ou a herkle with
 is further whulnal on will finer herkle. The
 two fortions vi/. limes, which is the longe and









 whene the atotad leetkling taken plater. It thi batt si their emare the sheets mowe in at maty
 whieh i- tixed in a hader and hand down hatwert the homs. There are other himb wi hecklinm-mitholint-
 is abembly sortal into qualitien. and then mater-
 buring. Thase atre of thas some nature az the

 noticed; hut ther will he mose finlly dercrihed momer
 where the this is lime formed into a portimmons


 cimilat armamement forming part of the -pmationsirames. There are wembetly three, and vecolsimally
 timer will tworl than the me lofore it, and from eioht to tiften livers meliverat ly one of these
 nest. The whect of -1 mach hombline and ilawing in tu bralnar a liver ai very mifumb size throurfhont. and with thetibrea all paralled. (3) 'That foring fionme thomst which the sliver is pasaed
 in euntruction. lut with a llver and lobhbin for the How :reatly attomatod sliver, which is slightly twinted ly the former and wombl ugn the latter. F゙lax tow be cardal in the same way as Jute (I.r.), and then woes thangh the preparing processes just deseribed.
 varn on the thome insenterl ly Arkwright.
 it loxe not dither in principhe for either thhe (sen
 for all line varn-the tibre is -pum wet- the temperature of the water uned beine 120 F . lis thin treatment at riven wejght of thas can he spati intu a moud ertater lenorth than fommerly, and at letter yarn is prolucel. Dry opminig is, however, athouted fur coatros and heary yarms.


 nuivel-al use. It was fomml to le a mond more dithionlt ta-k to adapt the prwer-bom to linent tian to cottun whing to the wint of dastirity in thas.

 of linnor :an orther fabrion are hereribed under these -Mr・テal hatils.

Limen is mamatatumad in mont Finmpran monnirios, bat on the continent the indosiry attaim


















 mate lomfarnhe towns.



 amol for certina modinm and tinn hathan with

 and. in the the qualitier, of mot lowine ciaily milend sem insulliciont to kep Mi the fommer demand for
 that the -terepine ponces duen not remowe all the natural wam in the fihns. It hat heen stamal lis rapert- of hish stambiner that, if the ermo enomble
 then in Hu rearon why hax shmala mot let spon as
 inf: which mot many year: ago were ment latemb mate of linen, cotton, inviner to itn meater wamath ami cheaphes, is now prefered : ind for othere, - Hell as damaske the two materials are of late beare biten 1 -ed dumether.

The total ammal valne of the limen mandactures
 rean bate averaged hetween five amd sin million foumb aterlins.
The manniature of linen in the Vnitod states has never bean extemojve, the limiteal puation of thax grown there being raned more for the seed than the fibre.

Line Spectollils. Neesrectrom.
Limes of Force, See Maremtim.
Linge (Molder relleferis), a tibh of the family (ididiax, abmmant on mant parts of the bititish chants, am? a-hewhere thronghant the northern seas, and in value almost rivalling the roml. In fomm it in mola more elonsated thim the eon, amil even more than the hake, with which it ashew in having two dorsal fins and one anal lin, the anal and second lomat loner ; but it differs from the hake in havine it hatbel below the chin, and tecelt of unequal size on the jaws aml vomer. 'lhe linu is gencrally three ar form feet lang sometims more
 conour is gray, inelininer to ohe the hells -ilsery, the dins eilged with white. The tailfin is mamberl. Thas exape is larce, amd the month well farminhal with teeth. The ling is a very vonacions fish, feeting chielly on smaller fishes. It $i$ alsu revy



 rad, by lamolimes and lomer lines, wh the rostata of

 he the trawl. Nomt of thens are yblit from heral
 the sum. ithi wont the the matiot in the farme of





 hatbe laral dowrilnal.








of the sroment dererijtion; tha-tahing the sathe amme as the smilar worship, of the Chathatans. Greeke, and wher mations of the east ant west 'rhe mamer in which the Ling is repremend is aenerally inoflomive-a pillar uf shan or othor

 part is Pime or the symber of tomalde nature an pronlactive see Dhir's sumpot finte (vol. iv.),

Lingard. donx, historian, was lame at Win-
 Lincombine 'atholion hiv fathor as rander, himother the bathlum of a rountabla farmer who bat luan rumet by the penal bw: Apomiang

 till in 1 Gus it was bokion up les the lievolation. The tatholie larliof Jet razting lathoties to


 the oftion of tutur in Lam stourton's family, in $1: 94$

 the collem, perioct of tho studion and profesm of

 wher of the pe-vimory of Maymoth, a- fomrtean rear later of a carlinals hat a and hare he cerew




 IIF first importwat work, the futiguit! of the
 cularged ell. 1sto), was lint the paneer of what wontually hecame the lalour of his lif.-a Ihistory
 whes (s.it -is). Thin from the mutert attracted munlatention; and the tirst two editiom- hemant it anther ett:3. It was fiereely a-ailed in the Eelimberth Latrion: lint in Lingad in his reply di-pblayed so mach phlition, and su carefnl a recarid fur miginal antlurition, that ther result was to uth materialls to lis reputation as a scholar and a rritic. The chiof manle of itc Cethalic origin is not selfom tha ahemer of Trotentimt hias and pre judiw: still, it is as deelaring the viewo of a candid and judiom ("athelie that the later whmes retain a permanont value. The cartior whmes have
 writinge, whith were mumerons, see the Hemoir her fimm hemer, prefisel to rol. $x$ of the tith eif. of the lisistury.

Lingua-Franteat, the ramplet ftalian whim


 ally the lacent. Sny langnage whinh arres a sinilar furpoe, as, for instame, Swahili mal Hanmat in friea, and tho Clamok jution in the

 wher Closin.




 the comsteme of oil whila, "homically, bust of





a- Hutatorn chen ohl, whin is preparel hey miving and Shakins tugether solution of ammonia and oliceral, and is cmploved as an extemal stimmlant and mbefacient to relieve newrale and rhemmatic
 dhe, the constituent- of which are abil. mampor, amb pirits of rembary, and which is uod in sprains, huis", theunatinn, Ar. S Limiment af
 and shaking terether equal harambe of oline or linsed wil and lime water ; it is an exerplont andication to hums and sealds, and from it- werleral enployment for this prorgne at the Camon iron. worlis has derivel is fupmar name: ': whulur Liminat, comsisting uf emphor di-alsom in ulisenil. Whelt sensed in prame. honises, and ghtutular

 a considerable glantity of ammomia, amb is a
 "رni"nt Linimem, whiclo comsts of orip linimemb and tincture of opima, and is math employed an an : monyon in memalnia, themation, de. These
 thom. lont the term has sradnally rome to he apmind to tinctures intumber for extemal nee. Sintare tha limiment- of atomite, belladomat, cantharider,
 with alcohol, anl tho whaining a coucentrated tincture.
 capital of Ean Cothland and the sat of ito hishop, atimbs 38 miles. of Lake Roxen and $1+2$ mile In rail $-1 w^{2}$ of Stowholm. The limanempe cathedral, which dates from the loth emtury, is one of
 ime his had ditect commonication for verol with the Baltic, and now exports timher :anl oilated


## Links. See fond

Linley, Thomar. English mmical compuser,
 rombtion at Bath as teacher of sumine and fambuctor of the concerts in the Arembly Rams. bint in 17.0 his sm in-liw sheridan indiceel him to complose great patt of the music for his orera The bhemme, and peranated him to go to Lombm

 Garribls hate of isme hane Theatre. bomins the next lifteen years limete wan masal divector
 giesen and the masice of the uperan firntle shap hrad ( 17 s 1 ), Cherniral of lomere (12s1), Sclimu
 on the Eint ( 1 Sss). Nr. limbers name stands

 lively. Ile died in Lamomom lan ho Nember tian. -T'in of his sons inhorited li- masical talent.


 cher, de.
Linlitheow. an amient moal hargh, the













Warning. An thererent in Linlithenw hivery way the muriler of the liesent Norat. Thu ('rase Well
 alo, motewnthy. With Falkirk. Ne., I.inlithenw



Limblagownhire or Went Lamana a sutti-h monty, wa-holl on the nowth for 15 miles w the Firth of Fowth, atd elowhere hamded he Eblimboh, Lanark, and stirlins hires. It, lometh -math-wentward is e2 miles, ito arpace bealth mile. and itw area 127 or. m. Thi only large -tream-are the Ahom on the sumbla-tim, and the from on the watem homelary ; and the prin-
 ruc (910). Dechmm law (iseb), ant (iloweromer.
 Altian Hur', whof foll in the latian Dutine: The
 :wh wal ha lupa larsely mined since the 10 th "entmry, is alas ite fometme, lirechey and shake. Escellent ambtome is quariend at limys. The -vil is senorally fortile. Axcept to the smith and sonth-wot. Where it is morith or anky : and an



 the mancim, are Hopetom, Halmeny, Dundar, and Kinnell : and the antipuities inchueprehistoriw amb loman monan- the liomanespe chureh of Datmens, the pattos of Barnbongle, Blacknes. Sihlry, Ne, and the preceptory at Torphichen of
 member to parliament. Pope (1v11 16.ant: (15tl)

 Mensituses of the Lothimess (1-8:3).

## 

 Lisce, the fommer of molem botany, wa- hom at Rashult, in the Swoli-h powince of Smataml. on O23l May 100 Hi fotluer, the rector of the parish, destined him for hiv awn profesion, the chareh. Bat whilt till a child farl showod a gasion for thowers. Ihe wa- rent to selool at
 univerities to thaly medicine: hat hi real stmely wiv luotayy. [n lian lae wan : tu the profenn of latany in I"prala. The
 it commiwion from the lpalat leabmy of arimes-an exploring trip throug swemblis biplanI, the lotanical real? if which were juh
 thi- jumer wa dranlated intu bondioh and jult.

 wahloratim and surver throuh the frowine of Waleparliat. In 173.3 he went almond th take hio








 1-3. bufor lar was dome vith the work. lat in





 of Limatome, athmoth intertionally an atritional
the, will betominant for atomg timo in the bentanical momols of lurnow (see Boraxy). (1n hie way home he was $[$ omptent to stay nearly a






 I pala, hat exchanmed this chair fim that of botany in the following yomr. With thi- pwo was combined the directorahip of the thatamal gatem. During the many sear that Limarme tanght botany hiv fand and his lecture inereast the number of fopils attendins that miversity from dive to fittern hmaren. 'The vers 1-4.-4i weme

 of filtern yaro latume : lind liy the Thelosumine
 I'fontorme. in which he lirat fully atablinherl the raston of using ateromberivial name in adiation to the generie name be wheln to identify a phat. Iust previns to his apmintment in profemon he conducted a reientific fommey thenoh the i-lands of Oland and Conthami, in 1-46 a -imilar jommey through the frowince ui What rosthand, and in 1749 another in the quince of shane, of all of Whirl the wote derriptive arcomat- in swedixl.
 the Forlels with Limenes. ly Mrs Flomen ' alily (2 mok, 1ssi), which mprisedes the Lif (Enis. trans. $17: 4$ ) hy Sturer.
The Linceis tuctety was fomed in Loadon in 15: and ohtainoll al mal chartor in 1wog. Its fommer and tirot prenilent was sir I. E. Smith, who jurchaved the book and MSS. and hotanical collections of limmens after the death in $17 \times 3$ uf the great lomanists son, and from whom they passed into the hande of the suciety in lwors.
Linnell, onns, artiot, was lom in Lombon in 17te. in 180.0 entered an a student at the hasal Acalemy, and diotinguined himelf ereatly dming hin course, not only in paintins, lat in sulptate
 and Vitley, ame himelf thesht drawing wary Wollomeraft shelley. Ile paintein many portrait of eminent men. at his frienol blake, Salthos, Whately. P'ol, and Calyle. Dli- landeapes were montly paintel from the sweot scenery of smrey. If thene need only be namod 'Ilarvert shawner,

 Life le . . T. Story (3stor).





 winde dintributed in Enrope and in north-we-t Africi. It $i$ rather under ( i inchen in lemeth,
 mathed seaxnal change ni phamen. It find
 matr of soff stome athe mose lined with wom :mblown, is cruvially common in fura : and wher bew bathes. The erise (t to (i) hate at Mish

 The linnet on lintic sime woll, is ancenable to

 the Teqe in Whantan-limet (A. flumpastris) Whito other leritinh sucios are the dialy limpole
 the smallest of limith linches. 'lhe dimen Limet is the (iroentine h Ligumans chlomes).

## 

Linscod. lan eed of thax, largely inmerten finm the (butinent and lndia, for making /insedenl and wherth. In making these the seres are liont hrmeet or crusbed, then grombl, and afterwand
 smintime without heat, and someting with the

 perfeetly pure it is cobmoles. It has a puenliar and rather disampeable ondour and tave. It
 That make without heat (wold-themon limesctoni) i- purer, and less apt to hectme rancil, than that in making whin luat is apticel. biy cold
 rent, and with heat from 292027 per went. of ail. Linsempal hated, aither alone or with hitharge. white prad, or sulphate of zine, driomuch more rapully on expente to the atr than the mbinded oil: amd boiled or dryin! wit is
 (I. © ) made in expmang linemed is rery usefind for ferdingeathe. linsed itwelf i e exedient fomd for cattoram for paltry. The sed coste alomand in mucilate, which foms a thick pelly with hot water, and is wors unefol for fatronime catte. -

 if mald by grindins the seed it self.
Lint was the nane given of linen thoth or raw
 material, shitahle for heremg womb and somking up diecharges. This is mow anderseded ly a cothon - loth aperially woven tor the phrport, with une sidn soft sum hatry. See also Fishx.






 honefonth the layal lnatitute of lainter in Water cohmme, and its evhilitime lwing thown






 tive of the thth ratury for al private hama at Nottimahno.


 who war lived. some of his linest work mas la
fomm in the pages of the Illustreted hemflom Nems. to which le frequently centributel, from its commencement till he thally wellt to the Cnited State in 1s67. As an authur. the zealme whation of his youth timped matlo of his wok. Amone his vatome work mav bu mentimed the latin of


















 in at colleeded form in lsa: She dime in Lombon Hfin July les.
 is sithated on the right hank of the hambur, which





 "wing to it- sitnation on the bimmle and to is lofing an ingntant railway contre, limz is a buy "ommercial flace: its imbortries buclate fhe manifacture of woollen goods, tohacot, linen, heather. machinerg. de. Shiphuilding is linowise carpod om. Ax a place of whme trategic importame Linz
 the franathe in 1 (eita and during the way of the Anstrian succerain in 17.41 :anl again in 17.13. Here pawe was signed hetwen the finporn lemb


 (15.5) ant lijptmair (1885).

Lion (Felisho), the lagemt and ment majomic of the liedina. It in. When mature of a meaty mifirm tawn or whowish colmar. paler on hie
 Huse common in the felida. The mate than manally a whieh is potty long, teminate in a taft of hair. The whole frame is extremely mandar, giving: with the large hosd, hight thashin: ega. anul
 "hioh, "itha its strempth, hats lad to its luing callen






 hribu ar at at camine at rat.

The lam in an inhahitant of the bundeal and - Mblophal regiens of Sfrica and Asia. It was















 the lion is mane di-pmal to tetime fomm man than fo a-nall him on contand with hin. When met in an man equntry tha lion retimen at liat sow? as if reaty for hatha, bat mot desimone of it then more swittly ; and limally lay rapill homols. If compelled
 Tle lion when -pringe mpen hin prey bas sulden
 that if he fail- in moinime it he doen not namally
 howeyer. that tha lion alko often taken his prey liy prominer it, atml with arwat fereverance. 'Tha animal singleal wh for fimmit, as a zelra, may be swiftar of fomt thom the lion, hat areator fower of emburance mahbo him tomaky it hiv viotim. Heer
 of lions. The lion. like the pent of the Felinda.
 alabtod for the niont or twilioht rathere than for the flas. It lase a hompor of them amel toreh-lighta: of whels travellem in Ifriea abal themselses, When anrromblal hat powtine loms in the wibler-
 nisulporar hefore the sulstance of covilinition. In ladiat they are mow combmal to a few wild dintricts

 wtiterl rexions.
 the tail. ate mot fully dablopnd till lat in six of




















what -mather valuts. mhathabla ats hemer alman Ambitute of matur
'Ther lion is easily tammat, all laint when taken




 Nomember latio: - dill, whibitime of thiv Kim!





 amphithoatres. Pompery exhihited tant at anm









## Lianardo da Vinmei. See Lewsitims.



 11yorer I-lams.



 m.. and sitnaterl ofl' the morth comat of rinily, north.
 fevel of the neat many of the -maller inlami- form bret of the rim of a wigatio "ratwr. "lote sumbent classical prets localised in these islamla the aloma




 Galina, Filicumi, Alicurl, and lemaria. Tha min


 "limate is delightful. Lipari, the chief town is a


 the reat are extinct.























IIß
thated ly the welu-ime of a restain letter, "ither vamel or con-onant. The earlie-t known anther ni lizngramatic vere was the diverk purq Lavan




 Comanme Fingentins. a Christian monk , if the gith rentury, ferfomed a similar teat in batim. In

 wrote tive mow- from math of which one of the




Lippre or, at it in generally ealled, hat int anrealy, Lame hetmode, a small pineipality of nothen linmamy, lyins hetween Wint phatia on the W. and Hamerer on the E. Hhe liver thathes it on the $\mathcal{N}$. :mil the Tentoburger Wound erosere it



 lhath. The surface is hilly: wants cura or pur 4ent., and are well cared for: The pincipal actaptim in asforulture. with the rearins of catule :and Wine. The probutw of the e eallinge. with tim. ine, alt, meetachamm pipes, toblacon, and starsh, are the chief remato of the induntrial activity ex. furted. Every gring onne 12.0 on of the inhalit. antraread thmelve over central Eurane, as far as sonth limsia, to buru liricko and retam lane in the autum, The little country is enserned hy an adminitrative collece, and a llonse of (twentyma liplrementaves, dected directly ly the people, where for that purpo divided into there clanes. The princes of liaple lathes tos one of the whent -w bath th the loth century. The tirs who toms the hann of connt of Liphe was bernhary in 1189 . The fanily sphit into three branche- in 16i:3-
 thewe herame extine in 1-09. For the thin, ser
 -) hy Falkmann.
 lath, at Fomthe paliter, wa- burn in 1412: Mat, lowing hiv pawent- whilat still an infant, he was antru-ted to tha Camelite frare of flomence when
 an told hy laniri there ape seremal bomantio. incilente: but most of then are mos diamelitent.




 - tathpmin. Hi* gratort wirk wat lome on the - hoir wall- of the rathechal of I'rato-illu-trationaf tha lism of . Indu the baptiat amilst stephom. H1" was has expenthis a serien of indidente from the life of the Virsin in the catherhal ape at














Fhome (ci. Massemo) incipht- illustratine the Mararter uf Thoma- Lginat in the Minerva church at liome, and suliject- foom the learemb ni At dohn and St Ililip in sta haria Nosella at Forence. His hest wath-pictures indude "The
 Amation of the Magi. The Vismon st francis. filipgino died in A rim lout at Fhomors.



 When he fomment the home of I. If Lippincott is Cobate hy 1500 waw at the head of the hookthade in lihilalelphia. He lied January $\boldsymbol{\pi}$, 1ssif, and the limm was converted into the d. F: Liphincot Cimmany, the anthorived Ameripan puhbishers of the present elition of thi work. Leipuincott's Matnaime wats establishell in lyis.
Libpsiadt. a town of Prusia, on the river
 mimmactures of spirits. heer. rigars, brables. ropes, irm, Ac. fommen in llis, it wan captured ly the spmiarls in l6et, ani ly the Prench in 15\%. 1rap. 11.int.
 theobsim. wa- lurn at liera. Felnuary 14, 1s30, studied thenhgy at Leiprig and, aftureerving there
 callend to bill a matar at liemat in lvol, at kiel in 1siot, aml at lena in 1s:I. He died l9th Mugust Nab. Linins made contributions of the ereatest impurtane th theolngical arience in the fiedels of
 of relyiom, amf New Testanent exegros and rriti-

 tmit Lehre (1s-I), Die frinllen der liam. Jetrus-
 mimil: (15i6), She uphryphen Ipwatelyesehimhten


 in emimont as a phohngist. After teaching
 evra-ordinary moferor of Clasical Philoboge at the miverity uf heiprig. and in 1 ato mbinaty proferan of the salme, allid director of the hawian philoh, ital seminary. Hi, hah-are an edition of

 -if. He als collahmated with furtins, lame, and Liblurk in the well-knon a hequiter studion.
 Leripris. 3ath lherember 1sis) hat mate valuable
 berodonym of la Mara, the mon impurtant beme




Ligucur. Thi mane is wisen the the ver


 ing weak spirit with aniwed, corimultr, athe wowt iomed sedi, and sweteniner with timelyerlaritied




 ath mavay semb, the later matally so stomg ats

 hat, ineteal of the wide kind, a fine dedieately:llasumed saricty called Mercizums atre Ineol in

 farmett in Hatially swoetened rim. Hitumbell with







 of the meter . Itimparese. They are tall trem, remakable for their hatant hadamio protmet. L. at yruciflut, the American Liquidamhar, or sweet Gum tree, is a hautiful trea with palmate leaver. a mative of Mevior and the ("nited states. It "row well in the milder part of britain. Itwhol in of a hard texture and tine gram. and make -ramel furniture Fom crack- or inci-inse in the



 ally becomp innorete and darker coloured. It
 Cummerce is monly hrought from Dexico and Xew Wrleans:-L. mincutel, a $=$ maller tree with pralmats leaver, is a nativeni the Levant and of more +astem regions, and siold ahumathe a bakamic thait, which has lumall -uphesed to be the Limuid stomere inturta? from the levant : hat on thio fumt there i- it livervity uf mpimime.

Liquidatioll, the windins-mp of any hanes.
 fanios. The lipuidation of incolvent dirms is treated amber Basherptiy; that of regiotered companios i- regulated ly the Companies Artu, whela [rowile three moles of lipmilation: (1) hy the court, (2) suluntary, and (3)=alignet to the romet $-=$ apervion. Compulany liguidation may be mbered on petition ly a creditir or contrihutory : whantary lignidation may be rembed mun ly an extmonary or a - neial reolution of the sharehollers: and a nupervixun order may on jetition and cause shown be promonced in a moluntary lipmilation.
In any case the liquidatim is comlucted ley a ligmitator, who in monrt liquidation- i- apminted his the court and called othecial liquilator, hat in whatary lipuination is chon-m los the shatholerThe limpilator's daty is to wint ut an puedily as fowible, but le may cary on the lacines tempor arily chomblat aperar necenary for a facourahlo realiation. He munt ahor prepere at list aitamtrimotories, if the capital is mot mally paid up or the

 in their own tish and thow hathe as reperntative

 the wintine-np, and who are liable, if the rxiveng





 tio- - Matin nutail. The rlath- are ranhel ami




 A.1

Liquids. Sou artimpo on haling fapillarity,







 haves of many leatleto, and temanating in an ord




 A"pemi for their valualde properties on a culatitner
 parent, unerstallizalde. mbluble in leith wather ant akolot, and forming rompumh hath with arids :mal with laver. They are a well known artielo. "i materia medica. and weremed lay the :memat- :is in modern timas. luiner emolliont. hamblent, very weinl in cataris and irritations uf the mucon- meme larame- Tha rowts of the comb mum liguori» (fi. v/lubmet aro chiptly in mes in Enmpe. Tho plant has stems 3 tu 4 feet ligh, and racemes of whitish violet. coloured flower. It is a natise of the sontli of E゙arope and uif many part. of
 l-ia. an far an Thina. It is cultivated in many countries of Eurone, chiofly in Spain, aml to - mue wient at Dlitcham in simer and at lontefract in linluhire. The roots are exten-ively momed hy portorlowers. They are not minported into britain in comsiderable quatity hat the hack inspantol extraet of them (lherk sumer on stick Liqmomet) is
 or stacks lucked in hay leaves, or in hove of abont 2 awt., into which it his- leen run. Lipunior is





 the roote penetratiner to the Negh of bore than :


 wergrawth abwe gromd mast war. The plant is

 in the same way, inhesly in laty and sincly, lim- ia,


Liquor Lalls. I: etrictive lemislatinn with




 Floning, fir example, which is partial in the monlow




## LISBON




In than of tha [nitud stater in whinh them in


 silloutis













 fionemally meakime, it may le mat that in all flas

 and in the North-went Theriturine theres in butal fanhihition of the sole of aleohsolic drink-a pumbintion Whíls, hownors, wat orighally juposed ly the


 larea white majority. Throushont hae ermater bant
 in many states of the Ameriean Inion and in monn of the Iuntrativian colomier The ona is that
 that whamer amy peran commes tor hatath lis sububle on atherwes dame intoxiation the seller of the lifure that anmat the intoximation is liablan In an athon for danases. The other is at powinion that fla mative of intermbrate bersoms maty


 ranmot lar solil. Thi liat law, with rectul 10



 bing. In smar rases tha law is suserem that hoth
 to puni-lament if the humkami is fommel in the

 mateistratem, ministorn ut relisiom maty pom the fan in furme: and thome is a enemeral trmboney to
 allowerl in the l'nitml limedom for the ronsmm!.








以













 lation, wot wry well enfoncerl in! protior, agatmat the sale of drimk to the almoryinso. hat interfare




In the emmo coblonion there is an motrombinay





 "Nample. the hathanas.

Thromehomt (analat and Anstialim, ato in the faitent states, there is : haser party in lithome of lontal prehilition : and tho wample of the state of












 the lignor question in India amd Coslon, and it has


 that tha Imdian gmemment has trim fostimalate the *alo of drimb ammun matives with al view to the improvernent of the rewemes while a similat attark hat hern made apent the colomial gervermment



 lated to devease than to atimalate the sto of drink. On the other haml. there eath he little





 hationity of the llomse of ('momoms. Siome oblinial whtres, and other firently to the wosemment of



 tion. It is, howner, whinus that. in face of the




 L. Мฟ: (

Dirial, a town of tamin, stime on a fertike plain


## 









surpacod hy only two wher cinde in EnromComstantaphe ani Naples. The mhest part of Listhon is that which extand the cathopahe of 1-5.5: it lies on the cast, romul the diatel ame
 It is atill known he ite Momihname of Wiana. The wetern pertion- were haht after the eath-

 with what nere fomery latwo monterion: now dicabluel. The cathedral if the patriareh, bait
 and choir: it- intum i- fomms. The latre

 hat a dmae of white mable. and is a remueal cone of st leters at lime In san lionno
 eostly mathes ; wia tirt oremed in homs, and
 it was eet ul in Liswor. lint the dine structure in the city i- the monastry and churel of belem. a mommont the theat samen of forthrat: it wats herun in hint on the fort from whieh Gam dab lamat embarked (169) on his momentoms vorage. It i- romotmend for the mose bart in the
 ance-nf decmate matmont, and hat manitient elonters. In-ing the chumely are new tombe (lsan) to Chmens and Vafo dio tama, and the grave of

 Tin:- Lu-pital. Neither of the reval palares, that of the Aemonatien. or that of Ambat belm,
 faring the lay in chrmumed with fowerment whes, the hanfone chatom homes, and the marine arsenal. The arts ant reiences are not in a Homriding combition, motwithtanding the exist-
 library of bonmo rolo, :m aralemy of arto, a polytember chum rolietly fore the teclanieal Grames of the ams a medical school, a com-


 areval, a mint, a large lizaretti, a militury and
 completer in 138, hing watw to the city from fring it miken the borth-wrot. It withetoed the shek of the trean rathomatio. althomen it
 :ust on thistr-live arthers the honsw 110 fere.







 "ppatelus to ther city. The lishlnat in one of the
















 by the -hate of treat briain, hat by hat of Franco and that of (icmans. 'Flor ment important imbur trim of the city are in what amber ware and in
 the maniatome of silh, homp. "hemical, hat
 irom tomaning.
 which the plate wa- hnown when it wat the capiat




 down th ilta, when Aphomo I. of Portaral wian
 amathes In $1: 8: 3$ the aty was captured and in
 lain suge th it elowe sear lator, hat withom -ancers. It wat mand the eathal of the hinghon
 Mhilip II. of Stain: and it wav from thi- ?urt that the 'invineible Smada net ait. When the thae of Bravaza mon his comurymen to shake ofl the Spanin roke ( 1640 , he recatmed lishom, ant mee more it was male the capital. Int the city was doomed to misfortune : it had heen three times taken from the Mow by the Chriatian prome to 1147, it had sufliered from a severe carthymake in 1344. and had haw vivited ly the plague in 13ts: lut the greaten dixanter wertow it on lat Nowrombur lis. whers, in les than ten mimater, the ereater put of the city wa- made a heap of mine, from 30,001 ta 40,000 proms were lilled. and damage dome to the exturt of marly on millims sterling-ome of the greaten earthplake combul.
 difectinn ar far as Seotlaml, in another at Mitylene in Aria Minor, amb in third at Fez in Monoco. The Fremely were in bmandon of the city for ten monthe during lsits \& The tale of Lislom: mis forthen was completed ly a series of miliary revalt dming the recond grarter of the lati, chntury, eqpecially in $10: 1$, amb ly a bat athack of pellow fever in 1509 si Antong af lahn, (ambens, and lope John XXI, were mative of lishon. Nee Macelo, Gictete to $\dot{L}$ isbon ( $15-\overline{3}$ ).
Lishmril. a market town, fartly in Antrim, party in bown, on the hagan, $90^{3}$ mile he mail N .
 pirtane of the place is due to du. Convay famila, who himat a castle here in the time of chanta 1 . and introduced the exising indintries. It in a chan and wallorderel town, aml manfacture
 nine and bleaching. lis prish churh is the
















 (anizt.


IV.NW, of plymontli. It his manutiature of hather and irno, and a lively trade with the nei.h.
 in styb, and restored in las: i- one of the lareat in 'omwall, and hats at thwer of the lath eenturs.
 I Aimmary or comare town. li-keand was mate a frese borough in lano ley lidhard, king of thas Ammans, who huilt it eietle hore. Till 1430 it retarned two members (Che and Githon the mont illu-trinas), and then till last no member. l'op.




 spomber hisi fir having thitered one Nothrop,
 hefore, at thanles $1 . \therefore$ wecution, she hail wail that her hhonl leabed within her to see the tyrant fall.

## Lisle. Se Iontiet be Lande

Linmore. in town on the matiowater, in Ireland, In the two comotiss uf (ork and Waterford, and 4:; miles sll, of Watmord city. The eathedral, the parich chach sine the re was united to Ga-hirl, wa relonilt in 168:3, on the site of a monastery iommed before stu. and a celebrated achome of leamins from $630^{-}$till its destmetion be the
 John Latklant in 114 , was the rexidene of the hishop till the lith wentury. In hise it wan siven to Sir W. Raleigh, who mild it to the "sreat barl of rork, and in it his son, Pahert Doyle (9.v.), was hom. It was twice besieged durime the Great Rehellion, and on the secoml oceasimn (1645) it vieholl to the parlimmentary foreses. In 1753 it piand to the Duke of Ihewonhire Lismore renmal two members from bhate $I, \therefore$ reign to the V'nion. Pי!!. VG6.

 the mambinh, ands mile N. of ohan. It rises to 417 feet, and is $10 \frac{1}{2}$ mila long. $1 \frac{1}{2}$ mile homal, and fiol 4 acres in area. berinles a lighthme ( 1833 ), it comtath- eperal interesting remains-the choir of the cathedral ( 1236 ) of the pre-liefrmation dineme of Lismore or Argyl (ance 1 at! nem at the parish (chmeds): AChminin (intle, the readmee of the



Lisua (lol. Lesenol, at then of Pru-lia, 40 miles $\therefore$ S. W. "f lowen, was daring the lith and lath



 whon the lawaronki family athord an asymon serly in the lith "enturs. It was hurned be the





 mapital. Lisai. The islaml was hell be corat




## Lissations Fieurex. Ree Sulan.







and mealicine (1Nos) and hecame a Fellow of the lingal college of Surpeons, Englaml. in 1sig, and of the lioval tollege of sumeons, blimhogh, in 155. He was sucemandy asitant surstun and lecturer on surgery, Edinhurgh: pains pofenor
 Ebinhugh: propeor of (linial surgery, king's Cobleme llabital, Lomdon (1sia): and wia mide -argen extra-minany to the t!aren. In addition to important oherration- on the chaghation of the home, the early atuge of inllamation, and other matters, his grat work his heen the introduction
 of nurery: Thin syatem ant the thens mon which it is hasel are now almost universilly arepterl: and their aroptance has in wreat manare rewhtionised momern surpry, remosing
 wiluniner it- tied of umphlness. Lister has been awardel many foreign homous, and received the medal of the faral somety in 1 sso, the prize of the Acarlemy of larin in 1ssi. He is L.L.I. of
 of Uxiond: and has written varions papers and lectures. He was mate a hatomet in 1ssa.
Liston, luns (17:6-1846). low comedian, hayeal from lsons to $18: 3$ at the Haymarket. Wrury Lame, and the Hympic. 'Fand Pry (Nat washis mot pיpmlar creation. See II. 1: Baker, (our Ohd Actors (new ed. lsid).
Liston. Romist, a celehated smaem, was burn at Eeclemanhan manse, near Linlithgow, in 1:94. He studiod at Edinhurgh and Combon, and settled in bidinhogh in lsis as ledure on -urgery aml anatomy. Hi enrical skill. and the ripidity with which his iperatims were perfomen, soon actured for hin a Enropean reputation; and in $1 \times 3.5$ he accepted the invitation of the commeil of thiversty College, Lombon, to fill the chair of Clinical surgery Ite som aryment a lage Lomben praction in isto he was alected a member of the comal of the colleng of Surgens: aml in 1846 he hecanm one of the Band of Examiners. In the very elimax of his fame, he died $\bar{t}$ th December $1 \times 4 \overline{7}$. Hi most important works are Etrmonts of sumery (1831) and Proted Singer!! ( 1 ai ). His meontrollable temper and trong languge involud him in vakom quarels with hi pminemal bethen, ret he always suecempol in whaming the regarl and enterin of his

Liszt. Frixz, jiani-1 and compmer, was bom at Lainhing, in a dorman- peaking , distriet of

 himedi mancal gifts, and guided the precocions talemts of his som with great juloment. It the ata of nime limat played in fublie at odenhurg, :ond afterwards at lirehurs. when several llamsamim noblemen ofle red the means for his macation, and he was taken to Vicma, where lue stmodied

 in ratures with ha phaving: . hail 13. 1s:3, was Lur date of at mememble concort, after which bednown asember the fation and limed the luy a reminisernere to whith lor alway allmad with vencration. 11 . prownded to faris, ant,
 liy the inthexible thernhini, lue enntimed his


 umaistakible -horom. Ho vitiol Enghat thrice
 tion. In 1ser hiv iathor diad. and he ontered on a -ruat mential stmorste. Ile wa- repelled by the
then low wate of monal art and arims. and his strone religiont feeling- drew him thwath the churel. He was afor farinated hesem simondanim. and at intervals the atractime of the world intuenced him atrongly. In la3l he heam Haganimi, and was lired hy the remble whech ho carried to trimmant i-me. th lecome the Pasa-
 mont of the ereat litimetomes then in lario mere equelilly with Lammatio Lumavtine, Vieter lluse and (bompe samb who exerfed a marked intluence unon him. as aldaho Chom. From 153 to lati date hav relationslap with the.
 Diniel starn. who lome hin there childien, one of whon, Coxima, lutathe wife of Vom lailow. and ubserpenty of Ridharl Wiagner. The
 elsewher, ha- heen whanically degited hy HeinIn 1s 49 . at the heipht of pombarity. be retired to Wemar to direct the arera and concerts, ant to derote his time largely to comp"ritiom and teathins. Here he bronelit on remarkable work-denied a hearing elsewhere-s.f. Wamer's Lohentrin and lierlioz: Incmomto cillimi: ant the little town hecame the centre of mu-ial life in Cermany. Ilere. the. commencel the elone relationship with. and incalculable servee rendem to. Wasner. In labl heres.ghthe homintment. ant his lie was sulsempently diviled mainls hetween Wpimar, lime, and Budapot, in which latter city he was in sion apponted preadent of the Andemy of Muse. In $1 \times 6.5$ he recetred minor orders in the Church of Rome and was afterward known a- the The recorl of hi- visit to Lumblon in lsse is that of a trimmpal progess. His intluence was itresintible. Pasing thromigh Paris, he travelled to Bairenth, where, after attenting someral of the festival gerformancos, he win attached hy hogrless illnese, and hreathed hiv lat on diny 31, 18 st .

All thime con-idemen, he may he purarted as at the time the furnmot figure in the manial worlel. As a pianint he win simply umaproachahle: he exercied a inarm hordering on tha fabulous. His-uprome command of technique was furgoten lox hearmo in ahmiration of the phetio qualities of hiv playins. That he was equally migue as a teacher is anyly evilent from the enthmiatic veneration of hiv pulil- anome whom are many of the greater living manter of the pianoforte. Hin literary work on mu-ie. thonsla rather rhapodical, are of real value: they includ. mongrathe on 'luntin and Franz and it whune on the manic of the bybiay. llis intheme in Iringing to a laring romitut the great tent work of other musician- was invahable. . 1 a compmen there is onne lithentty a- yot in popery ent mating
 Irat the later ones, are univarally com-iderol the finet ever made: hiv llungarim rhapmine may
 prition. lli- pianoforte work are of emomonn mamber, and mot yet complety known. .tll hiv uricinal work- have a wry di-tinet, smethes a very otrange indivionality. He lata the merit of



 atester, ly whill maty in divel h, the whole piome. Whe or two masom, the 'Legent in at Elialnoth,



 "and al fowerinl farrination all whe man" in
 is to do homent the tithe Fhe whle preee i-
 Whith mont have amonted to an chmomon- shm. were devoted to the lenetit of others.


 1. (inderich (l.eip, lwe): the fi, colloctoons (tnes) of

 vols. 1sm.
 of prover in whith the same thing i- monated
 the word in alwari uned in the phural, litum.




 amons tho Eatorn Chiotians at ditherent mantduring the celebration of the encharint (are Litr mat) and cther services. in wheh the deteon recitea momber of sort sujplication- and the people reply after each 'hutio licism. This practice formerly exi-tel in the We- at the commencempat of the liturg: it istill preerwen in the Ambrnian rite lurins Lent : and the ninefoll hyre of the loman rite is merely a surviving remant of the same thing the re-puses having leen preverel. althongh the parems have been dropled. Owins to the litany beine a form of pmblie brave the word lituof has now ohtamed amons the tireek the secombary and technical meaning of a pucession, and the word remarly apilied lie then to the fomm of mited phayer conducted hy the dencon in ditate.

In the fatin churche the word litany in now
 cation of medictal orisin. in which, ater the simple Kiyrif and the invocation of Clrint and ni the Hols Trimity follows a very lons string of santr name. cach fimbwell ly the repume • Pray for u-: then a serie of elanes naning different evilo. and a eries of aljurations lased on events in the life ui Christ, buth cullowed in every instance ly the response 'Dediver bs. 0 Lord : and next a series of supplications, hesimins- "That it mat platare Thee, to all of which the reponse is 'We levery Thee, har ns. After this comes the triple invoeation of Christ as the Lamb of com, the simph Kypic asain. the houts: Payer, Brahn lax.. is series uf piens of an interemany daractur. and at bery lare number of payer or collecto. It may he "userved that in thi" mediaval ealition- the
 with the othere. Aceording the therem limman rule the we of the hitany is only alowhtols: commandend nown the Mombay, 'Tumblys and Werheday hefore imentinn bay, when a pur
 maits of the earth, and whith are thene valleod


 unhealthy part of the yatr. The litany i-, how









The form of the litans aral ho hatione in
 *)

upan all Sumbys, Wednemlays, and Fridats, when it is 1 -a enther as a -pecial service on apmonded th moming paver. it is aloo hede all orlinatiom It ders not powses the same diaticity as the Limand fir adiptation todiderent mandmas.
It may be worth athling that in the Latin
 uf whell is permitted in palde worlipe that whid
 lunin like the litany moter. The tiret is ratlent that of the Holy Name (or somethes 'of Jesus.). In this the insocation of the Trinity in immediately

 Shephemd.' 'J"uns, kines all the kitints'), with the combant reximase 'Hase merey man us.' The other litany is callow hat of the Blessed Virwin (or ammerimes of loreta'). In it the invocation of the 'libaty is -urepended loy at series of titles allaremed to the blewed Virsin.

There are also a va-t variety of other so-ealled litanim, motly of Freheh origin, and generally dowisud to invole some fartionlar saint under a strins of complimentiary epithets, on the model of the litany of the Blased Virgin. Thir public use is prohibited, and there is no more ghame of their loctrinal ommolnese than maty attich to the appowal of any hishop, siven to the lionk of pravers for per. sonal use in whol they may happent to be fommit.
Litcloi, or Lee-cines ( Wephetirm Li-tchi), one of the most delicions fruits of China, Cochin-Chima, and the Matay Archipelion. The tree which produres it helonge to the naturat onder simindacees, ant hat pinmate leaves. The froit is of the size of a small wahnot, and grows in racemes. It is a real or sreen hery, with it thin, tongh, leathery, soaly rimi, and a colomess, semi-transparent pulp, in the centre of whiel is ome large diak- hrown seed. The pulp is sishtly sweet, shlacid, and very grateful. The chanese presorse the fruit liv drving, and in tha dried state it is imported into britain.

Literary Fund. lownle, was foumied in 1790 by lhavid Williams, in ex-lissenting minister, the
 enjurated in lals. its ohject berine to relieva literary men of all nations. In lsseg grants to the amonnt of tog were mate to forty athors. From 1790 till tiss) a smm of t'l09.000 has breen thas distributed. The expenditure is met liy the suberiptions at the amiversary dimer, and invent. ments : the incone wat tas.n in lise.

Litharge, Nee lemp.
Litheow, Wibidis, sootheh trateller, was bem at lamark in lise. He inad ahearly risited the slablames, bohemia, switaelland, di., when, in 1610. heret but trom Pais, les way of laty and Crece 10 Pralestine and Erept, jurforming mint of Lhis and his subergent jommess on fout. Itia -uonal trampled him thomgh Nurth Atrica from I'uni- ta Fee and hack, and home ly way of llan sary and Pobland. In his thind and last jommery







 by amolur aremut wa :arablat hy, him in the hine- amterwin, fin which he was dapt inte for






 fed. hy James Mahment, dabi), and uther work.

Lithic Acid. See Unile Lemb-Lithir Acirl Hothosis is the tern emploped in medicine to devisulate the cmation in whid thop is in exerss of lithic (or mic) ade wither fre or in combina-

 in the metallie ham of the allalli /ithou, and derives its name from the directs worl lithens 'a stome.' It was discovered hy Mivetom in 1817 in some Swedish minerals: lum simere the introngetion of
 wiltly perent in many mineral watere in the ash of
 ance, and is moch hater than colimo on pitasinm, hat wofter than lead. It ahbite of heing welded at ondinary temperatures, and of boine flrawn ont into wire, which, however, is inforim in tenacity to
 lishter of all known soliols, its pecific gravity leing little more than half that of water; it decompuses water at orimary temperatures. It hams with a hilliant light in oxygen, chomine, and the vapours of iodine and lnomines. It is essily reduced from it choride ly mans of a salvanic hatters. When bithimn is burned in air it forms an oxide, lithia, Li, o, alomg with a trace of a higher axile. This oxide, when treated with water, vields a hydrate, LOH, havime alkaline properties and renmbing sula and potash. Lithia foms a series uf salts (carmonate, chlonide, citrate, de.) analugnoms to the lutash and suda saltx, and all of these, when placed in the llame of a Bunsen humer and oxamined with the pertruncula, how characteristie red hambs hy which their preence can always he areertained.
ha medicine the salts of lithia hold a high phace ass solvente of mice acid. The carmate anal citmate are used fir this propose, and are said to he moeh more eflicient in cases of sout ant gravel than the potish silts.
Lithography ( (ir. lithes, 'a stone,' and yrophein, 'to wite'), the art of printing from stme, and one of the most important of the reproductive arto was invented in 1790 by Bhos. Senefelder (1:51-1834). In that yesa a piece of monsicsemefller's tirst work-was juinted from the stome, and in lsao he patented his invention in Bavaria, most of the Gemuan slates, and Austria, Afterwards he glemed extallishnents in Lomdon and Paris, hat did nat succeed wery well. The great ecreey and jealonos with which the new ant was guarded by its pateintere prevented progress being mate, and it was mot till many vears afterwards that their compliatiod manipulation lecame sufficiently simplitied for the rapiol advance which then hecame jomsible. semetider, on whom the liner of lavaria wettlod is porson, lived to see his


The minciples on which lithoraply is fommed arr- (1) the strong adherion of greati sulntimenes 10 calcarequs stme ; (o) the athinty of one wreas haly fur another, and their :mipiathy to water: A the facility with whiethealnareons rome imbihes water. It follows 1mat, if a mogay line be drawn

 uf the stomes an far in the :reane has penetrated. If water her pat on the sultace of the stone it Homain on there biate mot conemed with grease: a
 oner the stume, the ink adhering to the ereaseal purtions, while hate part wet with water will repel the ink ame remain rlam. A pinco of papap pht onn
 imptonjon in ink of the griny lint. The conering
of the -tome with a solution of sumarabine (to lus
 aid to the water in resinting the ink.

There are varione mothent emplogel in litho. Lrathy drawing on stome with pen in lom-h with lipuld ink: drawing on parer, and tran-ming th Sther : engravine on that : dran ine on stane with
 fhates or wombent, de. Theoe diftiry unly in the manmer of aflying the ereavel drawinge to the -mriace of the stone. The printine from them is in nearly all canes identional.

Thi" stomes.-The immensp quarries of iondonhen in Bararia fornibl the lent stomes: nethers of infrim puadity are whamen in France and Itals. The stones are enmpmo. cens parth, and are of sarion hase from at pale vellowi-h-white to a light hati, rembinh. peaty
 form gray colnar are the lee-t. They are fomm in hes. commpheing with lares of the thackne-s uf baper: the thichater requiged for printing-stomes feine fom abont 2 to 4 or is incle. When in the quarry they are soft and easly cut to ans remirem size. Thpy itre afterwands irmand face to ince with sam and watrran when quite level ["li-hen with pmaie-otne and tinally with smonth poli-hing stone. sherets of zine fared with thin chating- of artificial tome have been introhhmen, hut not as yet with much succer.

The writing and drawing inks and erayons are complod af lam, hand sap, white wax, sholl lace. Venotian turpentine, carbinate of sota. and laris hank. The froportions nsed and the methons of mandacture vary eonsiderably. All decription- cin lo purchased reaty pepared. The sreas ingredients are the important parts: the lack is imly admed to enable the artist to see the effect he is promeners as he toes on.

IFrting or dremet on stome is perimmed with a fine pen or lmoh, or a ruline pen for straight lines. The ink is rubbeal down with a litule water and moler gentle leat, in the same matiner as China ink, and the sulject may loe traced as for a drawins un paper. Great caite a necenary in handling the stome. as its atfinity for erease in su kem that a finger-mark would develop into a hack blot in printing. When the lrawine is limished it is eoveref over with a sohntion of gumarabir in water. Thi gumming fills up the ports of the stome on the umirawn parts, amd prevents the greasy line of the lrawing trom er rading. The Sthe is then remosed to the pintinefrex and preared for printing. The sum i- tire wand of with clean water, enough remaching in the pore of the -tone. however, to asoint the water the revist the ink in the subengant printine. Ifle stone is then hamped with a canvas clotly, amb a rollep (mate of woul or iron, coveres with bue or two thioknt-ses of thand and an moter cenerine of time leathen chared with pinting ink i- bised oner the- tune till every part of the ifawine i- thomathy
 non luequi rivible and mot h. remosed with abil. - eraping with a knite. on pali-hing with
 fanory the sture in wablol wor with a weal
 an it is catlon, i- at wy impurtant opration. it





 - harpent the lime of the drawime. Whan tho


 the stome fiom the drawine hik, the sutiate iwashed with thrpentime. Fin all that can he mow





 the pres, and when raken ofl hat womed an inprenton of the drawine. The dompiner and inhing is repeated for evry imprewne and when the stone is pat away ur left for at the it io, bin prematime everel with the imlicurnable sum, Which is agan wablet of when priming is reamed. The ink for hlack printina is e"mpuned of l'aris hank. gromm me with rarnish mate fom twiled linveratril.

 the mont important items in wemaral lithoretyhis work. The tranfer palar i- inpared the sine With il cuather of inulatw, Hake white and gambose and afterwaris smothed hy posines several time- throush a prese wer a harated stme. The writing or drawing is made in thi- preparion with a juen or fime hah with the litheraphe tramer ink, amb when timi-hed is than-fored to the stine in the following manner. The pary is put for a few minutw between lamped lhatingraper. A arorme? polished stone is put in the preas, the
 pased several times thromg the preso, after which the gaper is damped with water and gently rubled with the fingers till it emmes tasily of leaving the drawing adhering to the stome. The stone igummed orer and frocentel with as alreaty idncrilued. After the firt inking-up, and luefre etchings. any defect- in the transter can he touched $u_{j}$ with a pen or huns. In France and sume other comatries this class of work, however, is generalls either directly drawn or ensraved on the some.

Fresh impresion of lithoraths, of engravines on wond, steel, or eopher, and of letwrpes may he transierred tu and frinted from the stone hy the ahne proces. the paper used heins prepared with a precial compoition, and the ink a mixture of the writing and printing ink. Man sulifect-s such as musictitles, de., are engraved cherply on zine. -apresly to be transervel to stone. When thi. design is small and required in lare numbers. it may low transimed many times on whe stone. anil many printed on one sheet of priper at erery improm.
 of putting it drawing on stome, and $i$ as follows. 1 buli-hed stone inconered witha chating of emm
 washed onf. leasine only a very thin film of the Enm. Whidt can he thaily ent throngh. On thi


 throwh the Arawime i- fini-hed any ureas matter is mborl into the linmand allowed themain an lan an (watill


 eneraved tompare wherally inked with a danlor

 (har line.





he made th it with etching-fmints. Wheotmi-hed, hithograthia ink is rubbed into the lines and the whlitime piaced on the stone and the drawing tram-ered he pasing throngh the fres. Ther weak print of thi- process is that the gratime i- apt to watp on the stone and smil the trantion: in which cone the hrawing in lont.

 are, ilrawn on !rained atome The gram, enatse on fine it repuired, is imported to the sume ly ermer ing with sand ot varying legrees of themex. The drawing is mate on the stone with lithegraphar crayos in the same manner as the ordinary hraw.
 it is pumented with in before Very heantifal work ean la promed in this way: hat as, wwher to vainm ranom which are tow technieal for mur Whare the wained stone camon he printed at the
 forme for nomern requremens, shell work i- now
 prowss $A$ sheet of copper of other metial is gramed on the sufface hy aphatint, stipule, on rulinghachim: biper, cuated with a white transforring gromb, is paseel throug a prese on the fate of the prepared plate, bacomes impresomb with the gain, amb may le drawn on with litho--rapher chatks in the seme way as a Stont. This ilrawing is transeried to a ghet on poli-lod stome in the same manner as writing on pen drawing, and printed in any lithomphie pres. Fery gooll wati is producel ha this proces., lat the remilt of the momewhartificial grain of the eopresplate is inferior th the heantiful grain of the grombl tome. In the Conted States drawing ate bade on pramed stomes and impressions transfirred to diat stomes for printing: lomt this proves has mot fomm much favir in (ireat britain.

Photu-htheyraphy is a vers noefal methond of reproducing in iny size, for stone printing, exi-t iner drawinge, sheh ats arehitects' plans, mitp, Ar. A phota-mative of the required size is taken from the drawing to lue repodnced, and is expmed to light wer a thin tilm of hiehromatineel gelatime on faper. The palur, after leemg seaked in water, which takes out the hieliromate maltered ly the linft, is streteland on a sheet of glase and arefully. inkel with in whet rollar. The ink muly adhers to the pate rembered insoluble lig the light, and whicla have remaned dry hurine the swaking, and beaves the soluhle part, which are wet, quite clean. This is transerrel to atome in the ordinary manners.

Thromm, lathompophy i- the most heantifnl of all the methonk of printing from stone. The oblient haine to pumber, is neirly as posible, fat-similes of pietures in colour, it is necessary to amploy a manher of stomes, in some crates as himy ats fwerty
 the intinte variety of rolome in a linished colonr-
 follows. A enefol ontine of the entire design is
 callod the hof, ats mimy copies are printed in there ato colomr stomes required. These imperions ate

 drawing in the sarions colomos: aflor which tha
 of these stoms the equmal infer of the pioture is




 in :maturime flo valum wolemes with their varsing


likely to be proluced ly printing me tint over anditer, have to the comindered, and give seope for a reat deal of promsonal skill. There are many different methonls of drawing the tints on the stome which are too technical for omr limits. The finest work is done by stiple, imann his hand with a tine brush, a method in which Fremeln ami firman artists on stome are vem okiltul. The colour stones are printed in the maner abrealy descrikel, except that colomed inks are need insteal of hark. The diferent roloms, varsing in mantur from fom or five to twonty or thirt, heng printed ly separate impressions an the sime pajer, it is obvions that great care is necessary to ree that More impression is exactly fitted to the others, or exatety registered, is it is called. Sewobl medtanical apliances are usen to sechere thi exactues. When the necessary number of impresinms have heen pinter and the stome hat to the cleaned for amother suliject, the surfae most le haturionsly bolishod down till every vestige of greane is m. imored.
 rmphom in lithography, hat each netiondio capahise of infinite number of variations in the band of dithent onmators.

Lithuyrophir persses vary as mumin constraction ats thase fan the letterpens. The hambres is bers simple. The stone is placed on a mowalde nable, an! at tompum, an iron frame eovered with beather, folds down over the biture when phacei th the stome. It is then rolled under the sirmer, ynnerally a piece of boxwood fixed in ath iprifht, which applies the pressure. The damping amd ink ing ite done be ham.

The tirst selfacting lithegraphe mathe introdnced into Britain hy Sichel of Dertin and Viema, failed from the fact that it was constructed, like the hanl-press, with a seraper armgenent for the impresiom. This prodnced too much frietion, rentering speed dangerous, and work diflienlt to leero on the stome: and it was not till ahout 1 sto that the machine as at present in we, with it mimber for the pressure, wals intrombed from Framee it in somewhat an auliptation of the
 and it very frief desciption will anliere The stom is phened on a movable bed, which ean he manel or dowered according to the thichmen of the stome. The sheet is fed in at the top of the eybinder, whence a gripuer arampenent babls it wer the stome. At one emb are the dimping. rollers, which ate ebrered with some soft ahomb ent fabrif: and at the other the inking-rolers, rowerd with the linest French leather, with ink ing-tible, duct, and tistributors. The stone pases tirst maler the dampers, then to the inking- rollers, thene lack to the eylinder to print the impresima, annd so on ced inftrition.

Zincogrofthy, the myention of Eherharel of Bavariat is ath aplication of lithogathy to zine phate insteal of stane, with embe noressary mondifation of the etching and printing. Itsonly atc:antare is in connection with yery lirge subjects, as the gine is more portahle and bers liathe to meakiage than some.



 Tuchne soris.

Ditholosy (lithos. at ande') i- at mane somethere uad fir that divi-ion of doolngy which com
 fomm their relations in thay ornition the fath


Lithominge. an eathy or chatike minmal


 -nhatanes. derived from the hermponation of

 white, yellow, or red, when ehinime bry hat
 alon in the tin-mine of hedruth in commall.

 for their mwa revileme in rowh. See bomati. A IIMATS
Lithotomy Mir. lithes, a - lome: tome'. 'the

 As mont of the - bimptoms of some in the hithor (Whieh are nution in the artinle (an'thar) mas he simulated lay ather diame of the hather and aljacent path, it is mon-ary to have ahlitional evilene respadine the tran matere of the etace before rewotime (1) on semus an operation as lithothms. Thi evidene i- admand hes sumbing
 con-i-k in introlacin: into the hladder, thoush the nathal minaty pasare (the urethrat, a metallic intmment, hyman of whels the stone can he flanly fell :aill havel

Lithotomy ham hem ! wioment in varions ways at differnt tima, loth in the perinemm and above the fmbers. The earlient fom of lithetomy is known a- antemy on the trit" or Colsess methent. It reerised the fommor mane from the stobe after lome fincol he the freare of the finger in the ann- lwine dirently cht unon and extracted. The S/urim mothenf, fombul on the wronems intea that mombram- lart- Womlat mot heal aftor incision. while their dilathan wa- comparatisely hamen. was the onfation matinly in corne for nearly 200 suts, till frow dacime introduced what iewantially tha mothoul maw in use. Chmedren (1:20) and li-tum in tho tiot half wi the lothem.

 un"
 direetion in whiol the inci-m in madn into the
 in mand to avoil wombine the redum, is that







 the part or injurs to the motnan, wat immentatery

 Me. Wher ration or the perimal mpration are tornend mendian, lilateral. de.



 foremo th berineal lithotsmy in the matority of






 required in the iemale - .o.

 latural lithotomy in Enelam, wollocten hy Sir


 sebent: The untre general admetion of lithontity han eratly dimini-hed the mamber of rase in which ithotumy has to heremod to.

 -heh minall fragnemt that they maty radily for - Xeelled hy the ure hara. Wthongh the imputane.




 the di-intwration of the sone is ethered j - intm dued in the same manmer as a ratheter ur chmoi inth the hedher, and, after eathing the stone.
 stone is erapond by the bates of such an in-t rament an that Nown in the fignte. whe be hitates are then formbly apmosi-
 "lhe varion- framents are grathalls moken down in the same way till the: ate mall chomghto he diechared through a catheter intrmued for the pmowe.
since the oneration was liret introiluced, the in-mments romploged hasth bur cruang the atome and for rachatine it- frasuents have prabally been improved: and experience hat Shown that this methem is capable of - buereding: lithomery in the idnht in the ra-t majority of cave where an "pration for -the in nextmitr.
It weit in the mondered ahisable in the cave of all bat wery mall stome- 10 "ru-h and remove ouly a puntion of the
 Sew lonk halong the redit of reembmembing (in 5 S- the mothon nom


 What the promble is complemen at one sttume.
 of Oti of New York. whon fumel it J"rible to
 mare etfective than had hengreviously consibered ral
 maki lithotrity matisiable aro astmerne with


 adequate intrument- imponihe (sir I1. 'Thom wno. In chidmen the ri-k atmmine lithotomy




















Furopernstock：form are ommothes anded the Viatrage or Vadrange，who dwelt on the mper tributaries of the bige and Xienen，thas mahers
 momber．are at hanch of the lidhamian proper The lithnamian tomsur is－whem by ahme it



 the lattie fanily of the Aryan hathent langaters．










 anion literary whimy was formed in Tihit in ha？

An a raw tho lithuanian are fair and well



 minisume and ratams．Thay have been kept
 folish lathowners．hat sime limis the lamoman


 Thes comatry they inhathit in momed with wat frimeval furset－imil with momerons matrow and baks．Thes rimmonances hame impered trat．
 the same time of womenn．．．unn buth the matimal
 thimes worlije wan performed in the foresta amb

 and have alwas relien for potection una the hence fomesta and the extenixe mawhes．Nothing anthentic i knowe in to the hintery of thi－peoplo prim to the latherentury：The lirst prime to gather the seatered tribal whis armon him was Ringohl



 waged abmot incessant war nganst the livonian
 Olow（ $1: 36$－ 6 ），after revivine（alonge with hi－ hrohor Kertat，the legemtary natimal ham of tho lithmanians）tho frimofuility of Lithnenist，
 son dagiven（ $1: 36$ 1434）marien the hairon of
 tion loetwont these wo states the lam link wat whled in hide ly their comphte pelitimal units．










Litmos is a will kmonn mantine matho．






 domee of andidits，and the man is then drien in rolles，aml is reaty for the market．The exat nature of the ehanges which rasme is mot altorethor khewn：it is，howewer，eertain that the pigmont
 at the addition of alkalies of of lints．＇llia hate






Litum the mit of the fromeh mosturew uif















 which it shazers．l＇oge of parinh，lo．H1ti．

Little Ialls，a prostsillans of Now York，on
 the lime of the lirlu fanal atul of two railsays．
 grys．with fall－of 44 feet，finine water－power to Several milk ：mal fatories．Fobs．S！In
 on the moset of susees，is mites $W$ ．af lirighton aml tis． $\mathbf{s}$ W．of Lombong It is the port for Amated． Poll 3ati．



Litta Korek．the capital of Mramsas，is sitmated an the somth hamk of the Alkansas liver．
 s゙心W．万f it Lomiv．It contains the state dapital，

 dral，comt honses，in miversity，：medieal achood，

 lish jurint，wan bun in fater at latabley Ilonse，

 01 Frambles．Jle was reveraler uif firmonty in








 that var of its anthen＇s deatlo，if not lexinde．







 in whioh flu－shlifect is hambled．
Littoral DEposits，ammalatins fommed is

gemerally marells amb aremarem in tharacter.
 erraimel matrorials.
 Forend philohanint amb philnopher, win bome in















 the rity uf laria. loumaime 10 at lite of stuly.



 frise (inti, attraten) ermat attention. It was an









 This -plemint womb- the real thesomotes of the
 dembemy in lais from repertines its anthom, whom

 simes of Paris littares frients emmi"lle=l him to fuit the eapital. In dammary lsit Gumbetta
 at the Eoole [roblormaigue Noxt month he wan chasen reprementative aif the coine depatment in tho Satiomal d-amoly. Where he sat with the







"ther works of Littrés wrat fond translations of






















 momity ; bat les the meme romert writers it is lawal




 l'mostints.


 ame meratel, hesibe the tabime limh of the hatal atol the rop. 'Thene ate that lle (1) abor


 Whe layince of the talale and the plation mpon it of


 wa- rewatod as itentioal with wh part of the thanlo
 the whole of the pravipal fummata while we inatn






 amd it i hamal theratw


Whether ans -urh thing as a litury hate yet bewt emmmitiol to wring in the time of the apmotles is mbmumu. It imbrate it is evident from 1 C'or. xiv, 16 that the no of a lixend form wats not oblightory. Joreover, there are certain pamalges that necur luith in the writios of ot lanal inn in the
 of some of the most eminant eritien (aritalily 1 )
 puoted in the epistles trons the limpors and mot in the liturg from the epistles. It is a flatusible "omjecture that a foma or foms may hatre lay drawn uy an monlel. withont the celehame lexing time (1) thein stidt use.
"lhe matye dustin in his tirst defenere of Christi-
 litmers, fiom which, lowever, it is pmasible 10 Wather the six point abme montioned, with inmen
 Sma Teataments were read befors ble sermon, that after the ermom there wher payers of an in-
 after theae prabers athe bafore the lorethlam wime
 that ther thankerising was ber homs.
some worlo notil lis. Instin inan mean that in his
 was erptably in fore wor somb ather 'Thi- was

















thatheriving hy the distinetive name of the fome
 and Anaphora to thatinginh thr two prottoms.
 the eompilation ralled the Somonlic Comatitutiome (4. V. It is mot known where it wat med. lint as it is in striking hamony with the ancomat given by dustin, who was writing at lionse it seems
 in that eity
'I'la' rule of secorev is prolialily the main reasom for the extrarminary semotinmo of allu-ions to the emblarint amomas early Chasian writers. Inta
 that all kumwn litmose later than ther su-called C'ementine are divisible into live distinet selands. ralled mourdivaly the limman and the E.jhesian, whinh are Wentern, and the llierosulvintion, the
 - Wll these, hownor, show thair common ontion h comsinting of certain man pats, althomela all do not ematinn all thase piarts, and the pints them-
 These prats abe of combe calle hy ditheront natmes in diferont romotries; those visert by Enerlish schoblars, whoh are mosty derived form those of the Koman liturey, will be here given ju hachets, and genomally anjugel. Thae cermony ondinatily bemins with some oreming liymm (introit), inn there is oftern a short litany, alwas with 1 lat tirok response of Kiyrir resem. Whese is often. alan mone confussion or athombledgent of sin amd praver for jatdom. There is then a praver on phaters, ind some portions of tho semiptures are ratal, interspersel with pailms or hymms, and end ing with a realing from the (inomels, atter which is nasially preathed the semoma, if theme he one. 'The nest stime (atjertury) is the prembing ugm the altar of a piere of linen on silk (amporal), and the
 in the rase of tha pure Nexandrian fomm. wher this is dhme first of all. Except :monere the Armendans, a few hrops of water are added tuthe wine. 'There are in :my rase stome pravers. Diter this, except in the lioman seland, the lime (Pas, " lise af
 duced with semm form of the words. $l$ lift uf your ho:ats" (s゙msmm rarla)-Inswer, 'We lift thems

 lirst part (prfan) of the thankriving alwas

 in singins somt short hamm, lowimming - lloly,
 'rimmplat llyma). The continuatim (canom) of the thankserving then romere for atherat of the rimomastane of the institation of the formatiot reciting the work of ('hat (comanemtion). :anl

 -f"kem of heroifter. The thankeriviner elane with at fart olosolary, amd • Amen' in ansumed. 'The Lomble lenser is then sairl, either hefore of atter
 mote dhe rhatior. Abont this point the saterathent in both kimbs in wfen lifind np (a ceremons pros forly tarmal the bevatum, hat mow witen tho

 the holy are u-nally utterom. In lhe IGmant





 tion. It will be rentaked that in the abowe shatela
ond inpurtamt featme is not mentioned-viz. the prater for all men (the Great Intereessiom). It arours in all the liturgies. hat it is plated at diffobent prints, and it is in the pationlar mint at which this prayer uernes that the ditlerance betwean then manly eonsists. All the limreico atso have
 lifler :a to the point at which ther interpolate it : but, a- the ereed itself lates only from the toll een. thry :mal forms no integral part of the erremony, this is a matter of little moment. It is to be remarkal that in all the rites some fortions of the

 - hatom which may mernale have arimen after the in troblution of rangrmational siming, mad owe its origin to the danis, on the ame lamal, not mataly to protract the serviee, amp, an the other, mot to omit -ither the - inging or the jutyers.

In the Wient the use of the word litures has been almusi eutirely surerseded, axapt in the dispuinitions of the learned, ly some fomm of the word whicl: apmears in Lattin as miswe aml in Englinh an metss. The derivation of this word has hern disputerl, lomi it is admittod that it is commected with the proelamation, lte: misum int, oftha made at the end of the limatan mats, and it maty now be remanded as certain that it is at mere vormptinn of missia, athd
 the hame in always moteremol. The langage is normally Jatin, which was the common literary thome whem these rites were eompuned, and has never heren elatngerd. 'They hatwo a chotam, intro. dhueni abmot 1100 A.n., that, immediately after the uttramer of chaist's work of institution, in each ease the erelelnant shmal hift the wamanont above his heal, and this is mow rommomly called lis Wisterms the elevation, while the true elevation, or hifting of
 momont of connmmation is att hathd, is hy them
 in the IGth erntury, the eveluant only (with the exeertion of tha kines of France at their eoront.
 mass) ennmmmicate formathe ehaliee. 'lhe manner
 sumg, and Low Mas. I lligh Mase is sumg, with
 nate of incerne. 1 Sung Mase is smog liy the priest anm eloir or comgreation, hat thepe is only one
 ly the prient with ame elogk, and withumt either
 in lamer, the others (with simple masie aboud three-

 of time in the simue churelo on the sithe dive.
( A) 'I'lue laman liturgioal fomily is often calleal the l'atrine, am! in tralitionally ameribed to the

 its litnoty lucatmo latin is manown: prosibly the Latin liturgy is of dibiath migin. There is motrace of the rhature hefore tha tha remtury. The distinetive fothore ui the limman family are the pornliat jusition of tha lows, inm that the


 remonented lis two moin riter.
(a) The lionatin. 'Thiv is the emmmon lioman mans familiar in mant pate of the workl. The liomath liturg lata meveral varying forms, sumb as that made fig the Dominitans (who, as in the Nevandrian sehoml, flater the bread and wine on
 Fhene pronerve the wase of partiondar times and

the Sarmo. the Aherdeen, and other medideal rites
 that of the chureh of hons, hut their pereliaritio-
 lowlow of Itas also luen trandated into shamie, into Smenian be the lomincoms, and into (hinese ley the desuita, hat of these the 'hinese has never embe into ase, and the Amemian is catinet.
(h) The Amborian bitursy is that wit the ecelesiastioal provine of Milan. It man interen for sehmar- lies in the finet that it is a develophent,
 liturer, from some earlion form of the latter. which has been the emman prent of buth. ame that it preserves some featmon of this parat which have bern low or much oforned in the fonam une.
(13) The migin of the Epherian or Eplesine family of limmi io traditionally ascribed to St Jhhn. It- diotinetive fature is that the great interesesum doe not fom prat of the thanke
 Whared after harelone if the otheromy, and immenti. ately followed lay the lax, heme the thankiving begins. It in almont extinct. lint was once represthted ly at leat three branches, wif which one mbly suriver (w) The Mozaraloc liturey is the
 for the firt that than who contimed to practive it Inol lised mised with the Mrak promation. It womblave dical wit aldeether hat not the celeInated Corlinat Ximener ostablished a special chapter to celphate it in the rathedral of Toledo. and sanctionel it for the hollom of a few isolated inmefion. on that the praction of thi liturgy is now contined to a dile-chapel in the cathedral of Toledn, and the wep of a few intiviluals. It is written in a yory frenliar dialect of duraded Latin, and the exi-ting text- are corraf, someproms having been
 eare all tho servinelrook of thi rite were edited. (b) The fiallican an ament limery of Gaul is totally extinct. Sur"er of it is known to exist. and the attempt thentiont it from farmentand ineinental mone hav layedy exereved the innlustry and incumbits of the learnel. (e) The Chltic furer, as impent ly latrick into Ireland atul he Colimba intu contlint, was unloultedy: fallican in form. Sildi- the Wive introluced the
 tuok the phace of the otlow. which was finaty -tamperl out in soneland he st Marrawt, amb sem afterwards in lreland, where it linsered a little longer. It- remaina a mom manty than those of the dallican. What litmes was uan hy the early British (i.e. Cymrie) Chatian, is mimown. it may lave heen dither limath. Galliwan. or lwoth.













 cat wholas. In "ach oif thene fanilion the plare ni the parer whin iollow theremembaner of the

 folment that they may he the haly and hand of



ther sume anom a- in the emmermating one in the
 ment may he havel to the impiver, and that the




 tion for the work of Hi- ministry. On the camtary. the lomb at leant of the Eaterns outside the conmmaion of lome mamatan that this immortion i- .-semial (if nut indenel the sole ersential) to ther
 bleted, mintil it has leen uttered. It may he added that the EAstem 'atholic elarey an in the halat of -aying low maves withont minic and wemmally withent inemor, and that their celelmations are at frepuent a thone of Latins: while amone the orthodox intl Shmphasites thete i- a daily celompation in monasterimes and cathedrals, lint in uminary chucher onty on sumbay, holy days, amb opeal
 the eepehation i- nominally prestilnellor all sum-

 formed even um many sumder.
 family of liturges is accribed tio the aturate danes. It. distinetive firature in that the sreat intereenion
 givims. (a) The earlient exither hom is a liturs in (ireple, called ley the name of the aphetle whin ix now ohmbete every where, thongh it is atid to have
 Trmer: bay maty. However andent may low -ome protion of it, equecially in the thamkings, it contain in its present form compatatioly recent feature, the date uf whith aw known. (b) The (rmstantimpulitan. There is a litures (originatiner from the Chureh of (xesarea) callad liy the ne of St lasil. alnidered from that of St dames and on which the imandible part- of the anaphoma have arain heen almidsel. umber the name of St John Chryontom, although it is very merertain how far
 the work. These liturges, or rather thi limser ( -ince the difterences are only in the inantihn part ), is the only one in mes in the Grtlonlox commanion. and is celehmated in Greek, Trahie, Samomis. and Ginorgian. I stranser entering is liverk chmala is liable tu be strach, if not ematumen, low the way which the acmal liturge mostly inamible, is orerlaid with litunipe am Thyms of vary ing lenath, amd till mom he the abmet ention comoname of the altar hehani the sereen called the ihomomemann (imagerotand) (e) The (iretk ritu in laty. I





 momber of the hawitan onder in laly had alana










 the altar. 'Fise raldhation of this rite i- for mare



patly fomm of the fibelk. lowat Strian erelesi
 fasing paraplarase of the imathilhe part of the
 comboxitons, amelimes dienition lis the mame of




 (f) 'Ther ('motaminmbulitan rite hat hat at preat










 of poromad antiquity. There are twoparaplamion of the anablura of thin litheres, one of whiels icalled the lituray of 'lambure of Topeneatiat thas other $i=$ nature liy the Nestorian in homome of the fombler of thar soct, lat they aplear to lo as a Whole abler than the time of the pe permons. In tha
 romb, sumewhat after the manimer of the llaly of Holies of the dewish tomple, amb the whole caro mony is at - vere simplicity. The litures of Mala. har, or orivimal liturey of the native Chetian- of India (' 'lhetians of st Thomma'), is a fomm of the Ibabelomian litures of the Apmatles, lut is sain 10
 inluconce of the lowtumese, at the -ynod of Dizmprer (lson).
 the form of the liture helomeme to the chore of Enypt, and its winin i a arrihal to the evancolint Mark. The properly dintinctive fathre in that the



 amb their hivory i- vers olocere (w The mormal



















 many formmbar we familiar in liverk, and the






 wi St 'vil. It in a for tran-lation amb andaptation


is now ahno-t Mintel. (d) I frexh anaphoma was
 which the great interement is manfermed to the


 alled by the mamo of st (impory, and this, joinerd










 therememony is not showy. larenne is hommatmost withont reasing from the heriming wntil the com-



 phasess of the amiphoma, of which at mathy as tern are known do Wiskera ablalaro.






 nomt a arriad in fromosions. Ss to ventments, the ('ha-mble (!. \%.) is maversally wom ly the celdhrant: nor ix there any trace of at time when it wan mot. As. howeser, it is wrisinally a more round finceref जnill with a holle in the mindile for the head, the hand ean moly he uad while watring it lig mixins it at the sides or in fromt. Ilanere in the

 among the Onthontos the font pant brlow the hreast is rat awat ; in the dexamlrian rite. and be the Smeniank and somu of the Symans. it is cotidely
 all the famblan i - alow worn a hong wown down io

 Hement- the homer tmin wom la mirntals. The







 comernombling oljent worn ley latins, however, is fut on the laft atmo omly, ami hat a homer lap a amd -rame have mamamod that it was orio. inally a forket hamdkrehisf. 'The "mum i- mally a weil or ancoring ior the he:nl, and bs the cupt- it is so wom motil the thanksiving. 'In the other fanilios
 Amenians, is ambundering it, hatre mate it into







 in brinsimg of the thead ant wine at the otertors,

 fom pratinner the Vlevations. It man, lowerer,


 mot lanam, and is madohtad! amont and in.
 10 the inthence of Spani-l winge in lomion
 the ereat interewion the Prayer fort the chand Militant') hav hern flaced in the whemers. The litury ured by the boly commonly kinaw an

Litursical literatum is aceedinely mhanoms. Jora



 Therch. As regand- the limuan and comatanthenalitan
 Armenim, Chowh lis the lier. Li. F. K. Fortescue: for the

 torians amil havieatis, The Xestomens unt the in letmets. by the lat. 1b: lanler: and for the copts. The Coptio
 supfly information of a practical kol? while for other or mure remmite stmales fecmurs: pio lie had to the authore atal by Mr Hammul. She duetrine of the cuclarist, and it history before and after the lieforma-


 we awe mull of our knowletite of the hishay of the $104 h_{1}$ rentury was hom of at distinguished Lomsonnem damily in Italy alnat the year ger He enteren the service of inmorar, hay of Italy; bot. heving fallen into diserace, he remareat to Germans, ame wred the Emperar Othe I., with whom hir retumed to ltal! in !lig. Otto made him lialup of Cremma, ant afterwarls sent him




 the fireek conert. The best edition of lis works is printed in lratis Momemente licomener, vol. iii.






Livadia. the mame of an wate, with a comple







Liver. The liver i- the larew eland in the


 -ithaterl in the rifht homehndrian rexim, and









 barer : the left. The wo.ll ai the liver are the




fand trom wheh (atter the sume has ramitiol lihe an antery) the hepatio winm atren and money the

 in the path of the win- paramer fiem the statiath


## 










and intestines toware the heart. The homelarlen with mutrition matter, has to pase thoman the liver lefore it wan into the wemeal cirnlation: in its parar, it ames into intimate relationdip. with the minte heratic cells, which alter it- mon stitution. alomacting or adding varions comstit. nents. The life is one of the mo duct- of the liser cells, which, wh taining thrir raw material fomm the himond, sermet this llud into tiny duct- (drain-). These join with other vesels to form larmer and larer ducte (jnet as vein- joun with pther rein to form larer vesela), which finally leave the liver and prase thwarle the wall. bather. Hore the libe (f.r.), whinh is comstanty aremed. is semed ing ready to hie distharged into the intestime during divestion. Tha bile, whilh is of a brown. or in some animats, of atpen molor, iablomed las pirment- (hilimbin. biliverdin). Whith are motonhtedly
 Anempurition prolnets of harmin


 which wotath this pimenont ine contimally suflicing dronhtion,
 Preinz dentrow within the huls be the agary af ohby wells. Whether therg dertuction actmat,





 salime comblitions: for imsane then mas lan an



 How inta the bous oi a hata. In than can tha

janndice will arise. Asmilar comdinom will follow any obstartion to the ontilow of hile from the liver (exall-ntonte, infiommation of duets, dre. . Ther







 fran the intewtine into the hamid.
 early perind of intrataterine life, the exomod hile.


 from the londy, hat in praforming in its watwamb


lint the liver hat what athe promer equally ims portant functionts to friform. It is a ereat stome homan of fored material. Whem the beely is well nomringed the livar rells stomsaratain guantity of fat, which they ean part with duringe starvation.
 is lomed with fit, while the liver (pitis fo frime gres) of the Stranhmer gome is a mase of fat, with harally any vostige of the oriminal tionse left.
 Ercatost fumbions of the liver. lt atperam that

 the liver allul prevelial from onteringe the general vironation. 'The liver retains them ehiofly in the form of
 the merm maty monsiat of it alome. This plyenarn in then dinclatered from the liver probathy in the
 of it. W" have how at womberal powisim for
 wonlal be of obvion diralvantare to them were thoy immotated with pambmo direetly after each mabil, aml then leff withuat any at all. Mans parse of the lompy the momes fim instance, ario
 hat thix power is fimited, and the great glyonem storylomai is tho liver.



 of me: whiol suhstamer, as hat expurmentally bern shown, las its primary mien in the liver itself. If varhmate of ammomia loe injecocol
 Whi-f apporar in invreated phantity in thas homen,

 int the hanil, the nitrown lavine n'paratod from


 liver. extirgation of the mesan ransing at matrond






 hathit of acold elmate, althomerh lar liva in a warm ond is certan to bevelope it lisem: 'The hrem drinker :umbime a fatly liver, and tho dratu-



lwe:mon the commonmet, mataly commected with dimmer of the liver in that known as biliousuess. Thu atute fum, or 'lilimus atiali,' hats heen
 promic suller liabitually for fomer perionds from oth allied romblion. "Tht" sympomas are rery varbors: hut the bovt commoninar dull pain with a foeline ui woight in the gewion of the liver, and path in the rioflat shombler, hanally worst after momb: a bitter laste in ble month. with conted,

 -rmerally mone a hos dapersion of phrits. The Fombliom is most aft ta nearr in thome who talie tow murlo or tow ridh food or drink, with too little expreine. It in probithly ciluard not morely hy
 formanmo of the ather fundioms of lae liver, expecially the disintemation of allmminand lombes. For


 bationlarly as resads aboholie drinks. Of these maly ligums and sweet of stomo wines are the mont injursons: bat it in ammally luat to alostain
 aroidal. and sumb and mait le tiken in malemate ammant. Exereis in the "ן"m air is very ims. protant: riling in the most, walkims probahly almont the leant, norfinl fomm. Ilith regarl to
 relief: lont thrir hahitnal ber is dangerms. it daily dranght in the moming of some saline

 is oitun var unafl. Bilionsinss ablom serionsly shortens life, but it oftan eriesomaly joterferes with its enjoyment, and with the jower of doing work with amy vigotur on sativactim.
('om,totion ut the liver urom in at liast some canes of bilionsmess. and in inflammation of the

 of bhom throngh it. In lons-stampins aines of this diseare the sulntime of the liver phenents a peen-



Asnte inflommition (bepmotitis) aml wbseress may weme in the comre of other dimesers, epectally
 are manla more comamon in hot comatries, and in a lame proptrtion of the canpe asompamy or follow


 -


 जated no indieation of its pramere maty be fommal.











 many live that womh othervise in all probability hat we luall sicerificerd.



severe nervoms sympoms（hewhathe drlirim，

 the liver i－fombl much diminishod in－i／e：：and it．
 The symptems murls revemhle thone ai phaphome
 ohe nure．

Cirrhase of the liser，or introvitial hiputitis（cir．

 eflinet in the arember tione surmonding the brandee of the purtal rinh．The smaller hirnehes herome whitemat by the proure and．as the



 the liver in phohahy at firat sumewhat enlaryed， and ores－amally ramins sot hat in general an the contration of the erlionom stom on it at lenth


 The entrubtion to the pertal circulation weasions the efthoim of semm int the frotmeal cavity：
 th ionce up the hathuam and inn ende repiration．
 the arme and face are never atherel．＇like purtal robtraction witen aho give rive to hemortage from the lowed or sumath．In a fally developed cive of rirhoni－the liver is so altered in tructure that palliative tratment is all that can lee at tempural．This mat he directord the the relief of the drops，and，if medicines fail to remore on dimininh it．tomprary relief may he ohtained lig tapping：hat the dianase in a wers hopeles one．

Amonst the nther affection of this orean an the fietty bier The liver in this care is much enlaiged，of a pale chour，and rommed at the ellere：the livate i－mont commonly found associ－ ated with phathio and in cabe of general olnesity．
 liver isee Whay lafenah．Tuherele sphilitic diseave，and differt forms of cancer．enerally secombary to cincer fewhere，are not mafre． quent fommin a hiv orgaus．It is also much the mont frequent wate of llabatide（r．s．）．

Liverpool．－ituatal on the moth hank of the
 heal，on the oplu－itn ivle if ther rimothe semmal larent town in the I nited hingdom．A port
 hat fir the eqmane with Smerea，it rank in
 －at＂ifomatance due to it praition on the wot wat of England．It is athated at theme quatere oi an home divtane ly milway from


 －taner from Dhblia．Theren if Liverpal is



 Hansh the town wim repreantom in partiamma






 and it wan wot ement into an arate pari－h until





 I
 －hip



 ran and of the conton induras：the comamp．




 hombht almut lag hareaves，Whwight，C＇romp－ tha，inn whes．there camo an incriond forion trate．and an anoment infand basimo．on in： tw the opening＂the lifilyewater（e．v．＂anal in 1：7．Ahmi the sime periont，tow，is ：reat stat
 －beral extomise miders receivel from governmont：


 leadin－punt ennectod with the dirican trale， ahmon mompolived the trathe in slase hetwen


 by the clove of the lam contury liverqual hat far ontstripped bival in commachal importane．
Bha preat at was the prowress math darine the elosing tomaty reas of the joth century．it wat far exceeted in the 19th：in 1 ssi the promition with－ in the municipal hambary was sos．ans．and within
 decate thop wa－howeser an appornt heresone，


 this the parmbation of lithenleral a．s．s．wi the
 with other indoinine places，the tutal popmation of what mar lor termed the jurt of Liserpenh in alont
 hanker．trademen，clerkn．and whthis－num，




 ralway thane．The progers in forphation anil


|  | ratamextum |  |  |  | $\text { In } \underset{t}{ } \text { haves. }$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | lathuitural, | T．$\times$ ， |  |  |
| 1ind | 30.19191 | 1，240 |  | （11） |  |
| 1－1／1 |  | $\because .10 \cdot 1$ | －． 141 | 4．9，5mp | $\because \bullet, ~(\%)$ |
| 1－11 | 14．700 | 4．7（14） | 17：9．14111 |  | （1），（19） |
| 1－11 | 311.7 m | 21．6414 | 3：20．t．141 |  | 15．．5， 1043 |
| 1－61 | 可． 1 （1） |  | 可曲，（40） | 4．846，＝419 | 14．4．411 |
| 1－91 | 136，${ }^{\text {a }}$（191 | 11\％，以0月 | TE！，¢（k） |  |  |
| 1－41 | 701， 1120 | 7：＂，＂\％ | －111 ．191 |  | 1．115，4011 |

 the ratite formbation it in entimatod that botenn are lrimatad atom ther name momber What．






 hing lume batione to liverund．





















 hams. homi, punk, and larel: 3 million wat of li



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 185 the watersiply! of the town win derived


 14.s. In 1851 the fommition af new water-works wan latil at Lake Vimus, ahomi :os miles from






 Witthlathufatorios.
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 and a madler romort rown, 'lher orsan in the




 in lebil, and presented to the town by sir William
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 (1) commariat, fulitial, fhilasophisal, sritatitic,




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 Cimmercial. Natimal Provimial. ami Nemb




 parks are einht in manam-the stanles, sefton, l'rines. butanit. Kemsington. Newshan. Sheil. and Wisertret.

The markert day are Wedmelaty and Satmolay

 are hobl duly 2.th sma Sowember llth. The corn trate thanamo it. lmanes in the Corn Ex--hanse. bram-wick fituet, amb lhere is an extomsive markit for the cattle-tablem in kencinemm.

 At Johns. and st lamess, (ill street, an! st
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The nam Lirerpoet first ocemo in at leed of

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str latines. Hextor! of the C'menmere out Pown ri


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 - tamine the bhander of the suking fame, lame Livelpol's timaneial pobicy !evaraly yas of at coumb amb mondintened chaveror: anil hi adman intration was an equmbmical ont. I- a tatto
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## 




 "ren in the water. 'Jhe majurits are proviath


















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 -purse. Fiom tha lattor the new hiverworts are


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 In the dity wi rhisaly the wration oivery wir






 Hetamor in livery attablof to many of the mand






himbl. These samb enlomis arr alternated in the *wrath on whisla the ar-ut stands. The roval family of Enerlam! have sombetimes ablopted coloms
 taxinets had searlet and white: the Home of Sork,
 ther Homes of Lancanter: white atol gresen by the Thelors: fellow and red ly the stmarts, and by Willian ill. : ant sembet allul blue by the Honse of Damowr. In imbingensible part of the livery in former times wa- the baturs ( $4 . \times$.)

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 the L.ond Mayor vertai: -1mm, twent hilling of
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 ['lster) at flo, mm, (14\%. That ammal eost of the






## Livingston. Ser (ititmanis.

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 the Emamian of Mary 1 ?nemen of sont and from

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 trate of haml, which lie hand rerend into the manor


 amb wan one of the signers of the boctation of



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 aty tration he lath down the primplesen on whith he wan tor promed. Ile propmad tle alvolition oi

 Hi- bunk wav reprinted in Lomdon, translated into Frencls, and win bry farmablay received in








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Livinestone. bubly, bimenary amt travellem.






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 munt, on 3l-t . Juls In+1













 "antwatol to the lntian (heean at Yoilmatme. Lia












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At homb Livinesture was welenhad will wetra-


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Namat on foot : then in his own vered amb under
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 the heal of the lawnat, of wherever atmala


 bery homonstration of homen and rexad. A pho foral wat mate !o him on the prott of the layal







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 ill-helanime of sme of his attemdants a report of this death was civenlated, but an experlition healeol



 was ding what he combid for the religinme pulighten-


 thmhuy it misht pusibly $\mathrm{l}_{\mathrm{m}}$ the Xile, $\ln$ fat from certain that it wan mit what it prosed afterwark to le, the fombu. liotuming after severe illaws once more to 「jiji, Living-tone fomme 11 1I. M1. Stamer there who hand been sent to look

 latme till la had mate ane mare eflont to solve

 shbermes abays ine wasing, when he reathed Phitaminis village in Ilata he was ohligen to sive in. Wn the moming of lot May lat3 he was fromd hy his attemdants on his knees, dead. Ilix fatithful fuple embahmed his lunly as hest they combl, armien it amidst the greatest proils to the -hore, where it wat put on luaral a british cruiser, amb on lstla April lata it was buried in West-

 fiow days of his death; the-a were publisherl in
 for the main stratin of the Conge (harere the baptin Mi-sion on the lawey Compo was callad the - Living- (one lntaml Minion'), ind Nt II. H. Jhhenton propered that bary of the East African tominery actuited lay bitain in lsom the lown Inainage area of the \%ambesi-shombld he called livingtome lamy.















mixam here: and another atation, callad liban1yre, after Livightume hirthplace, was panted
 in How shine llightants. winhen easy distance af the hake. In wet the whef indintries are irnm manalacture, hashed-makins, amd choth manianture irom the berl of trees and conton. With bhe exception of the $\mathbf{7}$ mule of the Durehison


 murh 10 promote misemes, avilisation, and cam-


 Stebellom, after whon the ratel is manem. It



 Thmo the Eritish llac. and is part of Nasabame


## Livins. Now livy.

Livills Ampernidos, the father of loman
 probally a matien of Tarentum, and was carrial a - dave to Rome in $2-2$ b.c.. lot atterwame liber-
 imo Litin satnmian wres, and wrote tratedies, comblies, and hyms after lirep monde. Alere

 (154., See latis.

 of (Veal, Molm, imel Kïno, contains an area of
 of Ligi, and lion lutween E-thonia on the morth and Contiand on the south, leings sepurated from this latter hy the river lwima. The eomery is mostly llat, and noarly one-fomrth of it is covered with foments. Lakes and streans and mashes are common. The snil is only of moslerate fertility; neratholmon argiculture, the chief ocopation, is carial on in in skifinl maner, ree, hatley, oats, flay, and potatnes. luine the principal mops. Dis: tilling, brewing, iron-fombling. oil-pressum, and ark, wool, and parar manuanture are the more important industries. Siwnills are active. The

 cent. Ehbonians, \& per event. tiomans, and $\bar{\square}$ per comb. Las-ians. The Livonians proper, a Finnic rame alan to the Exthomians, have dwindled down wahot wao. Capital, liga: ather towns, Dupat, Deman, Wember. la the tirst decale of
 Kinghte of the Order of the Kworl, who in 12:37 wht merged in the order of the 'Tentonic limights,

 Lithumia, and liusiai down to prat the midulle of the lithe contury. Frman that time Livomia was at hand of contention hetwen P'olamb, Sweden, and Lan-iia, watil it: incorpuation with the last-nanma
 contory. and repronly sime 1sist, the hasians hate imale detemined ellorts to rusify the province.

## Livormo. Sire Jatitulan.

Livire, tho natue of an amokn French coin,







 French mit of wagh, and was ergal watwint Ith. asmintumio: the kilogramue (ate ditivale, hat takion ite plact.


 in Jutine Comar" first comonh-hif. Wi a mble ant Wealthe family, he rempat the hand whation in


 the emprom lihe Viruil and limare hm, atoming

 *-mpins, and m the law of freedom the end of home. He prai-ni brutus ami (awinn and sympathised


 Wreat Carat himadi he dombed whether he wabume of a amse or a hewing to the chmmon



 that liy returing peace and allayng rivil trite the empron han rembiontated lime to woreme a thonsond armin home formidithle than the Mite

 Ansu*ta tahing a liway interest in the fromen of livy - wath, whik Liry reem- to lave heen still intimathe emmon at cuart to exhort the future Empron Clamilin (larn 10 bec.) to the andy of hiatury Livy hat a som, ahor, it i- helieved, a man of lettors, and it haghter married to Magius the rhesmician. 14 . wited varines parts of Italyamontr them fompata and the Neapolitan 大at
 thersmate and the ormeltien of Tiberias. he returned th, hiv ative l'ataviun to die.
Livys work, romame the history of Pome from her fommation the thenth of Drunns, 9 is.e., was
 of whicla thase imm the 11 th to the 20 ha, and from the fith to the 142. hate hem lowt. Of the 35 that remain the $+1-2$ amp $4: \% 1$ an imperiect. The lat writer to notior the hionsy as still entire is
 minosnoes, the lahum and oont of trameription, and pur-ibly the sindietive hated of emperors, like Calizulis, to it - maldican oririt, combinet, it is
 that survised mu-t hisu peri-hed in winh or in










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 ('baninion that home motally and materiatly








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 oi his Vemetian micin: wertanls for promitum of charactor hat it the Titian of hivanime. The


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 simal preferme for preta dietion. Hi= befor-


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 combent to take his anthoritio an har fomi thern, and where they diferen to art the erdetic. ©utiond lay taste ur predilection. let hi- sort momatn nommmental, in -gite of all the streak- in the marble and the montera beader beror fail to appreciate that impmate of the spminal fom
 Live, and havimg done so retumed sati-dient.
The hiblionraphy accumblath round Livy is a bimary

 have contribnted much to prify lis teat and ilhustate his meanms. He has yet to find minde allute tramshator in Endhoh, thoneh merimpions versims uf parts of his
 xxi.-xxy. have been [rublishen, and ther is a trantiathen of the whole, in fine Elizabethan Fundish, hy Mile man Ihnland (l600). See the hank hy the Iter: W. W.
 ver Tite Live (Feia): amd lrof. Seelers minduction to his edition of Rook i. (1nil).
 in chemistry to denote the proces of warhine or -teeping eertain mbatances in at had. fin flat burpase of dixalsing a purtion of their inculdients, and so seprating them irnm the insubher reathe. Thus, wool-ath is lixiviated with water to diwn

 ralled a thririnem, or low.

 the capital, Aransuli (y.v.) at a ditame of la... than 3 miles, thand the roal romm the gulf is



 lools is mathly wall ramed with watere wathing


 and himi limho, hut whew patir mat la. Gad. ar







 lol- :




























 (6) ha*
































of foraghas for itarit makn it mont valuahat tor











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 i- armel to cat.
I. lanloforis the " 'hammonix of Wites, ! miles ESE: ot ('amarson, lies at the narth-went haso of Simmelon, :and ne:ir the fond of the wild l'ane of


































 aior Llamblabusince lall from at math fialime



 (15.7) 1131: (154) 4539: (1501) 64.

 Swansab. The mineral wealath of the winits, amb the easy areen tu the sea, ham, ramed it bum a mert villay in lata to a toma of comilerable comt











 Wales, pircturemplas sitnated on the bee ow mile-
 ha- it town lath ( Natis) and thaned manfactures. and i-sisited the thristo an account of the heanty of the fathons Fible of hansohlens, and for itx antiquitice, anmy which are bina- bran or crow
 Patlar (xth or !th century Mas Xewrde $\frac{1}{3}$ milo S. of the mider, was for half a centurs the readence of the twa hinh rember. the Ladien of the Vale. or • Mahk of Llamemben Lady Fleamor Butler (17. 1929 ) and Alin Sarah Ponsonty (15.5-1 31 , who were vivitel lure by Matame tle Genli-, Min-: semanl. He buiney, and many uther celetritios. Pom, 50tb. See Simpoom:- Mistory uf


Llanidiones. a maniajoul :mul parliammatars

 SW, of shew-hurs. its interenting chmelh, lmilt partly with materials from 'womht Aher, wat restored in low. Considmald, mantathores of Hamel and other woulden fabrim are carion on:



Llanos (spath, phains from lat motmes.

 and sandy, in others conered with hamian gras and-turem with imamerahle herde of catte. Twer ereat furtions, however, theno is at hom erowth of
 farther =mill.




 savare hamber lived for the verts after his marriaye umtil driven away hy worto that hatrawed














 11 is advanmont, hemener, wa-mpid. He hecane

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 he fomb favom with (ionloy, whom hat wom be

 mathe canne of Tholerlo. and wats on the high wad


 unrpation. Kinge Joreph, who stome in neen of

 ons les- cuntectid with contiocation: and in lom, when the Impixition was stpprese.d, phated all itardines in his hamls that he might write it-hi-tury lhat the tines athorded little lefare fin the tark. The ebb and thow of war hept lomely atwas: on the move, and liorente follonath hi- bomat: with a tidelity that wombl be admirable but fin the fact that his life was not sate amome his onn comatrymen. After the hatte of Vitaria he eflectan his retreat tu l'aris, and there, transated into French umber his own eves hy Hexi- lether, the work came out at lat in 1sī-1s. The spanish edition did mot aplear till laze, as the laminition,
 sahe and imporanee of the homk, motwithentandine its want of method, wete lecoynived at whe: There was a $2 \boldsymbol{d}$ ealition in 141s, and thandations in Cheman, Emelish, and ladian followed suedily: lont it puwaked bitter feelinar, to which Llomente: aulded in 1sog hy his Portrent Politiqué des I'tpess, and at the instance of the clerical party he was

 (February or, laze), hoten down by the datione of a haity jommey in sexere winter wather. horente the-serving hatater, his amimaasamet the fupluition, the (hurell, and the pore, and hix ; mhin-inn of laving burned docmment-
 Worthinter. But the ment hamen of his chponent-, Hefelo. can himer no :raver elame againt him than that the manher hate sives fore the setime at

 accemat of the burning of omber of the papere in prowtly straightorwari, :nut his matiment- in to the hopisition are alway- :makly dentated. It in
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and the what wemrition then placed at the di－pmat

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 property．


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 organation for the＂ollection and distribution of marine intellisene．The intellisence lepartment of Lheds was origimally entahli－han at hayds enftee－ hana to met the jublic daine for information with resarl th worlo at mat．Lluytio Nows wat
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 made there，attracted wencral attention，and in
 intor the athais of the imtitution．From this in－ quiry Whedts enarged virturimaly，amb sine that time has conthand to anint in the promotion of every meane which misht aitl the theremation of lifo al a：t，the prowntion of fand in commetion


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madowriten is collected in the semptary＇s oflice for the handit of members and subseribers to the a＂M＂nation．
The value of sisual mation－an a means of pros－










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 of the＇Trinity Hana with regart to lighthonses． The－e valual ite aide in the premation of life ：and franety are ome of the latrest devernmonts of this
 ＂gniry＂blice：where the whations of the erew or parnmer in any veonl may ohtain infomation
 band or ans ather hattier of interest to hem．




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 dippinge centes of the emontry．The manerons
 of the committe he a stath of 184 ，hip and engime

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 and enginse．both new and wh wests call he －liased mather thene mher．In the cane of a mew vesoll the plans for emanaction are in the first instane shbmitted to the combittere le whom they athe examined and wetmed with surh monli－
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## Loalm. he kima...

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 ment in for the athantane of beth pation an in the
 -4nce will =nlli.世.
 taking hey the hamor to repey the money lent,


















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 i- now an actpard matim that investom an and nawe no dam to the insistane of the gowern ment. When porde hat mones to Turkey they do son whan a highmand interet : and they how, or ousht to know, that thigh intenst me:n lat


Loandat. Suxy l'aid be, chitif town of the
 lie on a small hay, some 210 mile $s$ s. of the month of the Congo. If has homal, treeshaded lint dirts

 in gradually sambing up, wh that remolio $1 \frac{1}{4}$ mito from shome ln less 42 a milway was mate to Ambara, 140 miles inlami: sil wion introlneed
 Europeans.
 ing northwands fom the month of the Comen tatwont $4 S$ lat. By the berlin couference of has it wat
 and lrame The natuab feature ond ponhetions






Loansicear, a matmal omber of ealyeithral exogens, matios of hamera, and chedly from the tomperate and warmer pathat it. There are allant







 botanint Mathhat de Lubel (13se-l6iti). This




 the meth of hatia. They are gemerally hath.



 Jermian phant, of whith the wery surll ar.ite-




 - Htan foming : \%






 10 proteet dmring winter in Britain. T'u this genns

 hiah in mute. with blhe howers, which hats hem used at a medicine from time bumernarial thy the alnabine of Nurth America; both the thaceringhorb and the weds ate imported intu Britain. It in the former, compurem in ollong cakre, which is


Jublue erime ( (arilen variety).

 from it. ln small done it ant- an diaphretie and expertorant ; in fall doses, ats a parerfal mamsating enctio : while in expmone dones, or in full doses
 puisul. It is the fanorite remedy of as arecial Clan of empiries, and cons"montly leaths from its ahministration are ly mo means rare. Jow-iatus





 Lislum in 15ts. went 141 th ladia in 1621 , lat



 Ahb: Lamal phblinhed at french tramation in

 Sir buen Wime alow trandat into linglish parts of Lolves AS in l6te.

Lohors Isiands, two mall Eromp of romy
 ful the acat quatits withan which they produrer.


 (i-h mincipally in the bollowime latacters: the
 un with theres ; (ha seale of the antrmat in small;




 the other raw i- mome tember and whymed, and
 loeth. Is in eroption tua riaws. lath of one hind or the athor, may orour in the same indiBhath. Tha cehour dirime life is a heantifully - handed and satied hhanh hack, which chamgen io a noaly mifurn real an loviling. It sometimes ataino to the weight of 12 or 14 ib, when loaded
whin pawn, athongh a labour of 1 hb. weight or pen lese is demed wers fit for the market. Tha

 and then beome attachod bathonotheme on the swimmerets or ahmminal apmonlares of the fomate. Thes are carrem be the parent in thi maner for sempal monthe finally hateling ahmot Inne and Inly or the followinge -mmer. When hitelatel the fomer swim ahnit antively in the water. not at tire amwline or walling like the

 limbs: when thot hathorid they are about half an inch in length. labsurn are ex.haively arnivar. ons and wors wrabions. They an alan wor
 limbe. bat they exhinat in at remarkabe deeres the phamoment of remesenter habs ratilly growing agin of the :men form atorture is


 monlta are [andiand hotope ghe mill -ize of the new member is ataineal. Mmhtise or tha arane of
 tho gonner much witnorer, in very oh imbiviluak nat oo miten. The anature are faily ahmotat on the coate of the Briti-h hambe and other parts in Eurure. They are macht for the maket in

 or more rex日trant mitiow for the ontrane of the lohters. The traps are haiter\} with deal fint. In







 the Fompurin sump : it - rlans am muth lamer











 is bot mownom on the wely corats of lefitain, partientarly in the atuth. It i- lwlievel to lar the

 The sholl is very hast, and ine whole lomly is rombli

 There are ne daws or pimere the time par of fert being wery cimilar the the others. The sping lonater is hromeht to market in Lambon amp elat Where, but in inforior to the anmmon homer. Wher suep of theo enemare fome in other parte of the womb. Fin matomy. de. ser lhaters 7hir ('m!!tish (1)

 tremery abmunt on the britila shans, ami wry valmalite as hait. It lises heal downwark in a bulp in the samb. Whime is
 tinatins cerretion from the shin of the wom. The holle i made as the animal nats. its why in pirthworm-like falum. ani the mamed matomial. from which
 "xtractol. is paswed wit on the whame

 stretel of samb. 'The animal is later than the earhwom, sennetimus a fon in lenatho ant frenidh hrow in colonat. The lunly is divilod into a thickened anterin resim, a modian part with thirteen baire of will-tuits hrighty anhared by the rat himel, and a thimmer pusterior portion. 'low almmayes arn Hogemate, but are remounted by two mik of weak bristles on to the ond of the will hearines rexim.

Local Govermment is a trem ared. in the I nited Kingdom. to exprese the control and shministration of the boal athive of spmate divi-ions amb di-trict- of the comatry by mardinatio autheribies. It is has mintrionem with
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 It stambs amin nevon holis，wow of whels rontain the rame vomlare，and haratown－hall（l－at）．with atimbr ir fromt of it oi lasher linace，：and the mimed rastle of the brnem．I rosal harelt，it



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 or exel retw，and only conner empty smands． Xin．how do the blate or manting which com fom the sabijer－and prediatate of our propuci－
 bibar．the mont complex ame abtract，as well an the simples．Loche molertakes to show，are ioleas wheh wew either to data that hapren to have leen


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Lomfestall (lit. "way-atar, or star hatt shows






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 L folf fia Memme ( Das: reprinted in sir S. Boss-



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Lodorings in thother permons home romatitute the felition of lamblomel atul toratht. It is
 witing, thongh it is highly "dradiont In Eng"


 binl be the stature of Frands. lint whare a maniadial homat is let, and a wrimen aterement or
 thmal he at samp on meh writing. which, if

 lontare in Enorland ran wats that if his lamblord, L. were himself at tomant to S, then. it lis rent Were in arrear, the loolyers gomis might lae taken
 femmd an the promino (with certain delinite weep)tions, of which this was not whe) rould le tatien




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 -andian manor of fordere. Every rom has this numine painten on the dum, and a cone of the
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 the lumat inthority. There dation ate entures hy
 athy from sutherins from any hagerons intertions


 sighed ley him. hefore they are agan bet. Similar


 town in Great Britain moded loxding hamas hase been erectal on approw phans, whetrin Homater privars i- marel in the sleeping quartern
 The latest inventions in conking apprathe, wado ing-homa. Se hate lwon intrentuced: while real



Lodi. a cown of Xiorth ltalys stame on the dildi, is mile- her mil ti. of Dilath. It hat a Fomath Gothin cethonal fating from wheth motury ; manforman of limba, filke, and Mat





 form the Jotsian hatemio.












laros. -mern

















 Mam th hase that far the haltad what Watum

 lum mame renentiy a wind dal of attention hax luan rallal tu the hellad. So. low lit liallowt.


 writer-whral to ditumand wromen: a hand of

 This dariphion, thongh mok the ill matme of it, was so far juat that Lotlt was tha batton of blenme





















 seativere. Ther waters oll the rast sule of thece



























 the warel, is oftom ned instemt of the hasolig. The log line, which in attached to the herghe or
 biere of matine which are tueked themeh it

 hame wo that the number of wome of the low lime which ran wot daring twents aiflat secoms is the same as the manker of gengraphical miles which the ship is : the -pucel. Tin incilitate comating the momber of section of the lag line which have leen patid ont,



Fin. 1. - lintator with forme vabes.
taile of the pieces of marline. In pratice, mach serbion is mate tif fret $s$ inches long, which is desisnedy rather shorter than the thempotical lensth.

A-hif progres throng the water is, however, mom more generally ohtanted, epecially near land, by towing combimondy a small eylindrial tulne to which are attarhed oldighe vames, unnally four in mumber. This rotator, as it is called, revolves ats it is towed with it speed whith is propurtional to the speed of the vesmel. This propurtion is ascertained hy experiment ly maters. and at remistering apmature, cansinting of the nimal ang whers and pinions, reconk the revolitions of the rotalur, ame se records the proweres of the wipe


 the tow-line being hooked ant at 1 :
mot justitiod in rexarding any form of log an an instrmuent of precisiom.
 wind, state of the wather and acta, lecway, daily amployment of the crew, ind otler incindents, which in the fint instane are noted at the moment in the brible-book or deck-buk, are daily contered in the loghow, wheh that hecthaes the diary of the ship.

Officiel Log buek,-The ollicial lom. liwk is a book insued ber the bated oi Trale at the heginming and returned to that demartment at the end of cach rovage. It comtans a recom of the crew and their chatactors, shipis dramsht of water, oflences eommittel, desertions, sichues, deaths, medich treatment. colli-ims. No. , ind is thes at sert of rivil or pulice reond of the vasue.

Logall. Joms, but and smmowriter, was luin it fomatra, in Millothian, in 174 s . His father was a small firmer, hut was able to send his som to college. la 1783 be wis licensed as a prachur, and frm his elognemer and ferwor in the pulpit som herame so pepmlar that he was Momen minister of the secmul chave of sonth Leith purish that s:ume year. In 1-8tb, howerer, woing to intemprate halits, and for kimped reasons, her was constramed to resign his charge, atter which he proceeded to, lomith, and there engaged in literary work. N1 died there, beember 2s, 17 ss . Damides two volumen of sermems and lectures which were pmbisherl affor lis death, he was the author of a tragedy calloel hanmemedr, hut this, after a single perfomane at the Edinhorgh Theatre, Nat withiman fom the stage. In 1781 he pmblinhed a volume of powns, which, though whdy received in tritical airedes, spedily madied a second edition. Mis mate is hest kmonn now in eomection with that of Aichatel browe and the contreverter anthomity of the 'Oite to the (Inekow' and wertain of the l'araphateres. The mont aflertive tatemucnt in hedalf of Legans elaims which has yet apwarol will he fomb in two papers ly the her.

 Reviou for 1s79. Thai Lugan is 1 litleal taiphace amomy the minor perts oi scotland is sulliciontly attested, thongh there wore mothitig more, ly his expuiste lyric, 'Tloe lizaes of '"armw.'

Logan, doms Abex whber, an Amerimin statemath, was bom in Himois, the wh of an lrish doetor there, in 1sebi. He served in the Alexican war, was almilted to the har in 18.52 , and wan derlod to congrese as a bemoerat in lisis. He Faisen an llimais reciment it the lumiminge of the civil war, and
 it thamgh the water. Tha prosereo of the sipe cath
 an hatil. In the newn forma the rotator atome in in the water. Therogitering gear in ambaned in "shatl wase which is seemed the the tallisait oi the
 whintly real at any monent, the remohtions of


 plation on the low line. Twe weren the rotator and the
 sumotheres in the working of the latter. Ther





 with the rank of major-wnmat. In lstif he wat


 in $1 \times 5$, and was retumed th the amate in las and
 rans for the viowperidency of the luited state.
 (A.v.). Ilo dien in Wamaman, Dith becember tsio. flate is a Life ley (i, li. lawam (Chicago, 14si).


 10 Finhlurols lligh school. For ten yars he

 tahe chatog of the timatere of a "oplor-smelting
eomatans. Whilst living in south Wale he pre pared goblogical matem of the conal latim in that part of the conntry, and hiv work wat -0 well done that it was imorperated in the l-inch maje of the (ieoborical surney. In 1842-71 Logan wan director of the Cianalian ieological surver. Ile was the disconerer of the stimmaria nomereliss atme of the Enzoon C'enculense (q.v.). Ha wai hnighted in
 life hy Harrington (lsti)

## Lodran. Nee lankiviastove

 exogens, cumsisting of trees, shrulo, and horlmacoms plants, with opposite entire leaves, and manally with stipules, which ablhere to the footstalks, of form shatlls. A few orecies of this arder acomr in Anstralia amd in the temperate parts of North America: the rest are all tropical or sulhtrainoil. No natural order uf plants is more strongly elaraterised ly poisonoms properties. It inclules the gemus Strydnos (ŋ.v. : and see Nux Vomit.1) and the Cmani loimon (q.v.). See aloo Slumelid.

Locilliport, capitial of ('ass comnty, Indiama is 55 miles S. liy $W^{\circ}$. of Indianaprolis, at the crome ing of three railways, where the Eel River joins the Walnah. There are extensive railway-ahos, besides Hour amd lumber mills and foumbrien ; and the town has a large shipping trade in wrain, pork,


Longrithmas. a series of numbers laving a eertain relation to the revies of natural mmalmo. liy means of whol many arithmetieal omerations are made conpraratively easy. The nature of the relation will bu undestood ly ennsilering two simple soripo whol as the following, onte proceding from unity in enemetrieal progression, the wher from 0 in arithmptioal progresion :

Arith. series, $1,1,2,8,4,5,8,7 . \quad *,!, \& c$
Here the ratio of tho geometrical series is 2, aml any tern in the arithmetional series expmeses low often :2 hat been moltiplied intor loproluce the comrespmadiar term of tha erenmetrical series: thas, in proceeding from I to 32 , there have been $\boldsymbol{i}$ sters or maltiplication- be the ratios: in other words,
 rition of $\because$ to 1. It wix thik roberotion of the redation that led to grisiner the natme of lomathomes to the terme of the arithmesteal serimot the word loguerothme ( ir . lompon arilhmes) meanainer "thee minaber of the ration. A- to the bae that maty loe matle of such series, it will lar observed that thin
 the (orms of the fower marion in tho. longarithan of thuir prombut -e..n. $!(=3+6)$ is the lomarithon uf $512(=x$ (i4). Simitarly the dithermor of any two fomarithoms is the lagitithom of the guthent of
 logarithm of the conrespombing momber ratiatel to
 logaritha of e.if $\left(=16^{\circ}\right)$, atnl at mbmoltiphe of at lasarithim in the logarithme of tha ronreopomding font of ita mbmber. In this way, with anmploter
 atithors, aldition is made (or tithe the platere wit
 tion of imsolation, atal disi-jon of evolutinn.

 by interpodatimy a sot of mesins hetworn the serobal






 arithon is 1 .
'Tlow idea of making mas of retion in this way

 soheme ; hat ly the ernd of the lith cantary trien monetrical orerations hat heormat me romplicateral that the wits of several mathomaticiath ware al work to devise means of forteming thom. 'I'he' real incontion of logarithan is mow anisurally
 (onn, who in leflt printed his C'enome Mercheles Leng writhmor"m. Jis talles only give lograrithms of sines, (oximes, and the other finctions of anmes : thay alon lahour mader the threse deferets of heiner shatetimen + and sometimes - of dererasing ats the contespmoling natural mumbers inelease, and of havinor for their radio (the number of whieh the Josurithm is l) the number whicla is the sume of $1+1+\frac{1}{1.2}+\frac{1}{1.2 .3}+$, $\mathbf{A} e$. In many calculationa, howswer, the latter is an advantage rather than a defert. These defects wiste however, soon remedied: John speidell in $16 t ?$ ammonded the tables in surl| at maner that the forarithms lereame all positim, and increased along with their worrespond inor matmal manters. He alro, in the viath alition of his work ( 1624 ), constructed it talle of Niphitr's
 (10 1000, with their ditherences and arthmetical complements. herides other improsements. Sbudid. ell's tahles are now linown as hymotolic loperathms. bint the gratent impromathat was made in 1615 ,
 substituted for Najier"s inembenient "ratin" the momber 10, and succeeded before his deatlin iot colating the logarithms of 30, mon natural mumbers to the new radix. lirigess axartions wore ably reconded : and hefore 1 fors the laciatithms of all tha
 ('omputers have since ehietly owojed thematres ratler in repreatady revising thes tablem atotady athondated than in extemdinir them.

Construmfon of Tellos.-The following is the ximplest methom of eomatmatimer a table of tomarithinm on Brigers's system. The loge of $10=1$; the loge of 100 (whith in twite componsmded of (0)
 of all pewerv of 10 rath les fommd in the sathe


 than the mumber repuired. Thus, fo timel tha long.
















 fritur mumln! atre fomal in the same wats as that
 ther addition of the logaritlims of thatir fantom:






## 1．0） 116




 ase thate of imblows．Lat $r$ repromat the ratix．！
 or，patting $1+\pi$ for $r,!=(1+\ldots)^{\prime}$ ：mil it is





 mbatutulforn tholl！$=1+1+\frac{1}{1.2}+\frac{1}{1.2 .3}+$

 $r=r^{\prime \prime}$ or $f^{\prime}$ is the logatritlm of $e$ to tha lave or
 value 口fif，we lawe laser（i．e．loge of $r$ to the liane
 bofore，buttime $1+$＂for $\because \log _{n}(1+\pi)=n-\pi^{2} / 2$ $+\pi^{1} 3$－Ne：：atries from which log．$(1+n)$
 if wr $w^{3} / 3$－dr．：ant，subtranting this expression from the formor，log．$(1+14)-\log (1-1)$ or low
 the salke of（omsenionce，pritting $(1 /+1) / 11$ fon $(1+w)(1-w)$ ，in whol eaにo＂$=1 /(\underline{2}+1)$ ，we


 ＋心．：If 1 he pht for un this fommata，tho Sapierian lagarithm of $\because$ is at one ohtainm to ans




 if ammbar can lat fomm，which，whern maltiplad into tho lagathan of at certain manher to one lager．

 logarithan th the lirat biane，prombe the comrempurd iner lomathm tor the other hase．＇Tha multiplien
 of Napiarian into common ur litionsis lumathans．



 amill that of Tom in 2 ，it folloms that all mandur between It and lor hatse for thair lagathome unty ＋in proner fration；in oflur words，the intonar pertion of the logatithas of all mamlere of two
 the logetithan of mambiris betwoen low atad low is 2 ，ithl，in ：





A－tho lominithan of 1 － 0 ，the lowarilame of






 tion i renhment to therimat，the mamber al finate





The tables most distimushed for aceuracy are the Freneh
 Bathare produced with the ind of his calenlating machane，


 Pryde．

Logeian．an ladian worl signfyings sth open
 in a favomite chans of bmilinge in ltaly and rether
 is ame of the diment examplas extant：imal the Laserite of the Vatie：an，which arp armallod pianages rombl the interion of the eomile of the balare， armamented witla heontifind paintinge aml arab．
 predmens．

Lodice may be most brioty dedined，in wemal－ mome with the etymology of the word，ato the
 is at midntilie aroomint of the laws whiela regulate the frasige in thonght from ane statement to amother，and whisla mont lie observed if the think． ing proces is to bu valid．The theory of every
 were incolntomad to thind porreotly lomer bufore
 and the promesses ly which thair rambts were ratchal．The atterition which sucrates devoted （0）the meanimes and justitioation of genemal names is aismationd he dristotle as the hegiminger of logi－
 who time elabmated the infer of the mopence，and Welimen its ephere hey seprating it from the motat－ physinal yumentions with whirh lariabl divenssions are always a－motated in his predecesors．The six


 first und ley the torice in the wille areme with which we ato familian．Sristothe himself passesevel no single natme for the seder of whirlo her was the fommer．

 pronent diy almunt without chather，amel with very fow ablitions of inmurtan＂o．lint，while the ealilice uf Ariatothe remains armitertomisally complete













 witner ；it ateal wnls with the form of the pron
 fato which ans pair of matims maty lan litted．It





 brasoion of the truth of thinion，lat an an minco of


 thall la consintont with tho lowimming．It is alparmat，then．that in ams masomiats process

is ctle if the pemine frome whish we stated wore troe. It ham arowitingly heen callad the logis of
 to he a logice of timeth. loure logic take it- material, as it were, remdy-mande from the hamb of eherema-
 tion. hemaning in the atriet luyal renne is, in

 in the fremises. Formal logic in thon in its monst
 sulprdinate mber, if the latw of identity and man-
 somere in clarifying the flometh of the imivihat. though, in a were, merely teathing him what he kimm-alrealy.

Fommal legio is matly trated amber the the e heads of Sotions. Julphenta, and heranings: or, if regard he had ta the verhal expresion of thangh, the Sotion, Jupmen, and leasoning appear respretively an lerm. F'ropmition, and sylomism. Though jure logie has strictly nothing to say alonit the fomation of peneral mames or the alopbasy of our motions, it is chstomary for logical writer for expmom mor the linst head the nature of speralisation and delinition-the proacone le whicl our hotions are formed and tented. The hudimment, lomever, mas he takem as the mit in logic. fur it is only in their relation as solyect and fredicate of a julsment that motions become sumptible of logical treatment. The combination of two jubment ( involving three notions), in such a hom that a third juldment ioderume from them,
 homadom. The whate is nut mblathonled. Therefore the whale is mot at find.' The variations of this fumbanental type of reasonims eomstitute the -cholatie doctrine of the mombs and figures of the Svollorim. As an alpmentix to this exprition of thi normal form- of inference there thllow: at discuscion of the difinpont clawes of fallacies to Which any beviation fom thom maty give rise. It is in this anect that lowic vindicater ite elame
 phics, logie is a nomative arienere that is to say

 statoments of what aluay hagren- but mber of What ought to be dons. 'Ilriciliatinetion eontain*

 in ....."atially a dixpute alont warlo.
 -imply a a pronex of compation and raviliation


 motion of logival quantits. Tha-sir W. Ihamilon



 the: promicate be than explieitly quatition, it is - Milathe that we mat -ubtitute for the mana the





 bern bown hy Veme to rat on a cmianion of viows. A -imilat line of thomeht las beet workoel



 ramblan thin; but hive inamations, an woll at

mathemation, an tather - wermon of the inmenty of thrim athors that tameripth of actual thameht promemes. 'Fhay shas me sishe of tahing their plade as a permane ont addition to lugial domerime. The same may lee sald of lavom Nethom of
 reatherd the sam. remalt at lionla without the we
 ing all the powille combinations of the terms mentimed in the premises, and then porepolin: liy elimination of thase which violate the conditions there latid down, to bith thone combinatime which are combitent with our datat. . bevos apliou his pinciple in the invention of a homal
 oll with unnrint acenrady: fint where the forms are multiplied to any extent the operation is, of contor, cumbrom in the extrome.
liacon is commonly rearaled as the founder of Inductive Logic. In his Norum ormonum he jut himself at the heal of the revolt against the achulatid logie which marked the men of the limais. sance, and, thats his own alyreliension of arientilie methoul was eravely lefective. his eloguence and his mosition male him the most inthential prophet of the romentice nowement which taliberand ither had initiated. In joint of faet lie came to supplament the who, not th suppreple it ; hat he allowed live dislike of the abmes of the Aristotelian Josic to cary him away into imbintiminate demm(dation. Bacon's animus is perhapis excusable as the feal of the reformer ; and it may he sranted that in the Mistotelian lagi- as in Greek philo. ooply genemally, there is a tembiney to let the stmly if wombe nomp the place of the investigation of facts. The midlle agos had exas, tenkenes hathitually asoming the distinetimes existing among things to he correctly and alleguatoly rembered las tratitional names. leymod this. Bawn's diatribes aqainst 'syllogism' betray a mivaprelun-im of the real funetion of fommil logic, which, as has heen seen, makes mo premsions 10 he an instrment of rientitie diseosery. Induetive theary has received many develogments since the thme of bacon, notally at the hands of J. S. Mill. The progress of science has made it easier to formulate itc mothods and to determine the combitiom of ralid miontitie prof. It is sumbcient here to point ont that, whereas in fomat ur dednetive logic, paroming proeds from a whole to the partionlats includeal mader that whole, wo reem in indurtion logir tor rise in reflance on the unifomity of nature, from obervation of particulars to the remenciation of a maiseral propmi tion. The natme of the certainty which lelomgs to surh acientilie ermeralisitions i- ome of the sul, jento which the philonglyy of induetion hase to deal with. The profond inturat and value of the ese inventigations. when emmpared with the rigid fratmerk of symblols with which pure logie presemts 10s, maty is.ll lead mon to owerestimate the former at hat aprene of the latter. bint the 1 wo dimphins are contiolly distinct and the exant nes and remplife completomess of pume or formal logie will alwayn am-titute it a valuable educatimal inst moment.

Bhbleribapmy. - The handiest clementary manals of logie are tha- by dexne and lowher- Jevins blement

 bowh, and kishas Formel Louic, which is somewhat more alvane bong latger treatson in linghon of comparatively re cont date may be mentume ol Widrs Lemic,





lomen of the Lates of Thomoht, Faynes's Jeke tuelutic of
 Yennes simmolec Lomit, and the works of 1 be Morgar and lande deal with propused developments of logic on alge hraic lines. There is an elaborate history of logie by l'rantl in (feman; ant the works of Trendelentore in Girman and of Hamilton and Mansel in Englinh are also valuable in this connection.
 a letter' is simply a complic:ated or maltiplien form of the Anariam (f.v.), where the bumfe. monerer, insteal of "ontenting himmelf with the fommation of at single new word or sentence out of the old by the transmosition of the Jotters, rames his brain to diseover all the work that maty he ex tracted from the whale or from any jurtion of the letters, ind throws the whole into a series of veres in which synonymit expressions for these worls must be used. The puazle lies in ase ettaining what the concealed words ares, and, thromst them, what is the primary word ont of which they have all been extracted. A precimen is arisen in Ilenny B .
 out of the word "curtains," holess thanninety three stmaller ones are fammed.

Logos (dir., 'word, and also'reason, 'torrespond iner in Latin to losth oretios and retion is a term that has phayed an important pillt in philosophical and theologrical speculation, lomg ere the • Word of
 tied with the secoml person of the Christian Trinity. 'l'he notion of a certain self-manifestation or revelit. tion of the Gobllean, stanling in mome wat bet ween the infinite imd the linite, hits from time immemorial leen the poperty of the whole Eant. With the Stuies the Lemos is the ative primerple living in and determining the world (see STomes). 'lhe aperyphat writere of the old 'restament personify
 it the functionso of at lagos. In the Tingmans. Wintre, 'Word,' is constantly Bed instoul of fiod or delo.
 I'Hin,o) the Locros is thr llivine leason, the l'ower of all I'owers, the Spirit of fool. The doctrine of the Logos mathen its inllest development in st dahns foryel, where it is the Word of fiol incar.

 Spaninh province, on the Elomo ti.5 miles EA. by N. of Burgos. It hat manufartures of wosllens, machinery, and loather enwels. 1 'up, $13,303$.

Doswodsh, the layk red heart-word of themer
 Legmminosar. "llhis ifer, which is a mative of Wexion end centmal Smeriata, and haw heen mathe.
 a heriont of 20 to .00 feet. The trem is gemerally felled whon atmont ten yoins ohl, and the samond heinur worthlase is heweal all' with the lark. 'I'he heart-womb is shingly heavier than water, hatra, and eloseroraned. It has a slight sumell revenlimer that of violdets, is astrimgent, aml hats a swoettial


 alkaline salation in the presence of oxymen (aia)

 aromod or rasped logwomel is monatened aind mate " 5 : into heaph or lityors in a monerately wamm phee, where, thmal ixar at intrwals, it malerern fermentation, ammonial lering one of the poodnetm of the groeres. 'Theresolt is that hamatovylin is lirst formed athl aftorwards hamatoin, arystals of
 lastre, "wat the phrticlen bif woml. The harmatorin


of logwool atso are mande for "feing purposes. Laxwood, althound itwelf ditk red, hoes not prodnce red endouts cither alote of with any of the ordinary mordants in ume for it. shades of purper blate, lateuder, Irals, and orray are obtamed from it with shitable mordants, lint bone of these are permanent. Its most impertant alpylieation is for dyeing lolack

 wosod is sometimes wiven in cases of ehronie diarrhorat. The introbluction of ead-tar colours has not ats yet materiady diminished the nse of horwood as at ureing sulstance, is the puantity sent to Great Britain in lsss ( 62,306 ton- valuan at E366, 131)
 yeas earlier.

Dohenorifin, the hero of an old lligh (iemman poem. witten in the end of tha lath century. Ile Wate tho son of larzival, and it knight of the tirail. At King Arthur's emmmand le was taken ly a swan throngh the air to Mainz, where be fonght for Elsa, danghter of the lobe of lirabant, overthrew her persecutor, and married the lady. Then lie ateompanited the emperor for light against the
 saracens. On his return home to (obogne, Elan, eontrary to his prohihition, perometed in asking him abont his migin. After heimer asked a thind time he told lier, hout was at the same time carried away hy the swan lack to thes limil. Riiekert's edition (is.on) of the prem is the lust. 'The prem is a cuntinnation of Wolfram (9.․) von Exchenharh's Patzioul. Whaner mate it the subject of his great ojera, Loblemeth (184s).

Latio. See formatiok.
Loires (anc. Ligor), the longest river in France, hats itw ronmee in the ('exemines, in the department of Ardethe, at ath elovation of 4.511 feet, flows in it north amd north western lireetion thromerh the rentre of France as far as orbans, where it lients romme to the south-west and rontinnes un to 'Fours ; thenee it follows, in genemal, a westem eomrse to its embemelare in the biaf of biscaty. It is ticlal tu Ninter (भ.v.), 35 miles from its musuth. Entire lenarth, 620 miles. It lecomes naviorilula a litte athore liname, jino miles from the sua. At and time the depth of the water at its month wats le? feet at nhetisle : now it is only abont by font. ' Phis is due to the vast quantity of salimontary matier the river brings down with it. 'To the *ante eanse are dine the mameroms ishands thist olostmet its fower course and the samblbonks that lio athwart its month. 'The Loige is notorions for the destruttive immalations it rimas, although the lower part of its course is potected lay lidge dylies or leofs, e0 fort high. The primeipil tributaries are the Niévre and the Datae (which is formerl her the Nathe, its atlluent 1 hae Lair, atad tha Wavente) an the right: ame the Allier, Cher, Imale, and Vienue, on the left. The laite is camalised alome donsiderahle streteles of its romsse, and is commered with the some, the simue, and the harloom of lirest hy ramals. Its valley is extremely fortile. Ireatof dabuare batin,
 ivty one ilhatrations ly Tumer (new ell. Iss 6 ).
 fommery pat of the powine of lyontatio athel the comaty of forme, emmprises the arrondissemente of Monthrisom, litamme, and st Eitemon, with st
 (1572) 500.611: (1s:9) (ilt, wat. I'lue bisin of the Loine in this departmont is a rather mofroitful valley but the monntans yield irom and lead, and "the costhembs atre the richest in france. sonte 17,000 miners are emploved in the extraction
 thu irsi intustrien, $1=3,000$ in the silk, anel 5500
 paper. leather, Ne are likewion mannatumed. Wine fruit, forder, and bertatoses are the principal agricultural product-. Timbre and turgutine are giented by the pine womb. Mineral -pringa aboud. as at st Galmier. St Allath. Ar:

Loire. ll yTE, a dmathont of mentral France. formed out of the former proving of Langodare, the duchy of Anerene. and the distrint of Foreh. and lounled on the sonth hy Lazire and Ardeche The Loire erosses it mome northwards, the - Illies

 a flatean, deeply thamed ly risercourses: it
 rise in praks and alomme no to inis feet above seatevel (Xoment llzene In spite of the mugenerons nature of the wil. asriculture is the ehiof ealliner of the inhahitants. But ahout 120.000 perons dind emplownent at lame in making lace from wool. entthi, thas, silk, roll, and silver. Some thonsambs of the inhahitants leave theit homes for a timp every ypar. to work in other partof France. foal and haldinerone are worken
 lorioute; the eapital. la Pas.

Loire-Inferienres a matime depatment in the wee of France. firmod ont of the sonthern furtion of the ald prowine of lifittany. and compriving the armalionment- of Nantas. Ancenis. Pambuenf, Chatmandiat, and sit Nazaire. with Ninte, fur its capital. Area, 26.54 m. me mop. (1-2.2) 602.206: (1891) 64.0.263. It has a cuart line of Te milas. "lly loire. Howing westwarts, intursects it and forme a wide mumary the Vilane skirts it - north-wet lumblary. In the south of the dobartment lies the lake of drand Lien, of at m. in extent. The interime is an the whole that. and the suil fertile, proming wereals, butatwes, heet. ront, hemp, and finditer, thes are kept. There are fine oak ant fine formots. falt marshes atre numerom- alobe the shore. The vineyards yieli annually atwat 30 million gallons of wine, and the orcharel oome $4 \frac{1}{2}$ million gallons of ciler. firanite, slate. and limestome ara parnien. The industrial extablidhment-inclute ironworks. surarrelimeries, ylas-works, fiuthrise for timning frato and sardines. $\mathbb{d}$. St Nazaire lat grown into an inportant seaport, having takern the Hace formenly oecuphed by Nates. Shifhilitus is carried on at Nantos. The roat-liahrim and reneral expurt trale are extencive.

Loiret a department if emtral France, formol out of the old provinem of ortamais and berri, and



 mont bart an elevated, fortile plain, primbeing tam




 prineital imluntrial prmanti.









 wine, heetront. athl timhor. Finh, palloy, ami


Lojat, a decation tana of spain, on the dianil. 32 mila hy rail II. of dianada. It aftered severely


Lokerent at thwn of latuma, 11 mile ly mat NE. ni Ghent, with mandacmen ui limen, cittm,


 Ite did mot helons to the race of the fire, lat hat
 and be is posecoed of surat knowledte and cunaines.
 which, howerer. he aqain extriate them. Henoe he is 10 he remarded as the primeiple of strife and
 'spinit if Euil, as it were, mingling freely with, yot exsentially oppocel tw, the athor inhatiants if the Fome heatem, way muela like the Satan of the bomk of loh. liy hit artul malice he cansed
 MyTumbary

Lokimatl. the monted anther of a mertain momber of Aralic fahber who pives a tite to a siere of the Korme. Ile is sarimaly said to have luen a Shlian save contempory with lavid. and the som of Iuhssi-ter or dancliter: limt whers again follow M. Werenhourg (Fufless hic Lonmain le sirge. s.an) in identifying bim with Balam. Inoth nanes
 that the fille attrilintoll to hiv name are late and of Grenk migin. See The Thunsum Nights and " Night, Lielly lurtons edition, vi. 1י 2060.

Lolinhi. See Dindel, and Ryemrass.
Lollards. a name tiven to the followiss of Wvelif. $\quad$ sellortus was a Latinised furm of the old butch lellemer, lit+wally 'a singer of fathes. a ternu which lad heen ayplied to a woet in Brahant akin to the Fraticelli amblamards: lut in Englinh nsaye it was commanled with the native word bilter. 'a lazy fellow.' Wyelif's bible had mplied England with the phraseolory and the semimal ideas of a juphlar thenlogy, and
 relicion frarleoly throwhont the land. Wand I niberity wa- a stongholl of the new doctrin's, whith weje mant wiblely onath in tho dintrict he tween the Thames and the 'Trent. 'The Lathats' petition to parliament in 139.0.ontainet the famons twelve Comelusions against temporal ponessions of the churdh: the ordination of mufit prients, the celibaty of the dergy, aml all vow: of dastity: exoriom, and hersing of inanimate ohjects: tram--nhotantiatim, the holling of sombar alliees las

 canital jumishment, and ond trabers av instered luxury, like thone of the soblatetith and the

 matriage a mere rivil ombtrat. Tha cormphaso

 they hat obtation andmons inthence. 'Theres is
 the bataht rmolt of $13 \times 1$. Its J"Mulatrily was
 it- athorma foll ad madly mular llemry 11.

 aml Willian Satre at Noriolk piow, was lamad








 the whemre attompual rising near Jombon, which sent forty Lallames to their damon and powed tha death-hois of the canse, hot it was mot till four vars latery that foleastle himadi was apporal and put todeath. Whrine the carly yaus of llanry
 amid $1 l_{14}$ eastem commaties, :and some imilivilats
 the gowernment eramal tolo strman changh for any-
 hesupposed, betane the perserntion ceaved, that the opinions had died ont. After the areension of llemer VII. tha berecotion was renewal, and hemofor
 callabl the 'known-men on "ust-fast men, matrying only amoner themselves, amd instmeted by itmerant
 and Suwhory are moted as stromghols. From the
 the rising lrontestantiom, lnit it is worth notines that most of the Datian martys came from loblaril
 ingresplosers stamory in Juritamion. Lollandiam minle ite way into heoblame in the linh rentma, and

 In $1+144$ thinty geram- helomging to the district uf
 person, and dimmisad with at contion to adhurn to
 clamely the relipions anrest of its time: hat the

 as at Jallant.





 as har fles them. Thane wew (l) hat (laristian











 Thor for belf-rlasion and emor.



 the fromtions of ('libu and Tihut, mainl in Sea. clawan :nul Y'un nam.















crature : the thind of the incarnation, realempion, amd the sirtues ; the fometh of the sewens sumaments
 was dededed hy sumb in Peter's terembing, and the thonherical doctors of laris in 1300 denemmed it in sivtarly fobmitions culled from his witings. leter Lambardes work was the suldied of many commentaries down to the time of the liofomation. Ilis witings were elited by Aeanme (Lonvain, 1546 ).
Lombind Ar-hiterture is the syle which
 eolomists of the mond of ltaly, from alomet the age of ('latrlemaghe till it was superseded by the improtation of the lounted stye from Franee in the hegimming of tho 18th contmy. The arohitmothre of the Lombards waAreriver from the delmaed Roman style whicl they found in the comoter the wemetal blan of the chume hes and the fomm of the pillars, arehers.


Fig. 1 . © © . heines almost inlentional
 dotail, limman traditums are almost entirely ahomfomal, amd instead of the delitsed acanthas leaves
 adopted a freer imitation of nataral forms in their
 sentations of the lights :mu? lmonting-expeditimes in whinh they mbighted. The moth of laty belomgal al the fimm of ('harlolnabine to that weat (ipmonn rompire, and thawe lime woarly the stlom tọle al arehiterontre in Lamb:nds and in (ind many :s fiar morth as the Baltic bee limexind
 marly rxamplen wi Lam hama architecture exist. In the umaly times when thas at: le migimatal, the buiblines wate no doult frequently destroyed by lire: thic seralle in have bed to the dresime to ereret fitumont stractures, :mal thas the eirliag at well as abmond all blar later
 stome. 'Ilat ratiest ex. ample is at small rhap.. at firimli, lmilt pobmaly. damine lhe stla contury, and it is cownod with an intersoting vanlt. Es. :ampless of this diate anco rater in ltaly: lat in switzerlaml, where the styor is almast iolvontional.
 Hums of varly arlitur thre remain, anch is tha - Marehes of lismata-
 de. We there dimat the
 Chamatoristib at loma.
 1), ibml we vill trace tha timill steple which the


Jig. : 2.
Jlith of ther athedral of Novara.




ing forms of the sty. The 'Thes, the pann, remme pilhars. with a simple hase and eapital, which serverl to suphort the sibwewalls amb romi uf at




 arom of that principho which was atomwatsk de
 also intradureal for the lirst time althomen with -miall poojectinn.

The vathedral wi Nomara is onm of the must atrikinte exampers of lambard atrelatectare. It
 is deriven fronn tha uht habiliean type. havines at


 with satultol rowi, and terminateal with ath : choir. At the thal of the atrimm urbmita the chmelh is sitmaterd the brptinters: The mans


Fise is. meneral atrangemont of fatn was rommmon in the diemman ehmoders, where the atrima was abmetimes at a later perjond ration wher amd fachated in the nave, and thas hapti-tery changed into the westem atree of the domble apined chmmeno.
sian Vichele at liavia and Sian Amhungia at Milan are also Enoml "inly examplos of thin style. In looth the :rompingr of the pier inta vaulting shatio. wall.
 combleta. ind that lexatiful fortumo of the style the areande round the apre (hige 3). in fully debelnpud. 'T"he atrimm ame west fromt of
 Lombard arditewtum.
 were called he the latin writers Lamenbardi ar.
 ditlerently derival hy dilliarent anthoritios. Saner
 a river, bende beiner used in that simmilisation in




 the dawn of the c "larimian erit. In the iworantarios that followed they comer mare thath ome inta

















 luman to ehanger its. Irian ditith for the ('ithorlis.
 were distugaishod abome most of their fermanio Drethere for their lieree losm of wat and their male mantors. lbit in ltaly the! sumb fill mater


 lnerame aswimilated with the latians. Kinur

 Writter, howerel, in Latin-I Iofos Lompedmedorrem. Lintramal, king from 712 to $7+4$, mate an man

 the Frambin to his ansistance. charlomagne in $7+$ warthrew the Lambatid lynasty, and hat himself rommed kinge of ther Framkumat the Lomblatis: amd thanceforwam the lambards were entitely mereral in the ltalians. The maly traces extant of




The' 'I. ombombs in E'm! lomi.- In the 131h fenmay Italian merehants from laneat feren as
 and at a hater late fomm limice and (innos alst, viutiol Enslamb for purpuses of trable. They came wigmally to eoblect the tiace and dues payable to the prope, which they tranmited in farare pratt in thas shaper of worl. 'Thay also thated

 as the rifht to fan fle eartomm and to comblact the transtetions un exehange. 'Ihar merehants of libor ence, fur instance had bramehes at linstom, Iynn, aml Northampona, as well as at Vamdm, and






 dhats. The duw evell tmok alsantage of the finomatha pasition of the ltalians: many of them

 mevchants, the matne ly whidh there ltalians wern











 cusard monher ltas. It hintory hesems with the














libertios. forminer themedras into stromer leagmes, which were purarinl mbugh tor ront the pabrers in pitched hattron. bint, frepel from threatoming
 and tha romintry was for many years mome ar hes dintracted hintarnal discensions. Sfer the death ( $144^{5}$ ) of the lant dabe of Milan, Whome ancestor,
 neaty all Lombardy in 1887 , the comatry was mata all objere of contention between the king of framee amd the pmberor. The last named laving for the bottor in the eontest. Sombamy pased thromerh
 1713. whon the darhies of Jilan and Nantuat came into the hatuls of Snstria. Nipuleon madre it pat of the ( ixalpine repmbie, the 'landandane repmbine. and the kimemon of laty snecersively. But in lsf it was restored to Anstria, aml associated with the newly amplired Venetian territors. In 1589 Lam-
 povinces of lerramo, lipeseis, (iomo, ('remona, Hantma, Wilan, Jowia, and sondrio. siee llodge kis. Itrely fond hor Incedtos (vols. v. and vi.): W. K. Wiltians, The Communes of Lomberoly (189]).

## Lamblak. Seesixua IsLaxis.

Lambrosa, See Cramixhofis.
 in Jumbarton aml stirling shimes. liese 23 feret alowe

 is stadded with thirty whomed istamds: remivos the

 tains tront, pike, and pereh; is mometimes frozen wore as fall mothward ats Lase ; and is morirt ly hills :and, towamds its head, Highlamd mommatas, the hishast of whinh, lien lomond (y.v.), attains 310\% foet. In 1003 Norsemen lanched thoir grallesys on Lorly lamond, haviner drawn them acroms the
 of old at momery : and a cave is asombated with both limer and liobliog.

Lontzat, thr rapital of a rovermment in lonamd, 80 miles Ne. of Warsaw, was formerly one of the most important citise of the eomotry, but is now of somondary rank only. lop. 15, ohno.

London is situated on the nowth or left bank of the Thames, ahont (on miles from the sea, in $5130^{\prime} 4 x^{\prime \prime}$ N. lat. and $\pi^{\prime} 4 N^{\prime \prime} 10$. lomg. It may he romboned the capital of the British empire but the Wonses of farliamment and the oflices of eromernment arre in the adjoininge city of Wextminster. The Thames at Lombon bridure is abont 900 feet wille, being much wider hoth athowe and below, 'Thiss fact probably aneonats for the orisimal fommation of the "its which, accombine to many anthorities, turk place in 43 A. I.. When Antns Plantins was the limman moveror of britain. The name is cirlic, amil womlil apear to signity a fort on a latio ar
 whioh rovered all the low-lying land on which Leathrothtur, Nrwington, Sumbwark, ami Lambedh
 ford aromotheriver wan at Wratminstary, where it way widest (mame than lemo foret), and that hy the


 throung 'rothill libeloks to Westminatere, where
 Huber road tarmod dastwaid at what we vall the
 throngh the aty, romed bey the binidare and was
 the whathows, thas -itos of whillo arestill marked ley


 tury, to make way for the evtomion of st l'anls rathealral, and now no lomger leatu in the dirmation of Nowerite.

Dhrime the greater part of the lioman oceupation of Britain Lomolon consisted of two forts, one at ritior ral of the hridge: and l'tolemy. the geoaripher, pats lomson in Cantinm, where, amb not on the left bank, it is very possible bue largest of these forts may have stood. The muwalled submrls sem to have been jopmons and wealthy from an caty perion : and, when alomuloned by
 They were still mulefented in 2 sif amd tha subsefuent foras, when the rebel maperors, farmands and Sllectus, hold both sithe of the chammel, making (lancentum (Bitterme, neal sumthampton) their hemlguarters in Britain. Iselopiobotns, the grameal of Constantins, defoated Alloctus in the neightombond of London, and umbor one of the Constantines the place began to he lowsed uron with favour and to lne extensiwaly fortidied. Tho wall which for so many everturies was 1festimel to defend the bombaries of the city was built lotween 350 amb 369 , and enelosed at spate which has heen compmed at 350 meres. In this Koman wall there was a gate due north of the hribres in what is now Camomila Street, aml anothor at the spot at which the Wrathing street, (romsing the Fleet or Hollmme took its course tomards Tybmon. The new rity was defemled on the abl hy thr Lea and its estensive marshes, and on the wost hy the Fleet, whose waters were tidad as far m, ix what we call Kines (ross. I'raversine the midule of the city was the narrow stream of the Wallhook, with the harbour of Downate at its conthence with the 'Thames, mal from tha mamins which hater been diseovered it is probalug that the ehorf limman fort, lefore the haihling of the outer wall, was on the east or left bank of the Wiallhomk, and extembed far enoush eastwand to ewser the apmoaches to the bridgas Somer hations of perntiar strength where the wall reacheal the Thames on the site of the 'Tower saro rise to the meslieval trabition that the 'Tower of Jundon was huilt hy Julius ('iesar. J'rom 369 till 41: Somdon was reckoned the eapital of liritain, amb rimoved the title of $A$ uthusto. Dfter the lioman liparture Lamdon disapymars from history motil 45\%, when the liritums, Ilewing hefore the vietorioms Hengest, took refuge lelimel the Fioman wall. llow far it avaled them for bebence we know not. Jombon does mot andin emorre from fonplote oblsourity for atmont a contury and a half, hat in diat we fiml it mameal as thar " Metropolis. i.t. theneremiantian capital-of the Latat saxoms. Mellitus was aplisinted hist hishop, hint the Naxons somb $\cdot x$ pelled lim, and Cloristianity did mot make mome wity with them matil bilhelluert, king of Kent, the ower-loml of the liast saxom kiter, took the mater in hanci. A little later we hear for the
 was evidently a place of lat small importance, apart from its brilere, ats the sanom pretrred to light without walls, aud as no dombther koman refonees lad berome greatly dibajidated. It lemeth during the banish wats ther luedane completoly rainoms, and Lombon was abrmboned and hay drablate darime the lomer priad ot thirty years, the lientinne of a whole erenmation.

Ton kimer Alfred we monst lowk an the read foumer of moneron landon. Ile saw far prosilitities of the plane as a holwark aratust the bances and, rapairiner the wall amb mates, mate the place asain habitabile. Thare is a tradition that hat apecially. relmilt and stronsthenod a womh on thr site of the
 followal hiv reign, the kitgrolon of atome of his

 they mards a canal round somthwark，sumb half rowim．half dragered their shipe to Wiotminstar． Indonbtadly the settlement made in Lomdon， whether by dlired or he ane uf his immediate suecessors，formed the ferm of the sulberelent mbnicipsh grovernment．Atbelstan is ofter pminted to as the king who chitelly restoren lambon，and， as we have nothing mas，trialition mast heremined with some raspert．The lamath limes of road and the gates were ahomdoned．Nows eftes at dillegs－ gate，Newgate．and linhoprate wera monstructed． and josterns sateln to have laen upened at Laderate （A．S．Leldgent．＂a praterri）．＇ripplegrate（A．S． Cremelgat．＂a＂overed way＂），and pomibly at what was afterward，Mborgate．＂There were two great market－places．whe nam the wentem qate．in which the foblemote wiss held，and where stomd the chareh of St Panl；and the otber in Fant（heap，of which the only modern remains are Leadenhall Market ind the lish－marker at billingrate．The What Cheap was bordered by the himhwar atill ualled charapide． which lad from＂ombill，the northern extremity of the Fast Cheap，by a hridge over the Wallbrook to the Westrata．now Newarate．There were mans pmpty spaces within the circuit of the walls，andi， if we may juine low the comparative size of the losal divisoms，the first settlers ebome the shores of the Thames and the lines of the two ereat roals for their labistations．It is pery probable that ecclesiastically the city was divided into three freat prarishes：one，of which st l＇anl＇s was the fharch，to the westward；a second，of which sit Mary Aldermary was the chmreh，in the centre； and a third，posibly dedicated to All Silints，or All Hallows，in the east．

The municipal govermment liefore the Norman comquest was not very complicated in form，and may be comparmd to that of a connty elsewhere in England．The lords of manore in the city were reprosented by aldumen of wamls，and the ward division is the odden with which we are arfuainted．Every magnate had his ward：and the government was carried on ly the hishop who was alderman of the ward about sit l＇anl＇s． and the portreeve who had the lortanom ontsiole the city to the eazt．It is not pasy to unrasel the knot presented to us ly the names we moet with in ohd records of ioty btricials in and lofere the Ifth century．A suild，compused elifety or wholly of aldermen，wa，perbap－．under the mames uf Kinighten rimild．the roverniner body：lout thin in he nomeans certain．nor is the triulition that king
 ＂xistell：its memhers trammitten thrir rishto to thar some，and ther mas of maty not lative Precomo the eroverniner grilil of the rity．Tho kiners reeve． or burt－repue－prot problably denotes at market
 ame the aldormen of wath had many amb extonde


 afturwarik＊＂parated．11＊wis mboblaritain or





 rights of lamion in at unecial ehartor les which the

 mom impertant fintit irom the＂rown was that of

 fal attempt to saige ther rawho allowerd them，
anmag other thins－（1）the right to elect therir own
 at an ammal rent，with powner to apposint athritl uf that emanty．＇lohese petramomary grants，with that of leave to hunt in the nejorhbortonod of Lomdon，are so unlike what we domble expert from a Noman king，that some have hoon tempted to -1 pןpase that they were all remewals of priviloces enjoyed muder the saxon kines，and thome is much Mansihility in this view，lont their remonition led wepotmally to the establishment of the mayer． ＇The sherills of London and sherifl of Windlesess were no longer＇bigh＇sherills：they were the nominees and depmoties of the whole forly of the ritizens．A at W＂inchester，and somenther placen． the mayor does nut seem to have received any roval acknowledement dimines his first veare of whice；but the late 1189 is generally assimped ans that of the tirst year of Honry the son of dilwin， an alderman of ohld family．Theres semom to he a question whether this dilwin is to lue alentified with a citizen of that name who in llos，with all bis brethren of the kingrten（inill．liecame canons nif the priory of lloly Trinity at the mwly apened Herate（now cormutly called Aldgate），and con－ ferred，with the kingris leave，the title of an abler－ man（of the ward of lontsoken）on their prior， Vorman．fe this nu it may，the necemsitios of the kingdom，and the ditliculties commequent on the payment of the ransom of Richard l．，most be taken as canses for the recngnition of the new whef－ magistrate：amd down to omr own dily，when （Lural fiovermment Act．liss ）this ancient ancom was abolished，the citizens eloctid ammally，on Midsummer Day，two sheritis for the city，ane of whom was sherifl also of Didelleses on illernate days．They are now rected for the city only They enter an their otlice on Wiehaelmas lay，and the ditizen then proceed to choose the Lord Mayor． Lacrally any citizen is oligible for the mayralty， hut for many qenerations the senior alderman who his not passed the chair is chosen．

This may be the most convenjent place in which to name the chaf municipal otlicers．The mayor， whor haz leen called • Lomd Miyor＇from time immemorial，is lred to rank as an earl，bort within the rity lamolaries next ta the swereign．In commisaions of gyer and Terminer lis name pre－ colles pern that of the lamd Chaneollor，and sime the reign of Edward IlI．be has sitt as a judine． At lirst the Lord Mayor was a rempentative of the city in the flonse of 1 ＇ommons，and lae－till takes a seat at the openiner of parliament on the ministerial bench．Ile attermis at thas law（＇murte to he swom in on the the Vovemher，and holds ntlice for a year．He is in the city in the fosition uf the Lurd－lientemant of a commty amb it comm－ mission of liemtenany is isumed to him and the manistrates he may jominate．＇The＇hamberlam is the rity treasmor．The ofliee was separatol from that of mavor wher the maynaty was tempmarily sulersealed in the geinn of lialwaid 1 ．He is the
 ＂proial charge of apprentiono．Dle is ammally re－








 the wari of brilero withont．or the horomeh of somblask．＇I＇be others are rloutod hy the rity wasd．


warls to take council with the aklemen. 'There ate tow em; rommon rombeillors.
The ('ommon llall ronsists maly of members of the livery fompanips, and hat obtamen on Hsurped matiy of the rights of the whone honly of ritizens. An ate passent in 1725 remblateo almisciun to the fatachise of the eity thmorn the
 apprebemsinn, as the let of 147.5 which it was
 existed. Admi-mint to the aitirnnohip combld be obtained be applicition to the llastinge Count,
 comse, being the easiest, hecame nanat, and su Wats :
'Ilow lantinms, a mating of the whale buly of the reitizans, was ratled in ather pities l'ortmannimote, :und wats an :asmblyly moler covar, as distinounhed from the lolkmote hedd at lirst in the
 and aflerwands in simithtichl.
'Ilay erowth of this maniop bality was slows. It first the right of the ahlermen pasinsom of hareditary jurimiliction interferal with its progress : hat ly deneres all thr warls were abla to aleot their aldermen. The intorference of the rown also Ematly wotaden the prosperity of the eity. Nevor thelsas, rommere increased, auml thas sothement of such forem merelants ats thase of the somendrod Steelyari, and of the Lombard and other latian bankime. ramed lamdon by the time bif Ealwand 111. to : worlthy amd prisiorons romilion. In realing a dotaled history it is alserved that whak
 mater it strong government romblemor was re stored amb copital was sate flemy Ill. Wis romstantly at fual with the ritizens. whom lue
 tank of deating with the dimoner he hath created.
 rhanithas, 'towh the rity into hiv own hands, ami hiv ministera, Sambich and Rotom, goveminer libu matyors, with thas helpe of the atheplom and the: fommon combeil, bomeht evorything into orime In lesto thay axpelled tha olews. Dfors bwatr satur the matomaty was pestored. Itwoy
 content in the rity, the wreat horly of the eitizans athroing to the praty of the queen. lnder
 were granted to the mayore aml the fremeh wats
 a reaction emsimed, and moltar the weak wowemment of lideland II. thinge lid mot impores. The nsurpatiom, is many lecemed it, of llamy IV. romblam hally has surereded had it not bexen for the sumpert of the rity ; and Ilemry V., whome Franch vielorias inllated trade, was mast propala With the eitizets, llempeV. Was malble tw

 of Anjon, fablime to gata the combleme of lambon, whas impertanme to the Lameastrian vanay the did not lsmow, eontrived to divert the wadel of




 Athmarth the setther enwormment of llamy VII. t"mberl ont the whale the the mationation of the rity, his romtimal vanotions aml the lorivy time


 matime wre wames welumand in Lamlon, wher"


uf the king in the suppresion of the religious lamses and the condianation of thair endowments was a pophlar measure. 'The further supprossion of milds umder his surcessor lad to a ponsiderable change in the feeling of the ritizens, many of whom, hat for the relingom furserntion met fonem Jary, wonld have Inen bery willing to rotum to the ohl faith.

The mailds had for erentmier heren an intergal biat of the sorial lift of the ritizens. The maniripal frilat, wh what wa know of it, has abrealy leen mentioned. At an araly prabl aftar the Comquest we hear of "trale irnilals,' that is, of combinations of mon of onn alling for religious and other furpmees. The many attempto mate of late to distimgnish lnetween triuld guilals and

 guilas ts well. As time went om the governing body nexasionally fomel it romernient to comsinlt : tatule wala on the requation of thoir particular bunimes. This wat apacially the rime moter such
 mate an ombeavon to rmal evory eitizen moler the bamer of a guibloi his trate, and to fommate rults for tith . Thomgh he fated, lije ide:ts towk root; and in a few rears many of the exilals oltained royal charters foming them into companies. able to luhl lands, and in sonme ramos, as that of the maldsmithe amd that of the lishmonerers, to reme fate the rombluct of their resuertive trailes. 'l'he ohl gnilds were thas generally morged in the companios whome governing horlites ated as thesters of the fumbs of the guitds. There wat problathy $\therefore$ gonal leal of comfusiom hetworn the grila profיrty and the companios proprory, lont for the mont part that of the guide ronld las distinguishad,
 ate which condiscater! thase fumbsmande, of eomise, a profomd impression no tho rits. Sme companies were wholly mined, having perlapes mo fumls hut thase whinh might he ablined to at "sulabable use: and othres, more prosproms, fomml it expedient, ind evon moressary to sell thoir rompany mates in moler lo hay the grailat
 panies which reworemel from this loway bow
 now extant altal with latge rhatritahilie funds and hobld lirge estates, (o) the great lumedit of their temant-ind thein belnsioners.

I maler Gown Elizaturth the work of the Reformation was emotuned and compleded. The history of the ehareh in Lombon was areatly complicated with that of the municipality. Vi, have reen thiat the lishop was an ahferman: hat at a very carly pertod, a perion in fard so early that no racom of its date sumbers the erelesitintical and lay alminintrations drifted apmat, ind the chareh hitil leas and less comern in the athats not stribtly
 ing that st J'and's was at tinct a parislo chureh, hat ledone lhe "and of the loth ramtary, perlaps as a consequrne of the wrat line of llab, the patochial artapements of the wholre eity were re:blyusterl, new barinhes were furmed and their lommatiox markid, amb at prat momber of new chmobes were hailt. The tean ame the lordly ramons of st Panls mo longer cated to bate the

 with si (imenory aml tit liath rlowely adjoining St l'and's, the come at the ratal vemb, the where at there wot. 'Tlow eamone of st Matin's huilt st Viahat , amd the friam of Nownate Streat st
 men imereased tho momber of eharelace as long as tho: comblatitin parivars to athale to them.

Whan land dialend for thi- purnure, thes fommed Chantries, some in it Pimls. .ombe in other mon antic and parochial charches. Sor domht the are

 restricting the maldiplication of whishers lat the
 furtion to the f"ymation, great comparatialy an that mut have ween: and, sinte claurchen bore limite rather an chapelo whem mane might the cele brated than for any other pornew the later P'uritan and l'rote-tant idea, that thes shmal ho
 to sermans, hat me inlluphe on their amentions.

 hame fombed by Fitwat lll.. amb ametime calleal Eastminstar. Wheh bueser Hombinel. the number of priondes molleses and hopital was immense. 'The Whiteriar hall a bage bome on the erouth sile oi Fleet stieet in floe seetem
 wentern comer of the rits. amb hath labe to divert the come of the wall botwen londente amb the Thanes. The eirpyfiare were within Nowerte. on the site now corplied lay Chiti-
 a rery ampart fommation for mans. which. in the later yatio of monticiom. having fallen int foras. was attached to Weatminter Ahbes
 oint the" wall. was the hatin Cimum low-e in Smithfield. Elins Spital was within "pipple gate. The An-an Friare lade ereat luilding
 own ind the entem whe of bithongate street The 'anem- of the Itoly Trinity him thate, and wonth of their limy was that of the fruthed
 lipions. hentas. and there were seteral minor frombations within the oity. The number of matprieste attemdine altar in st lablise ahme was reckomal at wer one lomatred : and the ereat pe-ti-
 where In the lith centary the tate of thime leveame an intalerahle implen, and rontemperar literather i- inll of complaint- I nfonthatels, in

 althoms one or two were nathen an wonlly of
 "yend a portion of An-in liviar and the mun


 fanlis was mutiaterl : the rampabile and the

 - pire er foret high, bey lite in loth, the whale

 Landon in atoother way. The aldition of onhurta
 the rime of ereleciatieal wata which eralually

 "My

 Formandationd fommionish. For the wathat there

 St Maresuet. Wintminaler, whish helongend to the alburs. Somthwark wat anmetel to the "ity in





 "anome of ot Pand's. the kinghte of at dohn hawl
 Camomary; the abluy of larking han Tyman, or the eastem half of the pari-h of at Dary libume: the knistuts of st boh had the wremon half, ir Whllaton: the abley of Wentaimater ownal Piddington and Weethourne: athl the aldury of Abinghon, Kimsington. Finally. the ablues uf Westminater beld chelona for a the. It will lom -ren that every extension of the fity juminiolion wan efliceted with great diflienlts, and the thents of the divisim of the monatio entates ly the Thor dunesty did not greatly benedit tho cits. Whinh in fact only whamed st barthomews Howital and the Grey Friars from lemy VIll, and Bridewell from bitwaral \1.
 -inderable imperto to Lomion taule. Iner befomation of the conimere wa- anly ond itom of ar settled
 he her father. now steped intw the blate previ.
 which was alouliblad at the instance of the ditans Gre-ham. The lant chatere of theen Elizalneth was grantod to the Eant India Company. The -ilk manufacture driven ont of llablet: in the rruebties of the sjaniarls. Was naturaliaid in Fimpland: and wen the bortwightel bulion of
 wowing enterprie of tho Lomblomels, whan the diverevy of America and of at watrater to Indiar stimalated to greater and eratar exemons.

While the weath ams permbation of Lambon thas incraved lariny the lith amb bare of the 17th century the city itople bexame leos and lan


 U-ft it namow street. and filthe allow. Tho santar: :mansements of the time of Filwarl I were acatedy anted to the nemb of tho time of

 -lan water to the city in ahmulat ymatity.

 bofme the Xew lisem wan made durally atal ahb: In the meantme the ritian were ower whehmed with one sreat mixartme after amother. datuen 1. had reverteal an far an hambla the mintaken juline of sath hings an Homry Ill and libelard II. : hint it was reaved for charles I.,

 in the Tumer. Lli-dewnifll Wam mortain when the

 in Lombon, ant 'romwell innmeal one hamiliation
 Watroly wolcomed, and it wat mainls ming to the




 all the Lompon handers at it how. 11 a naser afterward- wan able to win the condichone of the ritians. wh whan two ather dianas of men Freater whempare had ahaty comb the divat



 the "fritemin of bition then atil whon inter the


during the year at 97,306 . As the popmation was reckoned at abont 500.000 , it will he seen that nearly a fifth perished.
There hat also been many great fires, lme that of 16 bit axereded them all. It commenced on the

 acres of homses were destroved, fiftern city wards were comsmed utterly, ami eight others lamasel. compriving 400 streets, $1: 200$ private houses, ss rhurehes and it Paul's Gathedral, and $t$ "ity gates. The has in mere monay was extimated at about 4 million. It took hondon many yam to recoser from this terrible misfortnue. Sir Christopher Wren milt a new St Jaul's, and alson grave hest stephens, Wallbrook (mntil fsss. whon it was in great part ruined by the parochial anthorities), the chipf monment if his powers afine the eathedral, the sire of St Maryholhow in Choanide, and many other thrantifil hoildings, inchuling the Mommont, set up matar where the tire heran. This is a Tuscan borie fluted column 2 (oz feet high. Sit laul's has a dome 404 feet high and 145 feet in extermal diameter: the length of the bilding east and west is som form. Street, commenting on the superionty of st lanl; to St Peter's as an arelitectural componition, sats: 'The great mannitule of the latter may ytrike the vulgar eye with admiration in the contrast; hat the rudest taste must ippreciate the surpasing merit of the fomer in the form and arrangenent of the cupola and the moble peristyle' (see Thien). It contains many memorials, the frest of which are Wellington's, in the 'mastorial Court, on the emoth side of the nave, ly Steven- Lorl Mellommens by Maroshetti ; and a rechmbent ligure of teneral Gurton, ly boelun. In the appt are buried Lord
 Wellington (1s, ${ }^{2}$ ), Lamdeer (1873), and Wren himself (1723). The Exchane (9. 3 ) of Sir 'J'homas firenam was burned, rebuilt, and then burnal agan, and tinally rehuilt in 1 ste los Sir William Tite. The finidiall, partly of the 13 th "emtary, partly of the lath, which havl been the sene of so many historical events, was damaged in 1666, lmt not ilestroyed, and was handsomely restored tirst ly Jaman, an minent contemporary of Wren, and more recently be Sir Horace dones Among the churehes spared ly the fire is st bartholomew:s, in part, a fine Nomanstmoture: Sidiless, Criplegate, huilt Lith, in which John Milton (lmmin in Breal Street, 1 (Gos) was huried, $167 t$; St Ilelen's, Bishopsate, full of tine momments: St liatharin" tree, sith th have been designed ly lmigu domes, 1631: and it Andrew Tuderslaft, in which is Stow's monmment.

During the rent of the reign of chatles 11, and Hue whole af that of his sucveror, the eity ath the cont ware more or less at varimoer ; and in 1643 Tharles took Lombon, to nowe the ohl prame into his own hames. 'lhe Lord Mayor was depmomi, the chartor was mizent, and looth aldermen, and alow a sa-callad Land Mayor, in reality a warden, wore appointed loy the king. At tirst Itanes II, carriod on lis brothere protiey towaris the city. It the mows of the lanling of the l'rince of Orange the -harter was sent batk, bat the concesion rame (as) late, and the judicial momer of Ahlomam Cornish was tow fresi in the binde of the citizens. In beqmatar lase they furmally pretitioned Willian to asebure the rown, and in a fow houre font :ampl. fumbs for his use. Sulsequent events war larely inthenced hy the rity, and it has oftem laten observed that the ofmeition of London, in wh times fatal to a himgor his lamily, has of late "ymally affer an the fortunes of at ministry. Kinge Gabge 1It. was sallet hy the supremary of the citizens at llenry 111 . hat been before lime hat
he made no way against thent The lan events that need he moticed here are the establishment of the Bank of England in 1694; the removal of the old wall and is gates in 1760; the elearing of the honses from London litishe atont the same time, and its complete reluibling in 18:31. When it was only one of a large number of bitiges. A great mmber have been hoilt sime then: the latest ublition, a bridge below the Tower, is an engine ring work of great importace, which will auld greatly to the pieturesque :sured of the east of Limbon. See Drimie, Fol. II. p 46.
The population of the city has dwimbled yar by year, am expecially since the maltiplication of railways. Few tradesmen now line in their place of hasiness, and the ditlerence betwon the momber of peonle who actually reside within the ancient humblaies and of thase who only come in to husiness is immense. la lssi there were 6493 inhahited houses and a popplation of 50,526 ; but 2.t, 143 houses were used during the day. when the population rose to 261,061 . The rateable value of property was, in 1587 , no lesw than $£ 3,767,000$. Meanwhile the suburls have suread in all dimetions, and the house of Londoners are fomed in Berkshire. Inarkinghamshire, Ilerffordehime, and sussex, is well as in Kent, Surrey, Ewec, and Middlesax.
The city has its own police fore in six divisions, with seven stations and two ronrts- ome at the Mansion Itonse, the oflicial residente of the Lom Mayor, and one at the thildtath. Sewral railway stations have been male within the precincts of the eity, as the Temple, Blarkfriars, the Mansion Honse, the Momment, and Xincing Lane on the Metropolitan Railway, with lamonstreet Terminus, which stands exactly on the site usually damed for the Roman pretorium. The diocese of London has varied very fregmently in extent, having at one time comprised Middesex, Esex, and Ilertmalshire, hesides the city. It now consists of the city with Mildlesex, and that part of the new eoment of Lomlon which was formerly reckoned in Mishllesex. Thue bishop resiles in Westminster, and at an ancient manor homse of the sea at Fullam. There is a dean of St Paul's Who resides close to lise elurch, on the site of the oh brewhouse of the elapter. Ile is ansisted by four residentiary or stagiary eamoms and ly a precentor, a chancellor, and two arelideacoms, and thare are thirty eamons of the old fomatation, now usually called prebembaries, and a collare. ineorporated by Rielard II., of minor camons.

London formerly returned ats many as six memhers to parlimuent, of whom two were suppoed to lie on daty at a time. From about 13357 the number was usually fomr. Inder the Fieform Act of lsse it was reduced to twa.

Like other ancient towns the city of Lombon had its own 'hstoms, some of whid still hiwe the foree of law. Thas, ly the atom of lamdon, every thop is decmed an "ppen market for the soods manally sold there. There werte also special rules
 dr. The lamen cistam which governed the sueconsion to peremal property was tahell alway in sisti. There is a custumaty right of foreign Attichment (q.v.).
 Comomment Aet of kiss a now comby was defined, to comsint of the sulumpan parisher of Middlesex, Surey, and Kent. Theoe parinow, or a great part of thent, hat previomsly lieen described in
 quite inappopriate. liy the Aet of lsts a comaty cmmal was prowided for this distriet, and the jurisdiethons formerly existing of the city of homben, and the ant herities of the there conntion ware alotished. before descriling the mew combly we mas peint
omt that muler this aet the connty of Niddiresx (4.6.) was removel from the sheritimhip wi the cinians, and livided, one bart forming a new connty of Middleses, and the wher, united with puts of Surey and Kent, immisg the new comaty of London. Tlae work of the County comneil hats been moltifarioms ame fat reaching. atmd has evoked a correspomding amomot of ariti. ci-an. Lby the Lomenn Cowermment . Aet of $18: 10$ the akeministrative commty of lombon, with the tweeltion of the city, which hath heretofore heen mader the anthonity of more than a lamdred amb twenty boad amplarities (seatrien, listriet boitrols,
buriat heards, dio.), wat reabsanised into twenty-


 Finslurv, linlham, (iserawich, Hatekey, Ifanmer




 atul dhties of the ald ventrias and district bustrem whi some of those of the Lommon Comnty Conncil.
The suburles form a ring romme the eity, and the


- florts of tho mealimal maters were dirested-lirst, (1) rantrictimg as moln as prasible their growth and secomdly, to brimemer them, when they wrow stated, mader the contmof of the aty. In this paliey

 is continthons strese united Westaninater with Lans.


 wontury tha city mate its linal attempt to had the subarlionaber comerol. A grast ward withoust was
 Holborn biars ; asd, wh the north, pat of Noor-
 of the ablerman of lishopenate. liat, rexedet for the format adelition of Somthwark in surrey, mate
in 132\%, contirmed and delined in lono, no futhed
 cotates of the chureh stopened the way. Isondon was surbunded by monors, bf which erelesiastical dignitarion abl imonatice loodies were the lores. lionemment amonir threse were the emoms of st l"anl's abl the lifang of London, Stepury, an immonse parish to the "atward, leelonged to the hiahops all, that $i s$, "xerept such parts of the preecinct of the 'I'ower ats worn taken out of it. On the west the Aboot of Westminster lam the parinh of St. Marpater, which at tirst came ub, to thar Fitere, at what we know it latlerate (irens, athl was with dilli-
 continued to buld the chamehos in the owe ward, and tha dean and ehaptor still present to st

of st Piml's hetd ("anters, now Komish Town, Eald streat. Hoxtom, Alingtom, and st Pancia, while Nomant Wenlerksham were part of the
 monks, amb iriars, and the kinglits of st . Fom and of the 'lomple hat holliner in smithite the ather
 and in the 'remplo. All these charell antates wer in haml- which hitterly resented any interfonmes on the part of the city : and when the monatic orthers wre aloli-hen, their entaten were for the most part inamtorl to individuals at least an truacionss of their independance. The canoms of St lauts had alrealy fir the mont part cemed, owing to the presalence of a commp system of lacing, to own exapt in atme the manors of which they hand heon the homs. In tha more distant prishes similar inthences wop at work, and except in Weotminater, where the ablot and his suresom, the dean, held the reins of lowal gowemment, the paribles of the so-rallen Detromitan Area wro sovemed by elected vestries aml other surh in-titutions, and the lands were divided amb patelled wit in freelmols, some large and a few small, ammer owners who liad little general control or intlumee.
The preerinet of the Toner, eastwatd of the city wall. wa, fomed partly ly angrestions on the

Lady Jan (direy) Budley lival, is in grod pre-


 trions priwhers: they, with the lell Tower, in which liwher, bishop of liocheoter (1.i34), and Mary. comatom of Lemox (ision, were conlinel,
 mined by a curtain wall, on which the primeners walkel. I'niortmately, the inseriptinns from many diflerent chanbers hare leen lyonght toWerline in the principal remm of the linamelamp Thwor, ly which their historical signilicance has hurol in some raser wholly lont. Were we seep, anomy ofhere, memoriak of the ineareration of thesix somb of Johm Dulliv. Duke of Northmberlamd (helemeted linis). Wif them, John, the ehtest, was relcaverl and died: Ambore, the seconl, Inotme Earl of Warwick, amd livel till 1590:
 day as his wife, 120 h Felmary bint: lewnert, the forirth, is lest known as Gunell Elizabeth's Earl of herester, and lied in lise; and Homy, the yommen, was killed in the French wars in bas. other illustrous prisoners were Edward, Earl of Wambik, valled the last of the Pantarenets, ledealed 14 ta, and his sister Margaret. Countess of Sali-hmes, belueaded 1041: Edwaril Sevmoms. Duke
 Thomas More, hain; Thomas Cromwell. Earl of Esore, 1.340; Gumen Cathanine Ihoward, 1.th: Hemy lloward. Earl of surrey, lati: Ilenre tives, luke of suthilk. list: sir Walter Raleigh, beheated at Wrestmincter in 161s; Thomas Wentworth. Bate of Strationd, 1641: Willian Lamod, A Pehlishop of Canterlory, 164: : Januen Scott, Drike of Monimatla and Euredench, Lexs: Jamen Latelifle. ELal of Werwentwater, 1716; and thescots hords inplicated in the risings of $1 ; 1.5$ and $15-4$ Kemmure. 1716: Kihnarnerk and latmerino, 1746 ; amp Lovat, 17t:. May uf these priwnels were limied inst later's "harrh, whicla has ing leen lmmed in 1 in wan ulnilt in time to rective the lworm of guter Ame Boleyn and othir siotims of the Tudar times. It wan 'restored' some years age in a bery thorong manner, every setim. wopht some
"itizens, batly lex areninitions from the land of Sicpuey, amb partly ley reclamations from the


 and the Whit, and Waketiel towern were lailt
 at liset, hat biy the emu of the lath arntury the
 "ith huilding. (imblulf, at monk of bue, dewigned
 "in stralily, the "hat and af st Jolm in the White
 rinct elmaref of st leter "all Vinenlat on the
 apponimately in the whtre and is surmmulad ly walla thi tham forming the inner and ontor wares. The towne of the inner watrel were these




 where, of in the clicf wimbers home meat domp,
momments, of the puriod whill "ilnesome these sad
 wer lomer hegt in the brick Twaser, at the north"atanin corner, hat in tsiat wore remosed to a
 in whol they are mow exhibited, has sharel the
 hy Houry VI., pobathy at the wers time of lis

 in lif-mane at fremwich, i- in that uplor thon of the White Fower. Two or the pieces date from
 lay wich the viniom maters the forthon is on the
 of Hemry I. Whene the satine to are the lions,
 of thar outer warll is St 'lomman' 'Tomer, or the
 the entrance of the immer ward. 'Ila dew of the Than from the werwatel i- moll interfored with
 harack-and the demolition of tha pataer, hac still very mum the alswet it lave in the 17 th ecoutury.

The new bridge juat mantioneal -tarta irme the homadary hetwem the predinets ai the Tower and that oi Sit Katharine $\operatorname{llompital}$, an instutumt fommed hy Matila, the ghem of stephem, and
 It still sulaints having lewnophed at the heformat tion, lat was removed in 15:- the the Jagents 1'ark, and st Kathamés buch mad. on the oht itue. A little farther mat, till in the flames hank. we come to one of the numarone divi-ints. hnown as the 'Tower llamlets, intn whish the migmal parih of stepmey hav-luen pareelled. This need to the katelitho anil Wialuner. but has lones been known a-st Bearges in the East. Next in it is limehoure, a name wheme whinal iom, himeharst, sutficiently denote the ohif character of the region. Next to Limohmes is Poplar, which includes the ble of thore, at hind of delta fomed hy the river lea. whicla derives it- name from its lock-. Farther inland are Pethmal dreen, a vast district. chiofly rovered with fictorien aml with the houses of the lower clase of artisans and lathmrers. Nile End, Whamd New Towns, whome names show their situatim in the great eatem roal made thrumg . Dicigate (wee almse) in the 12th rentury. Whith leal to an arched hridie. homally knowin as the bow, where there had previnusly heen maly the danserons sitrationd oren the lata. There paricher, with Whitechajel north

 still stands athong onrmonding very diterent from thase which -marked the 'di-trict when the himbopo of hambon hat at patace here. with wide
 and lhamer on the hill- hevond; when Edward it held a parlimmont in beas at the lowse, near the charch. of the mater homy he Walde: when the woul boan talet hat a cumbers lome here where he Wax tixited hy Howe and Eralmas; and whon binhep lialler, the maryr, -urrendered the manor to Lerd Wentworth. the same whone los. of Calaiis aid to have hern the proximate rame of the death of dineen Mary 1. Since Wentwarti- death the wate haw hern dividen atmmer many owneme, and thre are few frapo of :utignity an where.

 arthitectural tate of the neishburhond, limt has homsed and exhilited vation line collomens of piptures and work- wi at. Much of Mackney, which adjoins stopmey on the math, has heen kopt upen ; an od pratk of the bi-hopr loeing now haid out as Finshury Park. and the emomen and




 are the twa divisions of linslury. At Lukes and 'lerkenwell. In $\Rightarrow$ Luktio waic the Sritlery
 from which the mentern Artillery company tom it
 it, is the 'ambusian monatery, now at kind if





 and their chatw, at bation tmilibus ont in
 Plare. 'larkerns.ll. the site of the hume of the




oxtending hack to the time of the (omentat: Stuhe



 lompurb, the griginal name of the erombl now covered ly diay Im, whome erat matment wan lat lacon: and lughere, now hown as
 trict, in which the Briti-l, Masema i- sitnated,
 (1) har second hashand. William, lam finmoll (helleaded in Linculn: inn Fieldi in lives), and still helonge to her decembint tho duke of
 bub manerons to mention: lint we camm fors.t. Hiolard liaxter, whe lived in smothampon, now Blownshay square: Charluc lickens. who lived
 and tharles Lamb, who lived in little queen strent.
hat some the Martyr, a mall pirish taken ont of llolhom. is Guen sumare alle after
 Strent while he was a boy. St bibos, homg a rowhery of wreteleal tenements, has heen greatly cleaneel and improved of late, fant the tho fatmon-
 Sune of the atreetamb aphates of the divtrict were place of rephte two benturies aso. Nebl Gwyn lived in Wathur street, the buke of Dammath in soho Stuare. Iryden in lome lere and in limard stmet. Thi small parish of sit pathl, Givent daden, baxts of a chmeld deximed hy laigo domer, of the sreaten whetable and thwer market in London, and of inmmeralile literary a-modations. In Bow street was Will-s Collee-
 bindsafe-panter. was horn in Maden lane;
 Shelilan, Butler, and Prior are amone the names We ment with in the listary of the lomation.

Wis now reach the strand. lexsmong at itfateon end, next to 'remple bar, we have the colomal haikinge of the Now Law ('muts ( 1 nit se) of which feomge E. Strent was the ariminal dejemer ; lout so thwated hy mondling amberition that muly the best ieatures, sumb as the mohle hath (2ss iew longe) and the tower, can bo con-indered his. Nortl of the conts is lineoln: Inm Fields, the largest grave in Landem. Here is situatend the collegro of surgeens, with it- mamenm, and tho mux
 Wren, in whioh a hase tablet mathe ther wat
 -ide are Ammdel and Xorfilk strod- on the wh

 mate facomrite in the buter 'lemple. A hrowk
 a bath of laman arigin. Kint, to the wetwad, secolne to the eharmine litale chareh of St Mary.






 literature batone we wall Watmand bighe tame







dediaterl to st dohn the liaptint，maly rematims． In it Vavin lomorlas，bishan of Tunkeld chiod
 reisn of（larles 1 ．The honpital was shymemerd

＂The＂＇Thames Embankment（Istit－70）lomers the sitrand from the eity romma aterat bend of the
 we pass the city boundary near tha＇＇lemple，we are abreast of the limilding of the Lombon tichool liaad， by Mr Nomman Shaw，Ii．A．，host to whiel，witla a short interval，is tha river front of somerset llouse， by（＇lambers．ome uf the best elevations in landem． Garalens lieantifully latid out comelnet us past the Savor，the Arelphi Terrace，th Herytian whelink hearing the mames of＇Thothmes 111．（1sth dynasty） and Ranmeses $11 .(19 t h$ dynasty $)$ ，and the olol gate－ way whish marks the site of lackinghan or Fork House，where bacon was lown in 1561．（＇haring ＇ross station wrolpies the site of llungerford Market．＇Tlue eross in the eonet toward the＂Strand is Detieved to le a copy of the Eleanor Cross erected ly Edward 1．The stathe of Charles 1. stands on its exact site．Northmmerland Nenne was malle in 15：4 own the site of the last of the great riverside pabaces with whielt the strand was formerly lined om the solith．＇lratalgar sipuare in on the site of the old Kinge Mews．lts chief ornament is the rhureh of xt Nartin in the
 a pror lmilaling（ hey Wilkins，lsos）．＇Ther Natiomal Portrait tiallery heluinl it was opened in $185 \%$ ．

The monmmental Corinthian colmmen to Xelson is very conspicuons，with four lions ley lamdser at its base．Behind it is a statue of lieneral fiordon by＇Thornycroft．＂Were are other statues，all poor．Far Whitchall，see Westumesteri A statue of terorge Ill．，by Wyatt．is in Cockopur Street，which leads us past the llamarket and its great opera－lonase to Waterlow llace，where is litll＇s dinards＇Memorial，a vers poer ligne of Vietory in homza，tha Duke of Fork＇s（Tuscan red erannite）colnan with statue les Westmatott ； and mummments，mostly very had，to pranklin， Lord Clyde，lorsl Lawrence．de．Thas chats in latl hall are in many cases jusly ahmired amb． axerot thase mosi recently laill．are in wom pro－ protion，especially the Reform，desimned Dy barry， and the l＇arlom，by Nuirke，and rive a stateliness to the street，salliy wantiner as a rule in Lamelon． At thes Wiat ohior is part of selomberg llomes， ocompiond hy daindwandh，the gainter．When we rearh it bimms latare（in Westminster）wo turn
 ful insmanceothere hy Mr Nomman Shaw．＂pynaitr， an the west siln，are seveal well pormortioned elabs， bint mone new haldiags，comered with omament， intended apparontly to comeral wali desomes，wa

 all velabrated in the social amals of the rathory， and on the site of trow fords，the beromshine $\mathrm{i}_{1}$ bembett and Arlington strots we are rominded of one of the members of the l＇alat．Lond Nallishmy＇s
 In Arlington strert residerl another prime minioner，


Piecadilis brems a little to the vantwad of Watelow l户口⿰亻⿱口木⿴囗⿱一一（are alowe）and its contimation Lesent sitmet，and is called froms a hithe of tea．
 Griturion is now．＇The formation of lesernt streert，

 which was lamatifulls lad ant on the ald lary
 Whom most alsu hes anigume the street fromts， often very beamtiful，although executed only in
shaces．ln the liegent＇s lark are situated thee Konhonialal and botanie liardens．In l＇iceablilly there are still sume time palares，as Imeronshire llonses．Northamptom llamse，the residenee of homd Rotlmehild，and Josley llouse，but the tinest of all，Burlington llomse，has been altered amd added to in a wretehed syle and the arehidect－earl＇s design ein hardly be male ont．Heres are lodered the liosal Aralemy，the lioyal，the Antiguarian， the Limmean，and several otheo lemand societies． The wimdtras are eovered hy the exhihition romms of the teademy，and low the ollices and theatre of the miversity of Lombon，in a very debased style， werloaded with arnament．The only chureh in liectdilly is st damosis．the parish haviner been taken ont of Westminster in lises．It wis huilt hy Wren，at the expense of darmyn，Earl of Nt Illams，who is gemerally lielieved to have been the second hushand of gusen Menrietta Maria，and who is commemorated in the adjoining dermyn Street． The exterior is plain，hat the interior is the model and criterion of what a l＇rotestant charch should be．

Northwad and westward is the great parish of st lieorge，llamover sipuare，scomarated from Weat－ minster in 17：3，which eomprises Mayfair，firosvenor Symare，and belgravia，extending from Oxford Street on the north to the Thames on the south． It containm may charehes，more or less dependent on st（ieorqe＇s，Imt thomgh some of them are very eosily，mot une calls for sepamate mention．The mothrirchumeh is beary in design，exeept the portien．It is hy duln fames．The parish nearly all betongs to the lake of Westminster，whose ancestor，Sir lideharl（sosvenor，married in 1676 ， Wary Davies，the heiress of two eity families，by which these then open lields had heen acquired， not withont litimation，in the roign of Queen Eliza． heth．The whole estate consists of an almost cimalar fortion arombl irosvenor sipuare，extend－ inir aloner Oxford Street from Davies Street to Dark Lathe，and hounderl on the past by the water－ eourse of the＇lyburn ：and a southern portion， bonnded on the west hy the Westhonine，which －livites it from thelsat，and on the east hy tirosvenor I＇latet，Vanshiall Bridie lomal，and some irrecoular streete down to St tieorgers Sghare，whieh is on at site named in al may of 1 gat ，ws Mr Weston＇s grartent．＇＇Ther new elourelus on this marnilicent enate are typical of the other lmiblings．＇There is not ond which can he named is of eromb，or even toleralble，desionn．Deleraves Bumare and Eaton Plater，and the aldacent regron are all in stheco． firosvemor llace is in a lerenelh myles，very deblased． Darehestar llamos．not on，bat bordoring the costate in lourk lane，is hambumes，laving hern designeal hy its owner with the assistame of Volliamy．In stanhoper itred is Chesterfield llonse，moch pulled aloun，but still dine，amd wortly of its designer，
 fentures，hat the pinturesallery in l＇ark lane is in a fair massical syle athd tha sereen in tirosvenor Street has leven ahmired．

Of sit l＇ancras．larer as the bratish is，thate is very little to le told．It combamed，apparently，
 and at rurions．litale ehareh，much injured by mondern，and imberd recent，restomations，shows Nommon feathlers．It is eloso to the st l＇ancras termimus of the Midlamel lathaty，and is well wortla at vist for the sake af the graveyatid arljoin－ ing，which，thomeh mole emrailed by the railway， still comprises summ interestiner monmments，these， for examiles of thas diress，lords of l＇ortpool，now Giasy＇s lum：of Wiallier，the levieographer ；and of Sir Jolm Soanc．Nany refngeos daring french atid latian trombles were buried lieres．In the parish is Kantisla lown，the old preitemdal manor of＇＇imbler＇s＇or C＇autelupe＇s，called after an



 the Fin-tont laval. It wir bimily in whitt win

 Millame tomamas with it lutal. hes sir li. (i seott, sue of the larerat hailelines of the kimd.












 hisher up the froms. Whate theme ware at tow

 known as the Tybutn, the rather form of whels
 pmbably stomb on at kind af hami. a site how


 It was leand unt furarme gende and in the lith


 lomisht it. lli- desembant- and it to duln Holles.
 sines elewermber in his fimily, limly thenstem beiner the parat wwor. Thar western pat of the pari=h wa- flo manor of lifhotom. mow fothomomrated in liwnol forse, and domendeal mand like

 Winol), down ta Sir Willian l'ortman, Whose deacendants mow whor the graitar part af it. 'The we-tern bommbary is that Pabwara linal. The Jlire of expention for the rity of Lemelom and 1 he








 the fliter wher the tomt latan- of the triansondar pilhet ware kelt. It alle ar ather ar the flaten








 rationt in lallantom. lint in lowdimetom. That









 305
 heirion





























 (athalico.









 exterior is mumeromally plain, lnt lhe interins is hambanat. Thar lambe romtais al hatl laile has












 F゙ッllatir.

 latternet in ehielly remarkable mon for the le:anif

















Whentic bats of the honse are momber but the Whand wi－lmilt ahnat 1200 ，the＇Lollarls＇Tower， 1t th．the gathons．Iter，and the hath．now the limars，in thas．There are many hamitul thas．
 atime of lambeth with the pratort men in

 is bimiod in the chatul，and that thio was the semen of Names refasal to arept the himes anpremats $\therefore$ Marys batin chumb is rlone to the gate and
 ＇TMison，and serher．Two momen hillinge ar＇ sery conpricums it Lambeth－Dowlons terme．
 Haphal，wheh mumpmately tares the llomen of Firliament，hatrine luen remowed to thin site in


 alon（e）the low peninsula，fonmerly sumberged at
 lancramb with great warehomses，hores，ant wharvers the moly puint of interent lowing that on which thakepreares Dankide Theatre the Globe －tionl．Tha almandes 10 Witation bribe probs．
 bermondsers，where at line and fanons abley Ahminhed liefore the lafomation，of which mothing wmains，and liotherhithe，at an ahrupt beme of
 with factorico and laboured elwallings．Father inlame and to the abolhamal are Newington， Wialworth，the immane parish of＇anherwell，with bulwich colloreand pioture－gallery and reckhan．


 which are taken from kent．Thery comprive Lawis latin，a serel part of which in still opell ：beptront， lowenwheh，ath Wioblwid，which includen setme hindis on the noth site of the Thames．There and many interesting sites in this distriat．At bopt－
 （bar leter ；Fithan Palaur，with its ancient hall． milt hes Edward IV．；the Wowlwich Aendeme，tor layal bumern and frillery：amb divenwioh （4．i．）with ite magificent hopital and it－pabl． and the ubseratory from which we and bont civiliwel mations rerhon longitule．

The commerne of the vat arot thas brielly be－ arikel is in great part cmrime on in the＇ity；but the beot retail alak are in the staml，biegent Street，alul Band street．Tha statiotion of the rattle－markets are publi－hol at intervalo，and show a combantly increming lematmand ably．The fonlive of the pert now exarals if milliens，and the that trate exemen 220 millimas sterling．The ratealige salue of the whole romots，incluiling the


 $\$$ million lead of fomitry，too million pomal of
 s million phats of－pirito，and ：at million phart－of


por．An vatores abeas in mat．







 1290：（1881）1740．Holsem：（1801）130，000；（1551） i 3 （），（06m）．

|  | Immorts of Fircichatd I whongal Merihatultee． | frombice of lonat <br> hambluan exparted． | Fureign aut colanal <br> I＇ruduce exported． |
| :---: | :---: | :---: | :---: |
| 1035． |  | 走511，517， 25.2 | む゙34，545， 7.73 |
| 194i |  | $44,125,435$ | 34，4 5 ，4：0 |
| 1458 | 1 $4.4540,7.1$ | $40,1423,152$ | 85， 3 3， 4.715 |
| 140n． | 130，1－3 ，46： | 511， 111.2 5 | 33，5こったts |
| 183F |  | 44，¢3，3\％ |  |


 t：3， 0 30，中h at liverpool）．The total foreirn trate of lambon is wer a formoth of that of the l nited

 more importatht than inty other lown in the

 frimters，and 31 ，whe eabimemakers．
＇The death rate of Lombon in 18.5 was $24 \cdot 3$ per
 17．In Lamom in lsth，（6is per cent．of the popm－ lation were Lablom lum，athl there were $-1,390$
 of ！

 2024 spaninh．2444 lingiam，l432 fiwedi－h，Ioll Norwexian，si Dathixh．
Sce Stuw＇s s＇urrey（1099）；Matland＇s Histor＂（1006）； Neweourt＇s Rifurforium（2 vols．IGK4）；Cunningham＇s Ifundrenh（1st！；new ed．by Wheatley， 3 vols． 1891 ）； Sharpes＇s Lombon wat the hintulom（1884）；1＇anl＇s
 1sic）：Walforl＇s Greater Lomelon（2 vols．1N85）：
 mertis（thle ed．1ssis）；＇itssell＇s ohd und Niac Londion

 Instories．See also the following articles in this work：

| 13nkinu． | Gremoweh | Olm．lisk． |
| :---: | :---: | :---: |
| 吅呺， | Csnil）． | Tarliammat． |
| 1intuh Muxalm． | Hamputaric． | Perline． |
|  | Hownitas， |  |
| Tindmet． | I 11 maimat i | Royal surtety． |
| Clames Huspital． | Kemangot | Aydehhan． |
| ＇lut． | Kw． | ＇trople lar． |
| lanimt marden． | Kibu＇s Culle | Thatucz |
|  | Mmi． | Whatre． |
| lathe． | Natimal Gallery． | Witersomply． |
|  | X Wwgat． | Wenthinat <br>  |


 afterwade kinwo ats l＇niversity loblege，Lambon， the lime halding of which，situstod in fiower
 The functions of the entlege were contimed to teach－ ing：lut in 1834 its promoters inplied to the andemment of tho day far power lo mrant ilegrees．

 seremorl mot impurbiable that other colleres of －imilar elowater womhd he（in imbed thes were）
 fand bern acembled to finversity＂ollemen there wonld have laten no rambe for rofasine it to kinges amb other collowes．Itare to avome the maltipli－ cation of little minersities，the wowernment re－ sobvil to inatinte ：horly whinh hombleamine， hat not teath，laving the eollomen to triteh，lut





 fation of extombur the prwers of the mivonity．

Fine the first twenty－two reare of it exintme the

 and thirty－aix Pedlows：：and（b）the attiliated coil－




 －mall minomity were in Lambon．Ahome a mooln－


 samblibates for dourn in arts，althoum they might matricmate from the whens hat been required to Monlace at ertiliatio oi two pars stuly at an
 Aboli－hen，ami rathitater might acepire their kumberge when，where and an they chome．There－
 but relised，and imbed weme shlanemently male mare tringent．The sable chater alab introlnced ther grabinate buly，maler the title of＇comsomam， imo the combitntim：and atl matom of arto，all

 eonawation．Thi landy hecane the parliamentars comstitnency．Asam，this charter institnted the
 the power（whinlo some of them hat expreined）of
 between hat and vell were bue institution of －legree in mance and the proning of the misersity to womert．＇Thu litter chanse wan a spalnal pai－

 oif bis；hat malier ：later suplemental chater （バウ）all the examinations and dergers．and all the exhinitions，shmiti－hipo，prises，and medals
 comblitions at man．＂lohe liold coveren by the ＂Inerations of the misemity may lue deseribed its imperial rather that heall．It－charter derlates it



 With the chatriteter than profesomb，cortain wamina－

 lant he miverity italf originated nom of thene：



This wery jeature，bumer，and the hetachment
 were the imburbate vano of a lively aritation for















 thall thane that wore rejectod in ks．withont，






 for the rempanivation and rawlation wi the mi－



 Kinge follone the linsal collowe of ithsidias


 anmints of the chathedor，the vicu－chatheellor，all members of the theres stambins commiture of the
 areal Erahater．Nembris of ronsocation，not
 the parliannentary monstimency（ton in mumber）．
 Thoolugy，Mre，Latw，Muse，Mesticime，Bremere，





 Conloge and kings College，in Lombon，for all the

 tha líahmon Wenayan Collese ami tha Lanlon Collewe of Divinity in theolosy ：Ibolloway College and Fedford collequ in artwand remene；the laval Colloge of sidene in its ane facolty ；the sunth． catem Conlawe of Aorialture at llye；the medi－

 －haring Crow，and We－tminter Hopitah，and the Limbin rehab of Medicine，fur women；the Central Techmial Collese of the City and childs of Lombn lastate in ensinerimg the landon
 faculty．The lingal College of Mnare and the

 sible cmations；the enmisomers therefore ex Ambed alos Trinity collowe and the failal Itall Schow of Mnsice，int remgned tearhers of the
 miveraty．Thes legretted that，suiled liy the Cireham Commision，they felt ine laled from re－ cosnising the traming collarest of Lombon and its
 Armentary trathing amil to thining for elomatary
 of the maisorsity and othern ane alluinted liy the

 lims for luth rexe lucuin with maticulation，

 amome homone ramblitan at mang of the exam－ matime．＇The benlation for then extminations









 the highor लamination has hern om at－imilar calle．For flo liat thity yate the wimerity bad










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 mens than comeral the whote bob for wobline m-

 "prat to porhap mbother findin. The Erant in





 flant. alla a enmmeil and al rematre the latter fonn-




 theranille the varima schernes till then promad.

 tion uf the two liranches of the 'lhames, 116 miles


 of the wincopal stmets - I'all Xiall, (hemed strent,





 on an intomaive trate in the pronhere of the comatry :

 fandorios. it has several eollenes (inelmbing the






























 roturn twa mondros to patiament, and the


 of $\mathrm{l}_{\mathrm{s}}$ * " anthorias in the and of Filizabethi- reion. In lfow
 were eranted hy the elown w the entoration of


 lontions of the eomity were andiged to tweler of the livery compormies. It the preant time the livh
 wath hore thath ont fometh of the entigeromats: lat
 hatre mold thair entatm to the oceng inger temant maler tha S-blmmer Art.

Landonderry, on letity, a rity, maport, :mil parlamentar: larmugh in the mortli of Predand, is
 Fowle, $B$ mile from its month and 1 S miles from the entrance tu Lansh Finlo, hy mil lais milio





 territory granted 10 the Lomilan companion and
 :HAl wan stmagly fortition. In the lrish war of

 folk, Nouting - No survember, mamod the walls.

 pednts in lifh histery, and its memorioe are amomar
 wall-sill sumbumal a pat of the town onte milo in
 lits ontside them. 'The tonn matin struate divarer from a stuare in the rentre of the rits eallad the Wianomal. Tlae latitank of the rivar jo commetad las an iron hidee, lean fort in leorth. witla in








"rected in lisis and a eohnmon in tomome of the



 makines) factorion, di-tillotion, imm-fommines, flamr.
 alamoth-herien in lomenh loske. The hathom is
 linera ( Nhat, Amelom, athl state) stop at the "ntrame in Lamen fingle both in goiner to amb







 14il).
 1:1.16.11.


















 modialliat. and in lang wan math firllow wit hin



























 hat ferkined -upurion to it.


















 -is. latatiom, matre hime ervatly di-liherl. amal




































 ambl compiled bis worl ont longevits whidh is

 as (0) - to



















 a ratow of the evilenter shas - that whila latwin



















 allowrits :thil ho. ditos at los. litian is all has
 nim" - is.


than momarial．that women live lomer tham men． atht that the elergy have lomerer live that athed


 tow roblyllix．

Tuminer now to the general furainm of tha lemeth of life of plants and ambats，we baty
 Pammot athi do mot die atter the fa－hion of thone

 ally tamb to lemethen lim：that jurecetime of tho repondmotive preceses ham the sinme resilt：that many malt－live much lomerer than their mater， and－o un．Dore than one popular alare maki－ size the reitarion of longevity，hat it in at mons a
 and ：lumbab buly 6 ，eary and pike may attain the age wi las fommer，and one of Sir John Labhackis

 exceed this，while lath are ontstriplend liy the

 sea－anemone＇Grannie，which，after its removal from the Firth of Forth，lived in an intuatimm
 Flommon＊sumberl that the lenertla of life was lime
 even alpmamately for the majority of amimals． Lapholity of life is abother factor：than the shaginh amphilim i lomarlived，and thed may survive wer Qun Hears，in contrast to the transiant life of mans of onir rapirly ermoing，brightly thwering anmals， or ther rat nuse ephemerat existrnce of many in－ tensely active inarets．Sat on the wher hamd antio and hose often live for maty yearo and nome of the mont activo lirds attain a great ace．Acemding to Wemmanm，＇lamation of life is rally dapolabut upm adaptatjon tumenomal combitions：its lemarth，



 are allipted to their＂moiromment．＇Inntler worls， he anamatime that the daration of life is liseri ly matural swhertion：that，wiven the mate wit
 lenuth of life characteriatio of atmy bundes is suth that the manhers umber fixad matition will
 naturat melection is at prowent calhed unon to





 in an mblatry wiy for many yars，as is motalis． the eate with woment．It miay lat metme that the
 Hever or latally ver die it natural death：thay
 virtaally jummetal：they abide．hat in this there

 lusily．
For metheral anpeta of human limgevity，sen W．It



 Fomlton，de．），which contain abmant roferences thather











 enlatiom wheh the whome of the time athomed． It the early are of pightum ler ervaluated from
 with Hawthme lion life lomer fremb．Ilis rank in rolleqe wat high，enperially in hamgares．anciont


 nit the college sent him to limone to gmalify for the

 in viow in Fiance．Sbin，Itals，mad dirmany．

Iftor his retmon losue he mamide in lsai Nis－


 Finutopes uf Amerts．lla had uritem jumme while at pallege，and jublinhel them in marazines．


 rique，at ergave amblately lumm，in itaplt prohalaly

 in lasis and／f！fmerom，which is a jommal of a later trib，in lasu．lioth are intersmonel with transhations of ficman framos，and hoth have at jermanent value as indiatime the development on the jowt mimi and art．





 Fombermos，manly semtiment，amb melorly，amblo









 of momement ami mately，amd latliant in local colonit．













 rembor of wery derren，and tram－altol into most moslom tumeno．Gpinom maty dillar an to the
 thelater the vitat interont of the fathotice stors





















 penpar of Now Vinslanid thia pown han an inexpron
 it is a mirror of the life of the l'ilerims. 'Thes story is interesting in itselt, and is thal with ease ermer. The part was havembed fram tha Drisomilla of this prem, whose weli-kmown guestion. Whay dont yom "quek for sonumedi, Johm? is the kregota of


 bery Tules. 'Tlow Inn was in shdiners, Hassa
 anthermb there anompraty of walk known man whon he jurtrays. and who in tom tall stories, somet wif Which ate from laceaccio athl other wall writer.
 ant on fithone at other collectionn. shows in fis twelve short proms some of that pattion most ox quinite worknamshi]. The Som bumbme Tometurs (lson), in bank vario, troite mandy ni the Salen witoluraft in the lattar part of the bith century. The next work wan a completo ame fathatal tran










 Thas betacion, whish was notionel thrmatant the










 ha liven in ot ataply calomial homar which hat




 froms tho fantts of many literary mon menor

 sll whar inve him. Iliv inlations will hiv rambern


 atml नhamitur.




 troth ia rararal to the atemmal worlal. Ile was
 selolam throws any blatliner light into its serome


 ami in all that mathes the delight of lomas. (bit






 ran has be momated hy enmbindiner the vaid that



 Mantera, 114日 1ma of

If low was mot wrent amomer the hali dozen gratat
 low thar of their talionts. Than faloly of full and



 dennotinne there romabse at wat and almost in.
 worlis.

Ser- his Life hy his hrother, the liev. Sammel Lamgfellow ( 3 vals. 1 sivi sio): and the menorial frimme pablished shortly after has daith by the present wrater.

Lonis Firing. Nou lisitit.
Lonoford, an inland comaty of latinatr, lmame, hombded an the $W^{-}$. Sy tha shammon ami
 lomorth in a! milem, its maximmm hamalh 20.


 Hat, imel the wil on the whole fertila, thomish


































Idong Iskand. an i-land which mome here ramition the -tate uf Xew Yom, hmmion N. In




 the latem to midu- lone and or of wite. I line












 in Whicla Sir Henry rlinton limats remprollod


 1-Nand and the mandand of New Jonk and Comme.













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## 










 the hasines of Willian Tiathr, pablare uf






















 win begeted bethase of it asere hamding of the Lathe juets, whore work were issued ha Lamamath.
 furyh ho wio lexame the froperty of the fime. Some





 Lombunth ( lat: 7 a), the thind som. The later



 Mistary ut Emphent (15.59), Mistury of the Life unel

 of thi yematatina was the publieation in sueren

 in Manday on atrenam of has shame of the prots

 af the stock-in-tatale iund hames comate tion of
 $\therefore$ Mill. Froude, and Sir domewall Lewis. The
 The parmers of the fifth generation :lace now Thmato Nomom Lomgan and benspe Hany Languath, soms of Thomas Lumban, ahl thatles
 Willian Lompmath. Whe ai the ralist ventures of this .mien, for which they save the anther elonato. Lard heaconsliedhe wher works had come into




 A-1nt hotheat and hastitution, in which the lima has


 that it the hambatur in antignity, anil he this
 to: :

Lone Parlianlent, the mane ly which the



 ant-of the pat cheren years, with the atolition of Ha Star 'lanhber and ligh 'momiseion, and the






 "the • Limm, wan remalled by the whicern on the



 phasine to the amy, they wer igain thmed out

 the combry having :un hind of lexal authority,
 - jowed ley Prida's l'are beturand to their mate.

 lang larliament, whiol, wiot apmed anm twice









## 


 fonint in N4., funght in the Xt- inam war. and in
 pare in luth hatton ai lall limm, that of Williamfate, those atomal litimanal, and at Federinh-




 -hire. is sithatom at the smblera extmaty of










L.onemeville. Homach (Hil! -0 ), the smal at the Frambe ars.

Lontew. : -mall wan atm dontron in the


 athllat. logn matio.




 fare, frum the bution of which he retiged in lage.







 1-2: :31), atter which follow...l in lasis the weat
 a collectime of lyrical folloporys: ciomelasking















 1: 0. bi luarn home.









 nath in rotation, the eamo tha phated hming a tiots. The highest whit earl wine in if thmped,


 (1) tramp tur hime when ate i- turnol hal he


 (b) then atw onls two deedated plasme saline-




 at uhast. The winner- oi the wiok divite the


 [and. If maly the dealer dendano ta pita, ha talkes





 ing. It in atrionde to lix a limit buynul which a

 There an, ma'romient lath- of lan. The thenhobin! the for many rean the host anthority on




## 

L.oochoo ntherwi-e Limbin on lion him), a
 cominhratha atr Whana and whamat. The


 Thoit :










 hatal. With : -tat in framt. Tha* wromell tattom

















Loofiali. Edratio. I'mler this name the




 callod, apprats to he abtained abitly fran 1. regentiver. In the West halipe the fruit of $/$. arutanguler yiollk a similar motwork of tilotes, aul

 into hationt and small matmental artioln.

## 


 west trome of (eerrgia, aml into hahama, and rising to 1606 fert alwe the Temmenom liver. It



Iooml. Rem Wermixi:
 lornat Willingtom, Comertiont, oth Angol ishl. graduateal at Vahe in 1830, amb was tutor there in


 (1sty fon) in the Inirarsty of Now Vork, and of Natual Philosthhy and A-tromeme (from (sian) at
 Lammis devated much of hia time tor mimat researeli, was the anthor of over a homirea seichtilic
 mathematics, matmal philowhlay, atrommes, and
 ware whl.

LaOsestrife. See hathentas
Lape de Vresi, See Vera.


## 



 allied to Mespilus (Meslar). It has lurou imtir dacel into Australia and in now ahmulant there. The tree or shrul, which purneres it attaine a

 green, with large ohborg wrinkiod leaters, and
 fragrames like that of haw thenthoneme the forit
 the size of a harge gamedarry. The speds have ith
 longuat lives in tha" apron :air in the simitlo of
 is repmieel for fruit of dime quatity. It is haty









 silver ant - -

Iard (. S.s. Helafert: from hlet: "haif. ami.
 of the hamen), atith given in (arwal litain bu




B. given to thr wher whe of howe, marguisw and valk. predixed to an inferin titla of the parage,







 Thamburiain and Lord Chamberatin, Lord Iligh




 Ghaxaw, Dberdeen, aml Perth, amb the lamb - Whamate of Scotlambl boe special articles on

 hate the tithe - Land prefixed to thin surname or some trriturial designatiom :anmell hy them ; and



 in Mtont, with samu stmall inlets, lyin: in the



 t" Sew smath Wiales. The Hara is very riedi,
 -mmombers waters are full if lixh. The islame


 same hime : amb a latillowes latimd in ome ut the Societ! W-世.
 manert prasinctal whermor apminted ly havewign by patent under the dreat seal. Fibutice in Bandanl arose from the chaxional commixame of array isumd hay herow in times of dimger or
 the inhal atanh of the wantios tos hich the commis sinne were seat, and at then in military order.

 powinco the immoliate camo of har brearh hetween




 athl is the chiof vecentive antlarity. I'nler hime, and of his apmintinge are proment depate
 the otlice of justice of the peater. Bilitia juristlietion formels hanged to him, limt is now re-


Lord-liculdotat he lastand, har veros







 - i-itine it moly mare in two veire, to hold the

 :
 antands wathal in Imalim.


Soal of the I nitul kingdom. and hatm the sumat

 won-time of difty tive members, apminted lay

 of Iraland, and to sep that justion is impartially atministered. We has the fonton af the police.
 the traps for the suldurt of the rivil authority, the proteetion of the pallice. the kefnee at the

 may himself antur simple kinghthond: amb, pre-
 Iredand. hat the diagnal of much prefement, as well as all the wher jatmage of the comutre. The erratine of muney, lank, and ponsionc. of

 oflierre and wormor* of fort-, and the alpmint-

 alvion and recommendation. In resent ? tals.
 a mamber af the eabinet. the ponition if the land. liphtmant hat hemme litthe more than an ormat montal one : athe the alustition of the whice is now contemplaterd. A memurial simed bathent
 hury in ise! prayine for anch aludition, which


 standing that he was to he the last lood-liculemant





 as one in the lhomix Jatk. Hi- temure of etlice depuls on that of the minittry of whel her in a


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 with alourt regal anthorits. Thes wequ dewembent




 near hatam, emomonting the reyal army mater the High Steward of sootlani. Wi- debatent and

















 of Larn, whe in tha sar of imbernhemen tum






 the party of Eilwarel halinl. lun he wan ultimately


 fonth the title of lard of the lala. It. maniong

 bure him three ans. bomath the whot. amont Land of the lata, in right of hic wife elamend
 Dhans. imbl in attemptines to make esmen that
 Harliw. Hi- won Nexander. thied Lemb of ther BNo. wat allownd hy James 1. to imbitit the mathom ai lowe froni his mother: lat motwith
 the crown-land near favernes. sum homed that town. lamm fromply attacked and rantod the reluch, athal latir leader wa- fain to throw himaeli




 imploreat the reval dememer. Hi life was gaten,
 burins the mingrity of lanme II. he beth the inpertant oflion of linticiar of seotland moth of the Finth. In 14.5 lie enternel into :a wort and





 of fought bs dames 11 . he took frichto ant "ntreater the forsiteno of the king. Whim with whm heritation was erantel to him, and
 Siter the death af dame II, the val. along with
 lobew with Ertwan IV. of England for the cmo font and partition of scothan, and ratual the -tamad of relnellion. Ilis watens were in come


 his ald ag hain homew and hoir, apparnty with ha- approbatiom, at the heal of him samals
 damen IV.. Whas at this dime billod tha dimene,
 that rontedemery of the i-landers, whim hat
 and in the parliament of Way 1403 . loln, fomth





 of hix tithos siq. I. Markempirs Mistory of the




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Lotal- supper whe of the -atramente of the
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 ＇Tramandatatiation was lowland to be an artiche of taith ：aml it has contimutal 10 be so bedt by the

 of＇ramablatandiation at he simal of fermsalemin

 the gutention of the witure of the linchatist．＇Tlas＇


 （harist allol andely tanght that，thromoth the pawer


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 fal remeisur is，at the monomen of partaking， hromelat into anion wila（lari－t，throuselt the medimm of the Joly subit．and rearives of that

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 rlitherenere in thejt way of appranios what that


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 whinh wore imaned under dibernt rimemstances. lam mome to the womblisal view of \%wingli than
 'l"hilts niat Articlom after lasing down that. '10
 iner ut the louls af 'lariat. remaliater tar motion

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 chard is disided on this. is an servel kimelem
 vies of the rite is fremomintat: the wher proty

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 wine intor the whotame of 1 'hris , moly and hame



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 H1ar"























 from llar atatorn hamiliations: ronmoved wituthiin the "admation of the lant, "ant the carrying it


 with wime in tha lioman l'atholie and firat















 that inm' muming. learls symols arlained that the fathent







































 Arictly th the fommats of the charela：while rationalion in all its phase tomber the pure －ymbulina of Kwineli．
Soe the relevant works of Howker，harrow，Joremy Taylor，Waterlam，Binnet，calwh，Houlge．Bosterze
 Wilhneforce，Itwerim of the Huly Ellthoriest（1s45）：





 vicromments of thr Nem Testement（New York，1ssio）；


 Luthardt，Pressense，Littlealale，and uthers（1sisit）．
 which rise perpmbenlaty from the lihine，to the

 lat the name is thet kuow from lleine somp of the siren who sits on the rook combing letr lone
 mon，enchanted hy tha mase of ber voice，forget that duty，and ine drawn munt the rok ：and furin．The lagem is mot，however，a mechen of olden diass：＇the live form ai it was an inven tion of＇lemens brentam，pulainted in hiv ballat


 man pets．See leimbach，lie tomelci－Dichteng＂＂ （150！）

## Lorernzo．Sir Menmo．

 for thousands of miles ley the Matañon ami its
 Inioket raute from the enont to this proviner． which is only some 700 milas distant in at dimen lime，is romil the morth wetct of Suntl Amerios


Loretto（pmpury lamem，a dity of Italy．


 noticeathle as the site of the sathethay of the
 llaly Homse，whish is remented on lae tha hamse in



 formed to it preant site in legn．The chate of the Simat ratat stands bear the centre of the towns．






 matrerial ：and contmotion，hat now ramel with White marble，all rxpuixitely soulptured，after

 takern fom the hivary of the Viresin Mary，with





AI Laki The wat the imering of the charel is

 hrmat＇This sthine is visited by abont a，000 pibrimes amoally，though fomerly the number avaraged 200．014．
 Morbihan，sithated on a gowl laty， 116 miles by rail NW，oi Nimtes，is a well－hilt town，with a derp and sprebons hartour．It was founded in 10tit he the Fromels East India Company ；lut， aftor the min of that trade ly the English iowards the clowe of the next century，their flant was

 in France．The dowhaud and itremal are comse－ quently anong the lust and lagest in the comitry． athe the plate maks as a fortress of the secome class．lobrient has aclawls of navigation and mame artillory，and an ohservators．The inhabit－ ants ate enganed chatly in shiphilding and its
 The trate does not exceed a total of $100,000 \mathrm{tms}$
 thin prit the britial theet mular Lame Bridgurt dofenter！the French umber Villinet－．Ionense on 23d In an 17：
Larimer（Fry hormior，from lat．lomm，＇a thong＇），a maker of hits，purs，timpurimen，metal manting for sathles and bidles，and senarally uf all articlas of home firmine In Lombon the lomimors，whathad previonsly fumbed part of another suill，were incorparated he leturepatent in 1712： in sootioh humg they have hern comprehended as a branch of the coproration of Dammermen．
Lorimer．Jomes，jurist，was bom at ther－ hithie，in larthisiare，on the November isls， stulial at Edinhugh，fiencta，bom，and barin， wan ealled th the soottinh har in lsto，and in lsite alpuinted proferor of lublic and Intermational Law in the miversity of Elinhurgh．In 18.3 he thols a primajpal slatre in fommang the Institute of laternatimal haw．Il．died on 13th Fermuary

 athl lioth liritish licrieqs，he wrote，from the







 Sirtional ant International（ $1 \$ 01$ ）．
Laris．：weme of lammita＇，with momded heads
 atm rutimentary tail or none at all．The wemus
 Tha two sorem kmon are loth mative of the
 in mot wh lare as at cat ：the other，for grandis，is
 hathelt，the moly willed nu，and the heme hidhen

 thar inmerts athe hiod on which they prey．

Larrains was imorprated int the simman
 wron Luthar 1．，untamen the lamd hetwen the

 Noare and frimatul：hat thase prowines were －paraten froma it in soll．Amont ！ 011 the ruler Wia rlovatol from tha dignty of commt to that of dnhe．In ！nt larrame wat diviled into iwo


 that time was hama an limbent．It wat hat

 Bolsima．and ther powincts of Brakint and


 and on hif anath in litit win mital to France．It wa－attervards suthlididet inta the department－of





lary．ic chmmon mane for the matmorn of a
 Glamitar，rigilly condined th the Antralian resime．

 of flowers 1 ith thair lom－h－like thages．The two latont genera ary Triblughons and Linins：alto－ sether there ame athat ninety orecies The nann Fors in athe extumled to the gemur Falectus，in a －litferment family of parots．
Los Angeles．the mot puphlous city uf



 wan alrealy a thrivine place when the Franciacan

 In lasit ti it win the capital of the state of
 home tho l＇niverity of mathern（＇alifomiat a

 There are mandifont homaic gatern，park， many lime fublie lmidines．and a crematory．The

 －imnitant minntity The paln in lan wan maly
 of the orangegrowing inlmotry，atm！in the rity

 mident a are primpally sempen in the coltivation
 wall at the mamiatme of wine．A great mamber of insalide and othere areking a find elimate reant
 the sonth，lys Limbley am Wilney（Isoc）．

 libine，the blambe，the libome and many of their




 uf ratmate of lime athel mome irm mide．It hav a tembene to chave in wetion phanes，and than
















 timus．Some of it agall－rome lor have lown the





 han mantanme that the low in emomially a wind－




 bimpuan low is matomedty amomated with the glacial deprit－of the Cimiluent，ant in Xorth
 anme relatimehip ohtains．The atomate of the －＂uited Stano（ionhemal Survey mantan that the
 in the wreat ham traverod hy the Miwnimpinal its athluents are earentially of thriatile migin．
For a general account of the Eurmpan has，see.


 （ 1 sos）．Fur（lainere luss．sue tifela hefen＇s great work

Last Iroperty．hamint of law，the timper of low pronedy in antitled to keep it matil the moner is fand：lat there are fertain ciremm－ stances in which the kerping of it will fumbut to lancem．The rule in Enelind is that，if the finder timi ther proberty in mill riremmetanes that he ＂ither know－the awner，on ham rasmable gmands for buldeving that he can he fommo then the taking of the propety with intent to kep it will he lar－

 on，tra，whene the pumpter on the stape of a theatre piehel ug a fill mote which hial buen
 if at bhe time of thating the be be remomathe
 there is in laterny．pern themgh the fimber dons





 It has alsa heen deented that the wome kimping of a lowt antive，in lop


 alvatining for the owner ：amd it is to be lume in mind hat the peal waner in mot diventol of hio prom－





 nom latis me the piaty liable ather mo the liall or










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 a rabline data and extremely fertine＂acelt in the smath－wort，whore it is invabed by tha Lander （け． wime（or milim wallom ammally），lemps，fatio

 amil chonimt woml abe numerons．lomltry are


 di－bilholic．and lammrian

Lothiant．the whate teritury andiently astween

 limalls ammeved tos sonlami till lols．＇Thh＂Hatme







 ： 1 ＂：：
 this mame in the britiol fhatmanduedit are the






 ：










 they formot all about their mativo comativ，amb hat




Lotlerver 太r＂







Nymplaca lotus．
to the matmal water himmmere（spe Jratere）．The
 is the litumean late．The natme hothe was al－ur －iven to reveral hathtital speriow of Water lily





 is raten hy the popho who live near the lake Jian zaleh．＇Thir risulets near lomiettit alomme with this thonery，which rises of fort abowe the wator．It



 It frembenty aprese in the hidrogly plas，where it













 win lurn all lantzen iz：Smomy，on olat May inl\％thalial hasth moliame ani philoserply it


 latt liend on lat laty of that batr．It was ate at




kratt．：and arsued for a thomgh woing medranial treatment of the phenomenat of life．The whe
 Bmity Lefe（ $1 \mathbf{B}, \mathrm{~B}$ ），and led mamy to rank him with the materiadiate thinkirs of the day，though his toal phatosphical ponition，to which he manamed comstant throngh life，had hem alrondy eypresed in his Motophysik，puhli－hed in lsil．The most comprehensive statement of his views on mature and man is containd in his hiormosmes．pulishod
 wols．Nat）．liy this book．which he calls an attempt at ant chthrmblog．：and in wheh he in－ wokes the examble of immer．he is mot widely known．has attrative style ant the semi－poghlat charater of some of it－dingi－itions have contrib． uted to make it read berom the sedmols．A more sstematic preandation of his thaysht on which he wan at work towarils the close of his lite was cut short lig death．Gnly two of the three promised
 18so：Ent．trams．（Nat），and the seeond on Metre－
 andition to the worli－named，his Ardirinish ip
 in Themprhhent（ssis）demerse mention．The paramphit smmarie of his leetures which he was wont to dietate to his students，bublished in a serie－of sumall whmes sime his leath，aflom a nse－ ful compleethe of his riews．Their jublication and tam－lation into Endi－h may the taken as a sum the important inthaner which Lotze hat of late come to exprise um emitenporary thousht． Philn－hमically．Latze comes of the lineage of Leimits amd Herbert ：he starts，thatt in to say， from the－tandmint of indivilualism on monadism．
 and the terman iftertists，and he rounds ofl his indivination with the chotrine of one infinite real
 contides this the only summeition which can explain the action of indivilnal thines uron one amither．Lotze canies on，however，a constant phemic araimet what he combiders the exelnsively intellecthal amb abotract chamater of Ilegelianism， and his onn philononhy may treated as in great part a juntification aml retarertion of feeling－in ＂ther words，of the demmale made by man＇s ＂thicah，esthetic，and relimbus instincts．His wher folemic is asaint the so－called sementitie philowophy of the ats．White conceding to nechanisin its fullest rishts in the explanation of fronts，hotze eremwhere insist that mechanism givo oaly．as it were，the scathbling of existener． and that the meaning of the mivorse can only he read in the lioht of the lifhent thoni．Abechaniom
 of purame．Lotzes dortrine is theresure a telen－
 thans．His lintinetion，homewer，iv not that of at
 tondener of his proteceson indernan philuophy；







 year later exalnomel intor that of Intria，sum









 gruins，sce his Life by colonel Balleman（homil． Iいい）




 （1）Hothonsers：later he woote．with antaldme that mother ill health nor por circum－tanes cand
 of a manewhat pophar ehamener，whin have ＂Hontrinted much to extend a hawlerge of that siome and a tante for lomombure ．Dmonst


 and the Arboretum of Finticetum Britumiovem （ 8 vols． 1 s 38 ），containing a very full acomint of the treen and shrub，intigenoms or introlucel．growing in the open air in Britain．This latt is his greatent work；bint the expme attendine the publication． owing chally th the number of plates，involved him in pechmary diflienties．Ine died at Bass－ water，December 14，1843．Lombon estalditheat four dillerent magazines，whirh har edited simal－ taneonsly with dis Alborthom．In his womk he wan ermatly ailed hy his accomplished and devoted wife．

Longhborongh，a monicipal horongh，incor－ proted in 1siss．of Leicentershire． 11 miles NNW． of Leicenter．The Decorated parish elmoch dates frem the Ithe eentury，hat has a ferpundioular tower．The grammarschonl wais fommed in 149 ． the girls erammar－sehol in lsta，and a free lihary in 18ss．Itoiery is the staple mamfactme：and
 liell（o．s．）if st l＇anls beins catst here in 1－5． Ther industies are lyeing，hrick－making，and the manufacture of machinery．There is in antive trade in coal．John Howe and（laveland wore nativec．and Wedherhmon tom honce his tillo hand
 Sae binark－Flatelar＇s two momaraphe（1503）．
Loumineat．a market－town in comuly Galway． heautitull sithated on a little from wath lake． 17 milessty，of billimashe．It has mins of a a－the iunl fimmelite monastery，both of about 13010 ． lop ：an！

Lomis I．of Bavarial．See fivimat．
Louis IX．．or St Luthe king of France，
 father，lanis VHI．，in low His mother，lamone of（＇istile，a woman of ereat talent and sincere giety，was regent daringhis mimaty，amb howed on him a strictly relighous abluation，which materi． ally intluenced his charatur amb policy．It han Latio attaned his matomity he bedture inwoded in a war with Hemy lll．if Enolamo，and ly his

 danmans ithem he mate at vow that，if hat
 ath anombings，baving alduintol him mothet











lare nomber of bood-relation anoms the duke and comots of France, he ured these to strensthon the 'lugitmist' loyalty to his homse, detemumen lig the I'rarnatie sanetion the relation of the
 collowe in l'aris fanoms moder the name of 'la Sorthme. gate frame a mew jolicial ormination hettins mp in the mownces mal comto of fintice or parliaments, Whith superded the juris. diction of the 'lom of the maner, and gradnally
 the king recraitud their divil wrant - A come of law- wis hronght into uece lnewn as the Rthbliserments do st Lome lomis embarked on a new
 hat a fertilence baking ont in the French canp carried of the ervater part of the army and the king himself. He hed Angust $9 . \overline{3}, 1270$ and his som, Philip, Ill., was ghad to make peace and wetam to France. Pope Boniface VIII. emomised
 (q.v.人, Lomiss inem, and Watlon's life of him (2d

Lonis XI. Ling of France, the eldest son of Charle- VII. born at bonrees, Jaly 3. 1423, was from his buyboul minently crnel, tyramical, and pertindinus. Ile mate unsuccessinl attempts against hii fathers throme was compelled to the to Brabunt, and somotht the protection of Philip, the Chod, Duke of Bursundy, with whom he remamed till his father's deats in 1461 , when he sumereded to the ermon. Tha severe meanares which he immendiately admed asainst the sreat vasals led to at coalition asainst him, at the hoad of which were the great Inomes of Bursmaly and Brittay. Lunis owed his sucets more to his artfinl pobin: than to arme: and, the war threateming to heak ont anew, he invited chates the Bohd, Jobe of Burnuly, to a frimally conforence at lerome in Oumber l4bs. Llis agents meanwhile hat stirmed II the verple of Liege to revolt arainst the duke, in retum for which deed Chambs made hime a prisomer, and compulled him to asociate in the pmishment of Liequ. Full of resentment, lamis then stimed uparainst Charles the Feminh towns and the swi-s mpmblies. It hocame from that time a practice with French hings to have Swise meremarids in thop pay. The swiss defethend Chaters twice, and killed lime in a last hattle ( $14 \%$ ). Lamis thom damed lhacumly as a vac:mt French fief, hat was purented from saining presorin of charlases Fleminh lamis lis the Harriane of Mary, (ha rightiol hair, to Maximilian of Inatia. Thi (rapos of the latter defeated the liwneh at dimmate ( $140!$, hat the wat was ronewem on the doath of Mary, A peace was rom-
 ronntion of lingundy and Artoi< were fianion orer (") frame. Lomic wan alon sumesul-ather the nax of matas far from bomomathe-in anmexime Prevene to the arown as a lapeal biof. In order to weahen hic fembal vasals har ereatly in reaned the jwner amd mmoner of prliments, an institution iteremble to the towns ame the thindle clans. and to whill le lexath to arant at biee in mather


 wismally a hather, but made a coment : Triotan

 -ive herrer of doath, which superstithms and berethe
 Tours, Sugut sib, Itas. He is satid to have luen

 fiomers at low of intraction for his som. lle fommind three maiseritics.
see the contemporary Memoire of thilipe de Comines (4.v.): works lis lerpay (lotit, Willert (in biglish,

 well-known play Lonis M. is by ledivigne.
Louis XIII. ling of Franer, sum of Hory IV. and Marie ale Merlici, lom at Fontandheme orth reptember lGon, sinereeted to tha thome on the
 heing called to the resenty ly :m whet of the parliament of lavis, which had focpuired a riolat to brak in the name of all the othors. She cintered into chore alliance with Spain and the f"pre and lutrothed the ling to Ame of Austris, dinusher of Jhilip Ill. of Spain, upon whid the lhandots took up ams: hat peace was comrlmied at st Menelhont on 5th Day 1614. The hing. who was now deelared of age, contimard the Ediet of Nantes, and in the same year the Firenell Etcots Ciemmor-consinting of members of the clerge, the nohility, and the middle clanso, a buly more ancient thian the parliaments, and in whicla the buser, enisie siden with the king- Were smmmond for the last time, as the erents pused, till the reign of lauis XVI, for this constitutional chamber showed iteelf powerdes to anree upw and follow ont a policy. The restoration of 'atholic churela wight- in bearn led to the relicions War, in which the lrotestonts lost almone all their places of security, and which embed in 1622. After the death of $1 \%$ larnes, in 1624 , Richelien, afterwads Cardinal and Duke, hecame the chief minister of Lonis. Llis powerful miml ohtaned complete control over that of the weak kings and his polioy effered that increver of momarrhical power, at the exprose of l'rotstants, nobles, and jarlianents. which remelel its consumation in the reisu of Lanis XIS. The averthrow of the llaghenots was completed he the capture of homplle, soth Uetober lows, it the shay of which the ling took patt in preson. licherin now leyl honis to take pat in the Thirty Years W:ar, "urnly supporting Gintarus Whophus and the butch againat the Samiand and Inetrims. The latter vears of Lonis reign were sighalised hos
 acepisitions which were eontimed in the following reign. Loui- died 1tth May leteth, I'uder his reign way pegarel the perion of Fremenambency in burpur llis quen, after twenty-ther sears of married life, bure a som in lo3s, who suce ceded
 vom, Philip, lmbe of Orleans, the ancestor of the present llome of Grlems.

 (185! 1 ).

Louls NIV. king of Prance, born at st
 his father, Lomis XIll., in llas!. It is motire, Anme of Du-lia, berame resent, and Matarin (q.i.) her mimistor. During ther kinges minority the dis-
 -hake oll the athority of the ciown, amb the eivil

 marrien the hifinta darja thereat, it priness
 qualitios little war expected from thr sompe
 ramber was diondute: lont on Matarin': dath in
 :und from that time forth raried into ctlect with mate enerey a politimal theory of pre de-vatiom.

 was amommonated. Ile had a cool and ratar head, with mod dignity and amenity of mamers.

Ereat arefivity, and indomitable fersumpatme.

 Whels was favourable to his asemmpion of absolute puwer. IVe was ably suphomted liy his ministors. Hamufartures began to thorish nimber the rosal
 amd Redan, the taptratries of the binhelins, the "ajots of lat savommerie, and the silks of Fours and Lams actuized a wide celthrity. 'The womber.
 the mined finances of the ponntry, and posited the mo:an: for war ; whilht honvoiz (q.v.) apled thero means in raixing aml semding to the dielal amots more thoroughly equiped and dieciplined than any others of that atre.

Wh the death of l'hilip: 1 V . of spain Lonis, as his son-in-law, set up a elaim to part of the spaninh Notherlands : anil in 1667 , accompmiedshy 'Turemu' (g.v.), lue crossed the frontiter with a powerfal army, tomk many places, and made himself master of that patt of Flanders since known ats Frend Flamims, and of the whole of Franche ('onnti. Th ${ }^{2}$ foriple allionor-betwern Englama, the states. Fomeral of llollaml, and sweden-arrestod his cararr of rompest. The treaty of lix-la- ('lajuelle (16is) fored him to surrender framehe Comti. If H vowed revenge arainst the States-meneral, strenertiened himself be derman alliances, and pirchased with money the friend hip of thates 11. of Enorlant. Ila seiked Larrane in 1600 and in May $16: 2$ astin entered the Netherlands with timble and Torenne, conduereal half the comatry in wix wereks, and left the Inke of luxembmarg to lay it waste. The fiates.general formma an alliance with Sban amd with the emperor, hat Lmas male himself master of ten cities of the empine in Alsace, and in the spring of 1674 took the liell with three errat amise, of which he commanded ont in [1t ${ }^{2}$ son. Combi: another, and Turenne a third. Victory attemind his amms: and, motwithstamdims the death of 'Turenne and the retirement of the Primet of conlit thon ative sorvice, he contimen in shbequent vears, alomg with his hrother, the Thke of ibterane, to "xtenal his eonratests in the Neplerlands, where her his orilers, and according to ther rathleses fustioy of Louvois, the country was fearfalls desnlatme. The f"ace of Nimesuen in 165 left him in prowesimen of fortreses in the
 now establinhed Chemthes re Iotmion in Mat\%,
 which his own will was shpreme, and which con
 "omparents, terithrise which he winhed to atopuire.
 Elentor of Traves, athl othors. lla also, , on
 atamk on Statshmer : free Cerman rity, the




Lanio had now reached the zernith oi his raver.

 military orlory (or resimel him with Asitide hmmility, admiring stn! whying: all rombatho of politiacal







 to the kiner, whor wis hie own primeminiater.


with the odinary anmore of latw, ly the alduint. ment of eonamision- on withdrew othembere frem


 pleasure of all properties within 1 he hommation of his realm, and took emelit to himmeli for aitrions morleration in exercising it phaingly. 'Thu' romut was the very heart of the politieal ant mational life of lirance, and there the ntmost sphembone was maintainerl: :and a wistem of etifuntor was miab.
 the king.

It was a serioms thiner for Frame ame the worlat when lomis fell moler the eontrol of his mistras, Mandame de Maintemon (y.v.), whom he mamiorl in a lalf private mamer in lisi, and who was harself govemed by the ofshits. One of the lirst effects of this change was the moption of severe measures arganst the frontestants. Whan it was falsely rejorted to Lonis that his tronge lad Wraponed all lereties intoramersion, lae raoked the Ealiet of Nantes in 16sis, and then emsad a honrly berveention: whilat more thin half a million of the best and most imdonations of the inhalitants of France lled, carryinor their skill ame industry to other lames. Jet lanis was by mo means williner to yield ton mand puwir to the piope; and, quarrelling with him eonerning the revennes of varant hishopries, he comsernent it commeil of [returd clergy, which ileclared the papal prower to extomd only to matters of fitht, amd wen in these to be dependent mem the deroters of comorils.

The Elector of that latanate haviner diad in Nay 16st, amd left his sister, the forbiess of ODhans, heiress of his mowahle property, Lomis clamed fur her also all the allontial hathe: amd from this and other cansen arose a new Enropean war. A French amy imaden the l'alatinate, Baten, Wiatemberg, and Treves in l6ss. In liwe the lower l'alatinate and neiohbouring rewions were latid waste hy fire aml swomal. This atrocions proceding led ter a new enalition against Franco.
 tionlarly in sumy and at the hattle of thinherk. liwnerses, howerer, ansued ; the war wan wasal for yeats on a preat seale, and with varioms suceess and after the Frenel, under Linsembont, had pained, in l693, the hatte of Serwinthon. it was fomme that the means of waning war were very
 of Ryswiek on goth September 1695. 'I'he maty


 W'Areman at the hean of the pulice amd atab.
 maintmance of his own hap"otinn. The foner of Madame de Daintemom and leve clerioal alliners lorame mone amdmome aborlute at the cont, where somblals of every hind ineretsom].

When the derath of tharles II. of stain tomek
 lonis las ohtamed his sigmathere to a will he whisla lat laft all hiv dominiano to whe of the eramdans of his sinter, who had hern lamis's gueert. Lonis


 V1. Jint the jubur of l'ratuer was mow weaherad, atil the wat hat to lne maintainal both withe inle








On the llati heril $1: 13$ prace war condented at
 thens, lint France sacriticiner valuable whomas. I toribla formentation now peraidoi in liame. and the comatry wat athost completely rabued: lont the momath maintained to the lant in minemp.

 aramom, lonic XV. Hi- som, the daphin, and hi- eldest gramdon, the luke of fertimy, had
 chidern, and he had hecitimised thene of whom
 lari- palianent, whiph made no ongetion to
 little whacetion to ammblase it whem required by the nevt gumphamat. The 'Horks of Lemis XIV.

 iomation an to live rhatere and the himory of his reim. The reign of Lomis XIV. is remated as the - Hugatan aqe of fromeh litelathe and art. and it wal hatidy lee domited that Frame has never since produch poets like comoille and liande in trasedy, or Soliere in comme satirists like Poilean, or chard mators and livines like limenct, Fenchon, bomblame, and Marillon.
 of Naintsimen (liss: in Foghoh, ahomed, 1sion) and other work hy (tailliwh (ti vols. 1sil- $\mathbf{6}$ (6), (cosiac




Lonis XV. king of Frane the great-iramon
 1710. ancented th the throne lat september 17.
 was rend daring the minority of the king, whene ednation was entumad to llarshal Villaroi amb Gardinal Flemy: The resent and the comery lwean incomprehmibly infathated will whe manmial sethemes of the scoteman Law (q.s.). All avaitahle capital was drawn away fomagriculture and trale, poekeded by the financial eliques, the cont, and the state, whene delet was therely sulnatially rellucel, and worthlow paper-moner
 and sion acompaniol in high places this timanciat insanity. When lamio was tiftern years of ame he
 the dethromed lime of Polami. It the twath of the regent amd of his ohamelow brime-ministor Cimetinad bubis, lamis regend persomally, and put at the hand of atlaic his ohl, wise amb prodent

 hia fare arsint a warlike potiey.
Lomin hating lacome involial in the war of the Prilinh suceran thongh his fatho in law, the. buchy of Larmand was without much bighting ohtaned for the latior, and for the liphel crown after him. When the war of the Ahatrian sumen

 military when in supput of the elian of the pincerenetor of Bavaria to the imperial crown. Lomi- was then falling umber the inthenere of a

 deliverod him into the hath of vios. Fhary hot





 saty: lat in tho followins year frane in alli
ance with fremberiok the treat of l'rowis, was
 for imather, where lamin delighted his latest miateres with the tight of buglinh, Duteh, and
 put an "and to the Fremeln nary and sationing trate. When ן"ene was sigen at dis-lathapolle France havl nothing to duw save the ruinur diomranisadion of har timatera.
Tho hing now sank completely ander the control of Matione de Pompadone, who wes luth mambine and provimes, athl to whon he gave notwo on the foblury for emomons shms, anmonting in all to handreds of millions of lives. Win bone ont again witl Sritain concerning the hambaries of Acalia (Nora Nontia), and wat for some time
 atmamathary alliane was fomed hetwen Frame and Antria, contrary to the folioy of ago, and thiefly throush the inthenere of Matame de Pom-
 'rotestant wower, this atliance hal mo other fesult than limphick the Greats complete vietory wer the Framelat lamelach. The otate of the finamere, the dipinited combition of the amy, and the ontery of the di-1pesed poople were hot sutherint to induce the hing to make prate: but. enverned be his mistras, la abotinately persesered in watr, even after the teribhe deftat of Minden in 15:3: whilat the liritish empuewd almost all the Frand colomie both in the Liost and West Indiac, with t'aje bretom and Camata. A peace mont hmiliatine to france was at last comelodent in $1=0$ an

Lemis, althems inlifterent to the pin of his
 War reheranty eompelled to tahn burt in the com. test letween the laris parliament and the desmits (q.s.), the resnlt of which was the sumpession of the arder in 1264 . 'The parlianemt, embohemen ly ancoses in this content, mow atempert to limit the pwwer of the rown ly refusing to register ediets of taxation; hat the king maintained his own alsolnte :ant sublume anthority, thanke to the indifierence with which the peaple and the midille class viewed the privileres of the moblesse dic rolic. The luc de chateml was now dindarod from oflier, a new mistress, Maname dn bayry, having whe into the plate of Matame de lompatour ; :mal a ministry was formed mater the Dhke d. Disuillon, every member of which wats
 The emineillor of the parlianent of f 'ari- were
 imlignity: : the interim parlianme wats appintad (.bantary läl), which duly oneved the comer. The prinees of the homb protered anamet this arhitary act, which left thom without iny mems
 toh of the min of the cimatry and the minery and diseontent of the people, only wimbled that the


 in limane, amb wat math wratilion when the momerne ate eagery of the di-hers whel ho hat

 in lis. year- ammated to komillims of liven. It lat Lamis, whene contitmion was alrealy
 -nged with smallaw, and on loth May lär he









 -him of houis XV . He was styled Jue de liemi matil. by the death af him father amd him ehler
 frame. wat fobl of hatime and manly exercis. tomk great fleature in making lowh and sum
 gematery hat mone fur phitieal wimere lat the
 tomparate, loneot, and moral. He wam matriog on
 danghter of the Dmpmo. Maria Thema.

When Lonix anambal the throne the pulice treanay was comply, the state hurdenel with a delot of tha millimi- of livere, all hambing erent
 welotrt of taser, aml all respect hal ame from
 -nnatly fall of emol-will. he fated to reatrain the exerse of his hathers and to resist the inthence of hio pram amblhohamed comat. He yiehed
 Danrepar, an incoburetent and harow-mindes
 parlianment their semipolitical right-in the matter of public expmoliture and lueal taxation. The ance-imu Malowherbes and Turser to the miniory hamaled thombluming reform- whiol Voltaine hatent an the "Hawn of the age of reaten" in French
 king, were reporal by the chart, the arinomacy,

 of ame of the man whom taxes, the abolition of the lat relice of athon, the abolition of terture in julicial incertigations, a reduction of the expenditare of the conart and the fombatime of impan-than- fur the bentlit of the workingelanes. Ile Wa- for at tha extremety fophar, thomgh leoper reforms were remprel imporible ly the "Inwition of the privilewn elawen and the obstimacy of the quaren. In Tunt 1-:- when the stilte of the



 in the Anerivall wit of independence, lat wat




 tinamere renoworl for at while the stleman of the chat. At his wite "mbl, he whicel the allime






















 atill worse when mi hith Ambat alpurat the






 comat, the Third Estate wan colleal in domhar num. har. While in man renpets the precelant on in $16 i 4$ was : miluered to.

 faniliar with the modacholy incilents of his hife. from the oproner of the Arombly of the State ( ith May $1-99$ ) itnon tu his thuie execmion. It ten whok in the maning of the elat of dinnaty

 vant any reache. Ao the exventimer lonnd him



The shate of the firench in the Aberican war of
 sude in the drana of this refon. Jramhlin kindled in excitahle l'aris shell enthuriasm for liberts and democracy that the Mampio d. Lafayette amd
 sea in defone of Englamio colonion. A fomal
 Hinney, athl hiph.
 and works by ulavie (1sm). Bhmmerean (1-29),



 I-S. receised the titie of lombe of Nomandy, till, on the death of hiv hother in 1 -st , he liecane dauphin. If wa- a frominines lay. In the earlier days of the lievolution he wis simetime igeowel in the unifonn of the National finam and decorated with the aicolor to gratify the prombace. Diter the death of hiv father he continued in prime -at
 her-in the Temple, mater the ehane of a hmal







 unitumati.

 the lierohution prow imithers, and this fant crave














 -f

 tion he dixaplearel. The third fizae lani- XVIl.,
 wat the so alled lone de Richmont, whow froper namm was F'ramens Hemi Hehort, a mative of the limen listridt. The bleat that he was at som of I, mis XV1. tirst possesed him abont $1 \times 2$. Ster llas Inly revolation he potasond in at simise of wringes amanst Lous-lhiliper, and attempter to prish his rlaim hy hemoires. In ls:4 he was
 later -ucended in makinit an Mat" to lomblon.
 ahhe 以amant was the l'ot-rlama watehmalorr, Kiarl W'jhesh Xammonf, whone clam resed an a strik. ims bomblom reacmblane After many aroses in
 vern inmbinomment. be foumd him wily to l'rance in lsisu, hat wat expelled three rame lator. He madn hiv way to Emolamd, and died in lista. Ilis chiburn asommed the mame of liombom, amb in 1sib and $1 \times \operatorname{tat}$ raved fontless actions hetore the
 Ser Elizalnth Evans's story of Louis LIVII. (1s93).

Lonis NVIII.. STANISLAK XAVER, the next yomber hrother of lonis SVI, born at Verailles. 17th November 17\%. received the title of comnt de Provener. In $1 \% 1$ loe married Maria Josephine Lani-a, daxghtor of Vietor Amadeux 111 of Sambinia. Siter the aceesion of Lonis XVl. to the thome he anchmad the dusishation of Momsions, and herame an opponent of every salntary meatare of the
 night is the ling. ant was more fortmate fors, takiner the wand hy lille, he reachent the belinian fromtion in satoty. With his brother, the C'onnt
 ravoluthanay amue in France, whinh hal at very mafommahbe eflect on the situation of the kint. The twa bothers for mone time helal a sort ai comer at coblenze lamic joined the lumly of bomo emigres who acennpationd the l'rmsimes arroms
 even more fonlish and extravagrant llath that of the lonk of limmswiek. Sfer the doath of his
 stm kinis of Framer, as Lomic XVIS, :mal in 175 himalf al-mmad the title of king. 'The vietorits of the momblir and Napoleons enmity to the bombon fanily comperled him frequently to chater hix bla, of almate, remorine from man mantiy of Enmon to amother. till at last, in $1 \times 1 /$, ho fommal a
 llatwell, in binchine ham-hime. where his wife dient
 Xajulan opened the way for him to lhe Framels

 foum vars" the illiol ammes, had bern promater for her 'l'alloy



















Waterlow, and retmmod to liance mater the pros tectinn of thr Duke of Weellington. Ile isoned from 'ambrai a prockmation in which le acknowIerlged his former errurs, and promisul at gemeral ammesty to all excent tratmo. lint the ('famber uf brpmeties, blected with many irrenularitios. was $\therefore$ famatically royalist and veactimary that the kingr hy alvien of the Emperar diesamber of
 phots for his rlothemement and the aholition of the ehater. Bamals of asasoins ware mollected by mblex and pritent in the prowiners. who sew limitrels of allierents of the lievolution and of l'rotestants, amd vears elapised ere peace amal
 Ty revalisite fanatio. the king dismissed his ton monterate prime-minister lomazes, amd conlal mot provent an arme from pasing into Spain to maintain there the right of almolnte hingehip. He died lith September lse4. Sien latits Louis IVYII. (1ssit).

Loltisal, queen of l'masia, was forn loth Jameh 17a, at llanower, where her father, lake kiarl of Herkienhmestrelit $\angle$, was then eommamiknt. She Was married to the ('rown-prine of l'russia, aftarwards loulerick-Willian lll.. on 2tth December lios, and was lhe mother of proberiek. William 1V. and William 1ll., afterwats cmperor. After her hashanl's andession to the thone she bocame evecolingly popmlar, lar suat heanty being uniter with dis口ity amd grae of manmers, and with moch
 This popmarity was inemand hy her eonduct firinge the berind of national adanity that follownd the hattle of hena, when she liopliyme wot only a fatriotic nimit, lmt mo little energy and recolution. she especially embared hemelf to her people hy her hearing whon compelleal to molure insmlt at the hands of Nipolom. Slo died in Strelit\%, I!hth duly 1810 . 'The l'masian Malor of Lomisa, the Lamisa showl for girls, and the Lomina (fovernemes Saminary were inatituted in her lanomr. There js a beantifnl mommont ame portrait-statme of her by Kanch in the manoolemm at 'harlottonhares. sies low life mod Pimes, by Fi. II. Inulsom
 Martin (185T).

Lonisbures. a port on the sontheast cont of
 Sydney. It is now inhalitad omly hatew hishermen: "hat there are the ruins of the aha tumn, whel moler the fromel hat at larer export trade in conl, aml was the strongent fortues in Nonth
 had already been baptural hat the New Fumband colomints and an linglish minalon in 1745 , and reatured in 17an mow it fortilicatioms, which hanl been dhirty youm in haibling and co-t wor a million sterling, were lomolished, amol it fambally ank intorain.

















nummens, hat wild, and head-hnome; they reme to partake of loth Malayan and l'aboun charate terivite.

Lanisiania, one of the Galf atite ui the Amerjotn l' nion, extemes alhont emmiles irom morth to

 beremine on the inlt, is $40,-60 \mathrm{~m}$.

Cortarany:

 twetwen allurial lands and mplank. The mean elevation of the state almo reaterel is is feet, it-
 the tinlf, mar-he subject to that thow cover oneeighth of the atate antire surfare: law, sandy pine Hat- and prairie lands ceeng almat one-eighteenth tath, arahb lank one-cirgth, the flowl-phains near the river me-tenth, and hafl hamb, pine hills and nplan- more than ome-lith each. Mont of the large risen flow alowe the level of the surrounding combry on ribges formed he their own deposits and the pains amma, protectal hy dykes (eatled forecol. Shpe away into dense vomled swanps. The hotom-lanls of the Missiwith are from :20 to it mile in brealth. those of the lion, Owachita, and wher streans range fron 6 to 20 miles. Inat althum the thulphans lie below, there is a lare area thove the rivers high-water mark. The uplamh whmare ath the morthem amb north-eastern part of the state, inclining yently towards the someth, ant cro-ing these are hatr hands, extending thmoth the alluvial lands the Gulf, and formin: Whmbind - istands encered with vegetation. Sor is the immense phain surounding these houtis ever inumbten. lont elevated and fertile, traversed by deep baym- (as mimor and tributary streams are ealled heve). Even in the enat marshes oecasionally an i-lamblhill riow, with suil tirm and fertile: and at wher puint-cattle praze, whilst thonsands of acre barly are being drained and rechamed and phant with rice. Beriles the Mionsiply the chief river arp the Led, Silhine, Uuachita, and Pearl: the entirn river navigation of the state reaches nearly 3 कn mile, anil there are also several em--iteralule lakes.
The mean temperature ui Loni-iana is from fo tu iof F., the elimate lwime aitened ly the waters within and aroml the state, the pothe rainfall (t: the: 3 ins), and the brepes irm the (inlf. The verention in mont hart-is lusuriant. The forest are dence witl then- pine, whres, oaks, cottonwonl. manolia, fulkr, beech, de. Fruits are ahmbant, wanges and lisen the mont important. The waple rrops are contms, ousur, rice, and maize. Thu Laniana cottom rong i- alnut at tenth of the whene crold of the I nim ; it. rien apo is a hali of

 produce of the C nion. Wine is atwomat.

Fhe pincipal mamfarmpes are hingles amid
 chothing and lants ant whe (log machinery)

 ni impurtane in recheralt, which is fomm in inme









 Shw whene the julden of the di-trict comets are
 for forr yara. The civil law freval- in Lomiana.
 adopten in lse. Ther stan arturns is member to congron. Edacation is tairly well prowided int. and incrased attention is heiner devatell to tho
 and Herhanial Cohbre is at hatom linger, the State Normal Schan at Natehitumb: the Sombera loniversity, at New Orhan, in mathon bo the state, and in the same rity is the Thame linver. sits with dopatments for lalis, and for training in the manal arte. See New hamens.

The state fome part of the povine of Lominima,
 enommoly litger atea than the state-namely, the whole westem hasin of the Missisippifma Miptien to the Canalian lakes. (See I Naten Srater, and the map there at p. 3ss.) In liwe Lat salle (1....) sailed lown the river and clamed the conntry for France, naming it Loniviana in honour of Lumis NS… and plantime a coluy at a point as miles below the present site of Kiow Wreans. Siter an menceessful attempt at colomisation by therville. the territory was handed wer to the Minnsiphi Company, umber John Law (nee Mcomsontid schemé), and New Grlean was fommed. The company rollapred in 1720 , and Lomisiana re verted in the crown in 18:32. It was meded to Stain in 1202 , retroceded th France in Fow, and rold to the Cnited status lis Xapoleon, for 60, $1100,00 \mathrm{franes}$, thres vears hater, leing ahmitted as a state in lste. althong the portion between the Shiwnippi and learl rivers was mot actualls aepmired until the Florida purchase of 1516. The battle of New Orleans (sth danary 1815) and several ehanges in the comatitntion are the only noteworthy evente in its history until the civil war. Lomiviana seceled in Jamary Istil, and New Orleans was captured on 2ttla April $1 \times 6$. Ware than a humdred hattles were fousht within the limit, of the state, leaving ruin hehiml, whose effeets are felt to thin day. Prmperity, however, is retmong. ami is estabhishod on a hatio more smmod and satisfactory than of old. The linances of the state are in a healthy condition. lere homis nearly at par. Since 15 a molitipal disturthances and inthreaks which hat followed the feriond of reconsoruction hase eeated, railways hawe leen extended, and the awored valuation of pros perty enormonsty increanel ; and Loni-iamás ohipf tronlles have leen from the lumbing ai the levees, althomg mone have prowed so diatrons as the terrible thenl of hat. when one-sixth ar the state wan inumdated. Sea' Cayare, Mistory of Lomis-

Propulutom. - The priacipal cities are Now orlems, Shrevpert, Batom hama (the rapital), aml Monrow all the subpect of elarate andi-lo. The
 comers diatione are -ompwhat in beyon of the


 it Lonivitha dons not imply any amixture of
 of Suani-h :and latian descent. In mont of the






## lanis Napoldom, Ste Numbens




 and aftemathe that of buhe of ehatran. Ilis andavation wan entratoll to the cetre of the celle
luated latame de (ienlix, He entern the Natmal
 of the (omstitution, afterwarls that of the batobins. Amer with his father, he renomoed his titles, and a-bman the sumame of Eqaliti. Ile showed lath emmase and capacity in the ware of the repoldic: hat his situation home wry dangemes after tho nncucoraful inat te of Xeerwinden (1793), in which has commaned the eontre. He was includerl in the wher for argest i whed agathet his semeral in-
 ahme with lim into the Anstran territors. Ile -mplt in Switzerland it plave of recority for his sister Alclaide, windered ahome anomper the momtains for fome montlo, athi arempted a situation as teacher of sechraphy am mathematics in a selowal
 Clabam-Latomr. Ho afterwatis wandered for mone tine in the north of Eurome, wal then went to
 In lang lae tomk up his adoule at Twichombam, now lemion. with his two sommer brothers,
 marrion Mario Amelie, danmber of Fendinand 1. of the Two Siciline On the fill of Nambern be hatened to latio, where he was received with dje
 tiom ha recoved his ereat wates, which the imperial poremment lat requmtrated. Disliked ly the conmt, he was very puphlar in Paris. The rewhation of 1830 -the ', only revolution'-havins endel in a didony of the comstitutional paty over the republians, he was anminted liontenantcheral, mainly on the polmal of the bank Lafithe and of demeral Tafentle. Thmomer to the winds the divine rielle of the lominns, lie accoped tor reign as the eleet of the sowmim people, maler the trioolor blas of the rambice ant of Xagolem. Te had against him the altratmalists and the repmblicans. and indentitied his rule with the lentrequisi, who supplied him with a policy, ministers, and moner, in return for their ascentrom: Ile wan dublied with the nicknane of roi-ritogen, his swam was ralled that of Justrmilion, and his adriom wore set down is dutrimures. He reisned for the material interesto of France, :man for tho of the llome of Orlems: himself a mont weathy lingo, the eomatry poybered moder his rule and the midne dasses
 kingehip renten on at momeratic binis, to which it orrw bure and bobe butme. The revalution of
 and rans in it revival of tiluralion in many tates where Louis lailiple womblave thonght it faisotic to give it diplomatio mentitary ansiat.
 and commmistic doctimes mate pronala : mome the repmlicans at hane by l'romblon, Lanis
 reated on a frambine whid limited the dereme to the aristertary of weath amb their hamersom.

 corruptions of the besergmenes. athe its wholecale

 grimuthe of ripht attemptreat murior, which all fitiled. A matn of wete ability, lant of litale










Repubicans, socialiste, commmints hecame more and more thentenins. In vain did Lemis-l'hilippe mowide ly campaigning in Agrria, an omthot for the military spirit of hin sulbjects: in vain did he tix their attention on foregon athairs hy supherting tho kingshij, of Dehomet Ali in lexphi. A home-

 attack, and reverely momend on the part of the gowrmant ly serome to an mathe law of the "amen sigine." led to vident Aletrace in the Chminer, in whin 'Thiers, then in the onmosition, helper to weaken the jusition of the flimeminiter finizot. Yet parliamentary menn were about to foil the ropulican deputies, whon the
 Fehnary 1848, with the emmpieity of the rembar trowns, the mational guate, and the muncipal poljee Lonis. Philiphe dinnised Gimet, and formisel veforms: hat it wan toolate. He wan momfelled to alulinate, and, :mind the indilemone of Almon every Prmanan to hix fate, pulal at wign rematialle for the wase of tibralism in which it tork its tise and the whitwind of dentherary that swept it away. Demeted ly his churtiors, he fled to the cosast of Nommaly along with him queen, conceald himself for some dans, and at lenuth ence? He died at ('liremmen, D6th Aughet 1siut.
 Deke or ) ; wrots by the Darquis de Flers ( 1 sidy and Imbert it Amand ( 1633 ). C'rétinean-inly ( 2 vols. $1 \times 62$ ),

 Villencuse (1ss'd), and lamel (1s!0).

Lonisville. the larrent city uf Kentucky, a port of thotry and eapital of . Teffersin comsty, is situated on the (Hin, 130 miles helow cimejnarti. 'The river lore forms a spripe of riphids-the frills of

 The aity, which cowers abme 20 st. ma., is hame comely hoilt, with wile and reqular strents, on a lewn fhan, ami shoming from the river. It has a limnan (athohie cathedrad and lanothorelarelses,
 drotistry and of pharmary, a motor of phambery for

 there are some forty joblio and frivalle maritable
 tobibere in the world, and lats large pork-pheking exiahlinhmonts, distillories, amd ammerise Fixten-
 ans and water pipes, machinery, thor, ami rement are abo darred ath, The elly is the terminms of a mmoler of ralwar limes the ohio is eromerl here ly twa ratway lindiges, one of them neaty at mile lomer. Lonjuvile wan fommed in lots, ambin 1780
 tromp were then assiathy tha Ameriman in the

 (1) 50) 12:


 of andemik in sherp athl latho in cold sming
 comtaretion of the wallot, and ond motions bibe in-
 and stmenimes halang and heat.





military station and was smownemy held by



 to have apmared at now on the llth Pethamy


 monthe, A spmine riang fom the sot, whish




 of the emperor. Tha liflany of Tathere then aly pointed a commionom of erederiation aml orimtists to inguire inter the extmondiary evente that had ocenrel at Lomble- durine the last ix monthAfer inverthation extmong ower three gear. the commisan leciden in facomr of the appatition of the blemen Virgin Mary, the ectasios of lermadete, and the mirache wringht he the water of the frime. A great havilian ( 18.6 ) now adman the scene of the mirarlo- and on a level with jow aryt hats been added the murel of the lanaty ( lisw for the actumuntation of the figrime who si-it the -pot. The mot imputant pingimare is the National pilarimane in Anont, numbering, in
 nutahle nepurnes are doly recomed in the Ahmates de Lowdes. combucad by the Fathers of the Immaculate Conception, wh whe are the ghtow


See works on the sulject ing If. Laseme: Colin (1ssi9): Father Clarke. 5.J. (105): larthe (thans, ly Alice Mcy-

 a Puthrones station on lhelana lay, east coast
 I'orumbere, Englinh, Italians, se. It is the ter-

 all completen in lath. In the bore war ui $1899-$ 19no it was the man of bund intrine. and hence Kruger sated to kundu. he llelwion Disk.

## Lonse ami Lousrwort. see Lice, l'enmretails.

Lonth (pron. wift the as in louthe), a marithat comoty of the province of Lemster, aml the -mallont county in lream, is washed for 49 miles m the east, from 'arlindom lansl ow the river boyne, by the hish son. The armage wilth of



 is under graw. Thn amfart is that, with the exerpLim of a ranse on the nom whing mhanathe in
 laty of that natue. The emil of the level divtriet-




 rinnty formed part of the beritory of aryise or



 tarluire and at Iromi-hit. It Nellimat ane the





 imprerial patianient.

Lobth (hatl the an in lothe, atmaimpl borongh of Limenmhire, on the rimber loml, at
 contans: a heantion parish chands in the lempendicular style, built in the l:th and retmile in the





 tion. Lathth is comerted with the 11 mandor ho it
 spe the compation recmots, ol, by tombling (1942).

Lubvain (fier. Liven, Flemish I.form) a city in the Delpian province of hrabant, $1: 1$ milns by rail E. of Thmels. lo the lith cenma the town was riel, properow, and large (20.000 inlalitants), due to its choth manfacture amb ite poximu as the capital of limatant (from 904). hat lane the thwnomp revolted asainst their mbers and the hard pminhment metal ont to dum drowe lage mombers away to bagland. The town was the seat of a coldmated miversity, fommeal in 1+96. In the next mentury it hath ginn

 hams, hut is still a Catholie mivervity. With ahment
 The wh walls. fuming a cirenit of lin mile, have leen demoli-hed. The moniem tom anmers only bat of the enceintr, that whet hang wemped in sutuc. A statue of Father lhamen was erectal in lou. A severe how wan stmok at Lomvan's pmorerity ba a tenible viatatim of the phatur in the lifth centurs. The mond inhmas is combined chielly to lodi-fomang, hewing, and the manfachure of leather, paper, late stariln, and cheminals. The town-lomee is a tichly-horomated Pruthir mithing (144-69): the chaml of At Peter has a heautiful damboant mond-luft, a whomstht-



 33,917: ( 1891 ) 40,698 . In 891 Kines Amali wine here atreat victory over the Northmen, and luilt a castle :uramet them. It used to be known ins



Lonvires. at town in the Fremeln dopartment of
 of the lath to the linh pentims. and andmated



 was lum in lario, 1sth Jamimy lifl. Mi- Gather was Chancellor and sumentay it stato in tha war department; the son jomein him an a-i-sthat. wrotary in letio, anm hocame wamini-1er in















Nrammata atiter the Kewnation of the Eatiot of Same. Lonvois, a man of mones will. war over.
 sermblane in his means, lut comsistent and single in hi- ams- the agranlisement of Frane and inn


 Lounouix, I'culuth ( $1 \times 30$ ).
 memtal opening of a turret shisur, phacel on the romf, to allow the moki-
 or foul air to extelp from large aparthents. smbly athalls, kitulens, ©.: These were but timbaly required in ancient times, when tha lier was plated in the centre of the romm, and there was mo dimmer to cary oft the smoke. Thes are frepmently usod as ornamentwhere not required for we, and are then olazel and male into Latems (I. . . ) 'l'her sinter of the Gonce wree limad with homizoutal ewerhapred luarliner, with a flate butwern tha marils, which let but the smoke withent ahmitime the rain. Hence, this sort of luardinge, fredurntly used for the windows of lobltowers.
 the palate of the Lonste, vee Pibis.
Dovalge (Liqustirn, ), a genns of planto of the natmal onler (mindlifera', allied to Mugelica; the
 What winged ribs; and there are many viltar in the
 Le ristirnm) is a mative of the aouth of Enome, with whate derompoml leases, amb ohnate,
 in gardens, amb, motwithstamhers its shme amb permbiar ulume, is used as a salad plant. Its routs
 are anol to che thathere and to exite propiat tinn. I lignor callad lotion is mate from them. -Vay amilar in aprearane and ghalitios is the
 a bithive of ther seatemists. It is eaten, buth raw amblenter, hy the shethanders. The Hivom is armatic. but acrill and sery hamemes an thome maternatmond to it.









 for King Willim. ha lam: his fillhor, on the
 that litle: :and Kimmen mext ber atmontod tor


 Athone fanily a rume for whirl he was fomed



on Y(wen Smers arcession, in 1:02, when the Athold lamily beame all powerfal, he thed to Framer, hat a twehomonta later retmomed to Footland as a dacolite agent. Ho was at the lwatom of the ' Que ensherry pon,' in which he profemed to pereal the puliey of the exilen court and a plan for a llighland rixing: hat the discovery of hiv duplicity ablised him one more to exape to France. There, hy (the mare prob. able) account, he wa- kept for same vars a prisoner at Shamme; hy another, thmed besnit. and lwome a jupmar preacher. Ile wan still the dations of his rlan; anil in 17at they sent Major bames Franer as a sort of ambasalor to bine him owr. Next year his rousin's hushand, The hohder of the estates, lawing joined the rebellion, Simon fomen it his intarest to take the envemment side: his clan at once left the insmrants: and for this good revier he ohtamed a full purlon. With persension of the Lavat territury. His life for the next thiry y aras was active in intrignes for the comontialition of his inthenee: and the man who had leretofore had andiene with May of Monema and the Cirand
 for his lirst-bum in tieoge I. In the th Lovat tried to flity a domble game, semeling forth the Man under his son to high for the Pretumer, whint to his frimd and minhhonr, Dunean Forhes of coullohen, he malle comstant profemions of loyalty: cullomen lost, and his randle dired by ('mubertanls subliery, he fled to an istamb on lach Jorar, where he was fomml hiding in a hollow tree. He was hmaght ur to Lomdon, on the way leing sketelel at At Allims ly his friend Ilogath, amil, aftre rial br impeachment lefore the llouse of Larels, was helacalded on !th April 1747. At his thal be a defended himself with alility and dignity, and he met beath gathantly, Homaces line on his lips Thutere decoman int fore patiai mori.' He is huried in the Tower. A timisheal combtier, a woul sehmar, and a most elegant letterwiter, Lowat was also a molian. a hiar, a tratom, ami a hypurite. A rultured savase, lue stanls as the infamation of the clan
 "Forens Marlom:', During the lifetine of the lady he had mathod he wice mome maried-in 1710 Marance danshare of the Laind of drant, by whom he was father of Colonel sinum Fraser ( $172(62)$ and three others: in 1733. Primmse (amplell, of the Augll family, whom he hat inveigled into a hom: of ill-fitue in Edintargh, and who ado howe him a thind son, Colome Arehihald Finese ( $1204 ; 185$ ).
Hee lliff linrtun's Life of Lome (15dT), amo Works there citul) also the Autobiography of 1 h Alwander 'arlyle, Sir W. Fraxer's Chiefo of (iment (10xit), Mr Hendersmis article in the Dict of Wat, Biompaphat (vol.



Love-apples. ser Tamita.
 parmes, lint experially to these indmater in the "anms Arapmis. Floce are at home in the

 mati in that natise hamts and in caphity. The natme - , howes,


Lorcdalde an impotant whatimal and






 fimting. bookhimling. telespaplos. - wish atm cat

 Thate was printerl at lavemale in 1sco it lifed imlishdat remorl of wer gook natione as well at
 hore, sund the result was eronlitathe in a surprisinge desrere th the in-titntion. tre kivfris.

Lovelinasls. Sue Jemplt
 at Wralwiol in lets, tha eldont -on of a Kentioh knight of ald family. Wome tedte un he hat his
 Hall. Uxtmal, whow his uncommon lwanty and
 of the fair. Natmally he fombl has way for cont an! Want wn tha suatch expedition in labs!, after
 he wa-manmituat to the tatehome at Wextminater for prometin! to the Houne of commons a petition from the roseli-k of Kont for the restoring the kimer to hic rimhts. and for - + thiner the erowern
 In the . Jomments of parliament thiv larere sum is
 a varely for tionom. Thas Lowelane thromghont
 a buranar on paroble, hat he punt his atate in the kimes. mane lis fumbhimes money to his bothers and iriemis. In 1643 he tonk pratt in the sure of Bonkirk, and was thong into privor on retuminer to lingland in lGts. Duriner this imprisomment hes revianl his perem- and in $164!$ jmblishend Lemerstre. the namo fonmod from Lere costa, his epithet for his luw baty sacheverell, who mamiml, says Winal, anothor on the tray report that lovelace hat dial of his womme at bunkirk. Sfore the kinse exocotion las wate set at liberty, hat lis estath was worlt, and hiv lant year wemi darkennd by dejpetion imblialrea. He clamal the triuedy



 The sobedrer. war nerar publimed, and are lont. Mowt of Lowalamis work is slosenly, whinte, amt
 tality from two of the nome fandthes lyries in




## 






 111\%. thmest it witn not till lsiog that hiv tirel lands














 S... IAs.


 ahmut righty in manlary, very flat amb lambs





## Low Comitiries, the Nothedamk, ser Hor.

## 



 pats of the Moditerranem, aml in lyos rapitn. lated at Cand to the Fremell. Int in tlat follow


 He was afterwame for some time attachall to the

 i-limb. Napolem han hamed there om the 17th betaber of the perions gear. The striethes bi lawes watel apon the disturber uf thas freare of
 anal expened hinn to hitter amb ramomons attario


 hiv conduct and acts max he reiul in hiv Mrommind


 Lawe beeame commander of thoforme in ('rylun.
 C. Seaton, Sir Mudson Lones muld Nípulous (la!s).

Lowell. : mannfactmime city of Jinsimphmetlo. the liothplare of Whastler. mothe Nermime liver, and at the junction of several railways, o. milm
 hilly, and the river falls 88 feet. athomintr !reat
 company. Stean-power, lawern, is now extornsimely haed in the larges malls and womblans. These, the primeipal uf which are also in the hand-

 are problume here in a werk. Amoner the other
 dathicals, cariages. die. lamell wan inmopur
 wathered from the mat diatricts lifts on athme
 huilt amt womed ly the empratimme amd hopt























Which hiv whime and comberation are mazally remankaht: The severe smaties which mate hin a obhlar came loner after his univerity combe:

In his twenty second year be phlinitud a fiomers


 monthly magame with Hawthme. Pree, and Whittior for contribators: hat after there iswat


 he matriad Datia White, a hematifn and intelleet aid waman, hereli the authon of ame chame

 immature in ty le and treamont. In 1sta, at the

 writem ly a motio maned Hosea Dighow, amb odited
 which the poliey of the pro-lavery parts and the combluct of the [nital States gowemment
 semand ridienle. It wa- apharently a trille, but it had immediate and mineral succes: and from this slight lowiming came the Bigtoue P'pers, per. hate the higher exprexim of the pert: sembe,

 racy with it-droll homenr, and -rahling with its unforrowed wit ; hat its lare ghatitios are fully
 and the dialect are familiar.

The year lsty wan productive and memomald. It wat the war of Enropera recolutime and of


 We wrote Tor lision of Sie Latufol. whe of the not. as it i- on of the most pepular, of hir prems:



 mit ill natural. and har abonis if gimal some. Ifter all thene vears it ic reen that hiv jutgments , if mon and tondmeies were abonst pophetie.

In 1 sin he vi-ited Eurome with his wife. then in

 Patland, Xiame, to yis lramees Dumbla, who









 Writhen in that in homen if the allumit whe hat fallon in the war of tha relwillim. The ciolle





 Who Fimerth of dals.







the frequently) stadden with recondite allusinns, and are ofteri hantrons with petie images. It is alwaysevillent that it is a poret who writes. Fo, the anthar*- friemls the most delightinl of his prose work: in Fimside Therts, contaming his recollectiom of C'mbluider Theirty Yrars Ago.

The secome series of Lighoir P'omors appared during the eivil war, in which the fwet: three nephews and other mar relatives gave their lives fin the [mion. This whme is natually graver and 10 ${ }^{\text {an }}$ a higher plane of thonsht and sentiment. Certain pasatex (probally the la - he hat written) - how an intendy of forling rave in homan experi"nce: in others the semery and the eramo are bainted with lovines tomehes: and the male dialect, so far from beine a hamish, lesth an imbetimable cham to the tomberne- and th the deseriptise art.

Lonvell was an arden alolitimist, and from the firat mave himelif muremedly to the came of ireedm. In this, as in all thinge, he nhwed himarlf an heir of lomitan homel, fathinl to the dight, withont regare to populatity. In such poems as The Promet Gexs he came io his countrymen with


 in laso th that of it famme where he ramane matil 1sso. Whe oi lia-vhumes, Dementery (1856), contains seme of the himbiant addreses he made while in Encland, and one volume, Heatserese
 few writen long hefore for the Ithatio Jondily.

The pant of minister to Geat britan is the liowhert in the gift of ath Amerivan pereident, and What Lawoll homblawe been sent to repurem his combtry in the old home of the race sutliciently -hows the cotimation in which he was held. for he had never been a pritinian. Ile wrote a life of llawHome in the - Amarian Iten of Leters eries
 hamomely in 1s:38. He lived at Fhawood (in tamhridge, the homse in "hich he was lom: and there he died 12h Lugnom 1s9. His Collectad Witmels




Lowell Institute. at linton, Hise., fommed ley dohon lowell (1:90-1836), a leston merehamt. see Levtrues.

## Lowel Empire. Sue Byzistine Empine

Lowestoft, a manicipal hown and raport
 mil, and 49 from 1 ן-wich, han of late vearn rapidly grown in favour as a watering place, itw heathfil.

 (9.F.) all tendingtoit* papmaty. The ohber part of the town. whele lie to the math, is buile ont a - lill facing the ara, on it- smanit heing: a lisht. homee (1sif) 193 feet abow tha sathered, whilat at it hane. on the Ser-the mont eaterly foint of
 The mondern part of the town. Which hat- a tive
 the perioh uf kirhley, and i- separated fom the all town he the hathonr, fommed partly ley two
 Laho Luthinge a pioce of water stretehing inhand
 with a depth of water at low tile of $1: 3$ l bert. amb
 the dinat bintom lailuas, who in lan comsed



 He parioh elourch fof which Whistom, hac mathe.

 surbumated ly a tower amb spibe log foet hish, datione from the tiot half of the Ith erontory:


 nont far from whind was fomant the cray formery n-al in making Lawesoft alina. The primeipal Bumbents in the history of the town have leetn ri-itations of the blewne in 1349, 1547. 1.59, and
 such fury that $2 \times 11$ fersonc dibed within fin monthamblabin the vear: itswecuration in ltibls eromwell, who entered the town at the head of 1000 tronper, and, arizing spwal rosalins, spat them



 and the latulin!e of tieorse II. on his retam imm


S.e work-ly (itlinswater (1700) and Nitll (1566).

Low Germant. Specemany, Vol. V. p. lsti.
Low Litlilla a temm aiten ajblied lowely to thes Latin - phkn and written aiter the tall of the* lionath empore as well as during the midelle ase
 lazil alrombly hern evem in the time of (icem. hut
 diflement divism of the dismembered empite thane


Lowndes. Wifliam Thomas, a Lombon bonkdeller (died Intia) to whom we are imlebted for Thi




L, ow Sinnday, in the Roman Catholic Clurelh, is the. tirut -mmbit attor Easter. It is so called in contrast to the weat festival whose wetave it ends. In france and Crmany it is usmally ealled ounsimoner. from the time word of the introit (l I'eter, ii. 2 ) in the Mirs.

Lowth. linismer, a learned English hihofr, was hom Xowember 2-, 510 , at Winchenter : hi lather Wa- rector uf Buriton. Ile wa- churated all Wincheoter, whener. with it reputation hoth as a
 in $1 / 30$. In $1,+1$ ha was apponted poressor of


 ther arehtharmary uf Winelester, and in 17.53 the rentory of liat Woodhat in Hamphire Lowth




 bisibe his bectures, his twos primeipal watio atw

 was unve of the dirst lumke that treatert the: liblue

















 ations as well as the dutime of at military lifo.
 mathathe instances aro recordma and whe at lamen fresed the turningeprint of lis rament. In the
 buth lagn, ome heng fractumed ly a camom hall, and the other injured hes aspinter: and havine land taken privoner loy the fronclo, be with be them comverel to his patemal rambr of lasolas. whare he wis dommed to a longe continemont. . Ifter an gharatim, the results of which had wrill nis.rh prowel

 levitr. In mene to remowe a deformity which late resultad fom the tirst settine of hiv wommond limb, he consanterd to the painful remedy of hasiner
 tion his convalecence was evel moms shom: ame, the stock of romamens leg which lar was womt to relise the todimm of eonfinement having lanem "xh:m-tel, he waz thrown upon the only bther available realiner that of the limes of the raints. Ther rambt wac the ereation of a spiritual "mothe
 very Bitlerent from that has whel her had hitherto beren drawn to teaty of chivahry. The - ginitual ©rorise of St Francis or St liminite now took, in his a-pirations, the place which hath been hefore hehl bey the knights of medieval romanee. With somblike his there is no milille conrse: he threw himelf. with all the fire of his tempramoment, upon the new abprations which these thomelitengentrox

Fiemomeing the pur-nit of arma, ame with it all other wollly flans. be tom himalif froml lame and friends, and realved to preprare himedf for the mow comse whid le contomplated ts a pilermande to
 tion for this holy tank, le retired in the wath af at lowerar to the colehated monatery of Dontapmat. wheres on the vigil of the Feat of the Mmmoriation, in 1520. hes huns ny his arms, as at ohore at votive olterins sirniticative of his remmatiation of the works of the flesh, and an emblom of his entire deontion to the spiritasl wariare to whish lat "as from that moment vowed. From Mantsormt lue
 of which was a volnotary engenement whith he
 of the neishbouring town of Xanmen. 'There hivaral
 drew to a solitary avern in the viomity, where he
 until he was carrid hack, utterly cahamatenl. In the loopital in which lie hat lefore survel. Fo this plymieal exhamation shecereded a state at
 from whifl, howerer, hearone with yimithal furmer reneverl and invignated ly the wey trande.






 lat fimbin: alal lbarumanat in liol.




 there elomentary sudies by a futher comer liret at the now miversity of Aleala, and afterwards at
 uf the anthoritiss hy some manthoriser attempts at religims tawhins in puhlie. and eventmally le was indhered to repait to Paris for the completan if the stmbies thas repatedly intormped. Here. bain. $\mathrm{la}_{\mathrm{a}}$ eontinned persistently to strargle on withont any remorme hat thone which he drew from the clatrity of the faithful : and here, again, he retmram] to tha sime lamble elamentary sthelies. It was while matued in theere turdi-s that he tirst formed the pions fraternity which resulted in that great arganiation which lats evereised such in-
 lition of the monforn werld. From the elose of lis resiolenet in laris loyolas hintory has heen told in the hivtory of his order (nee disiotse). From the date of his elowtion as the birat seneral of his veriptr be contimed to resile in liome. To bim :ar die, mot alone in the penemal pirit. lat even in most of their details, all its rales and constitu. tions: fimn him also originated several works of general elarioy and hemevolence, the nemas of great institntions still maintained in liome. Int the great sonme of his intuence mum the spinitual interests of thr world is his well-known Eirecitio Spiritumbio, of which an aecommt has heen already given Ile diod at Jome, prematurely, wom ont have his long anoteritien, July 31, losi. He was

His Lifu ha-becoz witten in ahost every Eurolean

 are well known: and there are bunk hy stowart lowe
 11. Toly (trans. 1 Ne! 0 ).

## Loyson. See Hyicinime.

Lomire, a department in the somth of France, derives its name from Mont Luzire, one of the summit-oi the 'evemes ( $9 . v$. ). It comprines the aromdinemmolls of Mende, Flomat, amd Jarvejols.
 135,527. ('apital, Jemle. The depoutment formthe sonth-rast extremity of the central mplands of Fromee, and embraeds the highost praks of the Cevemmes (lib de Finiels, iosst font). Thene mommtains are the hirthblace of mumembs rivera, which and down to ford the libume, the faromer and the Laine la the momatains the climate is severe, amblitule wain is prontuced. Fotatoses, chestmuts,
 darets, and silkwoms are lored. 'The department contains mome of the grandent sernew of Finnce in the eronled limulone clistriets of the ' 'ansacs.


## The liont of Forne (1Nst).




 l!ons, son of the atomomer aml mathematician,

 and :u leton. At fontuen he entered his fathor*s
 was elonen lomoraty secretary on the Sxectation uf Lomblon limkers, first premilent of the lastitut"


 nimion, the Educution ('omminsion, and the (intal


 sum un losiner his etat in land he was returnerl
for London Laisersity-since lsiog as a Liberal
 chieds to linameial and edncational subjects, and has sincereded in prasing mure that a ilozen int fortant phlaje mearnres, incholime the Dank Jolihays det ( 18.21 ), the Dibls of Fixchange Bill, which pegnlates the whole haw relating to eheques, hills, amb promisomy notes, the Ineiant Jommonts Bill (lsse), amd the Shop lloms lial! (lss!t). He is an fommaty mathate of OXforl, (:mmbidge. Eilmhargh, Inhlin, amd Würhurer: was vice eloaneelfor of the miversity of London from 1852 to 1850 ; is a trustien of the British Nuseum: and has acted as presilent of mans of the acientilic socioties, being president of the liritish Association in 1 ssl. I'reilent of the Lomlun Chamher of Commeree, and chamman of the Londen Comme ( onncil, he is lest known as a man of scienee for his researeless on the imeiont vestines and remans of man. and on the hathits of insect-, enpecially hees and ants.

Besides more than a hundred memoirs to various societies, he has published Iolistoric Tamss as illustrated hil Ancint lamains cht the Dumners end Customs of Modern sired!/es (1865): The Oriefn of Cirilisution and the l'rimitire Condition of Mru (1, 70 ) : The Origin and Mctamorphoses of Insects (1sit); On British W$W^{+}$ildHowers, considered in Rifetion to Insects (1855): Ad Ircoses, Politiond and Eductional (1570); Scintitic
 (ohlemblala Fity Fears of reitue, an iningural address
 (1sse): Fhmeers, Fruits, und Ledres: Out Rementatittion; The Denses (eme Instincts of Animals (18SS) ; and

 (149t); and an interesting work on The soniry of siriterlenel (1silt).

Liiberk, a free city of Germany, atul great port on the river Trave, 10 miles from the Baltie, anil 40 ly rail NE. of Hamhorg. It wav fonnded by 心ixoms in 1143 , in place of a fomer Wendish town of the same name, lower down the lrave. The fomma. tions of its porsperity were laid Jy Henty the Lion, Jonke of Saxomy, who war it a chater, and bow
 He abo hailt a cathedral, anol transfored the see
 not only eonfimed, but greatly enlarem, its privi. lenres, and Frederick II. mide it a free city of the empine. From this time it mader rajud progress as a babliner centre : it was from thar lirst one of the most inthential members of the llansoitic Jongue (4.v.), and eventually its hatal. The rity lemame in thort the commercial motropulis of the Bialtie and northem Enoure. 'This prond penition was dae in zoma measme to the librat encomagement of several sucesonve emperars, lat in will greater mea-bue to the prodent gidanere of the oligarehical commeil, emmpsed of men eferterl from the families of the great merchants. The deeay oi hiibeerk was neressarily involved in the deeay of the lamsatie eitios quiberally. The eventiml dietatomship of Whllenwever ( $1533-37$ ) wat the last dying ellort of the league. Fiall maninintrative fights were
 ists. . It the preatit time the comstitmation, emlmading a somate ( 14 members) and a represtatative asombly ( 120 members), is theromghty domocratic in pirit. The Frumeln helat Jiaberl from lsof, whon they raptmed it and plamered it exeept for ning montles in lsl: -down to the treaty of Viemma. which mado it a fres fown of the derman (omferlaratime The tralitional commectiont with Hambirar amd Imemen, the last survivors of the


 (\%ullicorin).
'The freo rity posiessem llis -I. w. of tervitury,
 of the river．The total porblation was ta ，ate in 1s！ 9 ，of whan bis．
 than impurtant，the chiof heinger hamanfacture of rigun and vinegar，hewins．handy ditillins，
 great erntre for trate heowern lathlinge and the cition of lemany on the ome vile and he comation that horder the Daltic on the ahher．＇lhe imperts reath ath ambal value wi ahom $9!$ millions，amd the expert－of \＆millims．Thio trathe is mostly transit hames：for instance，com，timbre，－pirits，
 Rassia：thmber，iton，steel，and compur fromsworlen： hater and com from lenmark and linland：wine
 ins and other stones，and irom wate from cireat Lhitain；and fetmenm from Nortl America．The
 reark of 43,1800 toms．The Trase was ilecpened
 monect Liolnock with the Elle has heen juatpuned owing to the Kiel－Elle Canal．

The street－of the rity are mostly wirle and plea－ant．The city－wall was demolished in 1 atm or converted intu promenales．The churches in－ clude the handsome futhie sit Jarys，first erected in 1163 TO，thong the exi－ting alifice dates from 12－ti－tsit．with two towers 410 feet high，wh sarophasi，masterpieces of ohl tieman armpture， and pintures hat wertheck and others：the oathedral， fommed in 11 ars and enlargel in the lath century， with a tower sat feet high，and an altarpieer hy
 Peter＇s，hefore litis，which contain ine old paint－ ines and monmonts：and St ．Epilinco which has an exellemt argan．Thas town－home is the mont motable amonest the sernar buildings ：it is built of rod aml hatack glazed lrieks．The lumpital of the Woly spirit，dating from the 13 h century， i ondmed with almaraht wool－carring．There are



－re Max Hoftmann，Gesthiohte der Fieien－unt Itonst－
 in Mittchelter（1－iol：and Waitz，Latech enter Mvellen－


Litblar．Welnelm（
 Italy，de，was hom at bommond，studied at home
 amb Karlorhe，and was finally herector of the ant gillerise wi baten．

Lablint matal of a Polish govmment，stand
 ste of Waraw．It was one a areat emmomeral aty，haw at lath century eathentrah，：and was phan


 How whandind in bethe traty of mion lut ween Lillmanial ant polanl．Phat yoromment hav aut


 with the oheret of lemeniner the leriotion（f．x．）， and therely diminibine the wear and lear，and






 tween the two surfine in ereat is in morematy to





 watnation of their volatile matitments．


 surnented his father，the sermin eath，in the tithe in 1s：39．Ito was jut to mehoel at Wentminstary，and on learing entered the army．II acompaniod the
 twer against the Thris in 182 s ．As mmmander of a divixion of mavaly in the（rimathe fomat at
 Win）．Apminted lientenant wnaral in Isin and
 He died thth Nowember lがe．
Lurallial，a mowine of ancient laly，comth－tant

 moreammen nearly to the preant prowime of loutenza and part of Saleme．

 was lum at Comblat capital of the pmonere bodica，the eentre of homan indone in span． and of a literary schond which Jasted on into modieval times．Amone the leadins Conduban familien were the Amma，of whm Anualon Somera， the thetorician，had three soms－M．Ammans Sinena， the Callion of the Aets of the Apostles；I．Ammas
 who married Acilia，damplet of Arilins Lncamo， a moten mator of the phace and by her herame father of M．Amarns，who received the romomon Lnctmo from his matemal mambire．lomu－ inemintible attraction for the ontling noth hat ahrealy drawn thither renera，the phamopher： ame Mela，with his wife，followed，to place their son，an infant promigs，maler his maclo eve for the onall traming in rhetoric and moral rathers． Comer lacan tonk kindly to the hereditary end． chere and moler Palamon the mamanian，and Combun the stoic．of whon lerain the satimet
 in the merits which wom the applanse of the lectume monn．Inteed，lis aptitule for prow aml veme was ominms of the fatal thener which exolved the first three lowli－of the Phersmlier while wet in his tomp．Clatred of tymmy was the parailing mot of the patricians，and lacen shated the lanno uif

 are long lathayed the lower sile of his chatatere：







 and Namis edfore wa－motally wombed whon，





 the l＇inmians＂manamy had heme hatching，and




vane to him that it was disencerd ame he himelf hotemed. It tirst his domeanome waw wertley of a Stom": then hix ramare declined, till it sank so low that-quite falsely, it is helipwod-he aterneel his onw mother teila of heing prive to the phot, in
 aliated ha similar rime! bint in valn. Jhe was whome to sha and having had hix veins openeal. ha Whel wdeath in the bath, werting an aproprate mavige from one of hiv prems.

Ficept a few fasmento, we now have nothing of Lnem: many wrings hat the Phersetlit in ten bonks, pounting the mighty dued of Pomper ame Cinins dalins for the pmpine of the world. Though always frede ertici-ed, its acceptane in antiguity and in momem times has heen great. From Traitur on soliger and Macalay it has fomel praine amb emoure in preaty even proportion. Its abiont are manly thore of youth-inspired youth tranul in as anol where phigram and antithenis were umbly after as the chief merit of atyle. It is
 -taty, inmoner, in its delineation that it is open to donht whor its hero is ant Caine dulins after atl, rather ham the Pomper who is whanterinend an 'Mirmus' throughmit. When at it: heot its morits ate thom of eloghenes rather than portry: and for its many hrilliant and apt "antentise" it ju-tly enjow an ‘immontality of puotation.' Its Limam burintism stribes mitrue a mate that with
 ticulatly in the England of the 17 th centurs: In Anen, the hitomian of the Lome l'irlianent. Thomas May, mot only wrote a maperalle trankation of it. Cut ako a still more re-pmealale contination in
 trambation, comsibured lay doman to be one of the bext in the Englinh language.
There are wher English transations in vers. hy Mar-





Lucaris, ('vill, a lireek thenhgian, wan bum in Crete in 150, maniod at temiee and lomhat.
 ham with the Calvinit dowtrines. Takine holy
 the tarek 'hureh, latriareh of Constamimople. An buthur of his pubice career will le found moter
 was seized in Comatantinople huried on lward at susel, and it was never preproly aswrtathen what lowame of him. Acombing thsome he was trampled in the whip which hore him oll; acerrling to others, he allfere this fate in a cantion on the shores of the
 enndemmal ly (treek symmk.
 in at chanch spire.

## 

 lown in la yhon in 144 . In extremely prempions attict, he baintol a piothe of St Dubert when only twan. and the mothated print, 'Mahonet and







 tratis. of the manme of his own prim, :mit



fealonos. He died in lisas, having hem contincel in bed for siv vemas. Ammext his most erle. hated pienes are the 'Hill of calvary, by mome regamed athis materpiece. 'Wam and Five
 and a Don,' the 'tard larty,' 'st lerome." and "Chint healing a Blind Man."
Luccat. chief town of an ltalian povince, is situated in a plain, loumbed by pirturerque hillo amb irricated by the serchior, it miles lay
 tho Jmintrinus" has a areat trale in ulive oil amd silk, the lattor mandacture introntuced in the emi of the thth entury. The cathernal of St Martin, herm in 10ms, has a cedar crucilix repmed to have
 ('Samed Comatenance') is nemtioned ly I antr. The charel abo contain several line pantines, the tomb af Maria (ininisi (ef. Kankins Mathrn l'rimors. val. ii.), and valualde arelives. There are marly forty wher chmrelies, some lating from the 7 th and sth cembrises. $A$ plendid aqueduct (1se2) tulplies the lown with water from the
 tain a valualde colle etion of paintings. Lucer is exceptiomally rich in artistic and selentilic institutims. The city was a lishophic as early as 34 , and in low was mand an arhbishopric. The cutirons alumat in defightin villas. In a charm. ins ralles, 16 miles $N$. of the tom are situated hue minerad hathy of Lucea, which have been finnoms sines the lith century. Their temperature raties from 16 to 136 F . - The pronine which has
 is famed for the fertility of its soif and the supenintity of its agriculture. The Lucehesi are a frishl, shewd race; mombers leave home in seareh oi foployment, and they form a large funpurtion of the itherant lignrevendors, mganFrimlers, and atuco workers of Enope.
Lucea (and. Lume) was mate a liman polony in 17: B.e. It was erected into a duehy liy the homhate, and its merehants trated in English wool from the !th, hat mone exuecially fom the beth combury. The town han a must cheguered history down io 1369. When it herane an impopment repullie, which laster till 1797. In 180.5 it was eremed into a principality by Napoleon for his sister Elisa
 spain, oneer of Etmia. Dler som, Charles Lomis, corled it to Tuscany in 18t7, on whtaining posises. sim of l'arma and I'ideenza.
 Corlova, is fimons for it wime anl hreed of horses. 1'口品•21,27.

Lureral (thr ameint Lurerir of the Samite wart, a town of houthern ltals, 12 mites by rail NW. of Forgia, hat a wathedral datine from 1302, and is famons mined costle of fiederick II. who diad, howner, at the mighmoring castle of Fiorentine. Pop. 14, $166^{6}$
Lucerme (Medicug, sution), a species of Mediels (4.v.). one of the mot valualle of the leguminous
 wathe. It in a matise of the emoth of burene, and has heen cultivated there from an unkwon antionity. It i- mot wry landy grown in litatan,
 drier part of tha sonth of Englani. The climate of many di-trint- of condand is mot tow eold for it.

 peretmatine wery deep intw ble gromat. Sir bohn




prommial, and it kept free from weats athonds gomb crop for sis, seven, or more years. It is sown in ron-s at 10 or $1+$ inches apart, amblay be mown - peral times in a year, growing wory thickly after being mown. The quantity if parace is very great -sometimes from 20 to 30 twhe jer annumand few other forage phant- are reaty for use so early in spring. Lucerne ha, a mather mact stem, leases with three obovate-ohbom toothe? leatlets: purplish-the or sometimes yellow flowers in manyhowered racemes, and pols twisted two or threm times round. It ought to he nown hefore it comes into flower, an it then hectmes filrous and less nutritions. In spanish lamls it is called Alfalfa.

Lucerne (Ger, Luarm), the eapital of a Swiw canton, 59 miles SE. of Bawn, $14 \%$ s. SE of Stran lurge and 1F NXW゙, of Milan. it is very heantifully situated at the puint where the lieuss issues from the north-west extremity of the Lake of Lurprne, and is jartly surromiled (on the north) witls medieval towers. Xear the lake, rising from the midule of the Jenss is an oll tower, which is sail to bave hem a lighthouse ( (Thermef) in loman times, whence the name of the town. Untsile me of the gates is the Lion of Laceme, hewn (1821) wht of the solid rock after a mondel hy Thorwalisen, a numument to the swiss guarl whi perished at the Tuileries in 1792. Near ly is the inlacier Ganlen. with rocks illustrating the action of jee. The town is a imay centre for tomist : and summer risitom to switzerland. Pop. (189t) 21.7.8. The ronton hav an area of 599 sq. the and a pop. (1594) of 13in. 613 . The soil is frnitifl in the vallevs; in the more monntainous parts the rearing of cattle is carried on to a great extent, large guantitien of chense heing made. The highest elevation in this canton is 6998 feet, a peak of Mownt Dilaths. The inhalitants are motly of (ieman race and language. and lelong to the Jioman (iatholic Church, excegit alout 360 l'motestants, to whom the free exercise of their religion was lirst accordell in lses. The cauton threw of the yoke of Austria in 1332, ant, joining sehwyz, I'ri, and lonterwablen, fomet the nucleus of the future swis: confederation. The constitution of loneme is a representative democracs. The legi-lative hom is the Gireat Council, onf member heing antend ly every low citizens: thu exechtive is verted in seven memhers, who are not of the council. See switzerlind.

The Lake of licerive, callod also fieruded steftersed ('Lake of the Fonr Forest Cantons'- I ri, Unterwalden, Schwaz, and Lubent), is one of the mom heantiful sheets if water in Europe. In shapu it rembles roughy a cro-s with a crumpled stem; it- -hores are mostly stempal rorky. Length from Loncerne to Flüelen, 23 miles: a a orage hrealth, alome $1 \frac{1}{2}$ mile: area, 44 sy. m. The mief places on it-lanksare Lacerne, kinonacht, and If Mach at the north-wost, and Fluelen near its sobth-west extremity. It iorms jart of the sit cintharid rome, and is marizated ly stommbats, hot is liable to suden and riolont stoms. The lake is rich in a-uchations of Willian Telf (q.v.) and his story.
Laciant, one of the most interestimg, macefal, and atnsing of (rreck writers, wis' Pom in Samosata, the principal town of "ommagene in
 parents to lo a sculptor, lacian carly amerteal hia own alecided prefernce for letters. Ilasing leaned Gropk and tudied under some temelter of rhemere, for fractised as an adrocate for ot short time in
 show speeches (epideictie oratury) and to reciting them as a means of making a living. llis profowinal career thos menle him a travelling artist; and in the guest for suitalde fr-tivals at which to deliser hin ifeclamations he tratolleel thromely Asia

Minor, (ireeer, Mapolmiat, Italy, and Ganl. Hlasing thus mate a fortune and as nome he spttend in Ahens. still the intelleetual capital oi the world, and there decuted himseli to the stady of pinilosophy: There, tow be producel a form no literature hitherto, as he clains, muknown. Thi-
 to his first love, recitation. He acrptend a mond apmintment in Exynt, where at an whanem age. "inhy or nimety years, be lied. A smate he race hout not by elueation, a a ohbect of lome lat not a limman, a writer of Greek hut not a lireek he hirtly, Lacian was ly circmotances smonlarly freed from every tie, premmession, or jrejulice whith might have stoul at all in the way of his derivin! the larsent posilile amome of ambement ont if the wonld. Sor was this all that inrme did for him: So brombthim into the world at an age when the old faths, the oh philowiplay, the ohl literature, were ail rajilly disolving in decay, and when what the new womb he was an inolutile pohlen. For satire, whome mature is simply to deny, mever was there a fairer fiehl: and Lucian revellen in it. The oli faith was sone, and the inherent alsuratity of retaininy the old deities withont the oh belief is hrongit ont log Lneian in
 Prometheus, Churou, Menipus, Itcromenipms, and others. Whether the ohl philosophy was the more discraced low the Nallowness or the rices of those who pofored it in lacian: time it whill he hard
 Drometre, de. The old literature hat heen disHaced liy novels or romances of aiventure of the most fantastic kim, which Lucian parmien in his True Mistories. In fine, there is mo department of life with which he is macquainted or from which he fails to raise a land. Inis extentive travels gave him abmant material, and his exton-ive realing gave lim ancient instancon to contimand illnstrate his own experieners. His Creek, thomg not ahomately pur Attic of the heat times. is lont little removel from it : amb this is to bee accomated for ly the fact that he learned riseek as a fureion language, aml consequently picked it uj from l'lato and not from the streets. Apart from the burity of hie rireek. his otyle i perfectly delightful, simple, pellncil, and sparkling. The citio pianefpes is dated 1496 . lorenme. The editions in Hernsterhuis and lieitz (meme versone Lutime it
 ing vols.) have not yet heensupremed. somerkbe (romet and sommerboult (185s), and Lucion, the Sypuen Sutirist, by lient.-cul. Hine (I! (1) ).
Lucifer (hat., "lixht-hringer') the moning star; - Dee leasets. The dhuch father attacherd this name tu satan in the helinf that Isaish, siv. 12. whicl refors tos the king of bah lom, rontane a reference to the Primee of buhame: of. Luke, $x .18$.

## Lucifer Matches. See Hitches.

Luciucan. one of the mont powerful artilicial hatus, :mul owecially well anapued fur lighting hirge spaces. whether (onen or conement The light, which is gradured by huming aramete cila, i- brilliant and dithome and thes net cave back shatow like the electrie light, as the liane gises a


 Jram, to the thp of which the bumer in tixal. Tha"


 grimes lown into the smatl wall, $1_{2}$, in the hottom of the tank. The comprewed air entern the drumat It,

＇The heated air from the eail，f，enters the amman －bace hotween the oil－cone and hamer，whew the air ant ail becone amalgamated and reape in the form of a bray or vapour which is immerliataly intlitmmatile．＇There are virtons fomms of the


Auction of a Lneigen Lamp：

 hwatis air；11，burnor；E，burner－tube；F，strainer－tube；
 cone：J，for ail sumly；L，oil well．
lumpen，which was first used in 18s，；lout for a manersal lamp the vertieal type worked by rompressed air may be taken as the lest，which， with abont 1 s Itr，prossume at the haner，sives the mont regnlar ami elferdive light．

Lurilius．Roman poet，the ereatom of that form of purntic satine which was wielded so himbianly


 －Hogested are 1 ty and lso．Jle was on intimate tornis with the Yommer s．ipios，umber whom he is sidet lolave semed it Smmantia，aml of Lirlius． 11．Wa＊at thomgh man af the world，amd wrote in is labl，indermanent tone，whoosing for his sulifeets contemporaty events，persons，aflectations，vices， An．How mijosed great pmplarity mamer his
 Nipales．la was homoumel with a pulalie funcral，
 woote thirts lowhse of Sutires，of whim nothing bat frogmonts momati，promed in grat pat by the


 （15．6）

LItrinal（＇thr lisht－hinging＇），at natme alplial













 mal SSW，of Berlin，has eloth aml hat mamu－ fitetures．Popr．15，：395．

Wheknow（hallomu），capital bif the prosince
 on the river Gimati，ly rail 42 miles $\mathcal{N} E$ of Cown－

 Whath，amil for the memomalse part it playen in the Natiny，hut alon as a centre of modern linlian life， ：chicf selome of mative muse amb puetry and of Onhammelan theology．The allerance of magni－ firemee and splendome which therity presento when －ann from！the ontaide is not botme ont ly elose intemal inspertion，thombla a vas impowement hat heen eflectell since the Juting．The ehief wrhitectural ulory of the plape is the lmambatio or manobleum of Asafmoldanli，the fourth Niwah， who did so mach to embellish Latrknow with mandilient lmilolings．This orliliere，milt in ］ist， －binds withan the Jachi libwan fort（halt by Asaf＇s predecesor ，and is mow rombrad into a Bibitharsemal．The lanoi Jomwata，a ermal and manive gateway，leablines ont of the fort，the mamilicent lowaloney mataer，mat the eomatry palae of libhipm，lesibus mamerons mino build－ ings，were all erected ly the samb binere．The
 of Chattar Manzil，Naisur bagh，loarhat Baknh， fonr royal tombe，and an olservatory（heat． fraters of the rehels during the lhatiny ：ane the mom moteworlty anonget the remainine pmblie bminhons，thomeh the palaces ame remarhalife for bittle else＂scept their wreat size，delansed styde of archtecture，and gathdy deemations．The ellaca－ tional establishments embrace（：mming College， patalished in lsiti，now with live lepatments ；the
 lans nons ate edncated；and mare than fwo hosen

 Which there are－mmstins aml ollow light fabies，

 derlininge，ami pitper．Thom ane heve extense
 town，turding chiefly in conntry prodnels（grain，
 limporan biberemols，salt，lather，de．Pop．
 whon 20,001 were in the eantomments jus ont sille the eils ；and in religion 160,0 on were thile Mns，inlmans and the rest mainly llimins．

Ther site of the present fort wits originally
 fambled by a bobler of lama Chandha，the heeo of the glie limmenfome．Thw eity dial mot，however， rive into importance matil it was mate（1532）the Eidital of the inderembent state of Guilli（g．v．）．
 enments of wheh it wam the arene diringe the muting

 the night of soth Nas．Stir llemy Latwrome hate

 alsame of the rnomy int at pace in mila fomm the


 a lomsting shall．Thame times in sureresion the





 ther siegre was lommed ly the rebele，hoth of the

Rosilenev and the Almo－hanh．The latter wat succouren ly sir coblin Compteell on loth Nosem－ ber，Then．after driving the mutineprs ont of their two principal stmughote，Eir Colin texthen the farison in the rity（ $\mathbf{1 6 t h}$ Nowember）大ix days Fater the gatlant Wavelock died of dyantry．Sir
 to hold the Amm－hanh till his retmon，erorted the civilitus，and the latio and chidren，to Cawnon－ In the lirst wew oi Mareh has he returmen to the attack upon the rebels at hocknow，who had mean－ while entrenched themselves in the city．It cont a week＇s haril tighting to suluhe them（9－1．ith Mareh）：the iratue ended the matiny．

There are recent books on the mutiny and siege hw
 Mitchell，The firen Matom（185）：and Mreod Inles． Luchnore crad owde in the if utiny（1－4．5）．

Lucon，an epixeopal town of $6 \% 01$ inhalitant in the sumth of La Vemdee．on the baluay from Nanter to borleans，and on the ramal of Lucum． Itichelien was Bishop of Luen ；and many batile－ were fonght liere in 1792－97．

Litreretian，the wife of L．Targuinin－Cenlatime， fanmen for her her virthe．She wan－hamefully ontrand by cextu－Targunins．whetenon the sumbinel har hastam and a group，of friends，and， after makime them take a solemm wath to drive am the lated ram ot larguin－fom the cits，pansed at knife into her heart．Of the pretie clahomatimes wit the story the most fanmas is the lomer $R$ inge of Luerece of shakeprare youth．see bitires．

Lurretins，Titces Cabces，limman poet，lived in the lirat half of the lat century dit？．lint of the partionars of his life we really linsw moth． ing．I story was current sume time ator his hoith that he died raviner mond from the eflects of a lovepotion andmintered to him hy his wife Lancilia，and on thinsory Tennywn hit fomaled a vely strikiner and powerfal jwem：but it would reen to have heen a malicions invention，

 that a champion of unbelini and materialion mu－t bave come th a had end．The qreat－imeen，the fonly－work of Lumptin is an emay in hexameter series，＇On the Nature of Thins－＇（Dhe Rerem
 lines．The work was sail，hat in mo goon anthority，whave been revien in cisero．All we know in that firmo once midely allulen to it
 there are everal tha－ho of wenin in the jom，an！ that mach skill ix hown in the comporition．This is a wory fair eriticism，and it han commended itself to manal acenptance．The prem，we takn it，wa－ on the whale coldy fereived he lionath rather．

 mot sencralle attractive，nor in the wraticatime for

 ｜h：mewritu ant Fjicums on the origin of tho




 when hee is striking at thi hater emoms．The

 ont of thir fring hiv liment an：mont viremons puotur A valm and trangil hind wat hiv
 through a matherialistie philanphy wheld teachers


it as a sure dedisemane from the wort temor which hamt men＇s mim小．The univera，an it exists，was，ha hell，evolsol imit of alimate －lementary atoms，jatinite in monber，streanimer
 this，we something like it，wan the theory of bimo． －ritus．（reation as we muleratand it．is impon－ sille：mothing can come ont at mothor，biother can anythine ho deotmed ：destmotion i－cmly ： natue fior a change of subtanco．Lifo，mim，rimb， Se．are simply pat－of the man in the same anne as his limbs，and lemg in their nature conpatal， lofing，as we shomb ay，functions of the lonly， thery perish timally with the bedy，or at leats at
 All knowlenge is derivel from the semeer，which are infact our only test and criterion oif tuth．Ald phenmmena cali he explaned ly matuma ranse， ：und thas the door is closed againt any lowet in the divine or supernatural．Lncretio－，in iact，is －ulatantially in aceord with modern materialliom， and he bifin remints of of some of the newent theories of muden ri＋nce．Fin intance，he ex－ flains contapions diseares by the perpethal Ilying alont in the air of minute particles，gemm it：we call them，injurions to life $:$ and arain，in his aceount of the valums type of animal life an they ancessively appraten on the eath，we haternat－ thing like anticipation of the survisal of the fitten，and of the Darwinian thens of exolution． Every how and then，indeed，there is quite a molen lhavour about the doctrines of Larretias． Still，it is an a puet that lie has his chief intrest for ns，though the man himeslf，in his inteme camentners，$n 0$ doubt put his pilamply before his juetrs．A vers readathe look might lie manle up with the title＂The beaties of Latectins，His perm alommin in strikinoly piaturengue phame， suelt an only a great puet conld hand miginated； arateren min and lown in it are equisoles of as glisite pathow and vivid deveripion，furlapo havald thle equalled in the whate range of hatin betry．Now and then lie allewnive－some of the formiar mathe and legends，shames has ther fore Shulow numal trutho，and in such batase he is one of the subliment aum mos impresite in funt．．

For a full discussion of lacretius and has pertry，sue
 1＇rofessor Veitch＇s Lucretius und the Atomer Xhwor （1－T．5）；and The Atomic Theorn of Lucertins，in John Maseon（lant）．The first edition of Jucrethe was printed athout 143 at 1rescia ：thi－was followed in lown liy the Aldine（pulished by Aldus）and an 1：sisis by the dition of Lambinus，which from that time held its plawe for upwars of three conturies as the standard tovt，In $1 \times 32$ appated the edition of the great dopman seholar Lachnam，in which the text was rhoroughly rised， and on thes in wato Munce greatly improsed，athing a mont valuahle commentary and a clowe aml buthus prose trankiatm．frechis tranlam intor bonlinh verse（Iひ̈l4）was tile work of ：un enthasiantic ablumer of the poet and his fhilnophy：it in on the whole a goral piece of wonk，but is little khown．
Aucullus，I．format＇s，a very di－tingui－hed
 Sithilatie Wat he commanhed the thert an lowate

 ahmes amililated his army on its notheat．In 1
 nes－ume which Lucoltion now introhnowl in the
 Was a jut，wise，and hamathe whinivitator f fat


 victory we Tigathe．In the following year he



Mithridates; but the mutinome stint of the legiome dialy inereaned, and nom tie conlid le mothines. It last he was supersended hy Pomper, atul left Isia in fif the: In amjuntion with the arimomatio party, hatemped to chatk the increatis. fown of Pompery, and the attompt ramern the watitim known in the tiret trimmirate. Bat ha wan ill
 men, and som withlrew altomother from political
 (hut not manarly) probision- weolth: and he spent the remaimler inf his life surmmond les intists, poets, and philesophors, and whilitinis in hiv villas at Tusculan and Neaphlis, and in his home an! pardens at home a haxims and spentom Which lecame poserlial. lle died alwht bic.
LIfey, NT, a virnin whan was martyred make Dincletian at symmes. sla is the pratom of the himb, and is commemorated on 13 th l lecember.
Laddites. hamls of workmen who went about the midhand comation England hetwen 1ster and 1sts fermang mathinery, to the intrometion of which they attibuted the want of work conse. quent on the commercial depmaim. They took
 idion. Who had in a pasiom destroyed sme stocking fanme thits ypars lefore and their ontraves eommenced at Nottinghan in Norember 1shl, and extemed daring the following sping and sumber throngh the monties of bergy and Leidester, and

 destrosed wey lace machine in Lomghmough, while their lember openly hed lareal lis realiness to mamb 100 miles to destroy iny marhinery working under priere. In Getaher of the salme rear mother party lobe thirty machimes in Lefepter : but som after, the riots of the lathites are loot sight of in the wher and mome formidahat political riot- whiteh matend this perime and make the social history of 1816 little mowe than a lone catalowe of distimb anmes. Sere The liesings of the Lublites, choutists.


 ons harelware manfactures, such as metal hathens. harkles, t+avpems and toputs, momimge for



Laderitzland, a mame shmetimes given to
 mow part of Cerman Xamaynathod.
LIAlhialla, capital of the Lmolhiana lintrict
 jah, Indiat, stanlm s miles from tha somth lank of
 latilway. It wan fombled in 1 dso by the prituen of ledhi, and is mow at thrivine com maty amb has

 The shaine of a Muhammedan samt here attracts

Ladlow, at market than and monicipal hamond

 intpenting plate with two mohle mommente of


 than five mothom aftemardo; "hore, in the ham





 iond high. The errammar-shoml, fommed in 1282, and refommen in 1502 , is almost the oldest in the

 1 wo members, thon metill 1 No. samber Werman
 4 thot. See workx he Wright ( 1 sed 60) and Baker

 :un! remicide. wan lum of a womi wh bamily at Wathon lisalley, Wiltahire, in 1617 ; bumbed at
 the C'ivil Wity wan at stalent in the 'lemple. He

 fathers room to parlament for Wilthaire in 164t, sat among the ling- juldes and hail a place in the conutil of state of the Commonweath. In
 of home, and held the chief command for sis anmothe hetwen the leath of hetomand the arrival of Ficet wom. The refnsed tor tagnive Cromwell: protectmate, and mutil his aleath took no further part in pulnie atfaiss. Deeturnel toparlimment fur Ilindon in 16:39, he mesed the restoration of the
 in Trelani, was momimatod ley Lambert to the committee of satety, amb som in sain to remite the hoken ramke of the obl republican party. Fomr montlos after the hatoration he iled to Franee for safety, making his wiy to Vever in Switzerland, where be lived in seduts, trmiled only by the dreal of 'imalier assasims. After the hemodition la retnmed to Enalimil, hat, tha Jouse of Commons prembing an aldras to Willian 111. raving for hiv armot, he oturned to Vever, and dion there in hat2. Latlow's Themers is one of the bat contempary suman of knowledge we
 lum, inm truthfil temper. It covers the whole periml from 1640 to 16 se, and was tirat pinted in three volumes in ligs 90) ; now ed. hy l'ith (1s94).
Ludwisshors, a thwn of Wirtrmbers, s miles S. of Stutymt. It grew up rombl a hating castle
 arombl royal resilface, ind one of the principal
 Ghool and a royal gatle, with pioture gallery and
 impers tha hirthplate of 1) F. Strau-s, Juctimes Kemer, Morickes and Fitedrieh Vieder.

Ladwirshafiell. a town of the lhavian Palatinatre stambor the left hank of the lihime. olpo. -il, llamherim. It was grant ed town rights only ir s.a, and hats grown rapmilly owing to its minnfintures (smita, aniline dyers, warns, Ne.) and its $t$ man in irom, timber, cial, and arienltural products. Pop. (1464) 3011: (1855) 12, (093: (105.5)


## Latili. See lame

Lametno, at town in the Swiss canton of Ticino, fituls on the moth-went shore of the lake of the

 sillis stud the lower shapes of the hills embanomed

 dagli Augioli has interenting works of art lami.
 Wavaini amb the Italian pattionts male lagame theit
 Honta salvatom ( 29 and $\mathrm{fe}+\mathrm{t}$ ), in the vicinity, a maniferent view may he whtaned. Fop. 6tem. -


 $1 \frac{1}{-2}$ mile ：area， 1 s $\frac{1}{2}$ sq．in．Wha ，lepth varion very ereat？ average in moly abont 24 dete

Land（Lur＂es Angusti of the limmans），lajuital of a povine in the northeres uf span，is－ithaterl on the Minlo，$\because=2$ miles los rail $-E$ ．of Comman． and is still shrommend with ohl walls，hish and thich，with tower．It hate a cathodral built in 1129－7才，sun mannficemes of linen aml leathor． It was celobrated ate arby in lite time of the
 19．701．－The puovizer，a momatainoms but asti－ cultural resion，drainesl by the linho and it－ tributary the－il，and rieh in minomals that are lut little extracten，has an area of 3757.4 ． 11. aml at pop．（1くらす） 4 ：31．644．

LIICO，a town of ltaly，is milec by rail 11 ，of Raverna，laa a tranle in com，hemp，wine，and a


## Lugrail．See ふ．mi．．

LIEWOrII．See LafWorm．
Linini．or Lovino．LBersardixu，a paintel of the Lambarl shool，was hum ahont 14－0 at Luinn． near the Lago Magriore．He developed his skili in the ehmol of Leonarmona Vinei：indered matys． wif his warks neal to he attributed to Lemazin． Luini－prineipal charme are a certain pretic grare amd hearty：He liesl some time after lis30．The painteal iresenes in the Ambratian Libury，in the Brem（iallery，amb in the chmeh nit Manrizio． all at Ililan．＂ther work－hanys in the churchat Ligano．His beat－known eavel－work－inchude
 of Hemorlias＂（Lamyre），＂Chri－t diopatinat with the
 Larini is one of thio tive irgeat painters whove
 Williameonis：Bermurtime Lumi Is！


 flysician：hiv ahomen from the lint in Col．iv．
 and his name is－raremotive of an lablian oriofn． fhareh tralition sima En－ehon ham mate him a native of dntiofl in syrian aml will have it that lae was one of＂ther weventy＂montinnen in Lak＂，x． 1，1\％，that after Prontocon he lalmural in Bithynia． firmere，and（ianl，and that，aftow attaimin！s a anmi

 fate than the sth eqnotiry Jo is natmed for tho firct thate ins antlan of the hhird camonical forpot in the Muratorian camen（ 21 tentury）：atm traslition


 anthombip of the last mentioneml lomk，all that rian low aid hore is that the majurity oi mombra critios






 aromen to a varioty of writom，is wall the mat． －rnores uf infommation，atml to tho former clam



 yratio in the firm promen，athe，thin lobiteres．it is
not ditlicult th nuteretami the gromes he whinh
 ter les attributed for hime．Io ramente the thirel
 pretace expmony dinditur tu hate lomen ath eye
 not make the leant pretenam tn ans suecial

 tion of literary material hav tahom flace：who

 ness of schemb．and onderlineso of mothom．That，if mot himeelf a Gemtile，he writes chiefly for（apotile rearlens is evidont from suh cilcumstanom in the manmer in which he halitmally maken mee of the Geptnasint translation，his ahsimance from Srama joms．his reterving to booditien alway hy their tireek mamose anm the like．Dhemest the doen－ ment－emplaterl ls him the most inpmitant were the collection of blopia．ar sliwomres and sityines of the Laml hy Mathen，ime some form of 1 he mopel aceording to Datk（one（owsels）．He mu－t have hat uther ammers for the hatitil－he has hambed down reqading the nativity，amp for the canticles which le alome har pertmenl．Workines as he elid． mant probathy in liome ，it was natmal that be －honlil rellect in hix enomel mond of the teaching of st Paul：the fact that let dist so is imberated in the tradition（Enveliu－）acomrliner to which that apostle alhated to the womb of Lalie in the expre－son， －My monvel．As resand date，the third indelel manct be phame at heant later than the abotmotion of delu－alem（Lake．xxi，－3． 24 ：xix．4 43 ，44），and also in all fohblility sume vear latel than the govel areonding to Mathew．



Lukiora．an intermittent nuthow from Lake

 Nublotten，is－itmated at the mamoln of the river Culeat．on the moth－wost const of the tinli of bathona It expurt－timber，tar，mamm，reindeer－
 （sitnated 120 milon XVM．from Laleat）．In Wetoler



 in the nurth of the lattor comentry l＇aps． 3 and



 made him diventor of the sosal swelpotaid and
 liari－lin collatmation with ghanalt．Latly emm－









 wan lain itt loalmat，in Majoren，in lotit．In hik








 never afterwath albumbed. In pursuance of this project lo commement an earnest stuly of thanorg.

 sire imenne. Which hats an severely tenterl the shendif af commentator- This work is the do-

 [1) the mimi in the anduisition al kinowledge and the whation of ath pomshle prohbern be atsternatie maniphlation of rextain dumbanmental notions (the Ari-totelian catesurios. Ne. I. Theren invonten a machine (of in bry fartahoaral) to amist in thin aroat task. Ket in thi- hapartme from seholastio
 nathre. he wam really it peomon of bacom.

Lally shbequatily palli-hed amotlee ramark-

 he han seredoped in thi hook, he went to Thais
 Eiqs lomer bua thrown into pricon and eondemmed to homi-homent. Jiter lecturing at Saplas for aremal wars bu jumbeded to liome, thence to his native ilame of Majorat, theme to ('ymme amd





 for J Jhica. at Bugia le war-otomed amb ill-theated

 relighons mystion-m with a belinf in alehemy.

 of his works by Nalzinger Mainz 17til aml Rossella Palma, 1 ndict or $q$ g.

 small of the bark. It is often first reworiked lis the aromrence of a hazp salbhar min in the lonins apon attmoting th rias from the remmbent of
 comfine the bationt to hed and in onm pation, from
 but in miklar rases he ean walk, althomsh stifle aml with pexin, :mm w-mally with the bomly bent more or lex forwanl. It maty be distinguinherd fom indammation of the khane be the abmence

 comiting sum othel com-titutamal - fmptoms which



 when the haty in heaferl, innd viondent straninis will manetimo induce it. In pornon-with at stomg



The treatment mu-t baty with the intornity uit the affortiom. la mos caston a wam bath at berd.










 bromblat in antat with jumat of tho skin over

 hlisturs splom wern if the operation in properly performeal. The applation of a hot imon, used junt as in iroming elother, with two or there folds oi blanknt letwem it and the skin, frequently gives great telief.
Lamber. See Trumer.
 I'HいTいपETRY

LAminons I'ilint. a phowhomenent powner,
 up, with a colomeless vamish or other medinm, and ned as a praint. Even after daylight is over the I'hosphorevcence (r.b.) wom on, and the whjeet painted rematns vishle in the darls. See halmain:british patent. No. \&1.2 (1875).
 Gemme of tishes of thr family biacolobli. laviner the head :mul haly ienp, thick, ind short, the Track with atn elevated rikge. which contains within it the antorion lorsal fin, the skin withont seales, hat with rows of roagh bong tuhereles, the fins rather suall, and the ventrals mited liv a membrane so as
 is combon on the rowasts of Phitain, particnlarly in the northem fratt, ame is still more fentiful in the



- en- af more mortimern regions. It is frequontly, expectally in sping, taken in large mombers in
 fomm, lont its combas are very tine, copecially thase of the mate rombining various shatem of blue,
 size, whetime weighing veren pommk. 'The han]*ucker pros on malle tinhes. Its sucker is so powertul that : pail comtamingennatwallonson water hats lumen lifted whon a hmpsumbr contamed in it was taken ly the tail. It depoits large adhesive wat whollatick torether in large masses attached (to stomes me pilem neiar low-water math: they are
 Fombere withomt the thlareles amd resemble tad. inher: fley haw the watral sumber wen when lirat latedorl. It hreets in pring. Its thesh is
 antl is man la and for foml in morthern regions. It


 is nathally distmgnisheal as the hernpaille.


## Idthatey. see lNsisiory.



 the primejpes af gravitation. See Moos.

IIIIAWillit. it small state of India, mmer Britimb protertiont in the porince of (injarat, has
 resion is hills, stomy, and woll wombed. The eapital, from which the state beriven its mane, is


 in the extreme sonth of sweden, low rail ast milom SW. of Stockholn and 10 NE. of Mahnu. In the fot le entury it was a lape and powerful eity, was matere a hivhoprie in 104 and an arehtionopric
 -upromacy over the whole of scambinasia. It the
 power in the sandinasian pulinsulat, and for at long perion the expital of the Danish kingem; at the epreh of its meatest properity it is atid to have had $-00,000$ inhalitants. bint after the intro. Whation of the lieformation les christian III, in L.ist, the "ity heran to decar, and had sunk down to a mante village hefore the end of the lith century. The priminal halding is the tine fomaneape cathentral, lating from the llth century : it has an inpwiner eryp. Land owe it- revisal to the fomming there of a university in 1668 s has thath X't. It is now attembed ley ahom soin

 and a butaniv garden. Tegner was a pmfesmu



LImdly (Scamb, 'grove island'), a gramiti i-land wi l bevonshire, in the month of the brival Clammel, 113 miles XNJ. of Itartame Point, $1^{-1}$ NW, of Clovells, 24 W. of Hfacmme, and 30 SEE of St Gowan* Head in Wales, It meannes 32 miles $\ln 1$; has rocky and precipitms shores,
 arm attain- an altitule of 520 feet. Vere, near tha somethem "ond of the islant, is a lishthones, lailt in l-2n. "The clith are the reant of multithen of sationl. The antignities inclute prehitomir ki-t, remaine of round towore and a chathel, amb the mine! cantle of the Marisemes (11th tol lath centuries), form whe time on
 sucersively of pimen, haceaneers, privateers, and
 wa- the death.phere of "duda-stukely : was gary-
 Whated for thato hy the Heawn fatmily. Follo.



Liinueburg. a town of Hanome ituated on the
 It- -treets are narrow and it. lunses medieval, hut it - sumbse modem. The horla century churd

 from the 1th centmy, is pare rathic in style, ami han at tower 3al met higl. Thr medieval town.
 I salt mime, diamored in gont, still has ath ammal





 Erath inmatand ly the setternent hare of have

 1. Inday. bint it low the eneater part oi its prisileng







princer of this hase is dewembed the reigning
 of Limelorge strethes for an miloce om amb the
 sheep. It produces alow homy, bohwhert, and momeroms wila lervies, and is lacely rhined with fine heathers Sea Ifistury hy Jurceno (1-91).

Lomel. a town in the sontly of france, it miles lis rail XE. of Donturilier, with at trate in Dusatel wine and handy. Interentimg homan matas have loen foml in a cave at lomdres, if miles N. of Lamel. Prp, 6460.

## Lanette. See Fomimatatos.

Lamiville. a then in the lirench department of Demetheret Mandle, it the montherne of the Seurtle and the Fozonee and on miles ly rail SE. of Nancs: it was fommily a rexidence of the bukes of laraine ; their palace brilt in Than Lequald, it whel the Empern Frameisi. was lom, is now uned as a mavaly harack, this town heing one of the largest cavalry stations in France. Dere was simed the prate of lanevillo,

 The industry emhraces ghaps, hasiery, eatomes,

 furdiomes of the lumer, the articles on Corsion

 wat a a lichen with a foliaterens, leathery, - proadins thallus, of an whe-sreen colon, pile hown when dry: pitted with mmerons lithe cavities and notten, inach lacerated: the shipds (npotherion) marginal, redulinh hrown with a thiek lumer. It grows on truak of tree in momatainas reqions. in Britain : an other Enmpen cmantrien sometimes almost entirely eosering them with itw ansy thallus. It has lieen uned ise a remed! for fint. monary diseases. It is nutritions, aus, whem properly prepared, athols a light dict, capable of being used as a sulbtitute for herland mose: yot it is litter enong to he used as a mostitute for hops. It yields a goon hrown due. The mane lungwort is alon fiven to a genime of phather
 Burarine: The connmon harwort ( $I^{\prime}$, officimelis) is a rare and rather dondtal mative of lititan, although common in some parts of bimope. It has wato leases amb purple thoms, and was formenty amployed in diwases of the lange, lat serms to hase heen reommented chielly hat fancied reselu. blance to the lungs in its syutted leabes. It is mondiamoms and contains nithe. It has bepa neel as:ant-herl.

Lamkalh, hetter Laxks, samsk, "islamb,' in shecially used of (eryhom, amd alon of a mater thbutcongrowing district in the delta of the Cindenat.

Luperablian, atestal mante the ancient Romans, hidh on the lith ne Potruary, in lomont of Luperens, the woi of fertility. Whan lionn-
 anmonix lampar was inlentition with dyeath I'an, athl hia waship wan said to have leen inter.


 pastoral diotien of laty, ant werothing that in nown wathding him and his rito fictuls thin







way hoping that the gend of fertility wonlil he pro．
 （a）have been at lisat a shepbeve ont，this rumbing alont with thongs is mmerstame to hase beren intendad as at symolical puritantion of the lanul．
 the hajercal，and was sitmated on the Patatine 1lill．It contained an intare of Lujerabs，towerel with a moat＇s skin．Lajevealia were alan held in other cities uf ltaly．

 mostly ammals，Fomt somo of them fremonial here baceous plants，some half－shoblos ；amd renerally having digitate leaves，with rather lome stalks．
 two－lipperl，the keel beaked，the tilmments itl mitorl at the hase，The spocien of lapino are mometum，and ame ehietly natives of the comatries norar tho Nerliteramem Sera，and of the temperate parts of Sorth amb Somtly America．The Whate Lingine（L．whoms），a precies with whito lowers， lat heen enltivatod from time immemorial in the abuth of liurope and in ame parts of Sia，for the sabin of the seeds，whinh are fatinaceons athd are werl ats foom，althongh when raw they have it Armar，divarretalsle，Ditter taste，which is remmed ly fexpmy in water and lmiling．They were a
 and limana，amis still atre on in some pats of the south of Emope，althomb pemerally di－liked by thona who have not beten atemetomed to thom． The Vellow Lipine（ $L$ ．lutros），so callod from its wellow llowers，and the Empptian Whita Lagine（L． Thomais）．which has white dowers tipued with bhes， are alos cultivated in the wonth of Enrome，Eight， de．for thair semb，which are smalar in fheir qualition to those of the white lapine ln many conntries lapines，and partionlarly the white lapine， are coultivated to vided green fome for cottle，and also to be phomhod down for mamme＇They grosy wedl on pone and dry samly wils，which ly this
 crops．Nans pucies of lapine are eultivated in om thwer－dardon，haviner leantiful white，yellow， bink，wh blat lowers．The thowers of some surdios are fratrant．No hume is a mative of lititain． C．prremuis aloms samly plaves from（imada to Florinla will its dine blae dowers．



## 

Luphsio a whonic minease of the skin．in which floll or livid tubereles we developerl，having a temenemey to deatory or an seriomaly to adiont the adjacent tisums，with on withont nleevation，as alwitys to houl to indelihle cieatriens．It wan

 anse imb the lipe，lut misy meme on almost any pant of the borly．It unably berine in childmom




 from the latin lumes，＇wolf，＂in romerpuence of

labll 1 －mally
 trandurant taborelos，about two linos in dianatan
 atol sian amil take on new elatractors．They mas




the nleer beneath is fouml to have inereased in extent，till meat alestruction of the suft pato and （in the case of the now of the catilase in atbected． ＇The ulcer of hums has thinle red whas，whl exmles a fetid，belorons matter in comsilamalo quantity，
 than in the presimus varioty，and form batelaes of eomsiderable extent，the futromanor skin and cellnhar tisume also swelling and axhiliting bere and there dull－red prints，which ：ure the samomits of the imberded thlureles．The lijes berome mach enlarged，the nostrils closed with the swelling，the eralits evarted，aml the whole fare hitleoms．This varinty is known as $I$ nhmes nom cordens．

The progress of lajus in manilly slow，and the wiflerings of the patient leos than might be experted， in consequence of tha sensibility of the parts heing diminished from the first．The eomplaint may continne for years，or even for life，bit is seldom fatal．Its causes are not well known：it is thomght that a semfulons halit predisposes to the discase，but in many of thase ablected the lowath is otherwise excellent．A hateilhs has been fomme
 indistinguishable from the tuluerele hadilus：lat
 discas man where that it is molifful whether the twortranions are arthally identiotal．

Trimbunt．－It is of cuma desivalole that the patients gemeral healoh be lamont into an vimoms a combition as prosible；aml for this phrmose col－ liver oil，indide of irom，aml other tomies are ofter
 relialion eflert unan the linease．The lowal treat． mont has dament thromblany variations：the aplication of stronemehatias，repeated incisions， of acrabing away of the disensed tisumes，wem often sheresofinl in mosifying of arresting the diacase
 in lss liy Cmat of llambmog，have powed very
 atpliation to the dinameal parts of platars mande
 while it has little efleet＂pwn the hatithy skin， （anmen grablual beaking lown and removal of the
 diminishes the pain caneal by salicylir and alone． Iubler any methol of treatment，homorre，the djatas is ald to bre whotinate and tronhleswme．

Laray diverin，it rave，mat lirge，lut remath． able for the vast momber amb extromblany shatem of its malartites，is elone to laray villan＇Viresinia （！）miles NVIV．of lifohmomd）．Nany af these
 lors of them are hollow，gisimg mot bell like motes when struck：abl the cobours range from waxy white to rellow，brown，or row wat Tha farmin， which is lit with the elociribe linht，attracts thomsanks of visurs evory yat．










 Jmasth，20 miles sill．of ladfart ly mil．It is
 and the romatry arount is prontons mad frotile． It has thriving mannfathom ai rambities，lawns， dimantix，allifiaurs．Joj．（1891）11．429．

Luristill，a monntainome province in lhe west

 the seat of the ancicut Elamitn matire, and is mow werpient hemmern mino tribes.

## Lurlai. see bumeleh


 It Was formerly divided into trne ami Loner hamatia, whim comstitmen 1 wh indepmbent mar-
 m. and at pold of ahmuthat million. Given in
 Corvims in 145, Lanatia wa- tranfermd in saxmy in 163.5; but by de Consper of Vipma. the whole of lower Linatia and the hadf of Plymer Insatia was celdel to Prusia. The furtion left to saxony now form- the circle of lantzen.
Lushatis, a walike race oceupying the littleknown Luehai Hill in Cachar (A-am), Chittaymy (lienyal), and the aljoming parto of hurna. To Wheck their rads on Britisl termory, expeditions.


LItiads. See Cumoexs.
Lusigumh, a pioturenme town in the French 1) Lartmont of Vimne, 17 milen Sit. of loitiens. It ha- a vers line church dating from the lla remmy, Font it- castle anmiated by legend with the fialy llelune ( 7.8 , was razed loy the ("atholian in lost. The Homso of Lomignai gave tuo titnlar kinge to Jemalem, and fon kinge to "ypurs. Dop. 12n.

## 

Lustre. the charaberintic aplearane of a hright metallic suriate. of of air within ofla under water an seen under certain anyle on total reflection (aee liefieatiox), It js suploned to he due to the cmatlict hetween the imazes in the two ever, whith do not conncide in perpect of lrightnese all wey the tidd. I sinilar monalt maty he ohtamed ly buhing with me ege at a whitr-andhack and with the wher at at hack-and white
 lowithe :ach an would otherwine have enthled the


 at lu-trom apparance.
 the solemun oflering made for expation amb puritiration leg one of the cenmo in mathe of the lioman forgle at the comelnam of the cemons. The :mimat, offered in sarition weye a har (sus), shere

 gnemial, the word hestren cime tu mean at jerinel of lisp vear-



 it frome it- name. The Arahian lutw wa-mate.


 in prair. The date of ite intrometion athe bis. ranimation thonsh Firrow i- -hants atter the






 (1) the chrmatio sealo proumen) the aulalition of thirtwon new atrines, antil in the 17 th athtury the total of twenty four was reacliol, heyom which


 (4)

 nowk: a homb, on which weme plamel the for-



 the twenty- fom - tringe twelse ran wer the finger-

 the strins with hi- hight. There were mans varintion of the lote: the treble lute wa- the -nathot, the has loter the largent. The themon wa- a donhle-nomed lute. of which the archlate
 A purnlize leseription of motation, walded thhatmer. Wa-mplosel in muni- writhen for the late. The
 were paced letter of the alphahet, befering 10 the frets: Chus, it matked that the string wa- wo low etruck olen: li. that tho liat iret wan to lue
 were phacel erothrota, graver. de. which ifonoted the lenotha of the variom motes. The dralian late is alll extant in the Fa-t, of a form maty istentical with that formilum. The Enverean lute -arvive only in the gatar and -imilar in-trmanat. The the is representerl on the sculyturn if the
 ment is immena. Fin the Enropean hate. -a

 wol. iii. 1 b-o.
Lute (lat. Buftm, "rlay'), in Chemitry, denotes
 joint- of alparata- on : 1 - therent thatwayn of valum or wane or for coatimg whan veral-ot an th rember then man eapubde of ontaining a ligh temperature, or for repains. facture.

## Lutetia. See l'atso.

 hoian, hom at Mambl-weineh in Loner Fran-




 Author "f the fourth lienguet, and wowne on the -aving. the fumbumat, ant the momal truth- of






Luther. Il




 hor walk ei life shatls aiter Matin- himh hio




 Huツ






 hand reachend his eishteenth rear, he entered the min versity of Erfirt. With the view of quatifring him self for the legel puremsion. He went thimanh the


 are. Fire this however, the death of a fibend, ami tha teror of a thmmeratorm, had denty impressed him: :mb he wax lod tothe stuly of the Seriptores. Sot content with the rooplo and epistles in the Lectionaries, amb failine to dimd uswhere a fomplete lible othomel the whole Voloate hat leetu thanslated into Ciemman leforr hiv time: sea Indetat, Vol. II. 1: 103), he hatd recomme to the Vnlate in the min versity lihrary. $[$ lis hesut was tonehed, and he re solvef tomevote himself to a prititual life. Ile arp
 atml withorew into the dugntinian enment at Erfirt. Here he vent the bext three rears of his, bite years of perentiar interest and signiticance : for it was during this time that he lail, in the stady of the Fible and of Augustine, aul with the assist
 ui thome doctrimat comvictioms whirla were after

 spirimal erisis through which ha pocsord, tha lnimen of sin whirl as hong lay mon hims too leary to be homes and the reliof that he at length fomme in the clear apmelemsion of the dactrine of the


In the rear 1507 Lnther was urdaned a priest. atul in tha following vear her rammed to Wittonbers, dentined to deribe its dine melelnity fom lis names. Hu hemame a teacher in the new imiversity
 It tirat lar lectimed on lialectire atol phy-ars, bint his beart wat alreuly gionn th thenlogy, aul in
 menood lectmring on the Itoly seriptures. His loetmes mitule a great imprwaion, and tha nownty of his virws ahmaly heran to exatu attentinn. "This monk." ainl the rector of the misersity, -will prime ome doctors. and hring in at new doctrime. bainen leothring he legan to preach,

 Wer" printed and wiolaly rigenlated in dermathe,
 salvation by tre wrace wede libuad throurtomat Eurojw. Ilis words, as Mrlanelahom pata, wers 'born not on his lipe, bat in his smal. 'and they moved formandly the and al all who heant themi. In lisll lus was vent on a misomn to liome, atmd he has dorribed very vividly what he saw and
 reverenco-for lar wan yet in his own shladitent

 bomal imblignation at the ahmars of tha palary

 wott ui l'ibate that tha words, "the ju-1 hall live
 hivfor.



 herinht. Ther infat that it was in the power of tho. "harela to formion sin hat eralnally grown into






nobeded at lonme to ferd the extranaginces of the jalpal connt; :mol its momeroms emissaries somblit evtiv whare to raise funds lis the sale of "indinl. semen : the principal of ther was Joln ' Tetzol, it Mminican friar, who had entalished himself at diaterlog ( 1.517 ). Lonthers indignation at the shamblese trathe which this man carriol on finally
 '] will beat at hole in his dram.' lle drew ont nincty-five theas on the doctrine of indialgences. which on 3het Ortoher he materl nje on the form of tha chmed at Wittonherge, and whith he otheral to maintan in the maversity agrinst all imphoners. ${ }^{\prime \prime}{ }^{\prime \prime}$ " to the lopro all right to forgive sins. This -adenen abol bohl step of Luther was all that was neresmary to awaken a viltopread exejtement. Thetzel was forced to retreat from the horalers of saxomy to limakforton-the-Oler, where he drew ont aml fulalisherd a mot of combterothers, and lumbiely committed those ui lather to the thanes. The stmdente at Wittenhiore retaliated be
 interfere, amb the aritement increamed as hew
 entarad the lickl. Eek was an able man, and an ohl frimil of lathors. and the anmment between him amd the lidfomer was erperially velement. In lisk the latter war juined hy Malimelthon. who

 distmbance: lue in rempted evor tu have said when he latald uif it that Friat Martin was a man of somins, and that lie dinl not wish to have hims molestad." some of the "ambinals, lowever, saw thereme thameter of the movernment, which granhally anommal a serionsness evilent even tor the
 at limme, amb answer for his theses (lals). Once adain in lome it is mblikely le womblever have hern allowed to return. Ilis misersity and the elactor interfered, and a lequte was sent to (iermany to lear and setemmine the rias. C'arlimal (onjetain was the legrate, ant he was but litue titted do lead with lnther. Ile womlil enter into no argoment with him, but merely ealled 1 pum him to motrat.
 he had prome to meet that paral rejmanentitive. 'The tak of negotiation was then undertaken ly Miltitz,

 prace was olotamos. I'lis dial not lant lomer. The laformer was too teeply moverl to keep silent. - Giml hurries amel drives me, he sibid: 'I am not
 harried into the midst of tumults. Jo Eick and lar leld a momomahbe dioputation at letizige (1519), in which the subiject of arenmont wats not longer merely the question of indulgencos, but the general power of the pope. The Tispunation, of emme, came to nu prateteal manlt: eably tontroversialist rlamod the victors, and lather in the meantime
 the parail system as a whole more haldly. limasmas amb llatton joined in tha eomblict, whith waxed sumte lome ame theatronimg.
 to the ' ' 'larimian Sobles of Cimmany: Jhis was followed in the same yetar ly at treatise ont the
 werfin, buth ai whicli arembatad widely, and fowerfully imbumed many minds, lather tomk firmor



 "rontan life kirmal of the whole lieformatime" Ther patal latl rontaining futyond thenes was

-     - -nal agathat him: the dreat dommont, with



 (hine asent in olotaming the hall) thed from




 the lerginning of l.jel : an buler was issmed for tha destmetion of lathere lnmsic, and lee himself was



 the - tammons. "umm whit womld. . Ill dermans

 of fripmok alike failed to mowe him. - I am wholem tw enter Wioms,' he said, "althoneh ax mayy devils

 diet, and tho lirmmes with whid, her loplel his arommal and refused to potrant, all make a striking
 "[nlpa I lse enowineed, he sail, 'hy keripure aml reazon. I mither ran nor darm retract ans













 Wats hiv tranalation of the surfoture into his nation

 harel thaly. Itis imagination became morbidly
 The mockines him while mugagel in his hetrary
 at him is still - buwn wn the wall of lis. chamber.
 Gatan wan a familitu me with Lutler, and he hat many thinge about it in his Tuble fall:

Tho dixomers whinh prame up in the prompos of








 mater to the inthumed peasithte, whila. lat watorl









 :日! tha* -





 diately follownd with his ámator-trestices, Destore
 them: and in the vehementers of his hastility the the



 amb it mast lue contiosem thery is teleroially at want
 timmen to rlatiol the dislike whieh sprame that of it. In the comar af the sathe year lathor marrient Kiathanat vom lina, one of ninn mons who, moler
 themmelves from their relioninn wos. The stel

 tibutal ta his happiness, while it serral to amich and strencthem lis diameter. Ill the mont
 hencoroti are in rombertion with his wife and ehilarin.
"lwo yeak aftor hix mamiage low fill into a

 ("loristembom fom the atsance of the Tarks. Cwo

 divines. In this emference har whtinately minntained his pronliar views its 10 the sterament of the lomis singur (y.v.), amd, as in the controners With Exammen, di-1impushed limself mone by the inflexible dormatinm bit hiv unimions than liy the

 Agsenvive ind reforming in the lirst stage of his life, and while he wat dealing with practipal abmaes, lie was yet in many reaprote mantiall! comservative in his intellowtial dhameter and he shot his mind furtinaciomsly atter midhle life to
 yrat time him at Coburer, while the diet sat at Angelmis. It wan demed promant wentrust the intaresth uf the l'mestant cetnse tu Melanchathon, Who atcomet thu diet, bint Latlar remosed to

 marks the colmination of the (iembin liofommat tion ( 1 -iso): :and the life of lathar from hemee

 marken by fow incidents of impontaner. Jla died
 at Wittanloers.

 haman ssmpathies, maxis.0 encrey manly atma atfeetionat, simplicity amal rich, if manetimps
 arenils. IVis intuitions oi divime buth were lald.


 work in this wonlil, of himlline whor soml with











others who taka hisher rank. There is a lack of patient thourhtfulness and phinosphisal temper in his downimal dinomsoms: hat the absence of thes
 "ruble conceptions, and enahlerl him to trimmpla in the stomes for life on eleath in which he was - niramed. To initiate the religions movement whieh was destims to benew the fate of Emon' and rive a mobler and more ondmons lifo the the Teutomic nations, required a risuntie wil], whicls, insteal of heiner cruched ley opposition, or frightened liy hatred, shonla only crather strongtly from the fiercenms of the contliot before it. To clear the aid thommoly, as ham hamelf saint, thmmer and lierhtnine are nerewsary. ['jom the whole. it mat be sail that hisoms presents few greater
 almiration, and in which we see tenderneso, lomonr, atm] a certain pictmespue orace and poetic semibility mone happily rombined with it lofty and magnamimons, if sometimes morged -nliminity.

Lutheis wombs are very volmambus, partly in latin, and piotly in licranan. Smonis those of
 and ciommas. llis (ommontaries on Galatians and the [salns ate atill real: and lae wats onte of the errat lealers of saertil song, his hymas, mored, bat intense and expresive, having an emblumg jower.

The most important emmplete alitions of lutber's warks are those of Wittenlerg ( 12 whs. German; is vols.


 edition was commenced at Weimar in the year of the fourth centemary of him hirth (1sis).

His Bruft, Sudsthoinn und Butenken were calited igy We Wette and redemama ( 6 vols. les ati); the Birieflechsol, ly Burkhardt (INeit), and hy Enhers (1sist -t simo): his polittishe riocitern. hy Mundt (144): his Körhenostille, ly Franche (1) frorstemam and limiscil (1sfi-4i): his Cicistlich
 Fischer (18sis). A grom selection of the lesser writinge is that entitled Mreition Luther als Deutscher Kiluswher ( 3 vols. Frank. lsictis).

Of the many Lises the most important are those of


 There is an lenglish life of merit by leter layne (1867), and well known exatys ly 'arlyle, Frombe f'ulloch, and others. S'e also Ir tharles lheard's andminable book. Maten Luther wind his Diformution in Cicrmany untel


On Lathers thendegy there are works by Th. Harnack
 fatholic viow is fairly given by Jollmger, and in Janssen's


Latlieralls, a desirnation origimally apllied by thoir alversarime to the liefommers of the

 who took gant wita Jartin Lnther exames the swiss ladomentr, partionlaty in thas comtor
 emploger lo thi day as the lowighation of ome



 him amd his triend Xelamehthon: lat almondy there wres sume whon stom forth as mane latherain than



 willmat hatsing imbinerl his spitit, chamernd lis

lifeless arthomex. whilst extreme heat amb violence against their ${ }^{[1]}{ }^{\prime}$ whents were smbstituted in the phlait itself for the zealons pretuling of the gompe. The principal seat of their atremeth wam in the miversity of lena, whish was fommerl in 15.7 for this repe ubjert, and maintained their canse against Wittenbers. Gireat intoleramee was manitested ly thiz party : and no controvery was ever rombeted with more hittemmes than the siacramentarian Controsers.
'lowimas the emd of the 17 th rentme the Luthrans of (Germany fonnd a mew oljgect of hostility in the feetiots (a.s.): and in the isth centurs they eane into eontliet with liationatl. ixnlo (i.v.). When, after the wars of the French lievolntion were owro, the Prasian mermment formed and earried into execution a selpenne for the manon of the Lathaman and leformod rharches into me mational elmmed, leaving them free to has either the Latheran ur Ileinelherg comfession, an active "positime arose on the part of those who now hegan to he kmomen is Old Suthemos. Separate enmonations were fommed, and an altitule of open hosility to the goveqmment
 atr. but hobling the sama thmological opinions, contimmen 10 maintain there opinions within the
 for some time severoly dealt with hy the government, and abont 1 sis many loft their motive comatry to fomm ald Idtheran commmaties in - Anerica. After that time greater toleration was fractined, and in latl tha 1 blal Lumarans became a Irarally-recognined ecclesiantical horly in I'russia. I freer Ni"u Luthromisu, elaming to mprevent Luthers spint rather than the dogmas of the ohl Luthoman systematists, has since Ists heeome practically dominamt in most parts of l"rotestant (itrmany, in l'onsia as well as elsewhere, moder the leabromif of surh men as llengetemberg. Hofmann, Harless, Lutharlt, Tlomasims, and kianis.
latheranim $i=$ the prevailing fum of l'mome tantism in Cemmany ; it is the juttimal melinion of bemmark, Sworen, and Norwat $;$ and thore are Intheran chamelmes in the batic powimen of linsoia, in llolland, France, loband. :blol the

 members. In all there arm man thaty millions of Lutherans. Amomest the latheran symbuliotl


 - hisef diflomene lotwern the latherans and the Lieformed is as to the real frestme of florint in the saverment of thesuluer : the latheramblaht. bug the doctrine of emsenhstentiotion- 'harist's lumy
 athl win" - -althongh rejectiner framsubstantintim
 : mal Zavivitit; whilst some of their more extreme theologiats hatro asserted not only the frexpmed of the hmman nature of thriat in the lobilis Supury, as lathay dial, hat tas almolute

 in (hnistian worshipe of things imblytront (where


 soblo of the latheran ehmotho-as cmeitixes and


In its constitation tha Luthran chmmen is

 with tha civil atutlorition so far in place of

are bihhops, and in swoden an arehbishop fof (-pala). hut their powers are very limited.
see the works of the old systematists themmitz, Toham (ierhard, llutter, ' Owenstedt: Hase's Hutteme Rodimums
 Nitzsch, and Nartensen: and the church histories.

LItoll. in market-town of Imandondire, on the little Lea, among the Chiltern llills, 31 miles by
 Hecorated and lempendionlar in stute, is a moble struetare, with a flint work tower 90 feet high, a baptistery rhaped, and many interesting monnments. It has heen restored sinee 1s6a. Luton is the elief seat in Engrand of the straw plate (for hats, bommets, de.), an imhnstry which dates from ther redy of James l., and emploge :0,000 persons heres amd in the neishbombond. The Plaithall (1s69) is a fine buililins; and thore are alos a town-latl, conn exchange, menple sput, de. Loton was re inemporatel as a moniopal horongh in 15.6 . 1op. (18.21) 10,648; (1891) 30,006. See J. Lavis, Mistor! of Luton (185.5).

Lutterworth. a small town of lepicestershire on the switt, 8 miles N゙NE. of Rughy. 'I'lie fine odd ehmreln. restored by sont in $186 \sigma^{-0} 69$, contains th** pulpit and uther relies of Wyelif, who was ronetor from 1:34till his death on isth flecember lisit. He waz hmied here, hot in lyos his remains were doy 11 and limmed, and the ashes cast into the swift. "This hrook conveged hi- ashes intu Iron, Avon into Severn, Severn into tha narmow mose they into the main ocean : and thas the a alles of Wioklitle are the emblem of his doctrint, which now is dislersed all the word over. l'op'. of pariah isoo.

## Littifll. see Liefie.

Littrimghallsen. a mannfacturing town of Wheni-h l'mssia, m miles sE. of lillerfeीf. '"loth. calion, and silk, hardware. and liandy mannfactures are carriel on. l'op. 10.49s.

Liifzell, a suall town of 300l inhahitants, in the lan-ian province of Saxomy, fimous for two wreat hattles foment in its vicinity. The dirst, a Frilliant victory of the swerdes in the Thatry Years' War, tomk place on thith November 1632 (xee (adstaves Jmolirhés). The battle on da May I4 13 was fomght somewhat fituluer to the somth, at the sillixe of diowrionchen. It was the dirst great comtliot of the miten? linssian amb lornsian army with the amy of Silpmanm in that derivive can. faime and the Fromeh were left in punesomon of t1 $1+$ - diald.

Liitzow. LyDWU: JMoly Wilhely, FREIHERR
 at Parlin on 6th Derentmer l 43 t, wave his mame to
 -hares the war of liberation in inl:3. It induleal
 No., thel was remowned for its arolont pratriotion and magnifient emmarer. The men mafommed





 fries. I pumbuments som, he was trained hẹ hin amat, mother wif the freat 'ondre, to whon law sturk







 aral when compelleal to retreat in the wintur of
 to win the rebutation of lating one of tha" reatont gomerala of the are. Dis ehiof exphots luringe the
 and to defort the lrince of Oramer at Mont Casel


 and was not emploged agabin on artive duty for twelve reats. The story that Lommis implieated him in the afline of the joinomers of l'aris is probs. ably a myth, thoncrit Jisembmicg seemo certainly to hase spent whme part of ligat in the Brantille. In ligo les was sent to take cmmonal in Flamlers. and defeated the allies at lefemrns, amb in the follow. intr rear lie twice more rontel his wh "ploment. Willian lII. (formerly Prince of (Trange) at Steinkirk and nea' Veerwinden. Ile died at l'aris on tth lamary 160.3. Luxembump hat an manaling instinet of the right thing to ik on the field of hattle, amd when to duit. In action he was prompt and bodid: but often failed to reap the fall advantages of victory owing to his imelonce. He was a little min and hump-hacked, and ahlieted to self. imblareme.

Latcollonos, an indepertent gramiduchy of
 lanimm. It consiots of a platean, furowed with salleys amd commecting townther the mulands of lanraino the forent of Infemmes, and the Eifel: nearly all its atreams dow to the Xometle, which for some 20 milem foms its eastem lamer. The muntry is well womied, fithls wheat, hax, hemp, and rapeseed, rrows wine ( $1 \frac{1}{4}$ million afallons in gomi vears), and is riclo in irom ure. 'The extruetion and smelting of thi mineral is, nest to arionlture, the principal oxapation. But leather, showes potters, cloth, baler, sugar, beer, aml pirit, are mann-
 (1890) 211, iss, nearly all (iathmiss, amd of Low
 the edneated claraso. Fin commercial jumbon lavembury is inthuled in the (eyman enstoms union. 'Th" dignity of amblanks helonge to that

 whrm, on tha death of king William Ill. withomt

 sentatives. 'l'he heal of the govariment is the minister of state, with whosn are asoctialed direre torenf buture justice, and internal atbairs. - The

 ome lo this lat on the west it inomstimtes lhe

 hare it withor litthe form its moighommestate. the
 Ol:2, $0+1$. Thiti town, Adm, 'low history of the gramd lanhy of Laxombaror lanims with the hin tory of tharity. On the ster of this there momel in









 shated tho himiory of that state down to libot, but





it as separate slate, a member or the dermand Confelpration, lut war it to William I. of Ihollimu. Ame the position was ngoin deedared delinition of the eastern mertion in ls39. Wy the Lomolon trataty of 1 stia it was made a rompletely imblemblent -tate, and the Pranaian samian withdrew henat the

 and $3: S W$. of 'raves. Its situathon hats often hoen comprared to that of bermatem: the eity stamls ma a racky platiorm, emmomed with the noighboming conntry moly on the west, and abewhore engirt hy atopi valley, 200 feet deep, in Which meate tho industrial mbums of $k$ liancen,

 Austrians, Fremef, and lolloh, who sumeromively hele] possesion of the lown, sh inereased and -trancthemed its fortifications, lewn, like those of Gibmaltar, in ereat part ant of far solid rucls, that in the lamimine of the 19th eentury it wisem. sinferel to be, with the exception of (aibsaltar, the -troment fortrese in Europe. But they wore de. mulislam in amordanme with the traty of Lambon of $1 \times 67$, and the site of the walls hate heem laid ont as beamifind garlens. There are in the town the ruins wi ('ommt Mansfelds pradace amd the cathedrad (1milt in 161: ). J'of. (1505) 15,954: (1890) 1s,157.
Ste works by 'oster (186!), Nohotter (1842), Wervple
 and one in French by dilisener (1sis).
 4500 . 5 milles NW. of belfort, with remalns of the momatery foumfed hy St Cohmbamm in 5 soco.

 ficcorrite of lamis Xlll. of Framee, wils a proge at the romat of Itemry IV., amb became altimately pera of Framer and hameellor.

## 

Lazoll', the liargest of the Philiphines (リ.ソ.).
Larinlar. at gemus of pliunte of the natural mole
 instrad uf at intas mented calsuly. :mhl in hatsing sotu plame leatres, whioh arr denmally covered witl thinly matemed lomiols batir. 'Thes du not armw in wre phars. like rushes, lant in womls, patistures. and elevittor mommbinmon sitnations (see litisu). Perlatis there is no mona common lbitish plant than
 pustris), at blant of very lamble wrmbla: its fowni
 a rame hatal. thrir diak colomar relieved log tar Yhiti-h
 ity p:atare in firm! la i- of no agrionlomal valur. "Thar sureves whieh Erow umbre the Mathe of trome parame their vardare in Winter, ictlinge 10 lha

(Lazuly cromyantion).

 /homern ( $1 \times 52$ ), written at Limenla, with it-mernel
 Which takes mo aceome of evorn the shatuent ditferences in cread and religion. Iler othor bonks arte In
 partly written in Italy Whore mont of the ideas


 (heristmess (15s! ). Der movels are watacterised by


 brace. Nost of her tites thm on melf-sacritice,
 agamet the sins of the fomgore She conceives her wameters liset, then survonmin them with the ehain of rimomstance for the due dremopment of the tory Like lienwe kliot with the
 to assert hriself aterinst an impostor in Ceyton who hand ankoped har manms. Statisties of the lumks real at several libabes show Edma Lxallos movels to lave heen most in demand wer a dortan periond.

Hyeanthropy. See IVere wolf.
 Asia Dinor, Jommled E. Tu Cipphilocia, N. ly Gialatia. W. ly Pisidia, and s. lyy lamria and ( ilicia. Its capital was Jcunimu ( $4 . \mathfrak{b}$ ).

Lydellll (ir. Luhtion), wininally the name of a place in the immendiate mojerhbmathond of A thens,
 hady woml and beatifol gavens, lant particolady for its orymasimm, in which vistotle imb the peripatedies tamblat, and from whinh the liomans bomwed the same mame for similar institutions,
 in homom of Ariatorle to the higher Iatins selomas int whinlo the Aristotelian philosaphy formed a prin-
 the mame is varioms ajplime to ednattiomal mad


 be ealled in England an acondemy, asombiation, or voriety: It maty signify also the bimanes in whide the society merits.

 roof. It is very common in mans parts of Englamel

 hatial are set bown mand the shetter of the roof while the opening womls of the rember are bead.

Lumbate atre wery rate in seotlamp: the illustrat
 -hire.

Larlonis. at frme of flant- of the hatmal

 patate combrie. Surabl at fomm in britan.


 sery rave, and sernally fomb stowing on almot
 Sietum and the white ':annion (I. proper-
 of wooms. The liat two are diovelus, amb, trangely fomph, the femald of the first and the mate of the seond are wey rommon, while the math of the liat and tholate of the secome are mathor fare. The dhwers of $L$. ecomertime are usually fragrant in the evening The sompet
 is a frepment and hrilliant moment of hawerborlers sime of the specion have samateons





 the whers ate very fortile. The mont ancient inhalitant ate aitl ta have been two races callad Suhniand Tornilar The Lxame aro prominent in the Itandiv legemb of the Trejan witr. Lycia
 of Lexlia, hat wax afterwand mate sabjeot to the
 the time of it indermbence it comsisted of twate thee empomate cition of whim the primipal were Xantha- ( the capatal), l'atara, l'inario Hymjhe. Muan and [low ; and at the leat of the whinle
 the Laciard. Bany homburnte and minod haid
 sutimities twaif: (he attamments of the Iselims in civilitition and the arto. Which they

 firt to dincomer :und wint out the interexting -haracter of thome Lywion momins. A hamimal onloction is perervel in the briti-h Maram.



 akiul h\%m!.





 sambar rophothe, "ombainine two urdore with

 ato mamailly distributell ; and the ?



 homivinome :
 an the sonthern hami-phore.





I. Alervetum. She common whbmon of the britiols

 yeri":
 fomm of hathehing. The stoms. except in the Ahubla fomme, are Aember, amble nevern more than a frw feet in lengeth. The lematon ane small and undivided, wathy orerlapping and completely protertine the stem. Sureciald loracher are epore-berins, and onf jumanginm is them in the axil of each leaf. Guly in whe fancil forme ar thete two kimis of -ymion (heterompromes). The sum hevelyn at ereem prothallus. wheh conls renthaim inta the wil, or a rulominn. tublums sultertanean pros thatha- lint luth fimur pirnduce un the samm indivilual antlembliar ame archegrona: the farmer problue eyermathaninhs, and the latter mosheres. Firtiliation we Mux as in the Pern (4, - ) The wombte plant whim pronlte from the feltilization of all omphape ly a sermat twand i- the con-pionatas weneratim. while the "whysu in pothalla- in the mon
 rout- :he cimple. and mias arive at any pint of the steln neat the errumid. I number of thattened varnlar hamlle nomite at interval lomitulinally in the eemple. of the - trata to form an -inda asile exlinder, which i- sur rumded hy is heath, white
 ther reat of the semaromoi this is male up of think or thin walled endls. The Hement of the hander rextmble thes of fixth. 1
 midribun cuch leat. Atrmation of denmation i very stomply makel in Larombinm, but sege
 hy mean of himil in the inil of the haver on on the root- of lig meane of : alvantitom- buls an the stome.












 tra like ferm that "on wer blation in the











memory was honomred as that of a god with a ternplis and yearly sampitiets.
 was a pmpil bi Plato aml lsocrates, aml watmly - "pported lomosthente" poliay. lla was thriow apminted matatger of the revome. lle died in $\therefore 2 \mathrm{~s}$. Uf his fiften perebre lat une is extant.

Hyddite, a powerfal explosive (like melinito). made fram pimate of poranh. It is mande at Lythi,



Lydeate. LoHS: an athomer amp jmitator of Chanerr, was lome at ladeate, near Newmarket, in Sullolk, atmus $1: 300$, wiml became a monk in the

 and laty, and retmomed a master of their poetry. In thes monastery lie alpears on have tansht the rhetorice and phidosplyy of hix time, and he whote pertry with equal rase npon the most witsly fitlerent themes. 1 lis death probahly necurmal ahont 1450 and we havo his own pyidence that his last years were haraseed by pourty. [inti] his ohd asp he seems to have been more of the foet than thor monk, bit among his later works are a metrieal Life of st Eilmumel and the Leryend of st Altutn. lit-sm has emmorated in his Sibliognomhien Potien no tewer than 251 pieces writen by Lydgate, and mont probably even thi- list isincomplete. A selen. tion from the minor poems was edited loy Jr llalli-
 works are the stome bf Thelas, the 啇mblbook, aml the liells of l'rinces. The Storio yf Theres is representen as a new (antellury taln, bull by the anthor after jonnge the company of pilgrims at ranter $^{\circ}$ hars. It is written in hyming tensyllahberomp lets, and contains almont 47 so lines. Its monctes are the Thedmid of Statius and the Tespele of [bucareio. The versititation is rantorh, ant, indeed, it camos be denied that the prem is dull and prolix to a degree, the poolorne alone excepted. The Troy book was momeraken about $1+1 \mathrm{E}$, at the reguest of lrimce llemry, afterwarls llenry $b$. anil was dinioheol in 1420 . It is written alvo in tho ten syllable qouplet, and in disided into live book-. and Eombled on Guito di Cobnmaix Latin proat Misturam Trmpomer. Its lexst-known passare is the lome panergite on his "Xhaster ("hancer" in the thirillowh. The Folls of Primes, divisted into nint



 the lremierfat of lowearoios latin work, fir riseibns I imorum Illnstrium. Wther works that maty merely be mentionmal here are the Donance of




Lyalia. :mojantly a combtry of Saia Minor,

 mainl to have beren oriminally inhahitud les a peoph-

 combtry w:s ceplelbatom for its froitful suil

 walth, partioularly for the walal of the river

 cormption of momals whieh pevalled amonest its


 moncial antivity inlamul. 'lhary likewins dis. tinguinhed therinembers in tha textile atts. They
were believed to hase heen the inventors of coinet mones, and of dice and other games. Hany elements of their civilisation seem to have been derivel from the llittitss: llittite governors ruled for some time at simbis. The sum-got Ittys and 'ybele, the mother of the grols, the llitite-habylimian 'Tammuz aml lstar, were the deities principally woshipled. Three dymasties are recorded to have ruded wer incient I whit: the fimt, wholly my thical, wan fommed hy ditis: thasemmb, usualiy calleal the Ileraclin, from its fommer leeing a relnited son of llercules ly Omphale, has been ilentified with the llittites; the thimd was founded by (iyges about 600 b.c. " 1 his king ereated a powerful Lyblian empire, which attained its great. est period of splendonr moler his desemdant (rosm, (リ.v.) the rich, who wats slain ly gros the Persian in 546. Sardis thereafter beame the westem cajuital of the J'ersian empire. LNodia was subsequently suljeet to Athens, Alacedonia, and lome one after the other. 'The merest framments remain of the lonnuage, which was apparently 1 mon-Enropean. Fir the Lyilian monle, see Jabanovi and for Ludian stone, ToLen-stoxe.

Lye, a term sometimes used to denote all solntions of salts, hat more wentrally apropriated to solntions of the fixal alhalies, jotash and mbla, in watres. The solutions of canstic putash and sesta are called canstie lyon: thone of theiv cabonater, mila lyes. The hlud which remains after a sub, stance has been erparated from its solntion hy cratallisation is called the mether lyf.

Lyell. Nil: CHarlaE, goblogist, was the eldest som of Charlen Lyell, Eag, of limnorly, Forfarshise, Where lee was horn lith Nowmber 179\%. After receiving his early edncation at Whalhurot, in Sissox, he entered Exeter College. Uxforl, and gralnated as B.A. in 1sig. At Nxiond le attended the fectures of limbland, and thos acpuired a tasto for the wencr he afterwats dill so mard to pronote. Ifter leaving the mivensity he stmlied law, and in due time was callod to the hatr fomt his direnmstanens not rempring a pulesoion necessary for a livalimom, le bevoted himmelf to geology, and

 of lis inventigations in the Tionswetions of the
 The lrimmides of biotery ( 3 vols. $1030-33$ ), may he ranked nest after lyarwini (bratil of šyerits amoner the lomks which bave exmeriad the most gowarna inthener on the dimection of recirntilie
 the Pelitof in ther neessity of whumbous conwhlons in past times ; and tamemt, as hat long bofore bewn mantaned ly lluton and l'haydar, that the wratost meolowioal chamores might be promenced lis the fores still at work on the earth. It was sumetuently dividul into two parts, pub. lided :ts two distinct works-viz. The Primmipes
 (iml its lmbobitumts (IOth onl. isiti): and The
 the Learth ant iAs Inhmbitants. The Geotogradel


 Promels in Sonfle Tmotion (1Sti) and . 1 Second Fist to the Pmited states (lyi! ). Whring the

 and the :mmant of leplosition of allaviam at the dulta of the Dissiniphi. (ha the openinge of




and in Istit president of the britivh Amociation． 11．Was kniofleted in 1Sts，and createrl a hamonet in
 in Westminter Ahhes．Ser hiv Lifi，Letters，wel fouturls（？rols．lssi）；and the atiole（itsolotiv．

## Lykewake．sere W゙ate．

I．IV．Jums，romamo－writer amd dramatist，was bort in the Weabl of kent ahour lini．He became it sturlent of llaglalen Collener，Waford，in 1569 ：
 Lanshowne JIS． $1!+$ is menmed a latin letter （written in lota）in which he hegs Lomd birghley to lelp lime toward juocorimy a followship at Nag－ dalen Callege ；but the application does not appeats to liate laren sucerofinl．Ite afterwards studied at Cambinlee，where he was incorporated M．A．in 1599．Jialiner to wain preferment at the univer－ sities，le followel the comrt．Among the Harleian
 hergener that lav might le alpointed Master of the IRerel．In the tirst he writes：＂I was enterteyned Vot Jats suant ly yor owne wrations fatoon， strumthened with comdicions，that I shonla ayme all my courses at the Keuells（I dare not saye with a promise，limt a hopetull lem to the reveon）for $w^{\text {ch }}$ theve 10 rere．I have attended with an m－ wearyed jationce，and nowe J knowe not what Crably tonk me for an Gyster，that in the midst of yor sunshine of vour most grations anjeet，hath thrmst a stone betweent the shells to eate me alive that onely line on deal hopres．The tone of the secoud letter is even more clexpondiner：＇Thirteene yeres your hifhnes seruant，but yet nothing．
A thom－and lopese，lint all nothiner：a lomolved promises，hut yet nothing．Jie found a patron in Loril larphas，who gave him some post of trust in his homelolif．Jn $5 s 9$ he took pirt in the Jartin Darprelate rontroversy，and incurred the enmity of Gabriel llarvey，who described hinn in l＇icrés Supercoqution（1．903）as＇a mad lad as ever twangd， never trobliled witla any inlstance of wittor circum－ stance of honestie，sometime the fichlesticke of Onford，now the var hable（hamble）of Lonlon． ＂The anthors at Athem Cuntubrigienses（ii．B26） state that he was retumed for fyleshmy to the parliament uf 19th Fehruay l592－93；for Aplehy， 24th october $150 \%$ aml arain for Aylenamry，Tll Whetoher l60t．In December loma he addressed to secutary（ecil a lotter expreming disabrointment at not obtaining ablvancenent．From the reaister of St lartholomew the Les，Lombon，it appears that has was buriod 30th Noventure liof．Je was nampies］，and had children，was short of stature， and wery fond of tolatore．
lylys most famons work in hin Enphters，a


 followed in lovo．In cumert cimeles the romance was

 deslared：＂Bir Nation are in his lelit for at new Lisflinh whirh hee tatught them．．．．All our ladiox

 rewarled is here which now there parake mot



 i－the exmatant emplosment of similen lrawn from


 in antilhemis．I．yly rambut 10 late the minglamt


herbals．This manatmo：style of writime wa－mot Lyly＊invention，hat was lor a lare extent mondelhod （as l＇rofenor Lamlman！hat shown）on the example
 others had ham－lated works of liusara；limt the Sbaniarl＇s clains were forentom，ind lyy was romaded as the pattern of robemont．limeme， lowhe，and othars sat thomsolva for imitate
 delilerately extravagant as Lyly：later the empmistir style was held up to derision．Drayton speaks scmonfully of

Lylys writime then in use：
Talking of stomes，stars，phate，whishors，thes，
Playisg with worls and whe similies．
The matter of Enphues is more commondable than the manner．Somma advien is ollered on the sub－ ject of friendhip，love，travel，the nature and edncation of elinhren，morality，and religion．

Lylys comedies（which were priformet hefore
 able than his romance．＇Jhe earlient，as we learn from the prolorue，was The Jrmom in the Monne＇， first printed in 7597，but probluced in or hefore lisw． Cempuspe and sompo whe I＇lou Were pmbliverd in 158t：Emdimen in 1591 ；Ginlluhlou and Mides in 1592；Mother Bombie in 1504；and Lores Motomor． phosis in 1601．With the exreption of The Il when in the Moone，these comedies（on prastoral and mytholorical snbjects）were writen in prose． Thongh they display litte dramatic puwer，they are fancifnl and attractive entertamments．Fre－ quently the dialogue is pointal and sparkling．The delightful songs were first printed in the collective edition of $1635^{\circ}$ ；＇＇upill and my Campaope payed＇ is in morlern anthologites．
Lyly＇s plays were edited by frairholt in 1558 ；Éuphues
 （1895）．See C．G．Cliidd＇s Luly end Eophuism（1：34）．

Lyme Jegris．a seaprit ami waterins－place of Dorsetshire，at the month of the Lame rivnlet，is milos SE．of $A$ xminster and 23 W ．of Jorchester． The Cobl，breakwater，dating from the $1 \not+t h$ contury， was recomstructed by fovomment in lsos－26． （＇hartered ly Ehwaril 1．，and inemporated loy Elizabeth，lime returned two membera till 18.32 ， and then one till lsku．It beat ofl lrance Jaurice （1644），and was Mmmmotlis lamdingr－place（16s．s）． Natives lave been Sir Gearge fumers，litutan （＇oram，amb Miss Mary Anning，the dincoveres of the Jobsthyosamus ame Plesiosamus in the Jias roclis here，which are largely quariod．I＇op． （1551）2661；（1NS1）2047；（1591）2365．Lee Lioberts＇Mistory of Lyme R＇gis（ls3t）．

LyHingion．a manicipal lorongh of llamp， hire，at the month of the dymingtom liver in



 place．It commamis linn fromberts of the Ina if Wight，and its vieimty ：olnmonds in elatmingr





 the bymphatios（y．v．）．It is a ralourlion of



 shme time tor contrant，an that at lat the clat in bry smatl in prometion to the exprearel artume


 gramles，fat－ghbules，and occinionally hoomemp－ purder．

Lympliaties arise in the foma of a network of lymph capillarice wheh lie in the mimute intor． cellabar pace of the boly，ami in ahlition fom larace lymplavitier，sucla as the peritmat，plemal． de．The lympla to then ranveral lay larer and latser verabs，to the ram－ ans syom，on enterins which it mives with the howed．The lymph uf the left－ide of the tromk，uf lmall less，of the left ：am， and the whale of the elyle is convered inta the home les the thoracic duct： while the lymil of the right sile if the heal， neek，and trmak，and of the riwht am，enters the cirenlation at the junction of the axillary and intemal jusular veins on the night sifle hy a short trank， gnated at it－יpening ly yalves．$W_{n}$ it way the lymph pasen thoughmall glands of the size of a pera or hean called lymplatio Gands．Thas，those of the am pase throngh the lomplatie glanls of the axilla，thone of the lese throngh the glamls of the stoin，anm thone of the heat and face throngh the slambo of the mock．

The lympharie primarily irmo the thit part of the ham which exule frmi the capilaria，bathes the cellh and tisues of the lanly，athl then，after －uplying them with fool and recoring their excetions，phases on one mone to entw the cir－ enlation，heing rarried there by the lymphatic vesels．The componlar ehment－are chietly the prombets of the lymplatie plamlo．See CHirle Chetlation．

LyHChbors．a dity of Virginia，lies in a pie． turpope momatan－region，in the Jomes liver． which is here atmmel haveral bridges， 124 mile by rail W．las s．of lielomal．It in a thrivine plare，with the eloctic light and dentrie trame， and han everal fomolries，a cottom－mill，a frime． raming fatory，and mantactorio of nails，farm－ ing inplements，fertilars，and finnime，lusides tobnecer，which is the staple of the town＇s trate． There are twonty fom leaf－thateotartoric，and
 15．90：3；（1590）19， 209.

LyHCh Law，the smmary triat am pumin－ mont of mitienters her priwati and whathorimed
 bewn necesarily moldeged in comatrion mewly
 not vet autliciently mahlished．The foemenery will whith it hats bion reserted to in the wathern and wetem stato of the Shevtean lonim，han
 is tu be refored rather to at doth on the pat of the mols as to the suleplase of the ordinaty
 numbur of mimern in the Inatiol statom wan
 af trathing at．Of comme，the intiction of



 tu a Viminiat whicr athe to ：Virainia firmer of
that name，to one Lynch who was sent ont from England about 16 sin $^{7}$ to supres piracy and to a
 annther tradition refers it to lynch Creek，in North Carolina，where the fom－of a cont－martial and execntion were ame thrman wer the lifeless thody of a Tors，who hat alrealy I cen preeipitately hanged toprevent a resche．

Lyndhmrst，a hamphare silhon，the rapital of the Sew loment，！miles sill．of simethaptom． Its chutch（1se3）is a brick Early Lagli－h atructure， with complicnoms opire，shoul stajned crlas－a mom－
 ＂Ten＂irgins．Noar it is the verderers＂hall，with latus：stirnul Pop of parish，los！
 thrice lom Chancellar，wa－the sun of d．S．Coploy， R．A．（q．$\%$ ）and wax hamat Bonam，Masachmetis，
 followad the painter to Lomdon，where，fron ITso till hiv leath，his lome was at ois deoge street， Hanover Square：and，after a private education at Chiwick．in $17: 9$ he ontered Trinity College，Cam－ midge．In 1794 he cante ont second wrangler and secomb אmith－mizeman，mext year wot a fellowship， amd in 1790 paid a six monthe vis to the itates， tracelling through theom with Volner．On his retmon to Englad he lugen to staly for the har， to which，lowever，he was not ealied till lat， when he josined the Hidland circuit．He worked asilumasy，liut sumem was rers，very sow＇till wot，ame mot asmod till 1ste．when he mate a real hit he hix ingeniom defore of at Laditu rinter．In 1 ist he obtained the arouital of Thitlewoed and Ir Wiateon on their trial for hisht－ treasom；hont for the mext state prosecution， four mathe aterwarels．the gomment seared him on their side，and in 1 sis he entered parlia－ ment ior a govemment lormgh．Henceforward， whaterer his fommerplitios，he contimad a fairly consistent Tory ami as anch his promoton wais

 1se Manter of the koll．Whor Commine was rharged to form a ministry he offered the Great seal to Copley．who was raised to the Uper
 Chancellor moler there ahministrations from 1 sez to lasot．At the clowe af the latter sear his Whig＂pmonts mate him thief haron of the Exchepner，which oflice he exphamed for the wombark during Pedts lowi abhinistration （1）：3t－35）．He nexi leal the opmositime in the
 review of thesesion doing much to reanimate his party and fave the way for its rotmo bow per in 14tl．He then for the thimb time bextme Lomd Thancellor，amilheld the（iveat sial till the defeat of the Peel gaverument in lstio．Nifter that time he tow little part in loma probites，hat him vice was often hearl on mathrs of foroish polies． The athend with blinde．．．for the lati inarteen
 at the weat age of nimetyme bendmets


 new hato exallal fur hatits，mallom，and leyal

 －baterman，lawner，or mator．mainly perhan




 Wッド，S心TEL．
 Sot st, whe of the beot, and long the mont fuphar of the ohler scottish fuet-, wan the som of bavid Lambily of (bamplon (mas datemon) in Eata Lithian, whene erimenfithor was at an of Sif Wifliam lambay of the liyes. The fant in sath he Chatmers to have leven lwon at the Momat almat the vear ly!n. hat lainer in his reenat elition af Lymbay ( 1 -9) mote the almence of prbene on thi moint. Chalmar having apparenty itommed it as a eomerpmens of hiv ompmotion that the
 while Latine has thon that this was the pet's Erandiather. The matme of Da. Iimpeay nemos in the li-t af incopmated, thatento in st sat-
 band. It may le that af the poet. Wir cammot tell when he entered the royad wrier hat in wetober ball he in fomm taking part in a play acten lutore the comot of Jame $\mathbf{I N}$. In the tollowing opring
 Wh. Whan little more than a twelvemonth ald,
 fleasing traces of the care and athection with which he tember the kines infint year. Iliowife. - Fane bmanas. had lomes the charge of the mal apparel. In 1524 the court iell under the pumer of
 hat hi- phace : lat four years afterwarlo, when the landate wore werthown, Lymhay was mate Lyon Kimgoram, and at the sume thme received the homom of knishthomb. Th thin eapacity he acempanien embanies to the conts of Englimi, France. Apain, ant Demark. He apprears to have repmenten copar in the pariamments of 1042 and 15t3: and he wa preant at st Andrews in 1int when the follawers it the refomed faith eallent home to take mona linnelf the oflice of a jublic prowthr. He dieal chillless before the sumber of 1-is.i.
 in Frame in liss: and thpe editions. with a tew pines added, were republish log Charteris,


 Fon fally two centmin, indeed. he wa, what Burns lia- -ince lremone the pret of the scottish people. llif wath wore in almot every hone, his rerses on almont every tonrue. Like limno. he owe prat of his popmarity mo doulat to hiscomplete mastery of the fundar speech. but, like limme, Landay womlal hase been ratul in whatever langrive he chane to wites. Hi, veren -hos fow mark of the hinghet fretimal buwer, hat thair merits otherwise are oreat. Their faner in onvely long genial than thoir hmmor, and they are fill of woul smav,
 They are valuatule now, if for mathons dere than

 In proparig the way sur the ereat wonhtion of

 land that all the -rmond of ham. Liki linms,






 lat that uhich is unw real with hout phatures


 of lomblay's whrle in that of hathers (3 wols.

 A momber of hiv fucm hime luen elitel he d. Small and fo. Hall for the Farly binelioh Text
 Suedety have modertabion a new matition.

## 

 Engnal, was the am if the lame of batmwan in

 with it spred at luilurom and l-le 1 bim. II. di-tingmiohed himedi at the eapture of Xinome
 Which eapitulated (1smo) just after hio wa-
 retreat to Comman and in the Wialdheren experi tim (1sum), at barma, near (faliz, waned a phendil retors wer the Frobll (1811), and then umber Wedington di-timeniohod himede at
 at Bulizjo anl Salamancil. Commanled the leit wing at Vittoria ( $1 \times 13$ ). Ciptured Tulona :mat st selantian. amd, hasly commanded a hody of troopin Hoham, with wheh he hofeated the ememe at Derxmo. lint faile, in an ill-imived attempt to
 he was erated Baton Lynedoch of Balwowan, and in $1 \times 21$ was pomoted to tho rank of gmeral. The was the fommer of the Senion ("nited Semper (")nt in 1s17. He died in Lomdon, lsth Heenther 1stis.
 II. Letavole (Isvo).

Lynn. or kises hast, a mant, parliamentary and muniopal hornog of Norfolk, at the month of the lireat base, to mile IV NW. from Zorwich and 96 S. b- E. from Lombom. it atili retains traces of the rampart : and a form, which once :-nardel it on the lamband cinn, and aboumlin pieturesge ohd timbered homes, ondanented with eared work. Of it-fum charehes the prineipal are ernciform st Magratets, vargine in stale from Soman to lerpembiculiar, and et" few bus, with two towers, one of which till 1-th
 St Kidhola (114i-it), with a modem ghre (labit). which replizeet me hlown down in the sam: hmmicane as that of st llarmatis. Whem features of interest include the hed Monnt Chapel, octagmat, noticeabla for it, rimbeomat monted roof: the hexagonal tower of the (iver
 reign of Henry Vlli, at whel limene Tran wa-








 hat the impurtan purt vine, for which Same wat





 half of the thith contury it wis a buminhite -vat of








 well all vi－itod lyon，whieh was the hirthplace of
 and the mandene of the phosician sir Willam Brombe and of In（harles bamer．lion（1sin）
 X．by E of Lum，is arenteme of the l＇mine of Whater，the homen，compleded in 1s－0，heing in the
 History of Leghet（2 whe，1sle）．

 with whiol it is connered les train and trammat．
 are many hanloom villas trelonging to hombon
 favture of ladien am chideras have manly for the 11 at and somth－of which $10,000,+100$ prair have hen promed in me rath．These ate alan lave tamertem hare．＇lhonixh fombed in 1639 ． Lamm lesante a city moly in 1 sion．A great fire here in seg dexmen promety worth s．000，000．


Lyiton and Lymmonth，two villuge of 大ortl
 Banstaple by rail（ 1890 ）， 17 E．of llfacombe，and

 They were＂disencrel in laso，and have sime beon
 in wotal aremt，electie：light，nime lunds，Ar． Shelley atased at Lymmonth in 1 sire：：and houthes called it the thent－mot，exept（＂intra amb Ana
 Jation（1くら）12l：；（1ヶ90）23m．

Lymx，atenn of Felide haning a lexe elongated fomi than matny othere of that fanily，the bents chated at the hamehes，fonge im，a homt tait， and the ears tipled with duf－ir femeils of hairs．


Thes ate low comagen wan wher Pelitar of similar sian，amb proy on mall qumburat and hirels．It has ben said that they hill and devome tho shank．In paratit of lims lare chank treas．









 －igh．It is lumay in wintor for its for，which is alwas－in domand in the matront lat many of

 Americit and pohably aho many of them of the north of Emope imel of A sit，are the shine of the


 bather harem than the Emronam lama and more chansy in form．The laty lana（／．reffor）is fomat in more sonthon pats of Noth Amerion，looth in


 form wraduat into ome another they shand probs． ably le referrel to a single species．＇Thu hatic －Metces ate the Caracal and the Tilnet lanx．

Lyon Connt，the eourt in sootland which has
 and promence．It iopreniled over ly the Lyon King of amms．Ree llations．

Lyonterse．secemixwill．
Lyonnais．a fombry provine of france，was funmled on the W．Dy Auvergen and on the s．loy Languduc．Its teritory romeder bearly with the preant departments of lhome．Laire，liante－ Laire and I my－rle－Dhne．
Wyons（Fr．Letme），the secoms city of France， tands at the comithomet of the Lhme anil the Name，
 of Narseilles．The commencial and forlionable Inarters of the city lie on the long narrow tongne of land letween the rivers，and are conneded with the suharls begon liy more than twenty lridges． This eentral pait of licome comanis many natrow
 A whe to lighten it since 1852 hy the making of long atraight，wide streets，and the inpening up of squares． In thin district stand the musemm（ $\mathrm{lai} / \mathrm{T}$ ），with valuahb Limman antipuities，il lihary of 120,000 wols am lano llss，picture by the great masters， and other art eollections：the ehasd of sit Martin A＇Ainaty，the whest in Lymos．ining hack to the Wth ienturs；st Nizier Chmoh，at first the athedral，a dine betherentury Flamberam hailding， with the erypt in whels it lothime is said to have Whatiated ：the erimeful town house，hailt in 1646 and restored in 1702：the manom of ants and imbunt：the acadomy，with tive ficulan－w：the
 the whon in Framere thong the present lmalding dates mbly from lata ；ant the aremal．Fio the moth lia the whand of ha（＇wix lanow，whem the
 right ham，is the stemp，high onlumb of Fommieres， tha ambint forme letms of＇rajan，whor smmit （t10 foot）is now crowned hy thi shath of Notre
 mitarderorhing image of ont laty of Fomvicres that in bereved to have preareal the city fom the
 thonsamb of pilgims ammatly，whom oflerings
 Which is mamomutal ly a pilhad statur of the Virgin．As fert high，a view ram be hat of the dietant dign．On this elevaterl site toostimh the chared


 Xt the font of the hill an $\times$ the thane is the aredi－ ＂pievpal catheqhal of St ．Nohn，of the lish and
 Wimdows of the same late and a celohated cheok of 1．sse ：the padace of the ardhinhop，wha maks a－primate oif Frame：：and the lan comers．On
 ham to be protecte．with anhanhmente（＂）prownt
 hambume new sulmot of las Dionteana，hrmin－
ated on the merth by the park of the Tate dor, in which are an oriental mustum, a poological collection, amd a the bomical eramen: while more to the wnoth is the somalid sulfarly of lat fimillotiore.



 arts, a municipal lihary of $66,(14 \%$ vorlo, a natural histury and other mun-unts, and a sill combitionimer homse. The city is a fortress of the tirst rank, beines defomblod his a domble riner of forts. Pols.
 4Bs, $1 \%$. The staple imlustry in the silk: it is computed that there are in all, within the city and

 liaw -ilk is importol. jrincipally fom China (2x per cent.), danan ? 24 per cent.), Italy and the Levant. arm lratmer, to the ammal value of
 to the saally value of $f!9, \bar{s}(0,961$ : the annual prombetion reaches in walne $\pm 43,020,0$ m . The communtitios - pecially characteristic of the Wans manafinthre beal to he heary fismed stufls, such
 and $x$ forth: lint of late vear, owiner to a change in tante or fahion, there has been a growing demand for lishter stuthe tlyed in the piece. Silkdreins and printing trive employment to nearly foro workmen; 2. 2,000 more are enmaged in the varimu chemical industries (dyes, stareh, candles, -oaj), machinery-makinge establishments, founclijes, braw-work- fancy-ware manufactories, woll and silver ymol- hat.s. japer, mathematical instrmments, and numeron minor branches. The admirable powit ion of Lyons makw it a preat emporimu of trale between central and sonthern Eurore. Beaides importur silk raw and expurting it manufactured, ehietly w dimat Britain and the Enited States, cotton i- immorted from America and Enypt, ant a hare amomnt of lmsiness done in cloth and limen, chestmats, conal, eharcoal, cheese, amt wine ant spirito. The list of monthe persons born in lyons melules liarmanicu- and the fimman emperors Clamlius, Marcus Aumlins, amb Caracalla, Inles Faver, Robanl, say, suchet, the De Jussipus, Ampror. Jemanier, Lonnet, Delomme, Deissonier, athl limpluarl.

Thye Romans settled at colony here in 43 [3. C. ant mate it the atarting funt for their wreat metwork of hionways thromerh fithl. It som leeame the ecelpastical metmondin of that mreat powince and its firat commarrial amd mambiaturiner town, moler the natme of Lugunam. [Bnt i] forthate attenden] it : it wat humeal to the wromml in is A.b., and aybin in 19: : it sutlered severely dmbing the

 ghory: in 47x it wan made rapital of the formundian

 a frew impurial bu'n. But after theremolemation
 in 102.
 down to tho aralit of Frombl. Tho liefommation, "htorine fron dinnevat, haul a hort but sialent
 how : th the inda-trial properity of the town from








 memoralats for thale rint-, whioh sometimes, as in




 1Nal sin, the toporranical account hy . Tomme (1sais),


LyPe onfe uf the ohdort fermas of stringed instru-
 time dmang the loth dymaty, amb was common anmor the $\begin{gathered}\text { areek evan in the leroic times. Dow }\end{gathered}$ of the harbarian- who invand the lionath empare were arpmanted with tho lore, amd mont have imiependently attained the kinowledge of it. The common tireek lyre wis male of it tomtniop ohell, with bow $\begin{gathered}\text { me } \\ \text { inde, similar to those used in a }\end{gathered}$ vialin, to monlify the strain of the stlinge. The thell was cosered with holl:s hilte, and two homs were fatmed to one side of it, uno hom at each "xtremity of the sibe. $I$ jien of wood
 tip, of one horn to the tip of the other. Sesen stringe of gut were tied th the erompiece the ather ends heinis seented at the bottom at the shell. lerse for the strings were added to the cros-piece by the later Gimokx. likewiee a lubide to prevent the strings tomelimer the shell, and two somm-hales cut in the shell in orler to insrave its remonance. The lyre, unlike the late. cannot he stolyed by the fingers and its abombe therelor multiphied. Its sounds can be no more in mumber than its strings. Consequentls, since the rise of the mondern scale, the lye, whon string were never more than seren or eirght in monlier, las been mabhe to colle with the rrowing exigencies of an intricate masic, and has fillen into conmilete desuetude.
 of lints, of which the hest-kmown suecies ( $1 /$. superba) is a native of New sontl Wales, where it is generally called the Ityre l'heasant. The proper phace of this gema- has leen moch disputed hy wnitholorista, thought it undoulitedly belonirto the Pansere-. I hird alont the size of a plea-amt, it frabuents the brash, or smarselywomed conntry, in the namettlend part-of New South Vilas. hat be. treate from ther mon* inhahited dietriets, brimer
 dithenlt ${ }^{10}$ : 1 . protarli. It in lis fiat the liarmong is ald senge hirls. atml pomsersers lha powarai imitating thas somur of othor hime intil tho. -rmimla aj ulher animal- imitatimir

 tail uit the mata in vory ranarhalad.






of which hav a sate only on one sitle, and two exterior feathere curved like the sibes of an ancient lyre. Tise lyre-hird makes a domod met. A seomel speris ( $M$. allucti), alon . Dutralian, has heren maned in homor of l'riuce Althert. The lye-shaperl feathers of its tail are comparavely short and destitute of harm.
Lyric. the mane wiven to a eertain sumes of fuetry be eate orisually acempanial ly the musin if the lyre. It io raphil jumement, in belitting the expresion of the minh in ite enotional and impasimed moments, and maturally it- principal themes are lowe ferotion, patriotion, irienthip. and the lavelanation pirit. It wasa favorite form anmser the ancont firmhe amb limans, and here it may he emonal to mention the namo of sueh master a Sapho, limbar, Tyrtans, simmides, of
 and if 'atnllu- and horaer. The mest important form of the monlom lyric is the somets. with its religions si-ter, the hymen bither of which, as we might expect, wemb wailly to any great nomber of line berie petry obsumbly comerns it aelf with the thonght and emotion of the writer's own hind, abl is the sulfortire as phlwed to the epic, for exauple, which in exsentially ulyettice in charater; while from hegimuing to end it should pepres but one incilfent, ituation, or fram of emotion. Dlowern English literatnre is remarkally rich in petry in lyric forms, although it wonle he diflientt to bring ligether any three of
 and lleine. As admirable exanples of devotional Frice may be mamen Miltom's Christmas Ohe,
 dies, and one thonsad hymus of ereater or less peti value: of lowesmis, the materpieces of llerrick and other Carmine lyrists, and of Parns, the hert dozen of wher and tame sately lirat in their moler, is woll as, in later tinme, the mmatemen atterane in Temurson's Mond of the love-pasion in it-wift presea from hope to despair : of loyal, and latriotic, and marial lyries, the hoyalint, and

 Batter of the Battic, Bmos's 'souts what hae, bymis 'The of Grecer, and Temusonis 'Charse of the Lirht Brigate' and 'The Lat Fight of the



 in France near the lithe town oin L-woms, in that
 castem himetion. jumine the selheld at filent in b, loinm aftor ab coure of $1: 30$ mile.
Dsablulere a famms Spartan warior and mas chamander, of extramblime omery and military skill, hat not lows memarkahle fur the cunting, sewores and ambition lay which he wa-



 decion of werthoming tho - Athonian power, in orter to Malt that of sparta. Il: duftatemb the" Ahmian then at the promotery of Notimm: annl.










hays after. The how to Ahens was trememons. Everwhere her colonial garrions lad to surpor fer. amb Surtan influence predominaterl. Fimally, in tot s.c., be took Ithens itself. Ilis pumbarity bany luatme so great, erperially in the eities of Asia Minor, that the spatan ephens ohmated the comsequeners. eprecially as they hnow how anthitions he was. Every means wa taken to thwart his designs, until fimally it womblay apor the had reobleal to attenipt the werlimon of the Spartan constitutim: hat this seheme was prerented hy lio leath at the battle of labiartu- in the bontian war (39.5 bec.). Ilis Life was writen by I'lntarel and be Comelins Neprs.

Lysias. the first Greek orater who attames perfection in his own line, was the sun of C"phalns, Who, foremone thongh he was-he eane from Syracuse-succeatol in making his houre ome of the centres of intellectual life in Athens. Lavias himelf was lurn in Athens, pobably alunt 432 B.C. (the date is rery mocertainl, was educated along with rhildren of the hest Ithenian families, amb at fiften vears of the joined the colony planted ly Athens at Thumi, where his early manhorel was spent. The failure of the Athpmiain expelition agamst sicily mate it alvisalile for Lariax, like other friemb of Athens, to beave Thimrii, and in 42 len returmed to Athens and rontimued his whetorical stulies, not fir profroional purgeses, for he and his bother londe. mathos were wealthy, hat from droice. The clome proven in tha event a wime one. for the Thirty Trants, in $40 \pm$ bic., stripped the hothers of all their wealth, killed Polemarhos, and only failed to kill hesias hetanse he fled to Dryara. The first practical use to whinh 1 wian gut his eloguence was, on the fall of the Tliity (403), to arme his hothers death lo posecuting Bratosthene the tyrant on whom the prineipal ropminhility for the lewal murder of polenarehus rated. He then practived, until hiv heath at the are of eishty, with singular sucepses a writer of ynedecher formons pugaged in litigation. . Lecordinge to lionsins of Halicarmanoms, hempored Q 33 such ywerhe, and muly faikel in two intances th secure a favourable verict. From an ramination of the thirt four surving spetches, we can see that 1 ara-is at all time and in all matters
 and expurion: le barely indulyes in a metaplur, le is allow- divect, and nses simple, cmmmplace lambage for his simple naratise and eommonanme argments. Rint though simple hi matrative iv newer monotonos: it is lively, fraceful, and rnteltaming. Amother quality, which hoth rentributed to his practial meces: and help 10 place his :pechas ammest the mont entertaning of Greek literature, i - his pown of phatacter dawing.
The first dition is Ihlus ( 1.15 ) ; the the eidion of the text, 'leuhmers: a chool dition, Cobet': (Amst. 1a(i3). Selectime, with lierman notes hy Frohbriger and
 Attisehe lier tavithetit.
Byte. Hmes Prancls, hym-writhe, lwn at









Lythath, a wating plame of Lamarhire on


Lythracere, it natural miler nf exusemms

 of Boo rpecies．chiefly nativer of the tropies but a fow are fomblin Enrope amt in North Amertial A－tingent qualitis are areribed to sume of the Sucti－s．The order is well repermed in britain ly the well－known lanmatriba（Luthem selirerie）．
 and streans ：and in mot mondons，in some parts． of the comatry inparting chatader to the landeen lay it hral mane ai jurple thesers．The llema
 a plant of thi a mar．＇The fobse of amothe

 The leaves of I Immomiu matedtorio．an Eant lahian ayuatic plant．are bery armb．and aro smetime：

 hish．finmi－he the valuahm rumwort（the Imerican tulijwond）of commerce．
Lytteltoll．Cenate．Luri，，om of Sir Thoma－ Latelon of llasley in Worcentersire，wa hom in 1509，and educated at Eton and Christ Chureh， Wionl．11，enteral parliament in 1730，where he －mon acyuired eminente as a peaker，helld sereral high pulitieal attices，wa－raised to the perage in
 once a combilerahle rejutation an anthor，and hi－puetry samed him a phace in Johmon＇s Litras of the Ponts．Hi－hast－known pose works are ofoser．
 Proul（154），Dinluynes of the Domp（1760），aml


 － died three day after a motumal warniner ly a dove and a white laty（Chambers＇s Dool of Deys， vol．ii．1．Ges）．The Pocmes big＂Fomm Vortamen （150）may furtly at leat have been hiv，bnt the Letters of thic late Lorl Latteltun（2vols．1780－S2） were prolnhly ly Combe（＇Ir syntax）．A
 ‘In mins．

## Lytiletom．sir Timmas．see Littleton．

 phayright，…ayist，peet，and pulitician，wa－ form at 31 loaket streat，Lomdon，om e－th May 190．He wa－the third and yomeres and of
 balling in Somolk，ha bliabeth barbara Letton （1：－3－1443），the haire－of knelworth in Hertfons．

 to rhymine abl went to shool at nine，thonest not，it may be mandils，to a ponblic one but tosix










 hand，and in the noth of Findam，hat frampe




 hi－mathor，lie matrial．It wat at luot bulatios

 in lath thay mpated．But hin mariane dial thin
for him：it mallod forth a manchome literary activits，fur the temparary etransement from hi mother then him ahmet wholly an his own

 －ont of hiv well－stered portholin，liv trmine hain，

 whe politiond panphlat，whe plas，the whon of

 phbshed，and all the esays and taldo moldect in

 the Vere drouthly（of whis he beeame entitur in 1831），the E．ceminer，de His Wertherian Fill． lomb，publinhed anonymomely in 1 sez，save little pomise of the hrilliant－ncoros，luoth at home amb
 of whose damp hero is atill delightful．Su two realems antee on the relative merit of his lumk－，hint imbed this very divergency uf miniom as 10 which is really him mastopiece only illontrater his amaziny versatility．Cortainly Prifme is hetter than Pent
 highwayman，as Euyon Acmo（ 1832 ）is of the mur－ derer ：liut mont will rank it in inferin to the expuin－ itely fancifnl P＇ilurims of the Ilthe（ 1 sint ）or to whe or another of his four shendil histonieal movels
 The Lenst of the Iherens（1543），and hlowh（las3）． Then，there is his dmentid tribug，The Coztoms （15：50），My Nam（1sis），and What uth he do with it．＇（180），Steme－fike，yet stranger metrme－ like，surparsing Thackeray for leasants aml Dickens for wemthen，and huth in howledge of the womb
 Story（ 186 L ），and，shorter hont stronser than cither，
 zine，1559）．Xo，Engli－l stomy of the supmatiral comes near to this，and why：－hecranse he wrote here an a believer．is a serimis stulent of atrolns， chirmoney，ocenlt lore anemally．These lowis are trimplas in the art of tietion in its most widely diflering divisume，and taken topether． di－play an mexampel range of powers．lere the reater lime at moe sast kmwhere rich nhgerfiven wedded to profundity of thomelt，
 social prohlems，heath of siew，wit in ticlup meanare than hamomr，there ther with an mon－lal
 of pot－construction．
Of has phas it mont sufliee to say that the Latel
 （1840）all three of wherhowl armothing 10 hint－







In 14：31，at the ige of thenty－exght，has hat






小 ath，th the Kuchworth olate，and a－ntural tha



 himpon！him foms himine in a debater．Int ha

 amd imalisal his brief tenure of ollice hy callinis into "Nintena the two vast colomes of bitish
 to the peratate an laron lattom. 1lo diad at
 Wentminstur Ahber.

Land Lytton's works in all exeed sixty ame fill more than 110 vohmes. 'To those alreally montiondid may be




 15:0), K'mim chillin!ly (15:3), The I'orisions ( $1: 74$ ).
 Lathow, oml Lift men Renmens of Lord Lanton (vols. i. ii.
 suphlemented by the pulitical Momoir, also by the Wan of Lytton, pretixed to the spechess of Lom Lenttou (2 rols. 1.7. 1 .
 diplomatiot, amd statesman. was hmon in Hemt mad
 cated at liomow and at Bomm. In lst9 le weont (o) Wanhingtom ac an attache amp private sometary
 - ${ }^{2}$ quently her was apminter attache, wermary of logation, commal or rhorefe duffioins at Fborence
 hurg aml Comstantinule (Isis), Vienma (185?),
 Athems (186t), Lishom (IStiot, Matrid (JNis), Vicmat again (1860), and laric (15:3). In that lant sear he succeeded his father an waraml lamd Lyttom, and in 1574 hecame minister at Lishon, in Sisti liceroy of larlia, at the same time reveiving the tiame Cross of the bath. The chief ivants of his viecoralty were the problamation of the (!uren as limpres of India at the graml Ibellif dirbia on



 ho lame Salishmy as ambassalor to l'aris, and thore lee died etih Nowember lstg. Ilis works,

 prom: The $11^{*}$ mudrer ( 1 sis) ): Lutwile (1560), a novel in verse: Sordshi fusme (1stil), translations from the survian: The liong of smasis (1seb), a




 Inthlan Falwards apmeared in ls 90.

thor thirteentlo botter in our alphant, i- nltimately derived fomm the biemelyphic pinture of an owl. In the rapital letter II tha. two peaks are the lineal descembants of the two ears of tho bird. retaminer letwern them a not intpot representation of the leak, the first of the vertiond troke rorreamodimer to the hreast (ero

 are two whom correspmbing to the ears. When tho symlmil was taken wer lay the lhoniofans from the Eerputian hiomtio the zirears in the form by Wrae sipponed to remomble ripples, amblyence the letter receivel the mane mem, 'the waters', and this namu in the treek alphabet hecame mu, owine probably to asmonare with the name of the following letter ath. Gur miunseule $m$ is rescended from the whl lomman emrsive, thromerl the lrist semiunciat ant the Cambine minnsenle.
'The sonmd of $w$ is sefined as a lalial of the nasal elaw: that is, if the vomal ormans are placed in the boation for promounciur the liabial $b$, and the lireath is allowed to prave into the nose, the sonme pros.

 or in unmber, from the latin "mmerus. Sometimes $m$ lopomes $/$, as in moeble from memmer. So also we lind the two masks, $m$ and $n$, interelanging according on the mature of the contigoms comsoniants. Thus $n$ elange to $m$ liefore a dahial, as in inforator for inprotom, while $m$ manges to $n$ before ent urals and dentals, as in eromore and com-
 reivertionmen, and romet from computher.

Matretrus. WAMETES, is the promame of J.









## 


Mall. "the iatrise milwite, whodminers men of






Mabillon. Ia:










1/ Achery in the preparation of his vant hiotuliat collection, the suieilegimem: undertomk an enlition of



 lommotien aplearel at laris in l6st. Othor worts




see Pumat, Tie de Jeven Melillon (17019): (hasin de
 de Sinit-Mow: (1\&43): Jadart, Mom Jeten Mibillon


Dabinowiont. See llysaest, anil Whes.
 molnshire, 13 milns ly rail (lssis) $\mathbf{C E}$. of Lonth, with hard and extensibesmols to which thmatmos wi the working-edases of leteerteshims, Nottingtamshire, Inrlyshire, Yurk-hire amb Lamashire are earried every summor ly cheap day-xamaton



 eame secretary to the mininter (amonal "encin, his macle. lint hefon" many years had gasad that thar

 He entertained a great abniration for the ancinots, trpecially for the institntims of flata, and rom--tantly illustrated his wathom hys the ant- and lises of summ, lhocion, lyemerns, amb rata. In thix dejarthent his chief hioks were Eutucterns do
 Fromeois ( 1740 ), in which the latter came ufl wromb

 rantains sesure stricture win llame, loblertoon,

























one that tow wftell temded fowath mannetions. am! to the intronluetion of comempuras ! !netraits and hetails inturelighons pietnres Dfer hivatam
 "rap, and died at the last named plater ont lat Wetnher lise His later works "mbates daree


 chiblren of King ("hiatian II, of bemmark (atmont

 Lake paintiner the Nithomma, " "lorist in Agomy,
 was a praintakimer worlinatn. Searly all his pieturw hase rich arehituetmal hackgramik, lat the linume atre still and stomy : the colomes ate hright, sometimes randy.
 frequenty in semtiol nomese as Macdnalal. II Comman, ame the like, memines "amo' It eorrepmonds to the sum in name of Tentomic orisin, as Wividkon: the frit: in Nomman mames, as Fitz burburt : the Irish ( 1 , as in W(ommell; and the
 wheare l'riehart.

Mitradian, Jums Lotmos, inventor of the system of load-making linown as 'machlanisins, the man of James Diwe Shan of Waterhend of Itemph,
 1756. ILu went to New York in 17:0, entered his


 to malar exprements in the romatratim of ronts, whill lecame a passion with him, and in gainins



 now sumbt in all directions, and his methorls fommerl the shlopet wi a sebet cmmatite of the
 for : 'hottomines' ho workel on the top: thereme
 a chelth uf from is to 10 inches, and when shaten




 amd alpointed Surveroromeral of Motrobultan








 the lefer palli-lied in Isthi) ami hiv wite. It



 altor it fommation, thar misam ladel within the




 Comial of thines, ont the woot sible of the entary of




of lliang-nang, and is defembed by furts huilt on the high remme overloming the town. The ishonds (oblosame atme l'ajpa also helong to the rettlement, whose total areat is $4 \frac{1}{2}$ ng. m. and furf. chase unan 70,000 , of whom les than suno are lomtughese, the rest beinor mostly fhane. The pincipal phbli, lmildings are the rathedral and chmolies. Nitean is me of the healthices purts in Chim, thomoth thw heat is exemsive dming the somth-went monsom. The grater bat of the revemme of the setthoment is derived frm lionsed
 misoin from the ("hinese anthontios to wotle in Macan in lis\%. The thinere, however, until lss 6 exacterl from then an ammal grommi-rent, amb retainal jurindiction wer that own jeople. The anchorage of the port is refective : large vessels 'amot ajpmach nearer than six miles. Since the rise of Hongekong the commeres of Diacoo has suthered meverely : Shortly after it was derlared a free prote (lsi5) it hecame the healymater of
 hat in conseguence of fonfin] ahnses the brition and the ('himse comstramed the Portupuene gownment to alulish the tratie in $18: 3$ (see Cuobiles). The trate of llacao the mame of which was for long a symmym for starnation and elecay) slownd,
 trallo, manly in the lames of Chinere and J'arsees, had in lsso a value of foges, 0 at, the chief itan bution latha opimm: other imports are kemone (fumerly from Anerira, now larmely from batmom), piece gomas, farm, aml provisuns. The expmots, valuch at $t^{\prime}, 16,76$ in $18 s 9$, comprive tea, oils, silk, and rice. The export of tea from latao to Dondon alome was 2, $200,000 \mathrm{ll}$. British morchants lane a shate of the export trate, lant mot the lortusuese. Jatean is the suat of a bishog and the luealybarters of fromeh missions in china, A erotto is shown here in which cammens (o.v.) is tratitionally heliemal to have written his $J$, esciud dariner his hathahmant.

 braive or crush'), a peculiar mambature of wheat whirl for a lmer time was conlinell to laily, :mble
 all aror ltaly amb at Marseillon amb other placo in the suth of Franoe. Strietly spobking: the mane
 of jiju", varying in dianotor from an ordinary ynill In to thone now nade. of the diametar of an incle;
 lime thendlikn vermoedli, amh the intinite vaidety
 tha" malme af Italime purates, are und for sums. whly erotain himls of wheat are appliable 10 this mandewturs, and these ate the haml sorto which
 in tirst errome into at comed monal, from whitel the
 a lamel with wator; and for mataronit amd vor




 tims, and is expurted ta all juta of the worlat.
 homourats purtry, in which, alomis with Latin,







 （isit），of wity and wacelem benediotime has ben erromemsly resated an the jurenter of mac． aronic pretry ：fint he was the firt to emphe the
 honer atirie perm，in whel hatin and halian ane mingle⿻日土 1 predectoon ui hi－hy hali a century


 Midilute（ 1683 ），aserihed to Mrammond of latw． thomlen，lat rather lay anome pamphoter．
 the Veat－knosn Brimh example．Fortmataly matarmic forers hat mot leen sery extanduly
 in the literature of ahmot all Eurorean eommice．







Macaroon（from the same root an Maearmi）． a kind of hinnit mate with the meal of sweet almonh－insteal of wheaten or ather flome．

Macarthey，（imatif Machitiey，E．frl，m afminixtrater and iliphonatiot，was hum of scottisla decent at Lisimmine．near Belfast．Ireliml，on Hth May 173：On leaving Trinity Coblere，Dub－ lin，he entered（ 1509 ）the laner Tomple，Lontom． Ae envorextraordinary to linsia，he conchaled （1：65）a commercial treaty：from $1: 69$ to $1: 22$ he was rhief serertary of Ireland；and from $1-5$ to 1－：！he wa－rovernor of（iremada，in the Weat Indies，hat was emplefleet，after an lonouralile dejence．to wise ul the ivland to comnt I＇Estainer， and wa－hinceli carried pindmer of war to France， though he amom contrivel hiv exchanse．The East India Company in December 1－90 apponted him sovernor of Malran，and six years later promoted him to he envernor－genemal hut his weak state of healtly ofirpal him to decline the homour． 11 e had already hat mme experience as member of hoth the Engli－h aml the lrish parliamento，amb had lieen rafed from a knitht（created in 1764） to a haron in Ireland（1－：＂）．I dued with an oflow named Smart，whom he had expelled thr arvice in India．hrmotht him a were womb hortly after his retum hom from Imblia．The lirt cliph－ matie mis－ion to＇hina from lireat Britain wav
 10！：hefore hi－raturn home he was mate an
 ＂mbidential miwion to ltale（ $1790-96$ ），he wemt

 him to return home in Xonemher Bos．Threw Seats later he wat ofler．al a phate in the Ahdington


 S．．．Life．pretived to（Sir）J．Batrow－aditiom oi









 athe were miniture of the flard of somband． Two of them－Masamay wramifather，Joba Maranlay，who dient minimer of citrilrow，and Krometh，anthor of athery of kildit rame
into contat and colli－inn with sambel dohnom，

 father of the futhe hivtuian and jubliciatn．had
 ill lamaica．lat in the later rean of hi－lifo win but kmon a－an eneratia، ：ant single heanomi member uf the＇＇laphan chat of philanthopion of which Wilherfore wa－the arknomlo．deal haml．
 the dimgher of a bristol buahor，and the puril and friend of Ilamah More．Macanlay was the
 hio father＇s buther in－law．Jlin ealiest ran whe
 ho showed that inaitiable thiret fin knowleden． that promigim truacity of memong and that talent fur phatemaking，which wem sulmedumaty to be the deljeht and the rass of his erntem－

 oif the－lattie of＇hevint in initation of kir Walter scott．llis parent－while nothe maths of uncommonsenime in their som．and encomations him in esery way，never thatered him or bataded him hefor bithers a prodics．Thus he grew ul， a simgle child delighting in，bat unconsecion of his facnly．＇playful as a kitten．＂and devoted to his brothers and siont．In sule he was sent tua

 leridge．Thege．and at A－pemben Hall in hemfuri－ shire，to which Dr Preatom remowel in Wla he remained till hi－time eame to to chllese．Ile studied harl and read onnisomorly ；the tarto for novel and limht literature emenally which her now aeguired and never lost，lumatit him more than one reluke fom his fathor．

In Uctolur lals Macaulay went into resi－
 detested mathematios and eannt le aid to have distingui－hed himself as a sthdent．Let he thice won the＇loneclhors metal for English seme and ohtained a prize for Latin declamation．In $\mathbf{\text { Lal }}$ he caried off a Craven miversity echolarain； tow the deare of 1；．A．the following year ；and in bet was elatel to it Fellowship．Ile was nue of the mont hilliant dipmanta in the 1 nim lebating Sorciety，ami make the friend－hip，of the alla of his antempraries，including lraed，linaills， Charle Villiers，Nombtie，and above ell 6hame Austin．
In leog Jlacanlay waveralled th the har and jainel the Northem Cirain．Dint he hanl hu liking for him neminal promenom．and man wo
 literature had irvestable attrations fir him．In
 Ihameime along with［＇and aml othols of hiv



















amb pultion. But Matanlay first thonghta weme for hiv family. It was now in atraitamed eiremm

 slate wade to attemd to his hovimes. Marablay
 puriner his hoother and sistre hy has gen. Formmathely it was mow in creat domamel. Find nealy twenty vears he was ams oi the mos prolitio
 sight the bum fupmlar. Macambly was. however, - limatel boy politio. 'ertain of his antiches had attrated the attention of the chiofs of the $W$ Whig farty to which las lat attached himself. In lsan
 lame lamehnome with the porket lowonerh of Calne. 1he threw himand with his ushith intensity inta tha work af the tranat ai Commoms. and in his tirat armon math a - wered in favour of the hill for the remosal of dewioh di-abilitios. But it was in the
 bill that his ermat powers as an orator were in reality ligst manifented. While devotione himsalf to pralianent, "rivalling stanley in delvate ant? Hhane in the remblaty of hic attemance, he di-
 wi semetary, to the buarl of Compol. It the athre timm he wrote steably for the Edinbay,
 a comperationaliat in weiety as he hat atreaty aeynirel as a parkmentary dobater.

On the jatainer of the laform laill of 1832 , Matralay han exchanged Calne for Leeds. Mainly for rhe make of his family be accepted the otlice of howal alviser to the supreme comneil of lulia, with it :alary of $£(0,0)$ a year attached to it. Acompmond loy lis favomite sister llamah, whon
 hu salier for ('alentta (lay Madmas), Fiob. J.i, Is34. In India he worked a- larid as he lian done in lingtath. Dbobles dimeharing lis datios as member of the Suprome combeil, he acted as dariman of two emmattorn-the rommittee of Public Instruction. and the "ommittee apminted to prepare a lemal Conte ant a comle of 'riminal loreerlare In the furmor capacity le drew up an elaborate minnte, in which $\mathrm{l}_{1}{ }^{2}$ shacessinlly comselled the teachinis of European litprature and seienoe to the natires ni India. To Macanlay also munt hes aniunted the lion - -hate ni the wreat work perfommed in ronnerelim with the hatian Penal Core, of which Sir dames fitajmes stophen has saill: it is (1) the Fremelt come lemal, and $I$ maty ald the
 is to a kothh. It is farr impler and letter ex.


 of the briti-h papulation of ('alouta, ming in the artibe part he towk in hringine abont a juidiatal redmm hmown a- the blaek Jet. whiel witholyw


 int huli,t hat real mommondy, amd wente for tho


 hi-ultinial -alatry.









phrely cisic patriotion meremed a more mirited poretie remberime than in this volump. It apmared in lsto. and won ath inmmense pophlatity. Naxt
 valnmes. Whale his burty wat in ofposition, lie Ifelivered a nomber of wedphty serehes in the llase of Common on suhfors whith interested him. by onse of there he compertat sir Robert lend, and indeed the majority of the Homse, to his views of copright: in another lie leclated. ' If all the inatitutions of the civilined worth, the Vistahlisfod chureh of lielame serpus to me the most
 howioe ceased in intis: he tank now commencet hiv Mistor:! af Emelront firom the deresision of Stmes $/ 1$. When Nir liohert I'eel's administrathon fell in $1 \times+6$. Wacanday towk the ohlew of lathasterwneral of the Furees, and was reelected trimmphantly for Edinhmoh. I valicty of ciremmstances, howeser, of which probably the mphort he hat riven in parlianent th the Maynooth (irame, was the chief-led to his defat at the wenerat election of the followings yar.

Dacamby regarded thiv Nofat as a sigmal for his retirement into private life. In ls, 2 he was manin returned for Edinhmot without any exer. thun on his own part: hat he mate few speches aftor his reapmarance in partinment, amb gave himseli up almest entirely to his Mistory. "The firet two volnmes ajpreared in lsts, amd at whe attained a Ereater amount of popmanity than hat ever hefore fathen to the bot of a pmely historical work (see Lasamas). Next fear he was elected Lomi liector of the miversity of (anarow. He had a revere illness in ]sio, and from this he nerer completely recorered. In lsas5 the thind aml fonth rolumes of his great work were given to the puhlic. and were as rorlially received an their problecesors. The following year he retiral from the requesentation of Eidinhmrgh. In Lsifi, ahor, he left the bachetor phombers loe hatl ocemped for difteen vears in the Albiny, and took
 kensington, where he lived till his ileatlo. In 185 he was ratised to the peerage mater the tithe of Bamm Macanlay of lionhley. In the same yar he waw elected a foreign ancociate of the French Acalens of Moral and lenlitical Somome Amongr orher honoms which came to him in his bast yeara, am? whinh he especially prized. Was: his momination to the J'rassim (breer of Merit, and his clection to
 bridge. While working stoblily at his Mistory,
 Frifommar artioles om Atterbms, limsan, lioht. smith, Sammel dohn-on, amd William l'itt. 'Thongh fons-iom that the ailmont from whith ha suthered wableres uf the heart, complicated with anthmat Wonld prowe fatal, he took al kerot atn interest as lufore in the wall-hange of hin relatives atat in the formmes of hiv combtro. The emet came on the
 wi-hal to di.e-withom pain, witsont any formal






 loft hulimilhin wan pmlinherl in lutit.



 arama, of allowing prosotal di-liks amd paty has
 tom math at the mote matrrial sime of life. IV a
thamer he in deficient in hadace, relume inwat
 moch light and far tom little state: lie mon inferequitly wonfond the famin: hary of his own worl- with the mareh ni event- ; the splen-

 almos sinks inti inonlent brutality. It must he admitted abse that he wa- tow declamatmy to ho aceorded a plate in the iront rank either if juetor of historitas. But an a namator of ments he hav nor rival, and hardly even a seemet he is had ity itelf. The intelletthal selidity and enersy of Sacanlay, the hrealdi amd ratioty of his knowletwe, the ferome and disnity of his patriotinomthese remain monalhed lay posthmon- riticism. And in his nephen: biographe he stamb revealed at the most allectinate and unselthon of relatives. loval in his friminhips. pureminded as a child,
 man, of mon of letters, cath the mation be more whole-hartedly prom than of Jacanlay.
The authoritative work on the life of Lord Macaulay is the Lefe and Leter's-a must adnirable hiograf hy-liy his nethew, sir George Otto Trevelran, the first elition of which was publinhed in 1sion. A Life of his father by Fisomutes kintefurd arpeared in 1:00. Wf the hinumeralle estinutes of Macaulay which have appeared since his death. Cutter Morison': Minograph in the - Fuglish Men of Letters' series (1802), an essay by
 elaburate s'uly hy M. Taine (Hisenmoi Endish Liture2ure. yol. ii. Ihili) may be mentioned.

Minctw. Sie Pathat.
 at paln of the same tribe as the encoa-mut, a native of the West Indies and of the warm partof Smerical. It is called Dhecome in Giuiana and .Incraherm in limazi. It is from 20 to 30 feet hich. with pinatm leave from 60 to lis feet lons. The iruit yiells an on of a yellow collour, of the com-si-tence of hatur, with a sweetish tante, and an oflour of violet-, noel in the mative regins of the tree as an manlient in pianinl aflections of the
 it is motime onld a Prelme oil, to be wed in the matuficeture of tailet-naym.

Mateleth. herenitary motmer or midr of Moray. married diruonh, eramidanother of kemmeth mat Dubh, king of Whan. In Mot" he lew luman, king of sortia. near El in, and =ncenderl him on the throne thoush to Thortion, the Sorwerian earl of Wrany, ha lad to rioh the revion north and vat of the 'loys, am! 'ombinia and Luthian

 in the chanifless as a the of plents. He grinto... land- to the Cuhtow of Lomberen • with the utmont venoman amb levation; and, alone of sootti-l



 Ban uf Konthmbia, len an ame intu sentand
 Na-fonsht netr some: and it wan mot till thro. your later that Matochm. makiny at fowl inh.












Matpel, Mammer The fomber of the Nacmathan

 the tamily of high pricotol. wate the lime ollon mande
 mation :und creed ly Autinhan Ijphama. If.
 Astmonacioi). It the beximinis of the tomble ha hat retired, together with his five - on-, Jochaman, Simon, Jehmah( Daklahi), Eleana, and Inmathan, (1) Monlin, a smath place hetween homsalemani Anpha, to mom in solitude wer the deathation of the holy city and the devecration of the Timple. Bat the srians fursued him thither. Ite huins a person of importance, pulles, a syim aptain, (ndeayoured to indnce him. hy temping pomis. to relinqui-h his fath. and to embrave 1 he 1 imek religim. He answered hy shang with his own hame the first renesate. Jew wha appowed the altar of idolatry. This rave the sion for a anden outhreak. His oons, together with a hadful of faithful men. rove againt the natomat foe dentroved all tracer of heathen worship, and Hed intu the wihlemes of Julah. Their mumber nom increased: and not long after, they were albe to make descent into the aijacent sillaro and cities. Where they riremacised the children, and reatored everwhere the ancient relinion of Jehnsal. It the death of Wattathias ( 166 b.e.), which towk place a few years atter, dmba Makhahi Ma-161 b.e. terok the command of the parriots, amb
 forer, at Mizpah. Tiethom, amb other phaces, rewnquered fermalem, puritiod the Trophe and rin-
 further emollated an alliance with the lomans,
 lrother donathan. who sureeded him in the leadership, renewed the homan alliance, amb talking adrantase of certain di-putw atomt the syrian thone, remdered yacant lay the death of Antionhan, actpired the hignity of hish priet. But Trybun,
 fearing his moluence, inviten him to l'tohmais. and had him there treacheron-1, execotoo. Simm, the -atond heother, was elected he the dew inh pommomWeath to aromme the reins of the natimal gasm. mont, and wa fomally rectuine d bith las benterins, Trymons antamint and lay the Lomame an- "chief and muter of the Jons. IIC completely romahbinat the intepentenos in tha
 was made the starting-jwint of a nos mat, The ahmo abolute jower in hi- hato ho naed with

 bit not loms (raven yearn) alter his arewion to




 Wattathias amb of the wen matyr chidhen


 -rhurer.





 li-la ans dowtrine.

 the livet amb the distribution of he dumatum

the In flomining poliey of Antioches Ephane

 fanila :and an acomit of the eflom- of the aged Mattiathia- to ronse the singit of active re-i-tanme anmong his emontromen ( $168 \mathrm{~B} . \mathrm{C}$. ). The reat of the bunk fialls into three main dividione, relatine rendectively to dulac (iii. 1 is. D2 ), Jmathan (ix.
 Ilattiatlisu, and complates with a bricf mention of
 to 'the ehmoides of hi prienthond (xvi. 1924 ). The work an we now promes it is the digeek tainslation of it Hehmer miginal, which was still extamt in Jeromes time. Cemoling to origen its llehrew
 prine of the lame which (rom lmilt ul '). The Clate of itw wional emponition camot have been mush (if at alif) carlier than lof b.e. (the hant vear of 11 yeamn , , nor later than 64 b.c., at which time the ditatim- of the Jews with the Lomane chamed -1 gratly for the wore. Ther anthor was planly a hehrowraking dew, well arpmainted with the
 witheserl or taken part in ame of the tranactions hor dempihes, hat at least comvered with thase whe ham, and burn at paim to make himelf acyualint od with the anthentic oral traditions regaringer them.
 them of a puldie ame oflicial character. lin -pite of sum inacemado and exagerations he in rutithel to high ratk an a sulher, bainstaking, and trasworthy historian. 'The date of the Cireck tramation fannot be determined, lont it was molathy male very som after the appeazance of the original. 1 Maceabers was tramslated ly Luther, whom seaks of it an almont on a level with the camomial
 thern.

Memothes grens with two letters (i. 1 ! and i. I( ii. 1s), purportine to be aldremed ly the Inwish anthatien in lemsalen to their hembern in ligylt, urging them to the regnar mondonce of the Firat of the benlivation. The reand and tonger of the two comtans moch lerembars and tahulem- mattor alont leremiah and Nehamiah, and on the internal evidence generally it reemcertain that hoth mont beremed as opmions. The reformer in the letters to the was of liberation lauls the author of the lumk to sumak oi Judas Marabarus, and to impondere himelf at the cpitomator of the live lamks of dawon of ('vane on this theme. Who Jamin of cyrenc was, or at what date he lived, in mot kamen: lue wote in lireek, at mome distanee, buth in phace ami in time it would sum, from the ewont he
 anchainterl with 1 Maceabees. Mhe date of hix
 with wotanty is that it must have hed pror to
 ons intanes the tatements of 2 , Maceahorn ion mot
 and the result of ritical examination is in evers


 toniral hetaif; he writes manly with a didactio

 -hawn natim.

1bwhe the abow chaparatively well-known







Which was mirambonsly defeated through the pravers of simon the ling-priest, and the frustration of his vindictive selume (a) destroy all his Jewinh subjecte, whom loe hat comed to be sathered tose har in the cirens at Alexambria. "The natrative i- in may pats ancom-ly fablons, and at every point in without hinturiad combimation.
f Mincolves, as its orisinal title. ' Wh the Sovercjonty of heason' implies, in a livemonse on the sampegnty of pions reason ower the pas-
 illustrations from the time of the Macerthes (iii. 19) avii. 23 ). Tha secom and later protion may mosilly latue heen hased an the work of , lasm of 'yrmin' (ree abme): the work ats a whole is of a homtatory chavacter, and the shergention has hown made that it was originally a syagune semom. (If the author nothing is known except that he was a innere dew, well real in Greek phikemply, and epecially in that of the Stoice.

A lith luok of Dlacealues, in Arabice, is printed in the Pari- ind Lombon pirlyghots. If gives a -mmary of Jewinh history from lso ric. to the Clone of the regn of Herod the (ireat, hat has mos imlepempat value.

The lesent edition of the text of the four books of Maceabees is that of Fritzeche (Libri A/nercuthi literis Tastumonte (ivery, 1sil), and the lest commentary that of Grimm in the E.fyctisches Itendurrh (I Mace. 1sas: $\because \&$ Mace. $155 \pi$ ). English trambations are given in

Matcalubat, a small mud woma, lise feet in height. itnate Cl © miles N . of (iirgenti in Nicily. The sides are stmhled with numerons small cones, which usually emit heilroen, and occosiomally mud and stmes, iften senting them to a ereat height.

Mactarlhy, bexis Fentexce, an Irinh jwet,
 known the one of the gomer pineto of that fanmes newabaper, the Xation, fommed hy Charles Dulty in $1 s 42$, and his rollected Dindlids, Promes, and, Lagres alnared in 1san. His Rell kimmer,
 :mil 'the - l'illar 'lowers of hetianl.' guichty surtied lis fante wer the lame is well as to lifhment lnewn the seat Shetler's tamsations from (allerom attrarted him to spanish, ind in isis he pablinhed sis of cablermos dramas tambited in the metren of the original, and further instalments
 pratives of Tiलhnor amd Longfellow, aml in lisi a medial from the loyal Acatemy of Sham. In 18.2
 ila whe for the Xome centmary. Fion some years Madewthy sultored from lacart diswime, and he
 collected edition of his jucom alperved in last.
Hיarolly, drats, a hilliant jommalist and movit. berin in Cork, e2l Nosember 1030. He
 Liverpoul, it lsin, amb in simo entered the wherter sallery of the llomse of commone for tha Maming star, beoming it: furwign editor the following antuma and ehief editur the" years later.
 there yars to an munatly complete tour of the 'ritiol States, in which lie vinited ass many as thirts fise of the thirtsement states. Som atter hi- ramm ha lac:ane commeterl with the Deity Fires hat he has aloo comtributed amone uther


 wat leaker of the tuain wine of tha lrifl lome-
 of Mr lamill (a.v.) till hati, whon heremal the









 somel (18:0): Prokditary Lomblution in the 1 niterl

 fientr the Aeression of phectr Victurin (4 vols.


 the anthor is momejuriced and is unespectedly sume wh lrivh drestions, which he exponmes rather thath dienomes. His literary eritieisus are not alway hapls. Latleg work are Tha Efunh of


 "allon 'the beorge Whitelied of Seotlame. was born at Ellinhal"wh on 2l-t May lsbe, elucated at the Harh solmol amb miversity of his native town, and licensed as assi-tant preacher in harber and
 hownery, llamber: he was elected ministor of the now churill of st leters there in lasit, and l:hunurat in the sane parish until his death, on
 an whe wif a mionon of fomm ministers nent ont her the "hurch of seothand to inquire into the condition uf the lews, amb on his return phblished, in comjunetion with A. A. Bomar. Seroutime of "
 on the rery eve of the Disruption: hat he lived he wombl revainly lave thrown in his lot with the paty of his formor tutors, br lhalmers and In
 man of saintly piets. and a most exemplary parish mini-ter, Jotheyne wrote hymms and pulblisled ermons, huth of com-inforate merit. see his Liomins (Leflers, Dombors, se.), with a Memoir
 Hin Complet, llon\%s appeared at New York in ? bols. in l勺t。.

## Mitcoliiavelli. see M.sellavelal.

Meclellati. (ifntife lisinton, an Americith

 Jitekain and others in 1546 , and arved with the enyinners through the Mexican war, where repreated gatlantry in welion wained him a captains bruet.

 and Washimeton, whi in 1555 was one of three Aumplonn oflicers sent to abserve the campation in

 lorak of tha civil war in lsbl. In April lie wa
 Wily anajorerneral in the Cnited State . ams.













hern demived of tha command-in chirf. His junin



 seven days battles (.lnue e. to duly l) ats lac din
 mew relievol of his commamal ; lat altar tho disan
 which was followed by a Condederath invarion of Marylamb, he reorganised the army an $W$ ashington, matehed rapilly month, met the fores of liondral Lee at Antietam (!.. ), ame compelled him to recruse the lotomace. Thin short eamatipu wat Merlellam: most hilliant achiovemont, Bnt he
 rapidly as lie shonlat. He followed the tomperlaratom into Virginia, hut with ton ereat dililnembion fay the tasto ai the impatient abimet amp in Nowem
 bare his share in the war ablod. In latit he
 "llused Lincula for the presibriney (see jo 640). He
 elected novernor of New .hnas. He died at
 lan was the idol of his soldiers, aml hesurved their lose by his care for them: but his cantion in the tholn was excesive, and he was slow in proparines fred plans or in meeting unexperted combinations.

 (tur" Stury, edited by W'. ('. Prime (1ssb).

Wileclesfeld. an ancisnt municipal homongh and important mannacturing town in the Dateres. liehl prothonentary divinion of C'heshire is situated on the river Ballin, and wn the wiotern declisity of a range of losy hills, li, milen sick. of Manclester ami 167 S $W^{\circ}$, of Lumbon. Amoner its lmiblinse are the dine oh chmel of st Xirlate. fumbled by Uneen Eleanor in 12Ts. the town-lall
 ETammar-sehool (l.5B), rehails in lsibi, and rear-
 Which abosmports a modern fice rehool. Nacelen. died has a publio patk of 16 acres ( 1 sie), pultic haths, a free library, a terhnieal monol, a whood
 behmos to the gast: amb the silk manfarture. estahlished in liobl, is now the shaple imhastio: cotton gonds and smallwares are mannfathed, amd there are dee-work- and lireweries. lathe vicinity (a)al, slata, and stome are ohtamed. Namelastialit, which proseses nine charters (the lime by lrinor Elward, Eanl of Chester, in 1:61), and which ra. mmed two members to pathament from lasis till





















 Fhmone in Prechin, and four years later cant in his lat with the Fer Church. In 1 sin he wan apminted porfesor of hogic and Dletaphysis in
 till kets, when he was called to the l'reminemery
 at wey simporinal tenure, Dr 3 Cosh resimen this ather in low in orter to devote the cloce of his life mure exelusively to philmophical prometion. In Aloblis first important wink was The Methent of

 Intuitions of the Minl inturtively incestigtted. Whan Xill jublished his Eremmetion of sir IV:
 of the munerons crities who hroke a lance for Sontiva philowphy and examined the exmmer.
 (1s66) is entithea a defence of fundamental wath."
 what he comsidere the Natural liealinu of Leis artinst hoth the pupirical sehoob and the setativitic view of kant, Haniltul, and Mansel: :mbl mantaned the ohder intuitimad view aramst the : Lrombiationista and evolutionists on the me hamd and the transemdentalists on the other. In 150.0 he pholished a usemb history of The shottish
 wohical tracts for the times, collected as levelistio Phitrosophy (2 whls. 1857), Psyrhology (18s6), an! First ant Fiemdumentel Truths (1ssi). The Religions. Aspet of brolution appeared in 1890.
M-Crice, De Thomas, a learned sentish his. thinandivine, was lom at Duns in November 17:2, stalio. at the miversity of Edinlmurgh, ami was orlatimed in 179.5 pator of an Antimpgher cunsergation in that city. Here he dien, ith Angast 1s:3.5. If rrie's works are in the hionent
 timal history. They exhilit research at once vant and minate, :und thongh ther are esentially apolo. getir, we their than is never conscomsly unfar, amil hes not misstate facts. He shows, however, shch ahnirablat skill in timbing palliation even for the leon Ilefonsible act- of the Refomers, and sa warm a zeal for l'resherianism, that the impartial Ilatlan demeribel his-pirit as Presheterian IVida.
 of the Covenanter in ohi Mortality in three tren-
 and most mupejnlied rearlers were compelled to anhmit that he haul the loet of the controvers.

 labking divinces person and preaching. IIichestknown works ane The Life of Joha liters (181:),
 sutifilutory Mistury of the Prompess cmel sumpression of the Reformution in Syatin (1sel). His works wom wollected in + vols, ( $18.5-56$ ), and a life was publichol in $1 \times 10$ ber his som, Thomas al crie,




 pantur, "an han ins davan in 1son. He ex-







 Combe, Deer fomen, late of skye, lact
 charn Citathe, Lach Awe, and Bothwell Ciatle, on the Clyite.
 sey of a seotith family on tith Ootohne 1ara,
 ant wngem to an artillery reximent. In lsil he was chplosed by ewemment in weological and

 atterwaris king of the dionians: and in the later years of his life he was prostroor of ('lemintiy amb (ieology in the Eaw lanlia Company's military whom at Ahdivembe. He dien at lemzane,
 an amputation rembed newomary ly a cambue atecitent. Ilis most impertant works are a /he-
 A Cionlogital Classificetion of Rocks, with Meseriptice siminses (1s21); A Systim of Cicoloun, with a Theory of the Eerth (1831); Anturier (182-7): :anl The Licmittent and Intermittent Discese's ( 2 vols. 1ses).
H-Culloch. Johs Ramsay, political ceomomist, was lomat Whithom. Wigtomblime Ist March 17so. At first a clerk in a lawyers oflice, he becane known in connection with the Srotwnun nowspaper (of whieh he was editor in 1sis-19) and the Edinburgh Rerier. He mate his shomt in the lievere in 1818, with an article on licarto's Principles of Politicel Economy, and for twenty years contributed almost all the ecomomieal artieles, with a few on other subjects. He lectured and taught in Lombon on fulitical economy ; in $1: 28$ was chosen professon of Political Eenomy in Lniversity College, London; in 1838 was appointed comptroller of II.II. Statimery Ollice, a situation whirl he hell till his death, lith Nusember 1864. His pincipal publieations comphise: The frimeipes of l'ulitiend Liconomy (1820): The Literature of Prolitinel Economy (1st5): On the Suctession to I'remerty remecut i,y Dethe (1848): (1n the liefle of
 new orl, 1s-a-80): Stetistimel Lcrount of the brit-
 Trealive on Trization and the Finating systom


 works. Al Cullodi was a Foreign Anowiate of the Institute of France: ant leel conferred on him a pention of teot a year.

H:ad'min. Hisms, composer, was lym in
 lowal teachers, in 1883 he wan a scholarslip at the hoyal College of Music Mis progres there was ar rapiel that in the following year he was athe to rnisn it. In 1 sis le was aqmintel at jumer pro.
 regarted as one of the mox promising iompmers ,if the day, hi- work having alrealy won high : Probatien. beginning with the werture ('itr

 ened the Flomed and The luncit ltios of liment: charal work, meludins The Laty of the Last Minstat: mone songs: and the opran otwie thons
 of Ary.ll). I'rawsome fertility in melody and a remaliahe matory of the orehorata, he is pro.
 works are instinety seotivh in ehararter.



 to Framer, home of the stoph to whel lima

Alardonalil alow helonged. He entered the amy in 1-st and, embraing the canse of the lipwhation, rapmally rome to light ramk: he distimsuinhed him-

 mabe governor of the Koman stater, amb, has ing routed the army of the king of Xaples at "tricoli. he completed the subjugation of that kinatom. In the following year he marehed to North latly, w chack the inroal of suwaroft, who, howerer, dofeated him after a thme dias bloody controst on the Trehbia. In lsom and lsol he commanden the army of reme in switerlimb and marehed acros the sulugen. lint in lang he lint the fitiour of Bonaparte by hin wpport of Morean. Four years later the emperor, hatel pressel, summoned har. donald to command the right wing of the amm of Italy. He tomk Laibath, ame distingmished himelf at Wasram, and wa- created manhat and Dake of 'ramato. He hell a comanam in Spain in 1 sio. and in the linsian catmpagn: anil in lal: he contributed to the succeses of Lathon and limatan, bit was uttery routed by Buchor at the Kitahach. Atter the battle of Leipzir the helpeal to cover the retreat of the French atms. In the submbent strusgles on Fromeh manm Machonah made desperate etlortto fare fle anemies of Xipobeon ; but. seeing that further resistaner was hopeless. he alvivel the emperar to ablicate. The Bombons mate him a prear, and sive him the command of a mili. tary divinim: bat he refused to serve durime the Hundred Hase From lslif he was Chanethor of the Lexion of Honour, and thok an active bart in the dineurions of the Chamber of Peers. Ife



Macalonald. Floris, "a mame, said Dr Johnson. that will he mentionm in history, and, if courage and difelity are virtues, mentioned with homonr.' Bonn in 1-2:2 at Milton in Soutl C'ist. she hot her fathor. a tack-man, at two ; and hes
 Huch Macelinialy of Mmatale. Flora staveil behinal in list with her only surviving brother, Ansins, and at thirteen was practically alopted hy Lady Clanranali, the wife of the chief of the dani. To this Flora owed her rentle uphringing, har three years" mombing at Edimhorsh. She hat not lons returnell to the Iebribsos when the rebellion
 after culomen, olse rombet Prime Chanles Elwarl, dixumed as • lintty larke, the hrintwoman, from Urmintule in benbecala to Monk. stait in ske, and thene he way of kimghargh to Portree. That she wan in love with the yonms hero" is abmolately false-- lue wats not eren a diamh ite; bat thene three short prolhas days embearel
 furing lave twolvemontlis aptivity on the trap*hip in Leith Rambs and at Londing. In 17.00-la, matried the son of Sacelomaly of kimehnagh, amd
 Whe domilow her at 'of midhe stathere, soit feat-





 with her somuger daughter, Lot her arm lumbin Juring the bevire in at fylt with a Fremeh priva
 by her lunband, and thers setheil aroin at kimes.
 houre, that she died on 5 th Mareh 1 Ban. Shrombed in a whot that hand wraped Prinee charles Edward, she was buried at Kilmuir, in a grave
now mathed ly an fona crome ( 1880 ) of Aberdern granite, Qst feet high.
The streathed Antobiomrap, wi F\% Macdonald (2 vols, $185^{3}$ ) is a silly forgery ; thit reference may be made to Floch Mactomith and irpinct Phates, by the liev. Alexander Machregor (1550 1 , and to Flora Muchonelt in Ulst, by W. Jully (188th).
 novelist, born at thontly, Ahembenshime in 1sel, educated at Aherdeen Unversity fand the then lowical enlloce of the Comerematimation at lligh.
 and athrwabla at Mancleoser, lout was eompelled hy the state of his lealth to gise uj proarhins. A shont resibence in Agiome gentared him th comprative vigon, and, rehrning to: Lombon, h. took tu literature as a profesonom. Ilis lirst beok.


 Kildomy, and athost as full of beanty ani power. A bong series of novels followed, indulins fharid






 (15:9): 1"hut's Mine's 1Hine (1-56): Lilith
 these nosels rontain pa-age of singular heath, amb are lightmed up hy line fancy and deacriptive power, but they are hidly constracted and dofertion in bamomy a works uf art. They peal the dee priritaal intincts of their author in his reaction aghinst C'alvinism, as well anthe neholasty of his mental athorphere and his inaliblity for sistainowl thought. The dialect is that of Whemeen and the northeatern commties, and somm- frehlife to the ear after the classie vismar of the lanenise of
 for the somur: Dealings with the Pieiries (1stig), Remeld' Bemurrmuts Rophome (1509), It the Leele of the South Hime (150), and The Preterss
 U'uswhen sermons (3 seried, Istiti-s!), and The

 lecturimer tumi in the luitel states. In 18.7 ho received a ('isil lint persion of toloo.
 Canulian shatesman, wos lorn in Classow, Ifth Janary 14.5, and with his patents conigratom tiow years later to cimadio. Ily was odncatom at Kingston, watled to the har in $1 \times 3 t$, and apmintol



 Warks sat for Vietoria, bitiol Cobmbia, amb for







 tution ":






 diaraminates againat the proflactions of abl other

Mmotrim．now ewn wecpting Great Pitain．Sir Thhn wat mamly intrumental in hrimging abme the confedmatimn of the Britinh Nimth dmemian provilues，and in serming the constrution of the Interentonial and lacilie railwas：and he wan ：
 Whe of the briti－l Commismenere for the rethenent




 dume and a lont of sir duhn was arectel in Went．


## Mitalalt．Six linff．


 ghikh，whith wat nued by knights and wartike
 mater of perlammen，the miversitios，and city
 has trawe（1）the leth amd lath eentures，when
 the hambert aramet the emblen attacks of the


 dixatuand after the execution of＇＇harles 1 ．The vemal wat the blaulle that（ramowill hat re－ nowed：it ha－hemolamed that at mate peremed on the masemat kinstum，lamaisa，is the same lhe serpantat arme at the elowe of the rewion hamb are the man to ：hn whial of the atom，
 Exy till the lomme monto ingita．In the congrese of the I Bitud suates the serpeant at arms has a silver mate．The Lom Marmes mane of silven gilt，and wodghes nealy a phatere of at handsed weight，faten frim 1735．
Matore the hil（4．v．）on imer comrins of the Nutmere（fo．It is a lacorated membram，
 ins to the randy．Thar are two varietios of

 phatity of mate．The mave is remomed from flat matming and drien in the sun ：fow days when
 hrown．It is thon rumbian with sea－mater to
 lat．in whath comblitu it is experter，whelly wom
 part of the imat，and yombloth fixal and cwen－
 highly fraspat，of hatery combiname and hrown mann．It is puwerinly stimolant，and in Imlia in




 Preans，Amatra，Mimatinc，and uther parto of
 of the Wiat hadia Flimile．The aril of ather



 ＂xtmet．is stather at the promen of its ervationt
 $\because$ fo＂limanaly and the listan on the s．，and nom Limes and Ityiat on the W．to Thatere on How E．The comatry in wh the what homatamom． ＂Werpally in the south athe wout，hat there are averal large mians of ereat fotility．The prime －ipal risers were the strmmon．Ixime，and latian

for its suld and sher minor，anl it－oil and wine． It contained a muntur of homrivinge cities，of which the manes are well known in anciph history，par－ thalarly Figa．（Edensit）and Pallia，the minitals，
 and Amphiplis．Perdieas I．（time goo nis．）is romod to have heen the lirst hinge amb framler of the Datedenian monarelos．In $4!6$ ns：amd
 take fart with the Persians in their insasims of tirece．lublar the wise and rigoms roign of
 and vivilisatim，Mamedomia ertaty incramed in propurity and perver．lat a prioil of civil wars and anarey then ensued，amb was moly tomin－ atem ly the acreviom of Philip II．（ian 1．e：．）， who．hathere seated himelf tirmly on the throme． develoned ther resoures of hif king dom，and laid the fommation of it funce sreatmes（soe
 tha theat，hrought half the then known word muler his sway：lat after his death the Mace． domian dmpire wat hoken ap．and，after twenty－twaras of incosant warfare was formen into four kinghome undere his pritmipal generats
 Gipese，foll th Antimter：som rasombler．but in the wars acainet the bants，the eivil stufes of the dremmbats of Alexamer＇s generals，and in the ambitions doxigns of l＇ymus．king of Epirns， Macedonia alume perishel as a kinglom．It was，

 ander＇s general Antismus，who had obtamed part of Aia Ninor．The hingatom presemed the limits wt it ly Antigonns down to its connurst ly the liomane in lis bse．Twenty live years later Hacenthia was maly a kanan pronine in whith Themaly and patt of llybia wew implable On the partition of the Roman wom，it was incom－ fomated in the castern empires．In the end of the Gith contary it wis settled by slamio rates．：mod onkequent？formed part of the kingithor of the
 Lomifter，Marghis of Momferrat），Thes salonieat （1204），the Sorvians（14th centary），amb linally the Turks，whos stll hold it．Thin frymbation of the what distridets are direphs，whilit in the interior －hristian bagarians greatly promolmate．
Watroio．a furt of bianil，flu capital of Hagat tate，lian on a peminsula that shats in The lasea now Nintt from the sea．Cotton and mathmery are mambitetured，and theme is
 ratways ran from lere int＂the interim．lop． 12．0110．
Macreatat．a wallest town of contral laty，

 cathedral，a heantiful tuwn－hall of the lath cem－ thy，：miverity，and manufaturo of andon and fottery：l＇口． 10,0 ， 63.
 of the mot prominent combers atmi writers on

 all the lowal danhemy uf Mase，at which inatita－
 wat alpminted lrineip：al of the lamoms，and also




 buing to revise the ohl langli－h max ic in motern





 Christmer（lvido），aml The Lembet the Jatie（la－5） He dial mot prolnee liv diral sitatorio．fohm the Buptist，mutil 157B：it hani fur sumeresoms，The
 （15：3）．Warfarmers work romprise momerom－ what small hromation fiomes an well as chamber musio，voral amb instrommat，amd seberal sim－ phonies amd wrormos．Ha wame histrer，how－ ever，as a witer on the theory of masic than as a eomposer．He wa－an emflusiastie alvorate of tho
 writer＂s Trealise on／／urmem！（1845），：athi for many years－tomb almose alone in him atrocary
 farren manfored little symbaly for such modern









 lila－sow，tht tewher 1／it，imd died in Jontreal，
 （＇imada hofone the American revolution，ensesed for－$n$ me time in the North－wes fur trate，and，suls－ setpurntly atelling in Montreal，hereame a shereme fin matrobut thate．He was for meny vears a
 younty a member of the leginlative and exechtive combeil．Il＂wit noted for phibanthore 110





 monntain－in Iralabl，in（omaty Ferry，rive fom the wenters hom of the lakes of Kibarmox，ami
 loftiont prak．mon omly at the lames hat in all










 yent he anteral the Imore＇Jumple and wate callarl Io the lrat in bsisl．If＂did asme writing atrl
















sestad 1 hat fombliner of the Lumbon shomblank






 fine sim．Its ramains were fonma in kratos （＇aはe＂n（q．v．）．

 and at papil of the celelratiol spholar，Marmellas

 ropresentatibe of the politiotl life of the impurant



 and the repmble was fromannal，and at new emo

 ature in pulalie life wan in the your of his fammon
 He was mated in dunt 1 fis en a mbordinato aceretaryshif in the separtment of all veri ti





 in lise．His immediate supenion in where wat Uatrolla Vinalio Alrinni，at colebrated hmmaniot，
 bated in Dachiavelli the enthanasm for the staly wi the abasies．It whent prowd，lawover，that Dachitbolli did mot know fiboks amberamot le



 nomad with whinh maty almon be mith to comban
 The ralmbatim：lmint of hix whatation an at diphomatist washis missim to the wrat matater of



















 arainat fordinn its：aール。






 Gowntall of his pattan，lla tiontaboniope sulorini．


Un being put to the torture, he disclaimed all
 pardoned, in virtae of the ammenty ordered ly lion X.. ht was obliged for sucmal years to withdraw from polblie life, duriner whid period be devated himself to literature. It was mot till the death uf tho yombis Laremzodre Jedici, in 1.519, that Jachiai-
 in 1 hat year hy len $X$. to draw mp his repurt on at retorm of the stato of Flamener: and in 1.821 and the followimes lar he wan ollarially raployal in varions diphmatie somion alll an historingrathere.

 forece of the Emintor ' hatas V... whon farormas




 Fhomere hombading army on its way whme. In



 Hathiavelli fomme that be wats to la allowed un




 which he died on the 20th Jume of the sames year.
 tration- wi the elmach, for, thongh he hatl written

 relingons doctrine. H10 was interred in hiv family"
 theremot is bos, the family lavime lecome extinct as warly ats 1 Bat.
 of his writinser, his matar herathe aftor his death hated, athel hi- tearhinge were sporno of a allumet


 pmblished in at mono ar leaso whlad form, the dirst









Atahiandlis writhos dill if whls. Ho (liloremere,



 IV, F'test Jome at Tilles. Diviens: a Lufi of















 at wath uf historicit leaming which it is dillient
to oremate. The The chapter, in which he details witl evident admiration the system of Citsar Bungia, and the lsth, in which lie discusses 'the dnty of princes as to the mblistion of keeping taith," are prerhaps thase which have most contribnow to draw ajon the athon the orlious repatation of which his very name has become the mumbl ; lut, in trath, these chapters are only more predice and more fomal than the rest, from their heapinis tunether statements which atre elsewhere imsimated or shyprexal. The hround sehmme of the book is everywhere the same-viz. Hatt for the -ataloliament amb mantaname of anthonity atl mathe may he lesorted to, athel that the worst imd mant treachernus acts of the mor, howevermanfal in themselves, are justilied by the wiekedness and trearliey of the worermed. sueh heinor the moral of
 of the whiter, and a favombe theory for a time prevaibal, that The I'rime was lout it sative upn almalution, iund was denigmed to seme the cathe uf liberty, wi which Janhiamelli was an arment friems, by maker arlitrary pomer olions and enntemptible. 'This theory, however, hesilles heing utterly irreomeilable with the tone of the work, is combletely dieproved by a letter of Machiavelli to lis friemi Vettori ( 1538 ), which wasdiscovered only in 1slls, athl which shows that The I'rince was written ly Minchiavelli in all reriousness, in oreter to recommemb himselif to the Dadici (for whose
 tion) as a master in the art of soremment. In his artom for the liberation of ltaly from the rule of foremern, Warliavelli had hecome eonvinced that strmber hative sovemments, even thmon alsolate, mol the embured ; and, having accepted that of the Nomieri for plorence, he was rantent to bee all mustus for for nemoly amb comonlitition, The Prome was publisherl, after Marhimellis death, at lonme, in laide ; and, if and dombthomble bentertained as to la serionsmes of the author, the look nesel only be compared with the commentary which ix faminhed lig every pitre of hix Lequainni, or the reports of his diphomatio mis-ions, whieh ate also rontamed in his collected works. of the many
 givell wo:sobn, the most remarkable is that of

 Was comblemand by lope ('lement Vlll.

Thor comolite of Xathiavelli form an porell in the histary "f the ltalian theatre, as he ami his great rontrongorary, dionto, were floe finat to represent atotal life and dialoge in thoir phys. Nachiat-
 hitime hammor and shameles indecery, is a masterرinco of drimbatic att.

Amoner the mang motel historians who bave disensed the wark and morahty of Machiavelli, we may note Macamays hrilliant esay, absl in the more homern stale of histural criticinn Lomblat limke's stwly in Zar Kitik momer Gisehinhtoderebles. The most com-





 morbanically lombed with lixed ammantition from





Nathate $\quad$ ghms maty be divided into two classes
thre mitrailmase which diselarges a stresm of bmblsts mot mowh exceeding linch in diameter, amd the revolving eannom or quick-fining Whieh throws an explosive sholl of several pounds
weight．The fist elass inelutes rifle ealibre inn－ for one araimst troop，and maval frm－firing steed slut eapable of phereiner the siles of at torperlo bate

 suited to all that comtingomeron a campaism，in comsequenee of the fomparatively delocate natmo of the meelatminn enn！





 A lan ma hattery wasused at the siege of Charleston in lvis，ind apms to contain the gem of sum inventims a－the （armber and Nomenfult machime gun－while thoar like the（tatling and the Ilotelo－ kins rewhinge eannon seem traceable to the early
 Weapons tat tue wad in tield operations wat the Gatling，which wa－te－ted in the Anmpican civil war，aml eshilitul in the l＇aris Exhiltion of 1867．Thiv weaturn（fis．1）mandly hata ton hatrels
 of a lanile or erank．In aldition to revaluins with the barrels，each lock is at the sathe tima
 tridge intar the barel，elose the breath，imm dime the chatere a－son an the larrel eomen monter the sights．It then rammences to move barkwidul． 1］rainir with it the empty cartriblu－ease，so that when ome revolntion of the larrel－is cmmplet＂， the open brepeli is bromght maler the from from whieh ia s．omm eartrilge falls into it．＇Thns，whom the ten－harioded fom is in action，there are alwits
 and fira other beiner iralnally extractal ；and thi－ grop on an longe at the orm is fell with cartrillew Which may lie don＊either hy haml，wo a－is more moinal．ly monas of a drom fixed ahove the barrela，a－dawn in tige 1．This tope of machine ginn cathot tive a vollers．but the rapility of its fire is limitmen only ly harement of the hande．


Fís．I．







 number，aul to rise







The Somtigny mitraillan－athotet］hy the


 evlinder．There are all loaded eimoltamemusy at the hearh ly means of a metal fratmo in whela
 indrperndenty or all at onme hy the artion of a Math－hanille．lielnatinn take live stombl． and wh divenarge can be tiven pro mimbe． The halleth hase no lataral opeani，and the etlioctive range is nol mand wer lam yalla

 outheak of war in that sear，were jonare to the
 invinution haviner bem ariven lo the men in work． ing than．Fommed intu baterime of ten pideces． they were expected to heal wit both artillery and infintry：hat the connemtratmi blatl firn of the


Fis：．－．
Sordenfelt－F＇almacrantz fiun mside liulwark Monntins．
 raphi monements of the latter wifter enablal them to ceapture the mitraillemee without mothom low． Thas balare ut this wearon hronght all machane Whas into hiviavour ：hat when pontorted from artillery bire in savire war fitue，their great vilue for rat tain jmpores． －Hedr aー Hitul． iner the ditelat－ uf fortremon． Nafombiner de． hlas．Brinisus， Ar．．．and Hatsal c！erationso，hat since been fally beromilurl，and wat manl im．



The Xinders． iolt l＇allurentita
 i－lati・ロール！
 form of thip＝ ＇lhe ！imm reti－ lope grant litily



Fig．3．Fise－inarrillad darther Gum
 －atatila of finare itir tho－illom


barrels，and the tiring hande on being monad for
 rapilly，in at sureession of vollers，if mowly，in a succasion of simghe shots．Tlar mombar of amma shath fert mimate tived at seal varife fromb ome hameleal with the l－inch to ten with the 3 inel witn．








The Mas Man anmatic machine gha las a single
 hetwera heing fillod with wator tor perent heating．
 （the tirs cartribere beine fed in and tired he hand），

 arecematerfotatom，and makiner the crank－landle
 state uf met．The wation of the crank－shatit E
 attachod to the rhain，amd therebs wimbe it up，su

 1 inch（dmo to the remil），hat further plongated ly



 the imether I＇，the wetion of the－prime is firat to perll
 and then to mowind the rhain from tha favee，thas rotating the rank－shaft batk into its original
 linen bell，to which frioh lengetho tan bu attuched，
 accelerator！motion of the irank shaw lawh the lock－nticiontly fo allow the wh catrintae to drop
 forwand quicker than the reasiong porion of the



 low arranered for liring xingle shots las hand om
 ans panairal intorval of timo．Ju many an tion









 rewhiner fonme acontral axis，lom then is only thn
 the rotatory motion of the harmes is intermittont











Fig．5－Mitte calibre Maxim Gun．
＇The projectibe is ejuher a steel slout tor maval pur－ funes or ati explosive well．As mamy as ejortity ramble frr mimite lave hean fired from the revolve－ inn cammon，the cartringes hoinu fod in from a
 uf it60 wame．
 marhine ghms was mate part of the war eatab． lishment of every brigale of infantry om cavaly in the liritial aimy．E＇ach infantry detachment emosists of an ollicer，two mon－commis－imend olferes， and nine men，and is acomuramied by a forage－cart and ammmation－cart carring biformanla for the

 are drivers and a servant．In tho wathy detablı． mant there are fiftern men，＂f whom two are morvants，seven drivers and six for working the

 ctrrisges．
＇The mitratheme form of mathime gim thes takes $\therefore$ drlinite phame in tha ammanmat of Enropron
 whiclo，if murotecteal hy cover，it can mever stimul， bont as an anviliary to infantry and to cavally acting indembulently，in pritions where rithetive
 rathan ville fire，and ferlitp！in lion of an infantry









##  <br> 


 A in 57－0，：und，after tishtime in the＇＇lomhish wat amd


 N：
 her was mathe to retain himbuld of the rits．A lint in the rity of Saplen，callom ly he heving combladiol ：m amistice with the limath，compellod





Fromoh athante along the line of the llles. Bint

 liv :umys. Dhe was triod by eomet-mirtial and eond flemmed to death, but tha sentence was rommater]
 twenty sam imprimomment. In lsos Natis was




Mathay. ("humes. Lh. D, wet and jomalia, the son of an oftion in the heval Wrillom, wat lown in Perth in Slat. He was sent th echool in Lombon and lisu-els, and howed an taty fomb
 to Cockerill (y.x.) at xamins. The pmhliation

 (15:3 4t. From ľit4-4 he wan elitor of the

 the post of Nex Vok comesponlent of the Times durime the civil war (1ati2-6i.5). The Iomelon levied, a weekly jommal which le ratablished in 1sgo. Was mot a suceen. Jown to the time of his





 having hecon moh, withont putting anything intu his preket. lle phlalined olewen valmes of






 aml Thwentl, tha Lomeg Pray ( 2 vels. 1ssi).

M-Kersport, a boroust oi lemmamia. on the Nomengrahelat Jiurre at the month of lae











 abll in the Jominien parliamont till 18:2: he was then eloctad ion $\mathbf{F a - 1}$ Vink, amd was re-edected in
 in protimment. ind in latit st wa- leatery of the















 Hi lambon. Ili- untw embrime ahmost every form


 thera, The Trombutum, lakel not ther sume surees. lliv oratoris. T\%, I'asi uf shomem. problacerl at Comich in lsit, is resalded at hitherter his best work. Anether similat whe. The Low of hift, wan






 a thorobsh mastery of all hatorbes of his art,


 ambtateman. Hephew to the Larl of keaforth. was hom at lomdme in lia3i. lle stmbled at st

 to the har at Elimbirg: aud in laisl buldy
 treasom. Ahont the same time lor was mate a ju-tiocelepute, and as such hat to repair once a

 of wituheraft. He was sonn after knirhterd, uthred
 1675 wa named kings mbonate. l for thim luint

 nam in the comentry. In the milat of hin fur
 thes and wan ume of the lima Sootelamen to write Engiobl with purity. 'Thall molle wit of coulland, bughen femm him. Inhappily in the f"omat mind he is better known is eriminal powerntor in the days of the peraecution. in which vaparity lie eamai the title of Phaly Nablowie: now ran it la dimposed, in spite sif his lilaral ante-
 alopution. In libse he fonmded the diluoates Libma (q.s.): at the Lavolutim, six rears after Ward. he retired to Oxforl. He diod in Lambon, sth Jay 16!1, aurl witn hmied at lilinlmogh in direfriar, Chomedrad.
los works, puldisbed betwen 1 bits and lisiti, and collected liy Rumbiman ( 2 who fulio, 1710,23 ), inchute Re-

 treatises on the law of sutland, and Jus liogiom. S".


 Wits lurn in Elinhuch, 260h Jumon 174.
 to the musersity, in linis went h! to lambust fo

 and in lvot comptrolle of taxes. Fim biwards of


 live, on Ithl lammary IsBl. Ilis Jotn of fictimet












recornition of limme, and as an eaty ahmirer of lasoing and of sehiller.




 finme of the otherials reabled in the partial destrma

 hat was expellend for libel on the S-atombly and
 fimally the gosermment winsell to inge the wit.

 them sevented the dismisal from where of the

 Tormutu, and in lsablystarted the 'omstitution, in
 :- ज口
 "on in his biper. hemded a hand of armed insur

 tion. This demand not having been wrimed, Nace hamide dotermined to armot the lientenant domernor anal rapture the military stores in Tomonto: hint heinet met by a shberior force at Donternmerys llill, \& miles from that city, the insurgents wore pat to tholit after a lorief kimmish in which several

 Niacrarar River, where he estahli-hed a provivional
 Treak up his camp, aml was afterwamik sentencerl la tho Inital states anthorition to twelve monthe impriannment in lanchenter jail. On the prombana-
 atd was : member of pathamant from lsian till
 pomed for have sine bmen aranted. He died in Turonta, 2sth dugat lstil. See thi life ly his cou-in-law, (larlew Linlay (2 vols. 1stog).

Mirekemzio IRiver. in North America, han it:-
 lahe in laritioh Colmabia. Hows ower fite miles to









 beat tributarise, the lisal amb the lowereand



















genms Somber, the mackprela proper, complives


 scombor) is formal an fiar wouth as the Cinary


 in the lattie. It in a very leantifnl finh of oldgant -panhe like shape. Its eoblour in a luatrona hark
 amd silner's laylow. 'The tail is moment-hapert,
 - mont is mather laner pointed. amil rmapresmed.


Comman Mackerel (nomber somuber).
The markered is manally from 14 to 16 inches lone

 appmaching the coant at certain seamon orither he-


 lanaly intuenced ly temprathor. Early in the
 Athantio towarl- the britiols cobat. In May amd Gune they are fomme ofl the sidly lalts, whence sbme : akner the Finoli-h Thannel. Thes are very com--tant in the rate at whioh they traind aming plaeir mis rations. The mosho of colptare varise witl lenal







 thomest the water. Hamoline tiohing maty be phomatudel at all homm of the lias and bisht, hat


 manhore is very highly eoteramed, lint it taints very rapily amd luac lavomy whell kipt. Wwing (1) The rapolity of elocompenition in lat watiler,
 man Fopel ware allowed in lata toln mold in landon










 the wars, where lare number of thene fivh way
 an tha shface. In shitalile ciromastances the foblur grow rapid!

Another vereiocthe Epansh ur 'oly Mackered

 forn Sowa Sentia to 'apr" Halloran, It attains a


 - a matll Jamkling (1, シ.).






 was made sowpmor of (Hzos, his mathe lavims one this heen illomiliod with the hish porertive tarill earred in the Dhekindey Bill of Jom, thongh :nlon



 uf helfe in silvw blulare, the represimn of monspolies, and was underatom to favmur labnor at the Expelme of capital. A large section of the 1 belom-

 . m m:ny print- (inchming lis protective timill),



 orohl -tamblat. and the interents of capital gemerall: Four the war with Spain, see Crial. In lomg lu


 mon at disouris in Invernes shim. Getolner 24


 his founer wifo hy writher for the men-papers. The hat work that bronght him into notioe wav lis
 Mretions wn the Frenmple lanotution. Fox, Shemban,
 llatintamo: and when the aswaciation of the
 athmintel serortary. lle was ealled to tha hato in lons, and erm lonir attamed lioh rminemo an a ©






















I callection of Markinfosh's misedlamerons whiks wa4



## 




I'danchlin, who comanamed at tronn of lome for

 Fouth, in whioh but was be turn pathos, collage
 vear in lintan amd liath, till his henge was worn


 lonk: Popue said of it. 'This is the dew that -halievrare strew. From this thme he was ate -omated ome of the lest actors, appearing with nuarly mbual sumens in tragedy of comedy, in patanom of homborery, for nearly half a contury. Il in last jer
 ho bonke down: lan he survived, with an annity of t:201, till 11 th . Inly 1797 . lle was trenuroms, highopiritul, and homontabla, hat somewhat iras
 wer a wis, :mal wan trid fom moreler: aml fre. ynently aftorwards he wat engaced in dipmote and antions at law. Jle woote a tridedy, and weral fatmes and commlies: of these Limer ri-lu- Mode
 frinted: in the latto his onn part was sir lerr

 l'arry (1s: 4 ).
 the C'hmed of foothoml, was lom at lrvine, in
 [aivemity, aml afterwarls at Levien, in Ilullaml and in $1-8.3$ wa ordainen minister of the jatish of Han bule. In lo6s lie was translated to dedharels, and thence to Elinhmoh in $1 /-2$, where hw dioul, 1:3th , lamuary 1 soo. Xacknight wan a nuperior wholar, a libual, wise, and pudent ecrleaiastio, and a respectabla writer on scripture subjects. Hiv juincipal works are Jimanmen of the Fow (riments (17.i6): The Truth of the ' (inimul History 17(33) : and I Neer Tromslution of the Apostolical

 wis lurn at Fiareham in llaminhire, llath Augnst
 was privately elucated at liathand Eseter, studied while at Eilinhmrgh I niversity, and in istis went




 llallom-the mall lat rowided slam where for filmoty reara lor did a meat work that lisom after








 trayll at ballachatiolt, bat lowt his way int the






 II... at (ilingow in 1713, and fomb geatrs liter

 lamlon, amb was almitted to the fional surjuty.



He atterwands visited Prance an then to Land Polwathis wn．amb while there wrote a disser－ tation on the frecus－ion of bulie，which gained the print of tha dandemy of simpon in 17：24： whige siteen year later he divided with Ender and lemomili it priar for an pessay on the llax atal rellux ai the seat The following vear lar wat allumatat．on the recommendation of Nawton scontant to bames（iregory，pormor of Mathe matio－in the minerity of blinhurgh，and sum after succeed an him in the chair．In the latmar if

 active a sham for his healdo，amd lide af dropes Jane 14．174．Marliurin＇s writhes gave a troth imperti＊to the thaty of mathmatical winere in
 in deteme of Vewtm：diemeries asainst the attiack of barkiley，wat the first work in which the primephe of thations were lowially arrane and formes a achtribution of the sreatest importane to the thery of the tiale and the ligure of the
 imemplete，as was alon the Amonat of Sir Isent
 ing replanation of all Xewton＇s discoveries，the optisal ones excepten．Mans pablers apmated in tho Jhilosw，hatel Trumsections．
 nate what are alw ealled turin moytuls，which are erystals mited acombing tame prome latw．yot not having their fares the axes batallel．wo as th remere the one a mere emonation of the wher． In some mand the axe are parallal ：in sme，they are indined at an angle．Cryathiation in maclen is wery chamemeriste of some minerale－－herle is alsio the name of the sarioty of dmbalusite （1．．．）mallod chiastolite，a－ilieato of slumina，em tainine a little manomia and axide af imm Hiclo hia hern much wed for making low to th

## 

 inal and－ngentive writur on fimitise givilia tion，wa－ham at lavemers．Ith Octobur log
 ista，and thon moneded to Trinity Colleme Cimbluge，which he heft in I8．3 to foin the seotti－h har in $15 . \pi$ ．but he ent shat the prace tice of his profeminn in his zeal for the stats of the usaze and wome of maty rivilivation．

 impurane of the matriathal theory oi marringe



 the new tithe of Shalios in A wiont Hivary in $15-\mathrm{i}$ ． Aldenman further dofemben his view is against










 inse and him liknral chri－tianity，the son of a pariva mininar，wan bum at Camplalown，Arghe





the important larony Church，Glasgow，from Inly 1851 till his death，lum $16,15,2$. Ha receiveil the derree of W．D．in Nos，and wio apponted one of the Queen＇s＇Chaphans in Sootand，the ？beter valung highty his sermons，smpathy， anil ：utvich．An utterance of his an the Siahath question in asion starthed his luethren and the pulife，and he was threatened witl presention： Int winer commalis prevaleal．In witg he was
 nated bean of the flapel lowal and＇haphain of

 （6in，and in India in 1867，on mission lmanese for the Clumel of Sembant．One of the most elopuent and 1 nwarinl addrenps he ever dplivered was that on mintons lefore the foneral Arembly，after his
 shinhuryh（hristion ．llugazim，for a rear the

 veres，armoms，most of whid were reminted in lenk－firm．Fill of healthe life ame limana sym－
 lively d－actition，amil mond－humome lis tales are lacking on the combuetive side．Ite promed at lare，simple，thillike natime，fill of tentemess， ant was hroad amb catholic in his sympathes．which hemm him to humaity at many point．Ite pmb－ lished The Earnest student（ 1 s．it ），Delwornh（ 1857 ）， Ineily Mrelitutions（ 1861 ），The（rold Threed（1861），
 IFre Mute（186t），Simple Truth（1s66）．Sicastuenel （1stil），Ah misisurosers of＂Ilighlemel forish（his Eramfathers parish of Morven，lstaf），The starling

 Lay Stahan（（butrmp， Bean stanley（Gione ll urik．心のゆ）．

Maclise，Duvat．，painter，the on of a ligh－


 in 1 s 人，，wom exhilated at tho Sealemy，and in 1833 mate himelf famons ly his＂All Itatlow Pue． Ili－lato pictures are nimy of them faniliar ly
 hoth aml－cerat fom＇Twolth Night＇（1840）， Play Sirene in llambet（1ste），and hiv dexign

 olliwe（15．3）．The fresenes－wath 4.5 feet long and 10 fer high－in the lowal ballery of the llonse of Lamb，depinting－Ther Macting of Wedtington and
 and＂The Inath of Nown at Trafagar，were abhnitued to lue the limet mural biatime hitherto
 then are curnent．The most notennthy pietnes whinitell ley Maclive，after the complation of these

 ＂Mandine atter l＇myer＇（1stio）．－King Cophetna

 wo，in whith seir le diod on it A Amil．The






 Nilly，near Antm，lath Jome kis．Entoring

 ing of＇motantime（18：3），commanted the




 decivive part he towk in thr hattle of that mator．
 likit．In phe Framo（immota war of isio il he hat command of the tirot army erome hat wat

 matuler of 1 ha ：athos of V＂eraillos，with whim hos



 pathies werre and fobtimust tu he，conservation．




















 taken wor hay the hother in the same veate ant Xh Sterernoni－dm－jhm thore was ategimed for








 tos ：he well heines of the monls of mem．Alexamper
 ＂गtuld Kniveraity in lvis，annl in the sante year
 Mocorzine tise atpuraml in kso，and now the cata－
 eminnont nampo of the has in all hopirtments of


## 

 Frame hepartment of sameet Laire，wh the right hank of the sume． 41 milen loy rail X．of hams．A








 （1ヶ！1）リッ，1！！


 six limes of rablway．It is tha－rat af Whorer









 antillad ther Mighlumere in lose，contuilmond almut
 in the followine yetr，having mot with＇lmper
 las homed them whe frasmemts of lifelic veres





 shopertind，hat the matiofirtory statements of Wandhoman alonut his wrinuals ambl the place


 runtent－was somethiner verv ditliment fimm these． ＇The rewalt of his hamors was the atperanace


 Épuir J＇am，in fieqht Fumks．I stam uf comtro－
 which can harally ret he sain to hatue entirely $-n b$ bidenl．altheme the general rombet is one mi－

 fheram that lie theatented fersomal violence to tho ald man，who replied with chametoristic tomr－ lesmest：＂Any violence olbred me I basll do my＂ beat to rejel；and what 1 camont do for myself， the baw laill fo for bue 1 forn I hatl never he deterved fram deterting what I think a weat bex



 in $177!1$ ngent to the Nalmo bi Alent a very lucia－
 as member for camelforid．sat for tom years，amd
 phrchased in lnvernm－hime and where he died






 Wather innt it sumall inaml in the sumtl l＇arilie：


















for the bar: but his fathery's manatrerial foronlations provinir maneressful, he was forced to ithopt the stage as his profession. He male his lirst apmearance at Birmingham on 7 ih lume 1 sio, playing lomme, and for six years rematmed in the provinces. On lbth september 1 sub he mate hiv Lemdon debut, playine Irestes (Jistrest D/ufler) at Cownt lament Jis rowntion hy the erities and public was friendly : lomt he wan for a long
 thetic pirts: one of the few excplimm lowing linh Liny, in which be made a aroat lit, and of whioh he vas the original ator in Lambom. Fom many
 Fommar, and ' 'hatus Kemble: but it was not till 1s:37 that her really tomh his pration as leaminor
 amsuratmb hia fanoms ('mont ladden management, luring whinh he did mome ernod servire to the



 werthy fashiam, and dis] much to mevate and reform the theatres. Far two seasoms he manaered finent lamenn, but alomptly gave it up; then. after two years interal, tom, Pury Lane, which
 After this time ho never settlond in dondon, lnt
 Jlin last visit tor the dnited Statem wan markorl hy the terrible riots whinh arose wat of the ill-feelinat


 was dired utom hes the military, ame sumb twaty
 1s.i] Jacready tomb hio famemb of tha stane at

 Shephane, buratohire, and at (holtenlam, where
 endeavorred torombine the dinnity of the kembles
 ramk, he was yet an actor of brat power, amd -pecially distmenthen himeelf in Macheth, Lear, laso, Kims difhn, (assins, and llomy iv. In
 he was allat greally sucrachfol.

 ant a momoir by Willian Archer ('tmancont Actor: serics, 1s90).
 grammatian what lominhed atunt the hreminning of
 a dimed, lat litemally mothing whatevor is known




















clans, de., are sometimes eaten, while some small


> Mactra.

Linitinh rpocies.e.er. M. subtrmmeth-ate said to The githered for feediner lites.

Mise Whirtar, Juns, artin, was born in ls:39

 mancoll his atiot lifo. Jlis early starlies of wild llowers at bamos allal ahoad bern alecterl lis Jinskin as examples for his OXforal mas. In antit


 mont smimired works is al ind of lomstantin-
 amomir lis mmaroms piatores may lue mentioned
 There (racon, amel 'the in the 1 ohla.

Widfagaserar. thet third largent indand in the
 fonn thase as large as linglamel and Wales. It is in



 Madasascar is set hat innerfertly exploment. The

 has leen a great lask of arourate homwhere as to

 Frond savant, II. Dimed firandidier, who, lwaren



 the rowntry : and the information thas ohtaineal was smbunlied in a large map of Dandagavear pre-







 Font in altitmale, and mon extomsive on the west and seluth, althomelt theq ate sery lofty monn-

 of lomany (fusixs and other raviallint) rocks.







 ninge down the rastemas side of the inland at mo reat

 probally ant andiat volanom, whose smmits are
 borjon of Vanlawancou in fortile amb well womled,
ryencially on the easorn side of the inlamb, thomerh a larse elistrite in the sontla is barren. 'The wotatern -ille appears to consint of sooblary stratid of the

 limes of monntain ruming morth amd sumb. Froms tha' sontherast to the north west ame north at probably almost eomimmom saties of extinet val. canite ematers has hern traterl. These ato vary nmmerons near lake ltasy ( 19 s . lat and it F
 milne farther antht. There are hot eprings in many parts uf the island. The chied rivers flow went imit north-west, and there are many fine loty a and harlmars on the north. went cobant. The largerel lake is the Alaotra in the Antwihanaka province, ame at remarkahle chain of latronm ontpods for almont :300 milas allong the east coast, whth of 'Tamatara, merdin:- smly aloont 29 miles of camal to commet them ill into a continmon, waterway.

Nll romal the islaml is a moarly manolion loult
 and mont larcely develonal in the motherast. 'J"ha Ehar of Dadagamour is, therefore, very rich ame

 whill have lately heengrantad to several Enropman rompanies. The dora in diviled by liev. Li. Jomm,
 wortern, the central rewion incluliner the elovites] interin flateans. Ammond the most chatateri-tic forms of veacetationare the 'lraveller's 'Tree ( Latore-




 specien and me-sixth of the ornera of the plants
 facts to the same eflect) that the indan is of very
 are now linowin in Nablatatocir. and theme is unt natural order, (olabatect, with twenty-four operete. contined to the indiml.
 tional and ancient fums of hife, combrime many
 consideriner its froximity to Xfrien, the conntry imatakedly delivent in the latreer carninoma amd in mumbate animals. It is - Jomatly the hame of the


 ablol that chief hahitat of the elanarlaons, amd erperially of those one its with curions promeses orn the lueal, almat half wí all the hnown -querios in


 promline tuit, matay oi them haing malike athy othov







 bat -mallor than that mow lisiner in lirmas.


 hater maneron- peinta wi combertion with thir






West and somth-abt coants. It is further helienold
 Vazimbin, who ilj!e:ar to hase hem driman ont of



 lluva, the mont advanmed, rivilinel. and intelligent


 migrant-atm therprest Walasan in wiong. Wher


 (nurthe east contral), aml siblaliva (alome the antire

 aplear to her clonely rommentol with each other in langase: lom, athomeh there ate many dialentio. dithereme the lansonis- of the whome eonntry is
 these of the Xalayan amb Melamonan islamls. The




Thar Malatasy not haviner had their lamonare reduced to a written form natil the eats part of the l!th "entury, have no ameme litmature : hat their

 news of thooir lamange, wive ample pmon of their
 are ver immoral iml antrathfol, amb ernel in wat bat thes are alon commaronos, allimomate, and limm in frienilship. Kimed to their chilhere and their itrad and rick relativer, mestient to the law and losial, very comrteons and polite, and mont hampitable.
 being. they practived (amb, asmept in the more enlishtemed plart of the central prowinces, still praters a kimd of fetichion, tomeror with divination, cminu- ormeala, and ancentor worships.

Tlie eapital. Antanamariva, iv situated centrally












 the interian:




















 extracted fome it. Eahl of exerpllemt phality hiv


 in lealo near smase of the extinct baleathons. There


 *kill anmong the forple. whar exorl in wowing, in -traw-worl, anl in ritpentry, ix well an in the



 Forini apmomaly dromito it moler the mame of
 d-ital he dial, momblamto at leant at thomatml year

 Sabla lave left indelible traces of their inflaemer





 Wa- onimg the nathe hy which Mablagascal wat



 to maintain militay fome on the ramt robst, bus withont any furmanent macers. Jint they still



 rarled on in ad dealtory fandion for ahomt two and


 with the risht to phane: liendent and uthere ulticern at the eapital, abll uther official at various perta

















 mals mominal in mome parts of the inland. (lat inc:







 risilinal lifo bint the aterenion of foren limat








 Fallio- mal to intrignes with the Frenth le was put to death in 1563 , :1md his wifo litanherina



 ha-bind, the prime-ministor, bhontitiad themselves with Christianty, which wat lueomitus an innort-

 the lmanine of the rosal idols in the following



 been formed. torechere with abome lino andmols. with


 abomat lo abont a tiflomesisth of the alowe while
 (1) the mbiten mis-inne of the Gombon Dissiomary suciety and the Frioms, the others lo the Nor-

 as well an lompitalo inn! di-pmonsaries bave been
 20, 2 mon mples ammally of varion pmblications. In 1s:a all the dfricati liwes in the omntry were




























H: Aldalo'ni. : a ity of ltaly. 1 i miles h rail



 foma 心.










 -hows a rate combination of profomal soholarohip


Found in the pates of the Amberonge and Coller funtre Topurgriphice.

Madder (Rubin) a wime ni flatho af the
 the tropical and warmer temaretate pare of loth
 peenty wor important for the colnomin mater of thetrents, "- medally for themer Tomberen. The"
 Madder ( $\%$. timetomats a matise ponahly of the - muth of Eureje a wellas of I-ia. It i-a peremnial. with weak stom- and whot of fone torsix ellintic or lanceolate glo-y leave, the stom ant leases rongh with marp prickles. mall premi-h pellow ilower, ambl lhach fruit Bumjeat, ur Indian Madder ( $1:$ : manjoste on comifolien). rable next to it in import.


 Alisurin (4.v.) the emmercial inmortance of

 into fritain (ralne $t+10.993$ ) : lont in 1845 (with munjert. Pratheine) only 14,204 ewt. (value


Madcirat, the lareest of andall gromporishand on the Xomh Atlantic Ucean, ofl ble north-west cost of dirim, from the nearet jwint of whicla it
 It lie- 1164 miles. of of the Likat, and ons mik
 muth, and -is of Liverpoul. The other inlomils ni the Eranp are Porto Santer ol milto to the NE.
 hum lixel for a time luene he tomenel at Funchab.


 i- land havine ome lwen well womblo was min.


 the armble is treatel in an intertal provine of bortugal, entithal to send reme-matives to the Gorte at Lixwn. It was ureuphed las Briti-h imbs in loul for a few month, int again from

 Whin raming eat ibll went, with hopl ravimo inetween the latemal rifues thoms offe the mont
 - legth of mure than 2 thu feet. The illambs are of



 werabinally serur. In the sontli the hrotheme
 arid : the math -ide is mome luximiant and fertile


 (if Funchal (4.t.) on the sumble mat. Whirh is little








 at Fomehal Hom: a mean tompatare of hat F .




monthe of the suar in moment. The areater

 lont there ate fen watly wey dith. The tem|wrate amb combant wamble of ite rlimate hat


 thond the mhinary donne tie animals. tonether with ralhits, rats, and mire, hasw hern intromedel ley the Jortazures, The fruit and gralls of Bimpur are chltivated on the lonar leves; the probluts include wheat, harlay, lulian com, thap


 amm, and of the marrallons mand of embor, pink. manes. and briek-hunt ind of the that of the Wland. There are letwen 3 :ne and 400 gencra of



Wime is the chicf exput, overal hime being probnem in the inhat. That hmwn in Europe as
 i- mate of a misture of himb and uhite prapes. The wines were neary extemmatem in 15 and - Heceding year h oillim. lint were com reflanted: and oidiun and the phalloxera bato -ince ineen kept in check lis -uhbur, :o that only one
 Gurareanes honght from Demedat and the 1 anary 1-lames are lomrishing.
The inhabitants are of mixed lorthenese, Honrishaml Neero bencent; they ate of vigrons
 simple in their halits. In lsi there were tove emigrat- chiefly to the brails. 1 great draw. hatch to vintore is the almene of ratis: the only six mile of macalamised matway beime that

 eamied on the lead be natisw, innd hammelis and shedres drawn hy hallock ate hatel for the tracks, Whife mall sedres ariot thather down the
 preserave and laman (atholicion is promihat. It Fundal there is the envernos falace, town-hall, opma-house, rathedral, Englith Moreh,









 \{!

 amb as imigation has buen intmanead with great

 chiolls with bibot lititain.




 hit it orimin in the conthome of the Manome



 Fiont its munth to it- lian fall the distance is

ly a series of mintore falls, rapids, and ceataractfor a listance of 230 mike, and it hat been profored to comstuct a malway to pan these, and ao provite an outlet ly the Amazons for the prombets
 wot Menteime (1573: Ens. trans. 1874).

Mathlava is an aprollation of the limin gend Vishmu (9. ©.). See sixbla.
 i.e. 'opinitual tember'), a llimen writer of the 14th century, famed for his mumoms and important work relating to the Vedic, philusequical, lecal, and wrammatical writinss of the ancient Hindus.

Madison, (1) the capital of Wisemsin, fommed in 1:336, is sithated on an indmas lotwen bake Nentota amb Dhmona, se miles W. of Nilwanke. at the jumetion of aseral railways. It contans the state capitnl, university (fomaled in 1849, and ofran
 facture of thor, farming implements, madimory

 sse of hadianapolis. It haw Homr-millo, hailer and "ugine works, stambat yards, amb manactorios of fumiture and leather, hesidus large jorkpackine cotablishments. Pop. (18s0) s9ts; (18!0) sa23.

Madison. Jomes, furth presilent of ther 1 nited states, was han at Port Comay. Vimsimia. March 16. 1751, wratuated it Princetion in 1.52. and stuliond law. In 1766 he wats a member of the Virginia ('mbentios, and took a useinl part in Jrawing up the state constitution. Hix life from this time was devterl to prition, amd he became one of the most eminent, theomplishot, amil respected of Anerican statesmen. has lion has clected to the comtinental comsrese, and in list to the legislathre of Virginia, in which he was eliefly instrmmental in secoring the recornition of thi risht to relimions linerty. lint at this perind anardy was threatming the young repuhie, wheds
 states. Cimmens wan a delihemative holy morely; its members represental states moly, and its fowe were pratimally contined to that of giving advice. Andisom was active in hringines almont the comven-
 There he acted with lay and llamilom, and with them wrote the folmolist. Il, was the wiof anthor of the "Vigimia plan,' which even went some way towads disregatring state rights. Inc
 which, whether in aldertioning tatation or reme


 sermetel the aloption of the comstiation by homb


 bromeht to ritity the constitution, aml that mols

 any man, puhate, th samer the: aloption of tho
 limit tha funcor of the central whermand to the

 herame al hader ai the liepmblican or Ahthermiath
 drat, Maling was mande sermetary of stath, which



 Amerisan comburte, and altimately hought in a

continuel for two yars, at an emmous cost of life and trearure. In 1 si , at the clame of his aremul term, Blativen metired to his sat at Xomember. Virginia, whre he died, Jme 2s, 1836. Nowest and renervel, contens :mbl himlly, he is a plasant ass well an an important ligure in American history. Ile was not a hilliant man, hat be was at stateciman of eminent ahility and purity of darac-
 (is) and (fisy ('American Statemen' series, 18nt).

## Malison Iniversity. Seq llammon, U.N.

 Madness. See lxanity.Manloce son of Gwen dwamedd, a Welsh

 rompellen, it is aid, ly cisil strife, to abmatom his native lanl, la sailol woswand in 1170 with a
 rached a comatry showe probertions and inhahit ants were , pitat inlike thase of Earopr. Dare he lived for a long time: then, retmong to Waldo. he gane :an acomat of the new land that he hat dis
 wan mever mons heard of. Thes story will lue fomm
 but se the asay lis Thomas sidphens witten in
 There is no fomulation for this Welal tratition: erpa if it were, the Northmen have a prier riaim to the dinconery of Americal for it is heromb fombthat Grombanland the New bingad stites were visited log thello at at maidn marliev period. ('athin in his Litfors om the Nioth Almiciot" Imbtous (1841)
 rate descended fom hathes Whamen and the
 as the sable of of me of his werallen npics.

Malonnta an Italian wod maning My lady,
 piminge romenting the Virsin, or the Virgin with the lafant christ. Legenil eredits st Lake with havins bainted the first Madoma, a pertrait put on tha mavas from life and with hatine eaved

 Vignin with the Sovinur in her ame herame the rempased symbols of the metherlox fath. Bhe the
 comailed tha deatration of many of these paty
 that survire ate these which hatse heron formen in the ratammas, acompany ing the tombor of the maty
 lite into the Weal amb amonar dosisus of the ligamtine artiste, and with him lespan that womerGilly prondurtive and hilliant parion of latian att the all hominant thente of which was the Madomat,













 the fender, refimed mystinion of the lombian: the stmptions loweliness of the Vemetian: the
 stampal will their matimality. . . the introme
 trat-like mature of the V'homish sehooks; and soom.'

The thlo Mabonna is mot wall with higid comsistence: it is also aphisel tor roporntations of the dinnmeintion. Xittivits, Dhatam of the Migi, Fight into Egyt, Ithy fromily and all the several smene and incidme in whilh the Virgin Mary mersmally tignom. She is often repesented tow in certain operitio chametere with




 Seven hoys and the saven sornes of the Viruin.
theside Mrs Janemots but, s.e. works he lidand de


 catacembloctures 1801).

Midran dity (athed hy the mativer chon. montm, $13^{\prime} \$ lat. athl so $11^{-}$E. lonc, and is the arpital of the problemer of the satre name. The town "xtoml alony the shore for a di-tame of !! milwa and cowers an area of about $2 \cdot$-o. in. Wriximally it com-joted of a momber of uparate villä-… Which are now united into a ingle muncipality, adminitered by a peshbut. two wire
 -inner, of whom twenty-font ate elected by the ratepabas amb eight nomimated by govermmont. The rowheal. in which till inte recently all han hat to lie. i- very moch expoed. and on the ayprowh if a corlone all verel- put wat to suat. A pine wavered in 1-99-62. 1 harlwar legem in 1 -i was serim-ly damaged in lsst, and the comethation of the hathour was heing carrime on in
 In sate for shipe tor remain in it hume a heas? torm. It ahaty, however, greatly farilitates the landing of carg during rongh weather, and


 in, evon in "omparatively ratm weather. In minary
 -hore and the wave i- of mogreat heipht: hat in -turmy wether thene are two line of suf, $\mathrm{th}_{\mathrm{a}}$.
 wase of ley to ffem high. The ordinary surf can he ramed with atiots be the native munculuh lubit-, which ate formed of plank anden torethow with -thare lim nobuat an live throngh the surf

 lay and hergming of lme when the couthowt
 the waty part of heremher, duning the preatene of

 an hot and moberately dry. The ammal rainfat



 varsing fenm if in beember and bamary to sher in dun. Durine the bot month the wom mature

 i. F. The highet temperathere rectuld in the



 whate the "limate is a haalthy wh.
In the home. milway lutwern the math :mul anth extemition of the town, i- lart at tomere. the arigital rettement. Thi- iont (lailt lian -till comtains the emmal phander, it bumber

 Whath rontaine bunt oi bla. hatimes ofliees athe at crobled mative. felmation : moll of it lion



 Thomgh Malra- camol cuntul. wizlo either lat







 inc- are rmberel specially staking the the



 Some data of the work done lig the unisority mas



 to collewen for the stuk if ato, budicine. and
 wi Art, a ! inlege of A siculture, a hanch of the
 taining, anmont wher things, very athahbe collertions of Indian rein- and of seriptared marbine fom the Bmplaist 'tupe at Ammati. Matras










 gixen waterway the them and -anth pabllel to the corast.

Madras Presidency. ond of the admini-trat


 the eatem enat amblat. If wh the wint wat to
























 -
area lying vat of it. Thr Xiburi llille on which at Ontarammal is 1 he smmmer seit of the somern mont, may bre lanker on as the jumetion of the

 in Salam, the Anamalatic in Coimbatome amb the
 Whei riwers are the (inlatari, the Kisthat, and the
 inathe promenta in a sulle eaverly dire tion to the biay of Rengal. Vow patence infation-work have lwen cartor ont in commetion with eath of then river, whin miner irisalim-works ars to be fome in almot all path of the presibmers Railway commanionton is being rapally extombed

 the ramory in 1 was lines. The ome panco in a

 mots with hre Myore lailuaty and tor Mettafollien. thes station for the Nilimis. The other
 Where it pomento with the dimat dodian leminamar laidway. At cimatakl it makes commedion with

 senth from lladras to Timmerlli, with hrancles to l'ondi-herrs, Negatam, and Tutionin: a line from Triehmomy emmerts it with the Marlase laid Way at Erome and another band fom Chengal bat amment it with the sime ratway at Aremm. There are gool mands in most parts of the presiA10n\%\%
The mimate difers greatly in diflement parts. In the (carmatie the thy semm lante from the midile of 1 hequmber till the rinl of Jmes. there twing often thre or fome monto withont any raim. From fane to bewher theme are haty shames and from (tober to the midder of Deember the morth mat monsuon lringe copions rain. Orer a great part of the east coant strij, the ammal ranfall excents 40 inchas: lat in some prato inland it doen not exerel 20 inches, and in many pats it falls below 30 inches. The mean amaal temperature is ahomt ses, and in many statims a maximmon temperature of apwark of $110^{\circ}$ is not uncommen. On the Mababar coint the rainfall is monh heavior, and rompes with the sultheren monsom. The
 lofty momatains, cool at they acpend, and fome down their surplas masture on the strip of hame hetwern the hills and the seat. Thas, the fall frem
 1:a inchas at homawar. Tho ammal ramfall at
 at the latter mion ere ineluss fell in lase. This atmmint mintall leads to at most lumainat vegetation in l'ravanome and on the weat roast. The
 there are ha weat extremes. The rlimate of the hill-utation in mot mike that of Enefand at it


 - that of the Eholish -ming amb smmer withom












 ar surcenfully coltivated over wide areas. The mambaturing induary is repmented by motom, -har, gmay hars, paper, ire: and tiles. Matras is hot rich in minerals; lat gahl is fomm in many pate, amid. thagh the mont prohetive mines at prepat worked lie in 3lyore, there is woml reason

 ate : 1 pparently the only amiferms strata in the previdence. ltom of expelfent gualits almumbs. and is worked liy the uatives: lat the want of med prevints any lage dowelopment of the irm in-

 folly putcened ly the state, and ate of great value, nomally the teak forests.
The firct Enelish xettlement was made at Manalipatam in lifil. In liag factomiro were cotablind on the weot cont at calicut and Tranganme. In tifl! a faptery was opmed alomersife of the butch one at linlicat, lat this was
 was transtured to Amasam, 40 miles moth of loulicat, and this was the first plate furtilied hy
 whamed al Madra- Cluistian mismone have mate more pherres in blatras than in any other part of latia. there loing oge Chtistians in every in, ono inhalitants; lower hama follows alosely

Madras Systell. See Delal (Axblew)
Madrepore, See Colidi.
Madrid. the eapital of sinain and seat of the Spaish gowrment, is sitnated in the department of the same name, in the ancient provine of New Cintile, on the loft bank of the hamanares, in
 iromblais. It is lonitt on a freeless, ill-watered phatan, sobio fert alove the soa-level, and wan rateal rapital ly the arhitary will of a sovewish. The Mamanares is meqely a mountaintoment falling into the Jamana, a tributary of the Tharns, weloss for fommmimation, and mot even ta lie dopented umon tu supply the city with watcre which is brombt from the linalimama Momiams hex an afluednet 42 miles in length. The sule recommendation of Matril as eapital is its central poition in the leminsula: it is maty c|nidistant from the Atlanti- and Dediterramean eoasts and from the Prenan frontier. Swept, durine the winter monthe, he the icy winds front the shm-eapped mometains on the north, and "xpered in sumber to a bmonine ma, it has a - limate which, though fry amb hight, shows "atreme variations of temperature ( 104 to $14^{\circ}$ ). The average of the einht wamor monthe (Mated
 maning ones $44^{\circ}$, lat the olithernee at the same time lutwren som :und shate is sombtimes an

 and the insanitary habit in it atians, the inarame uif Maulrid has of late beare heren raphe At the Inximines of the lath frotury fare pomlation wan

 fuenmer, of the inhathitath ate nativen of the city.
 milo in circomberner.

Thombly the latin am Arahic edrominders




 (!Bo), it was not linally compuered till the reign of
 latilian and Xozataly, appar- in a chather of


 the reval palace bow stando on the weat of the


 have asain smak inte olamoty lad it not bern at
 the Mors. and tomprary revinnce of the hins. "Iow were attateted he the falue shatered in ther
 detriment of the climate. The ato received itelirst whater in low. and the conte were tirat hald in




 and emmons. dohn II. and Henry IV. grated anditional priviluen to the city. lathel the catho lie acequired the dity atur a harp-arnge with the. burtians of ber risal lona dhana, and it mow lucame a phace of sume importanor owins to the more irmonent pe-eme of the comt. . Ifter the Ieath of the 'athulie kins. the resent, farlinal 'i-nems.
 hraced the puphar came in tine war of the fommnuro. it rewivet such pivilege from the Emperm

 a prion for Frani- I., kine of France. When in

 come sane the wreat molles. who lonilt palacen. and innumerahle fiars, whe eatablithed convent: neverthelo. till the midlle of the lith century tha city promed a mean appatance. and mot of the hime were only ome story himh, thue avoidme the obligation of lontons the numeron retime of the kines. Ihilip If. made sme improvements. - preciall! the laving gut of the park of the baen Letiro, amb in his time Madrid, thonsh still nopared. lithy, and romed ower at will hy the prisileged pig of st Anthons, was the seat of ont of the most billiant courts of Eurge. The greatent henefactor of the city win hing Charles Ill.. man of whose splatill works still exi-t. Wabrin tomk an active part in the rexolntion that wrested the buwr from Conloy, the l'rince of the Peace, and
 mate a gallant attempt to shake ofl the fureion sokr. Thond taken low the allial furce nuler the. chnnand of the Duke of Wellington in lshe, Natrin Wax not linally rin of the frombtill lals. The next year marked the whan if the lominn lins. Altwigh the seme of several of the rewhtionthat firm on lare a part of gani-h history during the lath wnturs, Malrid, atilall hy the sapperime ( N 36 b of the convents, the intontiotion of ratwas:

 inimurrathe amb puprity.













at nigh bex wathmen (womes) (or whom the ber








 the Catholic. The patmexathery Fumber hy




 Rian letion the fahomathe promemate on the "ant of the city. and the laca de lampo wh the wot. Dilway hetworn its extrmino the l'rato
 limet strep in the rits, athat a mile in bungth. and leadins fom ont-ite the time trimulad and rehailt he Charle III. th the Pomata dol sul, a hambame thomeh not wery later nump. with hrom pavemonta, and at thantain in the comtre. Thi-square is the hat of Madial: here comeroe the principal tramway lime whith hate an whaty ailfol the extmanom of the eity. and in it amb the
 "ipall shop ani flace of lomsines. The fimat - prate i: the llaza Manor formerly the arene

 "rbestrian statne of lhilip III.. it- fumin. : and was fomerly the centre of Mabid, hat is mow amewhat decayed as the city has moved farther Gantwarl. Whthe west of the eity is situatmi the myal palace: commenced in 1 :3s to replace the andent Aleazar, which had heen hament down, it
 It is a fine stome builling in the Thean sty. forming a sumate of 4 fact. and enchonit a rourt if 140 feet : its ablintect wat the Italian succletti. Deperdencico of the prave are the mal armonry, ermamine the finest collowion in the worh, and the royal stables, remathale for their extent. Other tine milding ame the palare of justice formerly a convont : the homore of parliat ment, Palacionle los Conarjon : Buena Vista lialame. nuw the minita of war ; the new natimal hank: and the town bati. Deables a fombling miversity, fombled le Carlinal (innero, and two hish chosi-, Mabtrid contains Il manimal and 21
 There are many charitahbe instintions and the monicipality mantane dionemaries in tokd of the ton district-: hat homital acemmondation i- detiarnt. and hareate almand in spite of the law.

 pallie libation the diaf heine the Xatimal
 ath the lidaty of the maserats: thome of the pabay and of the hademy of Hivemy romtan














ment and mans hamers that recallent the great diev uf crain, has recently bext pullai down.











 of matm of the artiotio himh of earthamatre







Matiriorala a word of memtam rtumology, debostem a shat lyatial perm. semmatly on the










 - yly. but without mon-ical arompamiment. The


 minimated with the Flominss, and betme the minhla at the lith rentury. [rom them and ly



 liad. Windba. Kimbly, Wilhy, Jorlex, lowlaml,








 that Fi. ly the linlf of Manaze, which arparatom




 mont batt of ladia. It. l'amlyan kins ame man

















The prople, of Matay demont, reamble the Jivan-
 motrprining: thes mate the lext native soldiess in the lutuh colomial :amy.






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 portolin of relicuon amb whation from list to
 dent of the lamainh patiament. He aliod hime
 tury Mandis rajusel the hiwhent rephationt, not
 Shrow, clever efitic of the latin and (ireels promewriturs, $1 t$ was in atioising amd rmemdatinge the






 arhalambip. Tle provilad for xudnats very valu-






 but now being supurated ly the reath- of newer
 I'rn Wirce at dissertation on the (imentatution uinl





 is l'haryit, and thowing ato miles west sontherest

 remarkiathe.












 trom hio jatmang with the romperor than him mere


 -



 : comspimator: hot, as a mofion minister miont do, petiret into the obmonrity of prisate lifo. He had




 the honne on the lEMniline Itill: alune thom all
 s bet:. leaving the muntar hi weald.

Marlatr. Sme Mavis.
Marlimin. se Mambes.



 netsigated hy wesple at high tide and lon tidn. thongh in miphow the water is ahwar rowh and mamed into atery foam. Whon the wimb hawe

 northemet wint. The torion -hine whate. we.






 imacimation dumintion of the hatwo of turine


 Water i- punad thrmat at narme "nemine as a



## 





























 an impurant fortac. it i- -ill a sarion tonn:

 tam- many frimting and at limas: and in the
 mather t the wathenal ane i- al lawnt imm






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 -rass. earthmuare and carp"ts. Pop. (1s,ii)
 Ta lowned botwom lota amblatat in län nith--tom the in-agent Bulyiths.
Maestricht IBedso a section uithe banian ur





 Tha Fo-ihate fechliar.


 tu the wond of larix in luta ley a plas. L", Promerow Mutan': Otherpins an.







Mafrking. : fan in the moth and











 at leat onne futan in the winter foulaths in







Maflef. F゙\&











 Hullind, and liomany, then orttled in his hirth

 is 5790 , in $\because 1$ vols.














 atal it- wheres. Therefore atistindion is drawn hetwon the hish and the bow llathia, the latter


 ace ept the pole etion of this hathwy hashe whish







 Hent of imblation in fatt, the system wi besenting

 beturn fop putention, and they mat emplas meffonsi



 smanders. dirats otrikne, mul evon lises the hime




 Lu. 1/uffir (J:ain, la! !2)




 atal malian? inallensy:






Hatrelalat a lill intress and smatl town of















milas fona Batrampuilla fo l'nevtu (inhmbia, the - hipping port, where a pier hat heroulmilt. Thas








 in IIBn and follomal llim. She wis win of the women what rand ly laterom, ithl one of thane




 foot vith bintment, ami wiged them with her
 ally remation at a woman whase earls lifa hatl heen very poollighte, atthough of this there $i$ (a) hint whatery in the nargat is of of the evanget


 "yed") is dan to the same motion, and indeed the
 wamen who hate fallen from dhatit, and insti. thtions for the rereption of rejentatht portituten


The eomelosion of mast emmmentatars is that
 named dming our Lomds lialilean minintry (Lake

 sii.). 'The wme lamage athlumed la prowe that in thene twa naratives we hat hat wat woman in





 lathon with rithor ato in the tho hatrativer is




 (n)
 is emblusive agamat it.





 ant "we uf the rhinf fortwren of the dernath










 the lombe of the limpere whan lla limat, withe






Waims. but foon the clowe of the lith contury:













 tha lamemattion, it incomed the emathined wrath















 wite limally resumed to Prumiz. Son work in



Mardebury Hemispheres are two hullow












































 the word.




















Nagellanic Clomils. of Nitu!ct





























 Viは?








alm have a haximana depth of 115 s fect. The river






Haterot. the hara of mom hiss (lyptran withome limbs wr di-tinct heand. They forel on the

 untel for hatit on for feedmer himh.




 A-rytia ildopled the hombing and mathe of the



















 lite, which win tor be ume of the simplous amil serorent, hatiting their sacerl station, hom which



 fowl. "!nemally of the lowior clas. was to colmiot







 lomenn to wane, and, from lowing tho highost

























Wat hear their hatmen, and their metanty is preserved in the beat wi the thrat holy kin:- the lifiphany.
 in works of art as a black man.

Miavie the pretencod art of doine womberna


 lomath ta that form of sureery which was enm-
 l'arsans, and l'arthians, and by them reat over the leint and even the Went. No perphe have



 prationd many forms of mand, lont repecially androlsey, which was mivel ly atmersion of

 into elaborate strten and ritmal which far

 hell the sume view of matrice as the lem colturen races amom them. and the fhilownhy of the




 leariner many marho of hawinh verenlatim.
(irimm mive Xinale (ormemon) is the salntary.

 Anvilish: mot till the :and were hemrated amb

 or. to reil: mometimes he even harem the stift of
 -i.r of his jowers to the shatmathal print, he loarns to combure 'The mizin of all compuring
 Whing eonarined in themselves all tha wiondom of






 Ster the intrathetion of (lati-tianty all buthen







 mati of sucery wate the dexife to werk minehief.







 lion to the disine will, it hoine implied that




 within his own comtrol. Ilame sumery eaty lacomes ditherntiatol from robirion-on the ane side lasitimate motins of eontate with the divine,

 ly wealt, incomprehemsilate art- shill in matnat


 batek into oeonlt amb my-tie desioes, while two


 Bation, is the phy-ic- of mankimd in ther stam of nature. It rest ont ther herimainge of indurtion, whith remaine witasut reath maly betanos in it




 End the erminal site of the minambor heramm -pectalls the fonetion of the emat. Smbern latiat,



 indepornontly of them. ant sum lewome kitw
 the ionnomee of their dures. Smaner the Whlathboman mavic iv rife thourh combemmed hy rigit

 mimons. aboblintio figures. hivinationg surtilus. atme the like li at man derotrs the power ho
 bumernt; but be may on on to achaire the prower of commanding the evil genii to do him all himbs of wheled arover, whin is execrated ath hack of stanir matio.
 asontially to the lower levels of civilivation. ant tha. mphtation of it eliner to any survions of an oblay nabomalits. like the lava of Buma and the jomme and laph anmor their Combinarian neiohbours.
 mone himhly of the lapish prient than of their own
 onring madnew. All matycal reasoning is batod npon the inherent prelief of primitive man that -itumal connmotion in thonerht is equivalent to - intal connection in fact. Tlue satige ever emmfomme an ideal with a real cmmection: lucomfund - nbjective amd adometive relations. Th him it is marely a mutter of experience that all mature i


 "10 his ataty knowlatige of matmal vanses with

 aml reatlity prombers at state of mind caprathe of


 Comadetmes evor stribe the primitive man an



















 flomingin the :ar.

 rondition we find the fommation wi foriohiom and


















 the hamd of a heinity hamoking with his name.
 we time the mont -atered matmen hept athetly weret, as lay the Jewn, Mostemo, and the limmans ai their antriar deity.

Magic was strictly condemmed umber the Invitio: I
 molawfal mirate. In the midila :

 the whe department it was the pratent wi wombific. antrommes in the other of moxhom famistre. Yet the rian of imperfort mathey has winn was but slowly frime a real womblin mothonl; anil
 has laen exchanged for a rat hambloter of ther
 "perations have widemet ont into the wat wionew



























 bhat, the: an of whid i-an at low with the mathe





of short foru*, to condense a strong light on the

 and of tha thlo ju fitted with it domble combex lens.

 ant thows them unn the soreen or wall. The

 ar he mansof photoraphy an a collowhon, whatime. or carlum tione tilm on the oram, ant mast le incorem intu the taln in an inverten forition. and with the film or fatatel mile nearest the serem, in wiler that the intaren may apmar erent and

 latome inditinet from the lewend intanity of the liwh. 'lhis instoment is sometimes used as a tos, but is als, frequently employed to probuce
 rientitie diacram- and enlaternemt of photer Waphe view so that they may le well sem hy an
 ar pronnced by a paticular mandulation of the same intrament.
Magic Squares are sets of liftermm momers, rarh cuhma of wheh, whether horizontal, vertical, ne diagmal, andsalike.

| 1 | $10^{29}$ | 10 | 3 |
| :---: | :---: | :---: | :---: |
| 12 | 6 | 3 | 1-1" |
| 7 | $\because$ | 1.83 | $\cdots$ |
| 1271 | 4 | : | 11 |

F゙…

| 4.0 | 06 | 453 | 510 |
| :---: | :---: | :---: | :---: |
| 523 | 440 | 411 | 454 |
| 47.7 | + +1 | 529 | 432 |
| 463 | $50: 1$ | $4: 3$ | 192 |

Fig. $\because$
'The alowe are two camples of a macie oquare With he same smmation (in eithes rase Je! $)$ Con-intering the dithinalty with whith at geram



 (t), with the smmation of ls!l, rach compered of diflerent mombis, or with a dithernt arrage

 may he mate from it by alterine the four highoot mantors in it. Than, if $18,14,15$, ant in be

 mation at, It was at me time thomstht that mabe


 -1rmberns.



 imporant methont, that of sumporition, inventem? loy De la llite. It i- ment meatily aphlion to melt mime manders. We therefore take the it - matre fur oll watmple.


Finh row of the alme spuares contains the natu-
nmmbis and in the sane order relatively to one another lint in fige :3 the hert mumber of each row is the same as the thind of the row above. whist in lig. 4 it is the fourth. If now these two -guares be combined by aldine torether the numhers that are in correqumbing erll. the realting - yathe will he magic. In this case it with have the summation of tis, and the top wow will he b, 3 . -0, 12, et. By altering the positions of the manbers in the top rows, and makine corroponding alterations in the others, 3600 distinet varieties of this namic of bate may be ohtained.

Ahbogh numeral- froms hate written on matio matere (amons whom may he mentioned
 Nontwela, Frort and Cram, the literame on the -nheret is hen meams masily acessible. I'ertaps the beot known work is llutton's . Whethematied Pormetions: and in this will he fombl descriptions of other bimds ai magie squares, such is the bonderd and Tesellated, which may brietly be deseriber as mande spares within magie soluares. Nivith magic spares (oo named ly frost from his place of residence in holia) are symares whone manicality is not dextoyed ly repeatedy rmonsing the dirst colum or row to the last
 root: made hy the la lifes methon of supermosition, are masik. Even squares can also be mand masik. Fig. 1. with the mmber: 13, 14, 1.5, and 16 sulntituted for the fur highest, milkes a nasik square.
Masilp. or Mesthr, a composition meed by artiots in oil-eolours ats a medina :umb for ghazes. It is made of limaddail amil mantic varnish. holertomi:- medimm, whint is similar but drien guickur, is now more neel than macilp.
Magilus, a remarkathe (aateroponi foumi un the eomal reeds of warm eastem anas. The vomes amal settles on the growing coral at the olivious rink of heine gratually smommed and amothered. Thi- i- avoided, howiwer, be antire change in the. form of the shell, which is diverted from its. orninal sinal tege and grows ont int" a long iregular thle. : In nethend-nock rawe is hept up until the mollane of the romal dica. So the talse
 inth it completels, and the mininal whots are dilled up with lima.
Masinu. Witurum, one of the most hilliant writer of hiv has, hom at (omh, lohh Juls 1793 , ther-on of a eehmbanater, and wheatend at 'rinity
 1sll, and leit a lwillian bemation for promens aholaship. If womty ix heremined hi-derger









 comemomblont. In lese he jowed the ath of the shoulome and he was bue of the orichatome of




 itmoular amb manal! wained the matery wer him. and har wat ofter armolen and in jail for deht, withont lowing. how-




 the Fleet．ambl having pased thronch the hamk－
 at stite of great purerty 11 aff came from sir



 paroly an the hivarimal novel，and IImane smith＇s


 coltertion ai hiv papers watedital ly li．S．Mat

 vols．Lamul．バラォ）．

##  THE＇EBSC．

 at lolorelee in lobis．and till his fortioth geor was
 dioplayed an morlinate baxion for the acelli－ition
 latin，and Ilelnew，lus Kiterally antombed himarli
 were jurtion of his dwelliner．In his daily habit－ le prow ramatlese of the decencios oi lite ：and
 himatif even the requisite intervalo of rejome．Ilis menury wav paliniou＊，aml enableal him not only mimately tor latin the emntenta of his multitudin－
 mont axact reformee to any parbimbar fase or bataraph．the plawe of ath hook beine inlleat．en with preation on the mikst of theil semmingly in．
 the limary frowligy of lise timen．In $16,: 3$ be wat suprinted ambthararian ly the imandobake of ＂On－＂ay ；amb the many＂tribntes of perpect tenderal hey rowal and distingroblod pervonages tu his wombainl emmition fosterel in in inmalinato．
 him intolerant of literamy merit in uthom．ame involsed him in speral littor litmary－quables．


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These are the most inmortint foritures of that Charter which ournise－comblicmom a plame in
 law of Englaml wel the will of ：lue manaroh．I

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 1 hartor wan ment to every eathedral，ablumberal tu

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 to hava lem＂t＇mate，thomelt it is lombthal whether




















## MAGiNETISAI

rarrich on with the mother-ommtrs. and party also. it is comperame by an ambamation with the l'alande (and therefore kinded native of the
 the philompher, arrived at rowom, atme swn

 1 hu dithementities wate often hittor ath Mowly: the new motahle care wore the dempertion of

 time ly the Laranian and hrmotian*: and limally.

 had diapmared. 'lhe loment th survive wat






## 

Maglowial. am andent rity of lmaia in laia Vimmerithated neaty 10 miles NF: of Xibotur in the valley of the inamber. It wan a weathey and proprrincoly motil after it fell into the hands





 drum, to hiotinguila it from another. Dlwased


 Wani-a, and i- : fown of 20,0 on inhatitants. 41
 divinom an ament Thesaly in (ireece also hore this hathe. Torme of the paren called Manderia. man patably that in Lediat, we owe the lemm
 mamame.

## 

 Whill is wer wifly diwimated wer the ghate



 and in the era an saphate, and as chhride the

 his wrell-homa alt, and in the beciming of the














 salate, ami. When lialtai, hams in air with :m








"Wad in modicine under the name of cakimed mar-
 lom for modiad forpon it in praparel hay previpitating a mhble mayminm salt with arbonate of what Aocording as it is perared in the the or coht, the poultims marmate foms the Pemberone and heno or the light variety-

 this whtion is known :t innid masuesiat. The

 It is man emploned in fehrik atfectoms, but it



 Aran. int- of water. In combination with infusion of senat it fomes the ondinary black drameht. Manmeia and the cartmate are enploned in
 they have a distinct pursation ation. Fhid mag-







##  (:\L)





 , intent ) or temprary (aft iron manom manetived


 nichla, of cultaht ball in -monombed lay at theat, and at mathet (ly. 1 ) i- pamed along in front of it irnn ons coul to the where the hall ibuwerfully attracted towath the romb. bat mot at all by the millife of the matore Tha frimt: ait the mas:on to wath whinh the atmation


 ing hutantally tw dhate in. Brant of the dile erent partor



Fig. 1.
 Shandions. The rate of varialion on the attanctive

 : - bilima diximilarity





 (:a flareal withome wor - ionl: wr lut pivot it. ar lay it on at that on watro. Whan tha matmal i- lo.ji to itweli it tahom


 "an kuplos narth, and the wher smath. The morth fils rammen, except in motahbe "بmilibrime. low mate to stand as a



in the frolew. be means of which we are cmathed


 that the finle of the shapembent mannet which



 it will her forme that the pole whide athacted lat
 that the prole whind reperllell it is a moth julle. We:









 the "xtmone athe of the hat :and the phate where

 -

 the nther of mesative mattel : athl the north pelm of at matort is, in amombace with thin arder of illean, comentionally tommed the positive pole.

 ha-Alevelopnd at new puld at the hooken emal, and

 the wigmal matuet. If, ath therefore mere here
 "th the valut migmet woth wa 'qumel mmount of the





 af the avi- ai rotation, and that the mangutio.


























 than hat rath bur mome stronds


 the sthem, amb it is to it that the athathate in






 mat:

 rongerion will mary ant the linto off tho Hir..tims in whieh -mall ma\%品me will lie madde to puint lis the flay of tha mas.
 athom! the mathet. in the maturtio. tidn at that matont. Thate diverions atro thr Lime of lurer in

 lilling all -pace: : 1 an


 the stronses beat of the tield atermat to the maghet is that lying letwent the pmber: the lines of hame am there amadot towether.



 we each enmerted, while in the neighbonhamel of the matenet, inte tempmitry mandets, well with a noath and a south jole : the one pmbe in rapllat,
 swivelled mand jnto the divectinn of the lacel lime of force. similarly, a har of wht imn luexome, while in contact with al maynet, a in tio. is, of to at


Fis.










 - pratiall! mat hon ma! !






 tho latistart.






 truth of tha theng alreaty referred to. What the
 in : it bramme in the cmane of time. and the anmer if




 matace of fom arr tationary for any lemeth of
 time and it is to the indmetive ant inn of the erath:polio :ueting throush aspe that the magnetion of the lombtome in probithy to lie attributed.

 fill ofl in amomath, till they rach a puint at whicil their stronght romaine cimatint. Thise is callo.
 rated to this paint it may lowe wothing atter mase Hotivation. Wr. may anctutan whether at mant is at saturation hy monetions it with a more powergl magnet. and setus whether it retaine mow mathetion than lufore. The vituration-pint humbla on the material of the matore itanf. If Hon is masnet is alowe saturation it is sum modned to it he reparady drawing abay far ; watare irom it. Ster reaching this puint manno will keep the same strmigh for yars
 faromable for the meservation of mashets that the le powifed with an anmathe or keem. Tho
 the weight its armature can bear withint hrekinis away fom the magnet. Small maturis are moth - whaner for their is than large mes. The rasen of thix may ho tho explained. Two magnet- of

 two be juinel, so ase to forn ome magnet, they do
 in clas prosimits, ant inductively on and other. Tha morth pula if the one tenils to reple the

 in it place: the manno thas weaken me another.
 hatur mat a fore pranntionate to their mumber. Lampe manmo, in the sime way, may be con--jherd as made ap, of several lamine, whme mathal intorformerember the action of the whale ror mumbly han the sum of the powers of cath.

 lat. at acom distance from one of their palan, the asin of the modtr and the pole of the mand
 Where the lew of pendahan motion, sa that the form tonding to hanis the nealle tor reat is pro pertionate to tha squate af the munture of amillat thon* in ar mation than.





 lane. mapareal with the ditaner hetwern thet



 "Hen lye ditame butwern the rember of than




them. This variation in the streneth of the fieht


 (In a magne in a animm mathetia fichl is that of a comple like that of the hame on at moyinge

 ai the ome pulte to that of tha ithere.

 of magetion: irm, alon, at a mad bat, cenco to he athated by the magnet. It temprature hathe red hat the magnet garts with nome of its power, the lowe in reasing with the temperature. The
 ln the magnet loxe their magnotiom dither from that of imm. Cobalt remans masmetio at the hishest tempratures, :mot nickel lasen this pros. monty at 66 F . F .
 cirout is a chane law of some form or other. Evers such loug haring it curant has rome it a
 lent to a thin dise, or जhell of any form, ant ont of a large bar magne and has a sinth and a math acourt. The line of imdurtion pas. sily, from the north face cutwad-, tilling all spare, and return to the wath face, threaling the lomb, wo that each line


Fig. 6 .
of induetion in a chand cmers. The lines of imhere time immediately surombling the sire are, if the rimenit le latye "nomgh, circular in form. If wire Tharime a current he ruiled intor a lodix or solembid (heft handen, fig. 6 : right hamberl, tig. 7), the hetix


Fig, 7.
acts in reprect to luntien external to it exactly in all reperet-an a har-magnet would do: the serngh of the erpivalent magnet heing in propertim to the -rongth of the corrent pasing. The mannetic firhl surombling a corrent learing loug or belix is
 with the fied which might he promend by at sulliomenty magnetised mase of the samu comtomr:

 mak mome intense tham amy nanotio findo ohtainalhe fom sted magnots. Thase phommena have

 siders that esery partiche if a manene hate chased


Fig 8

lig. !


-hom in lig. s. All the separate currents, in the sarions particle mas, however, he whandered to lee elpuivalent to me stroner current cirenfating round the whole (tir. © B Beme maznetiation the metecoles li, fin ditterem direttions. a that the ofleet of the eurrent is lont, atul the eflect of intue tion is to twist the mondentes ramise as to hing the enrents to ran in the same diedtion. The perfection of magnetinatinn womble to rember all tha sarmo current- parallel to each other. Soft irom. in conseguence of its oflering lens resistance to such it dispoition, berman more powrfnlly mathetic maler induetion than steel, in which eomsiderable resistance to this divplacement of the molecoles rxists, mind which, when this deformation has once been promberd. retains it to a considerable extent,
 This displacemen of the molechles man imhertion in often acompanied by a tick, or by a mechanional twit or an alteration in lenath and thickness.

Coment-may atoo it is probable, be momed hy a mandic fied in the several molenter of a subi. thane nom-matnetic or not : anl, as these are so directed an th allune the magnetic lieht, we will, if we pumblate the almence of resistance to them, antive in momagnetic substances at a state of thing- in which the stresses in the magnetic tieln and thone in the sulntance acted upm lin induction are alymedl: and thic will give rive to the phemo ment, and may provile an explanation, of diamaghetion, whel is, so far as is linown, a property of hulio my fomm manifested within at magnetie tiels.

Mingurti: Intution inside " Hellir. - The interior of a enrrent-lnearinct


Fig. 10 . helix is a very juwerfit maznetic lielid, the mont powerfal part of the whole electromanetic tiehl of the helix, since all the lines of indure. timm are concentrated within it. Soft iron there lecomes, instantls on the prassage of the current, a [wowful temporary magnet, ur 'electro-macnet.' as it is called, whioh falls ofl in frower instantly 101 the current beinir - omped: steel hecones permanently matnet ised. Fiy. 10 Shows how the wires may he arranged to magnetise a homenhe lay.

The current of the helix, acting on the individual -nrente within the molecules. places them paralle to italf, mat the remit is that the soft inm comes Wact as a magnet, stronger than any sted masmet. sis lonse in the procen of settime the molernles in paition is far from berne completed i.e. on hang as the iron is not saturatel'- the atrength of the matnemin indne in the core is aproximately in fromention the trensth of the coment and the Humber of turn- in the coil. Amother faralt is
 harine helis the lime of induetion, whel ate the

 $\therefore$ that har whin tioll is ereaty strmuthenel.

 mithre all lime of indurtion fomb vaion -nurem

 chingialont with ome anthor in is-puet of formin

to dow that thiv thatency reonts in musements the satue th thane whith womlet be producerl if linear currents in the suthe liaretion (parallal, wom berent, or diverabit matally atrabol one
 pellopl one another. When : circuit is in part Alfoxible, the flexible pat locing a wire or anon merely a hine of diechage thromeh air, it tends -ither to expan or to comtant in atho an that it may come, as near as mity he, to mont there conditions: and the resuht is that similaly directed currentoor parts of the same current mase into the clonest jossible proximity is one another. Thi- is illus. trated hy fig. 11. in which the comme of the current is shown lin armows: the movable part of the circuit, prived on mercury elps, will rotate in a mar. netie lield $w$ as to tend to make the direction of its own line of


Fig. 11. induction coincille with the direction of the lines of indurtim of the magnetic or electromannetic lied, and thas to make its own contour embrace as many as pr-ible of the lines of induction of the lield, if their seneral trend enincide with its own, or as few as pu-ithe if they he opmosed: and, emmequently, if a wire in whicli a current pases downwards he placed vertically near ch, the lines of immetion round that wire amil thase romed colineile in seneral direction, and cel appears to be attracted liv the wite: while if the current bas mpards $d$ is repelled, and. $f$ attracted. Plaer, now, the wire helow and purallel 10 de. If the current passes in the direstion $t$ to $e$ no chance takes place, as the attration eammot -how itself: lint if the current mose from - 10 d the whole tums romel till $d$ stands where was, and both currents an the same way. If the wire lie placed at ridht angles to de, the rectangle tums mond and comes to rest when both emants ate parallel ind in the same direction.

Acerding to Amperes theory, the earth, bein: a manget, has currents in it which are equivalent to corronts circnlating alout it ; thone mon he from east to west, the north jule of the rarth bringe, in our way of apeaking, a sombly pobs. A magnet, then, will not eome to reat till its own
lower eurrent. phate themselar paratlec form in the dievetion of the muthe rurrunts This is Gunw in tiz. 1: whtre: - ai at ratangular


F゙ig. 12.
hatr-nturner is


 hat and it i- the lower emonent that determine





 rurment, whend amif lice tast aml weat.






 eypall forlo. situatom at a dintance of me tronti-






















 mumbent for unit of arri, if lhi-he mifoma.








 man. 1han in Mory mation ; and tha introsity of









 montal math ame in nse as the partional mats for











 | $1,1 \mathrm{~m}$.
siffimblution. Whan at enmont in suldionl










We erit the more manked is this ethert: and this eximanmom is hrought about hy maltiplying the tums in the eoil (keeping down the resistance, if necessury, by increasing the thiblines of the wire meen), or be insertine a come of adi imon, or luth.


 will pulace at laferarent in the onlom in shel :a sense that there is meretatical repulsion hetwern the inthote curant and the wrigimbing one : the cesation m dimimotion of the primary rmpent






 the oplumite selta. No current batomes in the
 manhet manims emmsant or stationaly for the ways in "hiall thin froduction of a secomelary
 We try to mover a or a kinife-in astrume mannetie firld the motion is manter or dampert: the prombetion of the indumal varments genemated hy motion in the tied aboblo energs.

Petutur! P'utures u! Dro!nectism. - As a simple
 hume uf a lineat emment. The lines of maconeti-

 ן"sitive or month-ecehins, it will lravel romal an ath:anding chrednt in the abme spana in which the print of ic corkorew travels romme the axis of the
 it would fom a cuil ronnt the rurnont ; and eon-


 axis of lan manet.


 rimes. the ases of whing ate the mannetic limes of indactiom. Tha reineline of tembincion to lle for-
 fendes in lhe pmentretion of lacal vatialions of strens in the ether whinh tenalt in attrateling amd


 fonltant fore atr along the ame of the whirls
 amd to spead wat laterally. The eloct rio displate monts in the whirls are tharefore at right angles 10
 tions of the matiotio tieft wa have other forms of thas linm uf form: hat they are alwas elosed chnces whish math the ate of wotex bontions or -hame aml whioh lio wholly in air, ar fatly in air















ments are at right angles both to the direetion of propagation and to one another．Withome a linear conductor to raide the proprestion the distarl． ance is proparated equally in all directions ；amd Clerk－Maxwell adranced the promation that lisht is a phemomenon of this orter．an eleetro－manemetin． thenomenon inmolvis wortical treans，rather than the mere vibration of an elastic＂ther．This pro－ position has been strikinfly conlimed by the re－ searches of Hertz in lys．He found that by pro－ ducing waves of eloetromannetic proparation of periontie disturhames he conhl reproduce with lons waves，which le fomml to tracel at the predietid
 a cominelom，refration．pmlariation，interjerence， de．wheln ate manifestel hy thase short and fer fuent ether－wars whirl wive rise to the pheno－ menat of lisht and rabliant leat ；and his results have－homathat the phane of manetic dinturls ances，at risht anglen to that of electric disturbance， is the analange ot the plane of polarisation，which must he at riflat amsles to the plane of vibration．
 mimp a piot of the evenal science of electro－ आば！netin！
 seedle，vysinor－electise Machanes．For litera－ ture，see Electifity：and refer to Sir Willian ＂Thonson＂s feprint if Papers on Electroxtatics and Meif．
 －1bhamblanten（vol．i．1sx－！）；and O．J．Lodge，Modern Jieus of Electricity（lave）．For instruments，sc．，refer to W．E．Ayrton＇s Pbution Efectructo（INs）and Janie－ son＇s Mathetism and Etctricity（1n！日！）．

Magnotism．ANMAL See ANimal Magnet． IaM and Hyreotism．


the carth is a manemet has beren inculentally toncled upon．In his artiele we propere to con sider in more atetail the masnetic features of the earth as a whole．In studyiner the mannetic lipht associated with the earth we are contined to its simfite，and are umable to trace the lime of force themernout their where hergoth．We helieve，how ever，that these lines of forer have the propertios of all lines of foree arsobiated with manmets．In gemeral they pass hy contimmons euried patla from revims in the sonthern hemispiere toremin is the northern hemisphere．The smathorn homi． shere，therefore，is the seat of what is vallent northern or positive magnetinm．

The divection of the line of force at any boint is riven he the direction in which of perterils in．．．

 force we mont smopend the manget accuratels bis its centre nf mats．ins in the apparatus knoma as the lipuninernembe（4，以）With such an apparatus，let us，berinmins at the extremes woblh point of Africa，mosy northwarls athd stuly at eath snecessive stave the heltwimu of the magnot． At tirst it will be fomme tomake an amerle of alont 57 with the horizontal，pointing powards towarals the north－west．This amsle of $\bar{\prime}$ is ealled the dip，amd will steanlily dimmish an we paw north－ waris，until，a little tor the south－piat of latke Chinh，the magnet will he found to rent perfectly horizontal．Froceedinge till morthwards，we shailt find the masmet heminniner to tilt aman，hut this time with the north－pointing ent lownwards．Is we leave the nurth const of Africa in 20 E ．lomig． the dip will he nearly 45 ：it will be $5 \pi$ as we enter Turkey，rrulually increasiner to nearly it as we leare the nomth coast of Sorway Vey similad changron in dip will ocem in we pass aloner any



 ate priven in the now olition of liermbanm Jhysi－

 the monher attombel．The woly pmints requiriner
 ＇The lime of zerotip is callenl the mannotice equator．

 notir comblition iom the mitionetie eondition of a ：311
miformly masnetised shere, whose magnetic axis coincides with the polar axis. The position of maximmm dip shown is where the neetle posints vertical with its north end lownwarls. It is called the magnetic nortlo pole, and is situated in the north of C'anada in $97^{-\frac{1}{2}} \mathrm{~V}$. lons., and $700^{1} \mathrm{~N}$. lat. There is also a magnetic somth fonle, which is helieved to lie somewhere near $150^{5} \mathrm{E}$. long. und 73 s. lat. The magnetic pole a lo not, therefore, lie exactly at the extrmities of a diameter. It shoula] he noted that the lijn is the ansh. lnotween the line of force at a diven locality and the horizontal plane there : that is, the dips in athome latitnoles are refercel to dillerent planes. Fis. :2, which represents the section of the earth along the great rimer passing thomgh the greuEraphical and mandetie north pullos, will serve to indicate the aplroximately relative positions of the lines of force. The directions of these at latitules $0^{\circ}, 30^{\circ}$, antl $60^{\circ}$ are indicated ly arrows, the intted lines riving the directions of the true vertieal at the various points. $A B$ is the seographical polar axis, st the mannetic north pole'-really analomans to the so-called south pole of a magnet.
$0 O^{\prime}$ are the points of zero dip, where the lines of force will be ronghly parallel to the magnetic axis.
Returning again to the sonthern extremity of Africa, let us consider more fully the position of the magnet langing freely by it centre of mass. To fix this position we require to know not only the dip, but also the weorraphical lie of the vertical phane in which the magnet hangs. This is given by the Declination ( $\mathrm{q} \cdot \mathrm{V}$ ), which may le defined as the angle hetween the meridian plane and the rertical plame parallel to the mannetic axis of the free-hamgine mannet. Practically this anole is determined by a matmet suspended or pivoted so as to lie horizontally, and is what every mariner's compass enves more or less aceurately. Xear (apetown the declination is fully $30^{\circ}$ west of north (NNWHW.): bnt as we pass northwards it gradnally diminishes, until on the Mediterranean shore in of long it becomes only $8^{\circ}$ west of north (X)WU.) Passing farther north we tind it still dimini-hing, but more slowly, until finally, as we leave the north coast of Norway in the same longiturle, it is fomml to le $\mathbf{6}^{\circ}$ ( N DV.). The general fuatures of the aleclination are shown in fig. 3 . Each isorone or line of equal declination passes through localities at which the declimation had the value as marked in 1885 . This tisure is also reducel from Nemmayer's chart. It will be seen at a glance that the surface of the globe is divided mowully into two rewions, selarated by the agonic lines (marked thick) or lines of no declination. The one recrion, including the Atlantie with the whole of Drica and a lange part of the Intian Ocean, is charmeterisel ly westerly deelination: and the other (witl an interesting exception) an easterly declination. These are indicated by arrow-heads appropiately directed.



Gho woutom hanmary of the parion uf woutarly






 the sonth instaite of towamb the north. The Fatcon lammary of wotern merimation pases northwato fromi limmon till, at the generathatical



passes through the western portion of Australia :and tinally ends at the 'magnetic south pole." Comtinuing as the isogone of $180^{\circ}$ till it reaches the geogriphical south polc. it jains with the other lomatary line of zero deelination. It will be readily seen that the region of western reclination is nore contracted than the oher; but, as if to loblance this. there is an iswlated resion of westem dechination situated in the midet of the region of eastern sherlination. This imbled rewion lie- on the eant of $A$ ia, and is eneloned in an wal--haped aronie line (marhed with a thick line in the (hart). Declination charts for all sems and shomes are invaluable to the practical navigator, ber whom they are called variation charts. From them he learn at a whate in what lirection the magnetie needte pints at the phace he haplens to he in, and can -tper his deared conres accomingly. For example. in a vorage from England to linlia ly way ui suez, the western declination diminishes rapinly from $1 ;$ at (iibraltar to $\overline{5}^{7}$ at suez. Befure ludia i-sighted the aronic line is crosed, and the declination becomes slightly easterly. Thereafter,
on as far an Hong kong or 'lorres Strait, the compass points never mond as half a point to the east of morth. Ilomsenne is just outside the small isulated resion of westerly declination, through which the ronte to Yanomer pases. Is Vancouser is aproidholl, however, the easterly declination rapidy increases to nearly ens.
The derlinationt and dip comphately determine the direction of the line of foree. Its streneth ar intensity still reguires to le known hafore the magnetic comditions are complately tivel. The total fore we may ime ine to lue dermincel by measurimg the time of oscillation of a diphasneedle of known masnetic monent. Dractically, however, it is easier and mach more whate to measure the horizontal component of the total force or intensity of the tield. It is conser uently more uneful to construct a chart showiner lines of equal 'Horizontal Force.' Such a chart is -hown in his. $\pm$ (also from Nemmayers chart), each line hemg drawn thround lowalites at which the horizontal foree las thee salue as marked. The horizontal force must, of course, vanish at the


magnetic foles, whicll we originally detined as thrs rentons whare the dip was ! 1 , lronn fige, 1 ant 4 takn tornthar we mas calenlate romghy the
 inur the horizontal compument be the acent of the

 $0.14,05=0.75$; in Central Dirie:t whore the




 hiniman value lie on the line of lip.

The dorlisution, dig, amp homiantal fore are




 lines for Into, we ar: that luth the loms asmit.
lines have, for the wreater prart of their lemetlas, mobed weotwarls, and the agomic asal hate changed form slightly atml nowed at litulo atstwamle. I lime drawn fom Xovit suntia to the
 twa rexima. In the mutheantern ramon the destintion has laren dimini-hinger haring for last twenty sears while in the swatheweram the













line had reand its eanterly amblegom itprasit weoterly drift. In the charts jublished fi. the I nited states Coast and Cowletic Surver very full immontion is wiven remating the weterly drit of the agmi. line that pases throngh America. sath of the grat Lakes its armare rate of porgrew during the lan forty yeme hav ben neaty live miles per atmmo. In 1 s:90 the annal chance of dedination at phare in the
 minutes of are, we-terly increan. It (iremwich the present ammal thang is a hont seven mimates of are westerly decteme. The sechar change in the dip and homiontal form are very shath, and generally take flaw in anmente dimetions. so that the change in the tor ui intonity in still smaller.

The sulue dimat variation of the matrotic demonts, and apecially of the declination, is the mont matily rencotion of all the perindic variations to which the carth's maverism is oubject. In all but tropalab ration the leclimation medte oscillates mamedly alont it mom porition for the day, attainind it moximan deviation from one to two lome attor mom. In the nothern hemisphere thin maximan deviation is th the wast of the mean forition: in the sonthern fomiphore it is to the font. Again, the whal rage of variation is greater in the summer monthe than in the winter monthe. bis an elogat derelopment of Ganssis tlawles themy of terrentrial magnetiom sehuster has shonn that the features of the sular diumal variation of the diflerent marrotic elements imbicate canses above the eathis surface as the sonre of these sariations. This aceords with Balfour Stowarts hypothe-is that the diumal marnetic changes result from electric currents in tho hisher regions of the atmophere. These chmonte are dhe to the ation of the sm, and are problhly asachiated with the cmrents of hot air which pios from the equatorial rexims looth nomthwarle and anthwarls. That such electrie curents dur really exist in demometrated loy the existence of the aurora in higher latitudes; for this phomomenn is luyond question electrieal. Further. dindint emmedim han hem traced between amoral




 Lomis, it errat mornetic stom is alsays acompomied by ath namazal disturbane on the smas surfare Again, hare is no donlot rane commection between artain typas of matinetic chames and eath-ourrento, the latter locing partioulady
 admitted be all anthoritios that artherrment cannot beresinded anan eflicient canor of the matatie: di-thathatis.

In addition to the well-marken solar-timmal variation of the manetio elementa, there in alan a
 studiod by brout and filambers. These and wher phenomena of terreatrial magnotion show that the earth in mosmetically enomite thenmic inthemos. These inthences masy ine diredy
 the sharedimmal satiatims, Hos may give rime


 the mesent state of the semere, to formalate ims
 "arth, whi"h is an infurtant a bentor in the hroad
 aricen, i- the only dymami polarity that ma he
 the momber hymonis the earthi rotation is a
part of a grand cireulatory motion of the solar ystem. Su may the earth: mannetiom he a part of the general magnotic combitions of the same Frimo lif such a view is tow vasue for acceptit tim, the only hypothesis which serms to meet the case is that sugrested by Bafonr stewart, who traees the magnetie comblion of the earth to the terrestrial meteorological system, as moditied ly the earth's rotation, acting comulatively through the ases.

## Marmetite. See Lombstone.

## Magneto-electrie Machine, See Dyximo-

 electifi Machines.Magnetometer is, in weneral, any instrment for meatming magnetic foree, or firr comparing onc mannetic fore with another. A frecly-suspemed magnot, whereley the strength and direction of the lines uf force in a masmetic liell may le ascertaned ly obsersing the froition asomed by a freelysuspended mamet and also its rate of oscillation and the amount to which it is deflected when under the intuence of a secomb magnet, is the essential foature of all magntometric instrmments. The peroliar importanee to us of the earth's magnetic bind has, lowever, led to the monstruction of in atumente of precision, to whieh the nane Mag netometer is -pectially applied.
In a maqnetic ofservatory the self-registering magnetometre or magnetugraphs forman extremely important set of instruments. by these the quick changes in the intemsity of the earth's magnetic hidd and in the declination are registered by
 methoul is the reflection of a beam of light from a mintrr attached to a magnet. which is suspended ur pivoted so as to the semsitive to changes in the partieular element that is heing measmeal.
Marnificat, the sone of the Virein Mary: whieh, in ther Vulgate, bergins with Motumificte. See limevialis.

## Magnifying Glass. See Lexses, Micho-

 sonde.Magnoliat, agemb of heamiful trees of the natural order Magnoliacer, hasing a calys of three splpals, a curolla of six to twelve petals, ame carlols in sike arraged in contes, and opening at the dorsal suture. They are natives chiefly of Xinth Ameriea, the Ilmalaya Mountams, thima. and dapan. The thower are large and solitary: the leaves geneally latge, in mone opecies ever green, in othere dectumis. The wool is in general


Magholia rrambinom.
soft, - womgy, and of little salha. M. grandiftora. sometime arbed the Lamed leaved Magmolia, has white flowno of crotit sis. It is an everemen trea alont en fort high, with mannificent lamel-like
leares fornal in the fower flistrict, from Ninth Carnlinat to the dinlf of \$1mion. It succeds wedl as an ornamental trex in the -anth of Enerand, lint in sootland repuires a wall and some protection in winter. M. trijutul/ is fommal on the Alleghany Donontains, and extend as iar morth as lat. 43. Fron the radiated manner in which its leaves arr dispused at the extremition of the branches it fareseived tha nathe ai imhrellar Tree. lt hats very large whito thwers. It is onde of the speries most eommonly mitivatml in lifain. but in seotland it requires a wall. M. "rommmoto inhabits the same listrints. and is a lolty trew with areenisherelow flowers. It endures the elimate of lifitain well. but it - thowre are mot sommed almired as those of whe of it- ampeners. $1 /$. glmmon, a mative uf lemmolvania, Jirminia, and the (aralinas, is
 R... wot in $l_{10}$ iabt, with very heantitul and frasuant white fiowers. The Vulan, or Chinese Dasmoliat
 ha Coma for more than twelve hmmired yoar on aronmt of it hematiml and fragrant white fowers whinh it promher in ereat profu-iou. It is one wi the finmot ornamental trees, and succeeds well in
 the Howers ${ }^{*} \times$ panal hedore the development of the ]waps. IV. cortse one of the finest speeies known. is a predmanant trea in some parts of the Himalaya
 the momntain. When it is in blosenm, appearing as if spinkled with som: II. Cumpluctlit, another naibe uif the same resion. prodnces sreat rowe entoured llowers, and ic drecribed lo Howker as the most superb of the semus. The bark and froit of all manmolias possess tomic litter properties, and the bark of sume of the yeciss partienlarly that oi 1.1 . glamor. is usel in mometie medicine in the marshy disticte of North America in eases of rhemmation amb fever. Mieheha and Nanogliptia are "lowly allied genera. The natmal orler Masmodiace: is chosely allied to liammendareat. litlering chotly in the arhmeseent hahit, and in the larien -tinites which envelop the yonner leave lwime the ofron, lout som fall ofl. The leaves are simple Armatic properties are prevalent. To thi-omer helme the lalip Tree, Star Anive. and Winter: B Bus.
 who in llly wat assoninated in Egilshay Jshand hy hiveonsin liaco.

Magmus or Maviv, M. I's, Swedish historian, was born at Linkiping in lfot, and became serere lary to his ehler hrother Johannes, Irehhishop of I"心ala. At the lieformation both hrothers went almad, an! ultimately setted in Rome. On thes
 and alied in los. Both bruthers wrote on Swellish history ; the fiomon-work oi Olans, in hiv / Fistorion


 "rnws ly thir small size, loner tail. shart winor. inn! varimated! lamage. The only british arocios is the (omamon Vazalie ( $I^{\prime}$. rustion), rommon in liritain, wry abombant in lreennal, aml fonmol in
 "hinat, and dituth, ame in the notherm part- of



 ont the rewn itn! lionk, with a lightly ropery
 san! maler surfare of buly white: wimen atm! tail


Wark. The fomale is sightly maller than the male amb low hribiant in pinmage. The mate

 ing its own food It is andrally men in prairs, lint

oncasimnally in large focks. Itw note is a harsh chatter. kipt up as loner ax ans obmoxions person or animal is near its hannts. In diet it is almost monivomos, living on snats, shes, woms, frogs, rats, mire, and the egrex and fomin of poultry. It builkits nest usnally in the fork of a tree at some distance from the sromm, but sametimes on fow hedges and thom bushes, or even on the ground. In Norwity am] Sweden, where it is favoured, it may he foum nextmo near hounes on low gooseheriv hashes. Itx uest in large and dome-shaped, malle of sticks cemented with clay and lined with fine ront $=$ and dries gras. It is stomery fortified with romeg thoms. 41 a 10 lest the attacks of other anmals. and even the action of the small thot which wamekeper- hire into it when they snspect it to contain vomme limes. 'The' equs are from six to nime in nimblar, of a bith homish ereen or yellowi-h-white, sutted with oliwelnown. The mothey shows oreat attionment to her proseny. The maspie is easily tamed, beomes impulently fombliar: and leams to artirnlate a fow words. lonth in its wilal and tame state it has a propencity to size and rary off hright and ghturing artioles and hide them. The genus Piea rombi-ts of nine peries, very widely distibnted in Enrone. Sorthern Dfica, Ania north of the llimalayas, in Aretic Amurica, and ('itlifornia.

A great waith of pumbar - mperstition has
 maversally it is comsileren! an in a furial sense

 with the revil, and it in monelig to kill ans. . .areft laring the twolve dias betwien fhristman and lipuhany in surobrn and Xinth (iermany, and


 him! that womlithot into tla :ak with Susti;

 tha hime dial not an int" fall momming. Its








Word-worth, in the E, Emowion, hats alluded to
 ones path. and sir Hmmphry Davy, in stolmencir, lats mande it reasomable hy linking the fact with the semmatese of the wather.
Masuey. Nee Acosb.

## Magyars. Rope IICNe, her.

Malialaaleshwint. the rhief matorium of the Natras l'residency, on the watern slopes of the Wrotern Ghats, at a hoirlit of 477 feet, and 74 milos t. of Poona. P'opr iono.
 hintory of the desemblants of lisharata ${ }^{\circ}$ is the mamb of ome of the (wo errat epre pems of ancient Indiat: ther ather briner the limayma (!.v.). In its present rombition the epos consists of a handreal and $10 n$ thousand couplets, each containing thirtytwo sullables: but there is aromal for believing that it was formerly known in other recensions uf a sill weater extent. In its actual shape it is divided into eishteen frarvans on hooks, the Ilarivansa being ionsidejed as a supplementary part of it. Chat this hare composition was not the work of one single individual, but a production of shocesolve ages, is manifent from the multifarimoneso of its contents, from the diflemences in style, and even from the contradietions which listmbls harmons: Hindu tradition aseribes it to $F^{\prime}$ yoise : but as VYása means ' the distributer or arrandre, anil as the same inlividual is abo the reputed compilar of the Vedas, Purinas, and several wther works, it is olwious that no historimal value can lue acioned to this gemeric name. The contents af dhe Hahahairata may he distingmished into the hraliner story amd the episodioal madter connected with it. The former is probally fommed on real events in the ohlest history of India, thonerl in the chic narmative it will he diftionlt to disentangle the reality form the firtion. The story eomprines the content uf the celelrated families called the Kama. vas and lamdavas, emline in the victory of the litter, and in the extablistment of their rule over the morthorn part of lulia. Kurn, a descendant of Bharata, had two soms, Dhritariohtra and Pimela. IHritamishtras sons, the Kituravas, were a humbed in nmmber: l'indu's, the Pamdaras, only five. Pandu having resigned his throne, Ihritarishtra, though blimb, asinmed the govermment, and ultimately divined his kinedion leetwern his soms and the sons of l'indu. The fommer, howerer, eoweting the territory allottel to the Pindn princes, andeavonded to grat pusse-sion of it. 1 fime of dice was the meanc hy whirh they bomm ower that amsins to relimpuisi their kinglom, prominins, lowever, to restore it to them if they pasome tworer vatrs in the formas, and a thirternth year in and dixemike ats torsapedetertion. 'I'his promise was fatithfally kepll ly the lombaves: bat when the temo of their
 to redarn their woral. A war ensited, abling in
 Thamat ind his brothers are pieturad an the $t y$, at at

 thon of sumbry leitios. Gut of the hamdredaml ten


 lankal with the man sory maty la distributal
 rative redatime to the andiont or mytheal hivary
 Sakmatali : as acomal is mome strictly motholngienl,
 didandie om demmatia it mefor to law, meligion, morals, and philmaphy, a in the lahamimalitita,
for instance. Diy means of thi- epindical matter, whicle at varions periods, ann oftem withont recemid (0) consisteney, was superadided to the original wheture of the work, the Mahahhamata wablually breamu a eoblertion of all that was neded to be Known ly an shatatml Iimbla; in fart, it becane the enevelopredia of India.

The text of the Mahabharata was puldioned in Calcutta in four quarto volumes ( $1 \times 34: 31$ ), another edition at Sombay in labis, and another, umber mative Homen auspices, at Calcutta in 18s: and succeding years. The French translation by Fanche ( 10 vols. 186:-70) is in complete: a complete Engli*h prose translation by Ihmdus, of which. up tu 1si0, io parts had apreared, was published and list momed, chiefly gratis, at Calcutta, under the auspicts of l'ratípachandra Lioy. Many pisoles, as the Bhagaval-Citit, have hown separately alited and translaterl. See Lassen's Alforfumskome: 11. H. W'ilson's works; Monier Williams, Indien Ejut
 bheirutu (186i7).

Mallitalevi ('the great god') is one of the usmal names hy which the Hindu gond s'iva is called. See Siris.

Mallánalí ('the great river'), a river of India, lises in the ('entral Prowinces, in $20^{2} 100^{\prime} \mathrm{N}$. lat., s: E. Jong. After an eastward eombe of 530 miles, 300 miles of which are navigable, laving divided into several hranches at or near the town of Cuttack, whiel, fomms the head of its delta, it thows east and south-east thromeh the district of that nime, aml falls by several monthe into the bay of Bencral. The ratchment hasin of the Mahanati is less than 44,000 sil. m., yet its maximmm dicharge in time of thood equals flat of the diangesl, som,000 calne feet per seenn-and exceeds that of the Mississippi. An elalmrate system of canals has been constructed to take advantage of this abmudimee.

Malnanoy' (ity. a mining town of Pennoy. vania, 104 miles ly rail NW. of l'hiadelphia, with a soore of colliciles and several mannfactories. 1'op. 7sl.
Maliairajalı. see Riadah.
Mallivansan. two celehrated works written in Paili, and relating to the history of Lanka, or Ceylon, from its rarliest period down to the reisn of Mahasena, who lied 30 A. A. The fint thirty eight chaphers were published in 1837 he ( 6 . Turnour : and there is an ulition of the whine in rati


Malnávía (literally, 'the sereat hero') is the 2ttl or last Jina, or deifiod saint, of the Jains (r.v.). His leqmbary history is wiven in the
 worke held in eltat anthority by the dians.
 (he wedl-thredod one'), the Mohammandan restorer of ald Chings. Thomph not mentionced in the lionan, her is said tu hatse brent promised ley Mbhammed to complete his work in filliner the worlal as fall of righteonsnems an it is of mingity. 'llur jileat is that of the Jewish and thristian Hesmah and of the
 mate the itea practioal. The tirst thee calife were
 risu amb murdar that paty grew in momber amb in dutemmation to roondise as lman or valif nome but Alit: leeirs. Mohammerl, at son of ili thomgh mat of f'atima, lat of the llanatite, bume monillinaly the manne of Malndi, atme doing in peate lie

 the Hmmiandes heranse these were umpritucipled men :mbl half hathan, lomanse they were their
 broken thomgh the divine bight of heredity. The

Abhasides who, descented from the prophet's. unde. expelled and hestrosed the Ummiantes hy aith of the shit were as muth the enemies of these as their predecesson had hern. Thesprenth shiite Inam was poisoned hy llaromn Alraschad the eifhth by his temprarily Shite shecessor Almamin: the minth, tenth, whenth followed the same path of martyrilom. The twelth, Dohammed ly name. diappeated ature captivity at the ate of twele year in 59. The shite inference is that he, the "hiden lmam,' will yet come as Mahdi to destroy the talse prophet aud. with the help of Jesus, to deotroy or comrert to Islam all mankind, and to put all wrongs right. Then will follow the resurrection and the final judgment. The native princes of Shlif: line who mastered the l'ersian throne in lins ealled themselves the lieutemants of the coming Mathi. From the lomatis (I.v.) in North Arima arove another Mabli. from whom sprang the Fatimile calif. The seventh of these was IIakim, one of fools incamations that had previonly been Ali. lle died, 'becane hidden,' In lowo and is expected her his sect the Druses. Anmer the Berbers of Boint Atlas in the beth ephtury arose another Mahti, by nane Mohammed iln Tumert, whoe dismipho anil successor Abhlmumin overran Norocon and -uplanted the Amo. ravide drnasty them and afterward in spain. Hence the Alnohall. ('I'nitarian') dynasty. The year lofto prolnced in Turker its Jewish Messiah, Sabmatai Zevi, and in consednence its kurdioh Mathlifor the suppresaion wi this Dejial, or false prophet. Both fell quietly into the miltan's hands. In 1793 another Mithdi arose in Egept, a cainst the French, innl fell in batile. In Dongula, towards ]s43, wa, bon Mohammed Ahmed. He was for a time in the Equptian civil service, hut diagreeing with the governor, he became a trader and a leasling wave-healer. Abont the prophetic age of forty he claimed to lie the Mandi. Gradnally at the Mahli's call-the Muslim equivalent for a rewhntionary spirit-the Eastem Soudan stirued itonlf arainet lispotian misme. In 1 as 3 he neized El- 'Ohwor, the chef city of Korlofan, and made it hiv eapial ; and on the 5 th November of that year the Eivytian army commanded by Hicks Pasha was anmibilated. It luss Khartoum was taken ly trachery, and deneral Gomon, whon Britain had sent tir paify the Soulan, was killel.
 The Khalifa thdulla shecteded him, but never wielded his power, ani his induence was destroymi by the British experdition to bomeola in $1590 ; \mathrm{mml}$ the disastrous defrats intlieted on him lye the sirdar Kitchener (afterwambloml kitehemer) at du"


 "ar lowion at Khartommo amh, after Fa-hoda, the whole Sile Valley came mater biti-h inthenee.
For tue roluellion, the defeat of llicks lasha, anll the




 Suros in the sumphu (trans. by Wingate, 1sthi); Bunott



Wathe the only Foweh settlement on the west



Mahi Killthat Iecolley a group of lifty two
 11.069 ar. in. nemly whe half holonge the the - ate

Malhmmil. see ternex, (inazai.

Mahogany, the woml of the Suift nize matheroni, it tree from sit to low fert high, belongime to the matural order Cedmacern, at native of the West Indies and of sonth Amerieq. The treerettains in immense size, ami its timher is wemerally somat Hhomghout in the larest thes. It in mont ahmant on the coast of Homburas and armand Campachy Bay. St Ibmingo and cuba yind a liner quality than that olitained from the imainlamb, whish is irequently eallas Fay Wool, tos distingul, it from
 varies muph in value, accorting to the cohour sum lusinty of curl: single logs haw onemomally realised as much as flome, for cutting intor mome, in which state it is very generally nord, it great wright and value nnfiting it for luting alwass employed solit. The first motice we have of mahoguy is in connection with the repairing of some of Sir Walter Raleighs ships in Trimidat in 1.07: hat the wool does not aphar to have heen earien to Britain till about the end of the 17 th century, when it was lironght from the west lndies as ballat ly a Captain Gibhons. The eaptain's brother wished to nee the timber for his house then in conse of ereetion, but the workmen declined to work it owing to its extreme handess. A portion was, however, given to one Whollaston, a cahinetmaker, of which to make a camplow for 1 mr Giibhons. When timished, the hox exhibited such rare beanty as to coteate much interest in society; anil lurean: mave by Wollaston soon extablished the rephation of mahogany for cabimet-work. The anmal imports into Britain ar ahout 40,000 mus, with a value of turot,um. The lark has a faint aromatic smell and a very astringent bitter taste, and in the comntries where the free grows is used as a meticine. As Muhoguny barh, or Ameronth Pherk, it has been empored as a substitute for Pemvian Dark. - East Inilia Mabogany is the timber of the liohnum Tree bsoymide formfuyet, and African Mahogany of the Kherge Senegutmsis, both of the onder cedrelacear.

## Mahomet. Sen Mrhimmer.

Mahon. See stanhefe, bonet Mahon.
Mahony. Fravicis, better known hy his famous pen-name. 'Pather Pront,' was born at Cork in 1804 , and educated for the prienthomi at a lexnit college in l'aris, and suberpently in lome. where he remained for two sare imi received orlmation. He taurht in a Josuit college, wats Mrplain to a Cink hoppital, hat reaved to peprese the clorical calling amont $18: 4$, and fomm the
 which were repmblined mater the tithe of Sitliques of Fiether Prout in latik. He contributed alon to




 yeats of his lif. he liwel in laris, athl was rome. owndent the filobe new-pand till hiverath. Nay
 atich fand of whial hamma. Amid all the eon-

 the hivhtum of hi-wit. 'Ilic fon is eromtally Inish fampinh, phaym, ahb, irraglar, ami more qumevple than mothorin fon. In me of his won
 salt, and oldision lax no pulyy for the expui-
 anin The Lataly oi lace A whme of final
 by Mr biamehat dermeld: and there is at adition ul hiv works, with a Life, hy Charles Kent ( 1 sas 1).

Mahonnd, a cormpt maty western opelling of

Malarattas (Murcithes, or Morhatas), a people of mived mirin, llindus in religion and easte orolinantw, infabiting WVestern and Contral Tndia, from the satpara Mountains to Nagpur. The Mahratta Brahmana rlaim to be Rajputs; the holk of the prople are Sulras, ind probally of abmiginal blowl mamb. They are tirnt mentinmed in history ahont the middle of the 17 th eentury, when they possesemp a narrow strip of toritury on the west sida uf the peninwila. The fommler of the Mabratta power was Sisaji, a forbmoter or adventmer, whose father, Shahji bhomsla, was an ollicer in the serviou of the last kinir of Bijapur. By bolity or by fored
 molependent linilu chiefs to acknowleame him ats their loador, and with the latue amy then at his command werran and sulnded a large portion of the emperor of belhis toritory. His som and (1680) suceessor, Sambaji, after visorons? fullowfur out his fathers policy, was taken primpley by Larmazalme in 1689 , amp put to death. Ilis son, a prisumer, rionned his rule to his minister, with the litle of I'shivi; the dewembants of Sivaji heneeforwad reigned wer hat did not govern sattarat (see lxima, f. lls). Cnder the fourth hereditary Deshwi there were dive Mahratta states, more or hosis powerful and indepondent : that of the l'eshwa at Poona: that of the l?honslas at Nasfur: (iwadior, ruleal hy Sindhia: Indore, by Hobkar: and Paroda, by the Ginicuwar. The invasion of the Delhi empire by Nulir Shah athorded these widd and warlike monntancers an "prortumity, of which they easerly arailal themselves, to wrest alditional territary from the feeble grasp of the Dosul emperor. From this time they discharged the oflice of arhiters in the quarels botween the emperor, his vizier, and his reluellions subjects ; but the friohtful defeat (.Janmary 1761) they sustained at the hands of Ahmed Shah Durimi, the ruler of Afghanistan, on the lield of Pinipat, where they lost 50,000 mon, and all their ehipfo except Holkar, weakened thar irower for a time. 'lhey still, however, comthand to he has hired merconaries of the Dethi emperor, till the growing intlnence of the Sritish campelled them to look to their own safety. Aftur many long aml homly contests with the lbitish amb their athes (1750), 1803, 1817-18), in which sometimes the whole, but more frequently a portion of the Mahrattas joined, they were one by one, with the exeeption of Sindhia, reduced to a state of dependoneo. This last-mentioned ehief, having micad a powerful amy, oflicered by Frenchman, and diseiplined after the Eampean method, -ontinned the amtest for a number of vears, fill his powar was limally broken in 1543 . The dignity of l'eshwat wats abolinhed in 1818 , and his territories ware onempited hy the British. The Nahratias are :hmost all now in british or Mohammod:n states ; in the states eallod llahratta states ( (iwalior, Indare, biromla; see I.voli, p. 110 ) maly the prince and his relatives are Nathrattios, the people beines of other storks. See Grant-Dall": History of the


## Daliwatrace. Seo boroter-TREE.

 s.labler, wat burn in the village of sohilpario, in Lombardy, Warth $7,17 \times 2$. Ne was ehtuated amd lival till lsos in lesuit establidmments, nexi was
 of the Ambrosian library there llere he alevoted himseli to palamgaphy, ame faring the next siv yeats discovered it series of long-lost works, many from palimpisists. Among these were frimthente of some of ('icero's Oretions: of l'lantirs, epectally of the Violuherie, a lost pay; of hittos
of Fronto, the preceptor of Mareus Aurelius; of Iseus, Themistius, Dionssins of Haliearnassus, l'hilo, Porplorios, and the chroniom of Easelins. All these, however, were pelipsed by his well. known edition and restomtion of the lie lipublira of ( $14+0$ ( 1822 ). Neanwhile Nai hat heen invited to Fonme by l'ins VII., and named to the elarge of the Vatican Library. Ifrat once turned his attention to the madited MSS. of the Vatican, and mulertook the task of publishing those among thom which had been nemlected by carlier editors; aul althonch apmointed in $1533^{\circ}$ to tho onerous oflee of secretary of the l'ropaganda, and in 1838 to the cardinalate itself, he fomm time to superintend a sories of pmblications almost unexampled in extent and impurance in modern tinms. lis hirst series was in ten quarto vols., entitled s.riguor"m Veterum Nourn Collertio, e Vetiewmis (odicibus colite ( $1525-38$ ). It consists, like the mreat collections of Mabillon, Montfancon, Whelmery, and others, of miscellaneons mpmblished fircek and Latin works, partly saced, partly pofane, eomprising an entire volmme of palimpest fragments of the Greek historians, Polyhins, Wiodorns, Dion, bionysius, and others. The sneceedins eollections, Chasion atm Auctornm Collectio, e I whicamis Codicibus celite ( 10 vols. $1825-38$ ), Spiriligium Rometume ( 10 vols. $1839-44$ ), and Jetrum Nom Sibliothece ( 6 vols. $1845-53$ ), are all on the same phan, and all equally replete with new and interesting materials. For many years Cardimal Mai was engaged in prepraring an edition of the celolnated Conlex Juticanus, but long postponed its publieation with the intention of prparing preliminary dissertations. But death owrotook him mexpectedly near Allano, September 9,1854 ; and the edition was ultimately puldislied without these ( 5 vols. 1858 ). This work was far trom being entirely satisfactory, and has since leen supersederl by the edition of Verceblone and Cozat (1s6s). C'ndinal Mai's library was lequeatbed, at hall its estimated value, to the Vatican, for the crood of the poor of his native villare.

## Maidell. The. See GuthlotiNe.

Maidenhilir (Adiuthme Cupillus-louris), a smali, delieate, and gracefal fern, with hipinnite fromds, alternate obosate and wedqe-shaped memhamacembs pinnules on tapillary stalks, and margrinal wori hidilen lone:ath whong imeloviet; mowing


 so:i: rare in liritain, bat very ahmalant in the smath of limope, where it covers the inside of wells and the hasins of fommatas (as at Vanchase) with a $1: 1$ pestry of the moi- A-licite green. Another
-pecies of the same monns. A. midutum, a mative of North Amorica, wiblaphete leaves, las a sweet, frisuant ront-stock, of which capillaire (q.v.) is made. It is supposed that the name mailendair orisinated in the nse of a mucilate made from this fern by women for stilleminer their hair. 'linis name is sometimes apyli.el also to somm sperdes of spleenwort (Aupleninm), asa A. chliontnm nigrmm and 1. trichomares. It is also applied to the ddiantum family generally, of which there are many ineotes and varieties. That most common of all and hest known popmarly is at. "omeretum, a liazilian species, whieh is mneh enltivated hy llorists.

Maidenliead, a monicipal lmomesh :me mar-ket-town of berkshire, with a population (1891) of

 the right bank of the Thames, ower which are two hridere, one of stome, built 172 at a cost of E 20.000 .
 way (Jescrimal Vol. 11. 1r. 439 . With the excep. tion of a recreationaromm of 19 acres. opened 1890 . thore is little of interest in tho town, which in 1309 was the setne of an engarement butween the
 Itit, at the firorhmmb Inn, of the interview of Chales I. with his chiddren. On the opposite, or Bucks, sile of the river is Taplow (pops. 1063), whose wooded slopes are crownol ly Gliveden' prom alcove. The preaent honse bitecomy from 15.51: two previom mansions-in the earlier of which Thomson. whilst on a risit to the father of Georen 11 I . probably composen linle Jivitamia - having been destroyed hy tive in 179.5 and $1 s 49$.

Waidment. JAMEs, Sonttish antirparian and literary collector, was born in lomion in 1794 , being descencled on his mother's vile from Jan van Ollen Barnevelalt. the Dutch patriot. Ile was educated at the Hirh School and university of Edinburef, and was called to the Soottish bar in 1817 . Jhe became almost the greateat anthority in Scotiand on renealocical law cases, and took it prominent part in the Mar peernge case and other. He died in Edinhmorh. 2th Octolier 1579. The passion of his life was the collection of litemary rarities, often not of a very choice character. Jis most amhitions poldication was The Intmutists of the lestorution ( 14 vols. $1522-75$ ), edited with $\mathrm{N}^{2} . \mathrm{H}$. Jogan; besiles this he edited. I Jomth Gomtrio riciclamel. a Cullertion of Ancirut Bullods (1s24: new ed. 1S54): Soettish Pusquils or Lamyooms (152-2S; new od. IN6S); Sew Im, he of Old
 "end Songs (1509 and lsi队): Perlat uf Pestilent Prasuluils (1869): ith ilcenmit of the Bemmetyme Club; and several hivtorical, antiquarian, amb cremealogical worka.

## Maides of Honomir. sue llotsematis.

Mandstone the enmoly :thl assime town of Kent, is seated on the rieht bank of the Jedway, 34 miles ECE uf London hy roul ( $41 \frac{1}{2}$ ly rail), and g. $V^{*}$. of ciantorbury. At its weot critrance, worlooking the river, which is botmmed by a there.
 stand the pieturesple bemaine of . Nll sainte" ('ollowe (of which Wibliam (irowy was once llat-tor).
 Erime traveline to (antorbmry, amb, like all other institutions of the samb kinil. supmenend in the
 Gharch, a fime exampla of the lerpembenlar style,


 and a dine oratan (lsso). liomen the tower, is feet hirh, formurly rows a spire of $9 t$ ferct. which

of this, the principal of Waidstone sen elurehes are schools of art amd masic, wethping a former palace of the arehbishops of fiantrulbiry : and other featmes of introses comprise a erammat-school, at


 Honse, wheis toos are the hambuartms of thes Kent Arehaobogical society: tuwn-hall (1-64): comaty sact (1812-19), built of kentish ras-stome. ohtaincd from atjacent prartios: hompital (ls.32 s0): cavalry and militia lauracks; com exchanew (1s:on): ophthamic hospital (1s.i-69): and a puldic park on Penember Death to the NE. of the town, where fommely wan firld the romety Bertions aml other seat mosting Lining the river banks are nomeroms papromills and a latrer ail-mill, whilst several brewerims are in operation. and an importand traflic is carried on in lons. Natidosone raturned two memlars to parliament till 1ssi. when the mmmbor was redmeed to ore, and was lirst inemperatel as a monicipal lowomat in Jiss: it aives the inferior title of viscomint to the Earl of Winchedora. Pour (1800) soge: (1881) 15,357: (1851) 29.62: : (1s91) 32.145. 'T14 history of the town is looume uj) with that at Kent (1. \%). the only special incidents identified with Datsone leemir its stombing in 1644 her Fairfan, when garrisomed by a rovalist force, whid only -urrendered after a desperate resistance. WiosiFoft the engraver, Haglitt the anyist, and New. man Hall were matives: aml sir Thomas Wyatt the port, and his som, the rebel, lived at Alhingon Cantle, "- mile dintant. Ihere wan a temble vivitation of typhoil fever in Septembor and Wetobel $18!\%$, due-as was proved-to defective amp pollntal water-wuply.

Sce works hy J. M. Russell (18s1) and Rev. J. GaveBrowne (18s 9 !.

Maicree (Somone uquilu), a tivh of the acanthopterous family Scianidic common in the Mediter ranean hot rare on Britinh shores. it is nsilully 3 feet, sometimes 6 feet long. It resembles a larue hasse and is exallent for the table.

Mail. Ser Ammorra, Jost mffate.
Milldint, the hew of an incient Jrish momance, first translated hy Dr. Joyee in lis Ammint "ither Rommeses ( 1579 ), and supposed hy him to be the podnet of a rich and visid imasination, wombing
 sth centurs. The sory fomm ond oit the fomr extant Imrome of voluntary sea-edpeditions, of which the. most fimons is the fith-centmer vosase of St Smendan; amb it has heen madr familiar to all raddor in the splombid verse of 'Tomyoon. Haildnn wa-
 of Nims. in the noth-wost of commty clave imel hefore his liath hiv father was hilled hy a hatel of
 pli-hed. hut had cearer reached manhand ham" he set and in a triple-hide (arrater with a cew of sixty men to lind hix fathares momiored. For thome rears and arem monthe he voyadel on the wetran
 Il: visital inlomal of mometrons ants, of limmi-
 thase whidel thm themselven romme insile their
 of worpings of intoxicatiner wine frats, of the mutio lahe, of the homine riws. wither ratal
 womilar ware the domon harerame, the palaw of
 arm in the air, and the silver pillar of the sari. At lometh llatilun foumb the marderor of hiv father,
 merey of lion in haviner delivered hina-lif inm so mans lanarus.

Maillalla, an L'zher state tribntary to Afshan istan, and virtuatly a prowinee of that cometry situated on the northern frontier next linmian Turkestin! it has an area of alumt trion sin. 1m.. and a prop of low, wow. motly warlike lahere ami Tajik-. The emontry is montainms. The capital is Manami, sit: of Balkh, es miles from the fromior. Provion to the seizure of the fates the Itghate, in lsta, it wat a comiderable thwn.
 in horses, carpet, and dried frait.

Maimansingli, a diotriot of the bemeal divisom of bicea, the eapital of which is Nanimbal.
Mainaltelin, a lhimenp tradins- town on the mothern hombary of Dumghia, "19mite Kiachta (4. v.), from which it is seprated ly a narmw strip,


Maimbonlog, Lats ( $1610-86$ ), a French Janait Whureh liiturian. wat expelled in 1685 from the onber for hix defence of Cadicanish, hat lamame a finnimer of Lomi XIS. He wrote histmies of Wy.difism, Lutheranism. Calsinism, and of the prempatives of the Church of lome.

Mamon, Nhom shatospher, was lom of Mowish parento alont late in a villare on the Siman, ntar Mir, in the weat of what is now the Rum-ian : whermment of Minsk. Him mind was tratued in the etudy of the Talman, and he gratified for a rablai. liut pomesing a buminer desire for truth, amd havinu become acquanted with the milowophy of Mamonilen, he made his way to Lorlin, and studied motern philosophy, lansuagen, ath some serence. A child of niture, with the strme, sultle intellet of the lom philompher; shy, eccentric, dirty, and ummethodical: improviHent, intemprate, and wholy irregular in his halits, Mamon lod a vagabomd lite, battlines aganst chronie porarty, and always mepembent umon his frients fur the hare necessaries of existence: Bexides cultivatmur his own mind, amd teabhine a little, he never did any wark, pseept write some philomphical treatives and literary hachwork. dome anywhere and at any time, bumbly in puor taverns. let this rasped philuwher hat
 wats admired be kant, and at rated the attention of (incthe: This arom fortme le owed the his

 Went Kiants In truth gheaned for the mont part
 He lio.el in the house of lannt Kalkenth, his lant
 Socmatne 1sяи.

See his very interating Autohomemen (1292: Eny.



Habmonides, the name ley which "hristime numerally how the wreat Jewish teacher hablit
 Work in called hy the dew lathbith. He wan horn at Codeva, Mareh : an. llas. and recejed hiw



 Tuber the Amontade hin family had tor romion

 phavinin to the rimaner onttan, Salatin. It


 that luc has not mijnaly lman planoul ancond to How.. the ereat lawiwer, himstl. He time of all


derinums to which they hal given riee, which, withont the remotest attempt at system or methom. Lie mattered up and down the work of llaggada and Halitelia-Midrash, Mi-huah, 'Tahmuls. Imbued with the - pirit of luchl (iserk orequlation. and the logial thomght of the Arahic Propatetio, Maimanides, aided ly an enombors linam ledige, becane the fommer of rational seripture exasom. The
 aphor he endeavoured to expiain lig the light of reasm, with which, as the highet ilivine git in man, nothine really divine could amol in real con-
 always tracealle to their immadiate canow, yot (ammot be wrobht in "lmostim to the phrseal and everlating law in nature. Where literal interpretation reems to jar unen the ferlings of rewratial awe towards the llighest beman, there an allempical explamation is to le adopel unheritatinsly. So to the philosephieal s.tam of hamonintes. we ean havely hint at it close similarity with that of Averves. Jammandes fully allows the freedom of will, and hath that providence reigns in a hrom manner over humanity; but he utterly denies the working of prowidence in the single event that lefall the imbinhual. who, sulijut alove all to the great physical laws, must learn to moderstand and whey them. The conl, and the soml only, is immital, amd the
 worlf to come: while the pmi-lment of viee is the - Ira of the -oml."

Maimoniles first work of paramonnt importance i- hio Aralic commentary of the Mishath, which forms an extomive histurical introninction to Tame. tom, or the Gral Law : and this introunction, translated into Hehew, has now for more than five humbed vears been leemed so essmbial a part of the Talmal itself that mo elition of the latter is consilered cmplete without it. This was followed by the siffer Hetmmizutho or book of the l'reectho. in Arahic, which contains an ennmeration of the 613 trandional law of the thalacha; thor text was dirat +ilitell lis M. Bhoch (1aris, lsss). This luok is to be comsidered chiefly an an introdnetion the the gigatie work which followed in llso, mater the title of Mishae Tomete ('Sermal Law'), wr Jent
 in $\ln ^{2}$ chapfers. embracing the entire Malacha. The mannit of his renewn. howerer, Maimonides membed in his grand Arahic wonk, Pleleth AlMurim (trandated into Hobrew hy he Tibmon as
 aphimal experis, which, while mon the one hamb it has contributed more than any other work to the progrese of rational ilevelopurnt in Jutainus. lase on the other hamd ako hatome the arema for a hong and hitter tight betwoen orthomsy and
 amb the 'literal 'rahmolistic achools. Uhamately
 and Bhammilice mame berame the pride and shory of the race : and an gaty in the 13 th cen-

 wrimp, the wxthwore ever of buropean uni.




Wain. a tiver of (armany, the lirgen atlluent


 Bavaria. Phe White Main rions in the Finhtel.

 warts by hage rigage past Bamberg, Shweinfurt,


Frankfort, amb mingles its yellow waters with the grean enrent of the Rhine oposite Mainz, after a total conure of 305 miles, the last 20.5 of whel are navicahle. The chief attluenta are, on the right, the Satale, and on the left, the Resmitz. The Main thows through a heantiful comatr, the hill-wopes generally covered with vinevarls and shmonted hes catles. Its waters commonicate with those of the Danube hy means of the Ladwior-Kanal and the Altmihl. The Dlain livide pulitically North Germany from tomth Germany:

Maine, an oh province of France, haviug Somanty on the nurth. Inittany on the west, and Anjon on the south, correspondes to the molern ilepartment- of Sarthe and Mayenne. Its chief town was Le Mans.

Mainc. the north-eastemmost state of the Amerian Cnion, is bommed N. by the Canadian provinces of Quelee and Yew colprith man thes Branwick, F. Be New Branswick, liy J. e Luppanct SandsE be the Atlantic Geean comans.
(Ginli wi Mane). W. by New Hamphive, and NW. he the province of Quebec. Area, $3: 040$ :rg. m.. of which one-tenth is water, there being many lare and tine lakes (Mooseheal, Chesunconk, schomble, dirand, Selaso. de.) and important rivers (Penohear, Kemebec. Androscogein, sito, st crois, Arom-took, and Walloostook or St John). It i- thus somewhat larger than Irelaml. Measare, in a lirect line the coast extemls nome 2.0 Enoli-h statute miles, but if its simmsities and the mutlins island-shores were measnred it is entimated that the whole would lee extended to about 2.90 miles. When the poet Whittier speaks alout 'lmmitel-harhmored Mane,' he searcely exaggerates, for the rocky coat line, broken ly force of the waves anil trenched in former geologieal times ley glaciers, forms aluost that number of anchorages, some of them highly important for their commeree, and others servinis a harlours of reinge. Towam- the south-west the hore is samls, and there are salt mar-hes, problacing much come hay. The surface is uneven, and in the north-entral resims and the west it is even mountainons. The scenery at some points (as on lomint l)emet Wand, on some of the lakes, and in the recion near Cambent is very pirturesque. The highest montain is Katalulin (0.3s.o feet). The soil is mostly thay and harl, as in New Encland generally, lont sume seatims are very fertile - the Aronstmok rosisn in the morth-ean for the most part expert. insly so: The morthern portion of the state is ancred in great part with a dense forest, and ith promation i- very prave.
The genhorical feathes are complex, but a great promertion of the stratia hows metamorphir trame. The arface in mercwhre scored with perlintoric chacior and drift ice. Gante is wery extenaively gnarrien, and presents many handsome variotiox Livellent lime is lately prombed. Traces of wal

 tate i- riol in rate minerals. Manr ilar-minus





 'uhe fandand, - late the latter in wat mantition



 ri. It in the rate metal corm. in !atally fomb in
 hipped in large pamation.

The cool climate and the oppormitio for finhins and shonting mak" this state a favmite regiom ion summer reant. The winter climate is severe for the latitude : the winters are lame and the smow deep Ice, wheh is harmad erpecially on the liennehec is an important commontity for export. The leading crops are hos. potanco, apples (ois excellent pradity, and the ordinary grans and small frnits. The sweet varietio of maize ( sharar (oom) are extensively cultivatin, and an" -nld largely in tins and gians for winter cmonntion ; this is a prominent industry in ande aretions. The rainfal is comons. The rivere of lanm athod an enorums water-pwer, only a relatisely small part of which is at prevent utilised. Foriot product. (timher, tan-bark, 太心.) are extensively colt. Navigation is faroured by the mmerons inlet: and the large navigahle streams, and railway communication is fairly develogel. Timber, Imildingrone, ice, cattle, wool, and iam products are sipped. Maine has considerable shiphuilding (more that any other state), and the coasting trade is carried on largely. The fishing internts are extemsive mackercl, loheters, heming. sarlines ' (here mostly small heming, fish-ail, and fish-gnamore the staple products of the tisheries. The principal mantacthring industrite of the state are the making of cotton and woollen gurds. leather, boots and shere, flomr, paper, and fonnlry prodnets, the sawing and phaning of lumber, shiplaibling, the caming of ruit and lobsters, de.

Daine contains sixteen comnties, and returns fotr members to conges. The chief towns are Portland. the larget city and principal seaport : bangor, on the navigahle river l'enolscot: Lawistom, the seat of extensive eotton mannfactures; Aususta, the state capital: lath, moted for its shiphuilding: Autma, Belfant, Kackaml, Bialdeford, Saco, Brmswick, Brewer, Eantport, (Bather, Hallowell, Watenville, se. Edneation is genemal and on the whole progressive. There are colloweof repute at Drmowick. Watewille, Lewistm, aml Orons, the last a state institution. The Daine Lingor Law, one of the carlient of the stringent
 enacted in issis. The population is mainly of the English I'uritan stock of Sew linglaml. There is a large element of Frenth-apeaking Cimarlian immicrants, and in the extrme numbli thre is a considerable hody of Aeadian Frendi who have occuried for nearly 160 years a fortile remion on the river St dohn. Latterly there has limen an inllux of Irish, Swedinh, and Geman withers. An wh deman colnay near the cosas hationemme completely Americanived. 'There are a fow hations, loft in the state : lat the Sirian elform is sery



History,-The early Dutwh arttlememts did not
 mont- hare an rarly an lant. bat with moneron.

 colomiatime on the coast were peredily ahamomed. lbistol ir l'enapuid was attled in thas, and hat




 Ha3i the neotem pan ni Mane rowind the title if the lrovine af bata. and from lain tol bell it




 with (irnat lintain atw to the nertholl and cantron
bummery was settled in 1842 hes rompromine. Latturly the depletion of the pine forests and at large emimration to the Whest have checked the material progress of Maine, hat its healihfol elimate and its natural resources ensure to the state a prosperour futare. See ti. I. Varnoy. birif llistory of LICeive (Portland, lase).

Maine. Sif: Hexry James Siguta, wat hom in lsoz. aml had his education at 1 'hrist' s !laspital ami Pamboke College, Combrinat where his curcer was mumadly brilliant. ITe carriof oft the (raven selolarship amb other miversity prizes, and wadnated in lsti as senior rlasic and Chancellors classical madillist, as well as a senior optime in mathematios. soom after he was electod follow indi tutor of Trinity Jlall, and in 1847, at thease of twenty-five, was appointed revias professor of tivil law, which oflice he vacatod in 185t to herome Lember andurispmalence at the Miblle Templas Ho W:L called to the har in 18.on, and went to holia in Lsioz ar Liw Dember of the Comencil in India-an wfiore held hy Macanlay, and in which he himself Whe - hocerdid in December 1 sog by Sir lames lity joumes stephen. In $18: 0$ he was appointed to fill the mew chair of Comparative Thrispratence at Wrorl, and next year to a seat in the Commil of the Secretary of state for India, on which necasime he was rreated k.('.S.l. . It the elose of 1875 he Was nocted Master of Trinity llall at Canluidere and in lssa also Whewell profeswor of International Law. Ihut his health was abremly moken, and on Fobraty 3, 18ss, he died of apoplexy at Cannes. Haime drae smme wise reforms to latian law, but it is loy his work on the origin and wrowth of Itral and surial institutions that his mane will he hest remembred. IIfa lumks were farime Lrur (1861), one of the most important and inthential works of its time: Villugf ('ommmuities in the Erest aml IIest (1871); The Entrly Mistory of Institutions (1575): Eally Leme aind Custam (1853): am@ Popmlar (rocirmment (1855). One fumlammont inlea of Sir llomy Maines was to make patemal of patriarchal powor the term from which society developerl. This view wia stronely controverted
 answer was marked ly equal leaming and far freater lneidity and grace of exposition. See the Drmoir Ly Sir'M. E. (irant I)utl (1892).
Maine-et-Loire a department of France, formed ont of the ohd provinee of Anjon, aml
watered loy the rivers whose names it hears, is waterod loy the rivers whose nams it heas, is (Holvt, Sanmur, amp Seme. Area, 2749 sif. wh.
 The soil is fertile, and prombees excellent com amil wine, with hemp, linseed, fruit, and srean crops. Slate quarriss and coal-mines are worked: and there are mille for cotton, woulen, anil linem mamofuctumes. ('apital, Angers.

Maimotes. the imbahitants of themonntamons funimsilat of Haina, that lise hetween the sulis of Koron and Marathonisi in the extreme sonth of tirece. I'her clatm to be the leseembant of the


 implamalif foese of the l'urks. They took a promis. nent part in the war for the liburation of freeme
 their dosemblantes still survion at ('armese in that ivami. Amonat the mingants ware some leating




 wat bom llaru.

Mainpriri, capital of at listrict in the Northwostem I'rovinces of Iudia, 7.5 miles E. of Agra $I^{\prime} 01$. ( 1881 ) $20,236$.

Ninintenance is a law tem commonly used to memote an illecal succourine of a purson, as by lambing money to a stranger in darriner on law. suits. Contracts are sometimes held to be illegal
 got six monthes inaprimomment with a line of $x: y 00$ for mantenance and barratry (q.v.).

Waintenance. Cap OF, sometimes ealled Cap of lignit!! a ceap of crimson velvet lined with cmane, with two points turned to the hark, miginally mly wom ly mbes. lint afterwards assigned to varions families of clistimotion. Thone families who are entithed to a cal, of maintenance place their rrests on it instead of on a wroith. See II Eradmpry,


Cap of Maintenance. 1. 667.

Maintenon, Fravcorse didtrané, Narutise le, famous for her connection with lomis AM', was the danghter of Constant A Anhigue, the worthless son of the famms Huguenot. Theothome deripla d'Abigne, and was bom in the Hi*m at Niort, Novemher 27,1635 . When fomm vars old she was carried to Martinigue in the Wrest Indies, whence she returned after her fathers death in litis to Firance. Iter comversion to the Limman Catholic religion was ellected not withont dillioulty, and on her mother's death she found herself at lifteen roluced to alsolute pemmry. Soon after this she lecame aequainted with lise kimdharted pret Scarm, who ollered either to marry her himself or to pay the money reynited for her entranee into a munnery. Althongh Searmon was lame and deformed, she chase to marry him, and for mine years lived contentedily in the midst of the intellectual society which frequented the lomuse of the poet. On his death ( 1660 ) she was again rembeed to great poverty; but Anme of Anstria rontinned and increased her hashandis pension. (Hn her death (1666) it was discontinned, and she Was abont to go as a govermess to Portural, When Matame de Montespan oltained for her the rontimumer of ber pension. In 1669 she wats qiven thar charge of the kinges two sons hy Mandane de Ammownan, amb in this capacity displiywl a patient tominomes and sleepless catro that mu mother could hive surpassod. liy 16ist she hat mado sulliciont money to lony the estate of Mantenom, and fonr vars later hat it mate a marquisate by the ling. Whe han now completely establishal har ascendan? wor the heart of Jonis, who made her in liset seronul laly in-watiner to the dimphiness. The quorn dind in lasis, an! Nadame dis Maintenon, who had broone first lady-in-wating to the damphimes tha rear before married the ling brivately in the winter of ifis. Ita morals were -rome for lor heart was werer other than cold, and she knew that the luest earals for lier same were propriety, orthomosy, and the chmed. Har maral inthence war the conat wonh have bern groater had she fillad a more reeornised maition. Hor folitial inflanere was mpreme in all but the more important questions of polices and the lavinhed har patromace nom persoms devoted to harevif. She was a liheral patroness of lottera, and, while she had a high reputation for orthotoxy. lad too mumb hamanity forprow of the datest-


 fur fuor erirls of arom family she had mablished at

Arrand for which she lathmed with the mont ceaselens eare．Hither the retirell whon the hing dited in 1：15，and here she died．April 15． $1: 10$.
 hut her delightinl ：and aduimble lothers（9 wol． 1－ant are qenuine．bis for the lasot olitions are be T．Lavallée（ 1854 －i6）ami M．Culliog（2 wols． ぶい。。

See the lowos hy Mownac Suaril（isio），Lafont
 also Therphle Lavalle．ex Hotere it at cy，and its review in rol．wit，of sambeljenves emperits du



Mainz（Mownet．an imprial（emman fortess of the tirat rank，and the mat of a lanam rathonis biviogh in the gramb duhy of Hese，is sitnated on
 of the Man，$\because=2$ mila Wsw，of Frankort．Tho
 ing in latis the former pontom bridge）to the villaze of katub，indmbel in the furtitications． amd hy an iron railway bidge， 140 yarin lome to the pirt of（instawhers，at the mouth of the Main．
 thimh are loman Gatholics ：in the lith century it is sail th have reachen 90.000 ．Name is one of the mont ancient citiox in Cemmany ：lont its whest patt．known as Konfruh，hats been retbilt in at modern atyle since its almont total destruction in 185：by the exploxion of a powder－masazine：while a latnismue new quarter hat prung nfon the north． in the－pare afforled hy the alvancine of the forti－ thations in sit．The cathermal，orisimally limit
 in it－bront form from the $13-1$ fit century．In 15．0－s it wa－thoronglily re－tored，and the present central Lomanerphe tower， 2,0 feet high，luilt． It las five lesser towers，forteen altars，anl nine miner chapels，and is abomed in the interime with
 monern phbic buininge，the eity contains the polace of the sramduhe originally a lontan of the
 lathentors，an aremal of 1 ：3is，and the laree red sumbthate electoral babere，in which are lepmited



 purtant eantre of the libine trade with lioldandand

 molustry．blahmate new harbmewno incluting


 Ho－ix，ath the manimenter of the town are the
 machinery，watical in－trumemt，chembats，fohd amb silwar ware hats，somp，de，atw among the mandacturn：and brewne，printine，and matket． garming in the．environs ate also impertant in Thatro．The hivery of latime comberts it with


 maine the mont remakblate are the Eimelstom，at

 ratimpartane of the town hate，howeser，from
 Same wat the ham of the confelorang of the Rhemill rition，hat in 1 thes it was aldent the the



 asioned in listit．Il


 1500 it was herhated an inpmaial fortres．Mains


 reloneder（1ssia）．

## Maisont dracer，Siee Nistis．


 ianily whith had setted in sawo．Whik raves
 who wat a member af the senate，withorew from the comatry ；and when the king of sardinia re treated th the island of riodinia，he accompaniol his court．In 18018 he was sent is－ambas：ador to si Peter－imer，am here he remaned until $1 \times 1 /$ ， When le was recabled to aropy a pace in the home． sovemmont．Thereater he lived in Turin till his death，Fehruars ay，lisl．De Mantre wals ：an arlent ultramontane anm argut with an incisive force of how and billancy of rhetoric more ofton arowiated with the opmite side．He maintamed the jugne in the source ant centre of all carthly anthnity，and an ordered thenerats ats the only photection from morial and relighomather If： In an manally stmon and atealy thinker，dind has a remarkathe faculty of furcing plain argment fonaral to an irresistile conchim．We is pros．
 much more eavily demmed than answere．Hi first work was（imside mutions＇s sur le Forene（1：90）， an able defence of Lemitimint viow，and matameth in the phelasophes of the，1ath century In st















Xivel：In：Mustat：，hiv somerer hothers．
 finn an carly age wrin in the satimian arm？ It，－hamed hi hanther＇s fulition amb atio．



 the dumaty of l＇amont．He prat vinit．to Naplos

 rememberb fur a fow hediohtully fren and un－
 －howing that bate mantery of the marrative art




 mish has．han writton hes atambon steme．






earliest brok. He llaistre's (Eurbes appeared at laris in lwo.g (new elition, 3 vols. lssl). Nee Jiey: Faricr de Maciotre (1s65).

Mintland, a town of New Sonth Wrales, on the Inumer Siver, 93 miles NNE. of Svoney by rail, and 20 NW, of Neweastle. It is divided hy the river into East and West Maitland. whid $\mathrm{l}_{1}$ ore neparate monicipalities. The town is the sore of a Loman Catholic hishop. In oither divisom abe handsome lanks, churehes, and other pmblis hailal ings. In Wrest Naitlaml (much the more j"pmons part) are several mills, comblmililing, talucoo, and loont factories. (amml coal alommos in the neighbomphool. I'up. of louth divisioms. 7300 .

Waitland, the name of a seottish family, eelemated in both the literary and political hintory of their country. The tirnt who acopured distinction was sife licihand DIMTLANH of Lethinerton, son of William Naithand of Lethington and Thirlstane, who foll at Flomben, aml of Martha, danohter of Georen, Land Netom. Ho was hom in 1496 , stmdierl
 scotland was succesoty emphyed loy danmex V., the liesent Arran, and Ilary of Larraine. Almmt list is he received the honomr of knighthoml, las:ame a lord of the court of sescom in lint (hefore which, however, he hat the mianortume to lose
 20th Marel lise, at the age of ninety Matland Was one uf the leent men of his time. In an asge of violence, fanaticiom, and pertidy, he was homonrahly conspicmons hy his moneration, interrity, and anxiety for the estalli-hment wi law and ordor. Ht, merits comsideration not only as an eminent and uprisht lawser, hont as a post, a perical antiptiars, and a hiotorian. All his own vermes wore Writton after his sivtioth year, amd show what thims he hal mont leomly at heart. For the most part thes consist of lamputatioms for the diotraded tate of his native commery, the fame of tha mothes, lie disemotente of the fommom frophe. monplaints. "aganis the lame pooce in the comets of justiox.
 Knos, in hiv Mister!! of the Irefermotion, sils ot him that he was 'wervivile, alloit mot permaderl
 urisinal prems was tire published in 1830 by the
 collection of carly sootlish guretry was a work mometaken, if mot combleted, lofore his blimbues

 they are how preworel in the ropsian library,










 thomen his name dow mon mome in any lin of the

 Nsons, who wis mot frimedy to him, deneribus him

 ponk the - ila of the party of ratorn in roligion : hat all thomelt lite har wat the pmliti-ian tir- ami





in the councils of his new allies. In Aninust 1560 he acted as speaker in the Convention of Estates, and the same year was sent to the Enslish conrt to reperent the interests of the Protestants. On the arrival of Mary in hor kinglom in dugust L.761, Maitland assoedated himself with the gueen's hrother, afterwarls the Regent Moray, in opmosing what they deomed the extrome propmonls of Kinox. To liary he at lirst mate himsulf one of her most useful servants, and more than once represented her at the comet of Elizabeth, where he proved limmelf a mateln even for the latters atstate mini-ter Sir William Ceril. Ilis importance in Sobtish aflairs is proved hy the prominent place he hoshls in Jinox's Sistoril of the Iofermution, some of whome mont interenting bages are deroted to his disenssions with Leilinerton. Jy his eonnivance at the muruler of lizeio (ling6) he marle Mary his rmomy, thongh he agath berame her advi-er on thar return of Jlamer after his temporary exile. At tirst, also, Maitland fiwonred the shemes of bothwell. amb was juive to the murder of Damber, ret in the risinte that took plate on hothwells marriage with Mary lew ortensibly artal with the insurants. Nevertheless, aftrir the defeat of the pheern at Langside and her comsegnent lisht to Enstaml, while seeminer to atet as a frinul to the new foremment, he secretly favmed the exiled queen. lle was one of the commissioners who accompanied Moray to present tu Elizatueth their indictment asobinst Jilary (1.56s), lont all the while he was plottinge against his eolleasmes. On their return to Seotland the formation of a party in fasonr of Mary was mainly the work of Datitand. In site of all his endeavoms, however, this party was mable to hold
 by English money amb amms. Shat no in the eotstle of Edinhmoh, Maithad and Kirkaldy of (irange
 render. Datatand, broben in health, tied in prisom in Leith a fow rays later, "oome" says dames Melville, "sumbsint he towt a think and tied, as the anlal lemmans were wont tu in.' From his acomplishments and phitical alroitntes, Matitand was ante of the most botalbe tigures of his time in sentamd: lut it was his fatall lefect as a statesman that, whin all parties admired his ability, he mained the comfindere of nome. Kinox regarded him as nos sincere shpporter of the prine iplas of the liefomation, and Mary, on the wher hand, lonth lated and susputhel him. Tha rumonr regamling the morle of his death may lave beent withont
 (ommentary on the charatere and primetules of the man. See linelamas: Chemelome. Skeltmos. Meitlemel of Lethem!tun (2 vols. lssi su). Fim Juhn Mathand, Duke of Lamderdale, mee Latrmesinside.
 an Enelish amy was hefaterl hy dynh khan, 27th


Waiza or l valive coms. is the prolnce of Zeve
 The fornume wif whel tre woll illnstratad in the
 a pithy, libroms stroture is divided at irmonlar



 bulp in shyprt the plant, whin sometimes erwws
 : frot. The eat whinh ire aleveloperl within the
 with the eratins di-purd upen it in ratular rows
 attaphord to earh maliry, which usually extemal
hevond the closely fohded tip of the mase of imbricated leaves ("husk') that wraps the wholeare from half an inch to 3 in hes in diameter, and from 2 to 17 inches in length. The stem is topped by a 'tased, problucing an abmalane of light. Iry, loosels-attached pollen. Saize is hardly a lese staple aricie of fond to the inhabitants if tropical and subtropical comntrics than rice, and is raphlly becominer jopmbar in varjous forms in temperate and colder alimates. It is held to lne superior in mumbent to barles. Suckwhat, and rye. By analysis it pives $\overline{7}$ pier cent. of stareh: 3 of zein, a principle analomis to ghaten: 2.5 ui
 gum: 1 of of shate athl phosphate of lime: 3 of lignin: and af water. It is more generalls used in America (North amd Sonth) than in the other continents-in the Cnited States the erop js over Sum milion loshels, or alont wo-thinds of all the grains grown ; but in the Vediterranean comotries. Germany, de., it is alwo highly valued. The green ears of the weet rarieties are boiled amd enten from the kernel or served in milk. When coarsely ground maize forms the hominy of the somithern stateof America, aml finer fromal it furnisher the mush orporridge of the northern states: while the whole grainwith the cuticle covering
mosed after be ing lomenel by loiling in a weak lye, are the hullal form of the state generally. I'op corn is a varie ty whone grainncan he roasted and turned itnal shaken smartly
over a hrik fire till hes swell and horst, thang insile ont: in this state they are coated with -rrup and preasel intu, a hail, or the reparate grams are simply aminked with salt. The lefogency of glumen in the meal of maize remer it ill arlathed to hreal-mating; hat johenegotes mate frum it are pophlar along wih lacon, dr. and mixed with reromeal it forms the common hown lrowl of Sew Endand. Large quantitio of tatell ate manufactured from matize, buth for
 arol- and hane-mange: and the tarch, ly theat-

 rnin is alow an inportant indu-try in - unne-tates.






 hrimely. In mantrim whro maiza don- ant rifurn



 for thateh ant for forl, atul for mathing hather.

The fibres of the entm and leatres athord a duralide kind of yarn: and the havis are tlastic, and can be applied to the stuthins of "laime, sithlles, Ar, and to the manufuthrio of gand duralle mat treses, which have hombe a politathe artinlo. of trate in l'aris and strahare. The haws ate ako math uned for proking oranges and lemons. and in somth America for mather rivarten: and good paper has been mamifactured from thom. Thollowed com-coln make homely lat arriceahle pipe-heats for moking whate There are few phants of whelh the wes are mome vanome than maize, and tew which are of gratur importane to min.-Another - pecies of maze, called fhili Jotize
 ln it, sermed leaves. It is at smaller flant, : native of Chili, and has wom a - पunctitions restan becuse its grams when romsted ydit in the form as a crass. Fommery in England maize waw know by the name Tariey what, being then silely :u artielo of trade from the East ; hot the natme Indiat com, wheh was siven it hy the early settlers it: America, rralually suplanted the earlacr name athe supply from that comntry monted that of the earlier somen from the Bnitish market. In Anerica it is simply called corn. The native country uf maize is uncertain. Itumbloht and be Candolle are of ginion that it was intrumeod from the West lanies and the continent of Smerica, bat ather authorities adduce gomd mamuls for the crmuntion that the jlant is indigmom- to or at leant was known and cultivater in Aria and Africa hefore the liseovery of tmerica. In an ambint Chinese encecomadia in the ropal lihrary at laris is an excellent representation of the phat : wo that while it was undoubtedy hira introdiced to Enmpe ahome the sear 1520 lis colmons from Smenda, there are giond gromatis for the conclunim that it was know and cultivated in the ancient worbl long before that time.

Minesty, a title of homma maw nowally lestowed
 ned tos suify the power and dienity of the people. and atter the overthow of the repmbe herame exclu-ively the attrimate of the emperns. The
 desend to thore of (iermany as thair ancersans: hat the ahoption of the athilinte he other Envopen -overams is of comprationly late date. It- we lagen in England in the later fart of the reigen llany Vill., mp to whith time 'Vinu (irame on - Son llighess had bern the appopriate mond of ahhersing the covereign. Ihenry II. wa the firm










Majol ical (from the Italians mane of tho Finu








 the fan that at monlow of the patutime "fant it





Some of the timer pieve when they come into the market hing latree, almost faloulone, summ of mones. sece l'arteris.

Majore in the Army, is the lowest rank of beht nthicer: There are two on tha wtahbiliment of wory infantry hattan in the bitioh army and Whee on that of etch civalry regiment, new in amm manl of each hattery of atillory, alkont 1.2 in the enginerr-promoted aftar twemy sears areme whether vacancies exitt on mot - in in the Jopal Darine Artillare and 42 in the lanal Marine Siolt lnfantry. l'revions to 150 the madons of athery and ensineers were called tiontaptains. The duties of matjors of infantry in the fiell, where they are always mommend, are ennerally to take me wints on whin the lime in drewed and to command, one the sumparts, and the other the reserve in attark formation. Jn hamack ther assiot the emmandiner oflior in all matters of interior economy and dischane. l'avaly majors perfom similar intios, - verp that in the fichi each command a squadron. la amran all rerimental majos and captinus who in ditharninal service have heen aiwn brever ramk at majon take their turn as pendent of dinarot conrt-martial and an thold.anicer of the day,
 hay and nitht, taking command of pictuets in cane of fise riot, or alatm. ©゙e. The pay of a major

 Staten amy the yeaty pry of a man is orsoo.

The wert majon is ued also in combnetion with wther military titlen thus: majomenemal is the lawent mak of (iencmal (I.v.) : sumem-major is the rank next alove surgeon; a maremtomajor is a stath-sergeant superior to a sergeant : drum-major. trmuret-major. farier-major, de. are the old title of the sergeant hmmmers, sereant trumperes, sergemb farviers. de. A corpmabmajo in the bonse-
 mation or senior nom-comminsionel atheer in other rall.

Biajore or MAmR, Joms, was lworn hear North
 receivine the elements of his elncation in heot lam,

 and tork his dorree of Xaster of Srts in 14!4. We next whtmed the mollewe of Montainh, the oreat -thanghold of mblavic stadies in the nuiversity of
 While antimane to resibe in Montainu lie gate Fonoms in the mborantic logie and philanophy in the


 Wrate voluminons rommanatation lioter lambatal,
 line were whally ont ai tomet with the true intol

 hishm of limlaml aml Scotlam?, written in muli Mall latin, lout still of real valate ats at fecord of



In lols Hajor was resenting or tearhing in ther








 hombured ly all whostill maintaimed the tratitions wi the aniversity an olymed to thon who were eazer
for the introduction of the new lights of the Renais. sance. In 1533 he was appointed prowost of st sitviators Collere, st Andrews, an othe which he helal till his deatit in 1550 . Of his last years nothing is known: thongh it is wortly of anention that in 1547 he was present in St Andrews parish chureh at the tirst pulblic semon preached hy his former lapil Johm Knox, then completely identifed with the canse of religions reform in scotland.

Najor was the mos famous literary ficotsman of his generation, and as the acknowledged champion of modievalion was assalled ly men of such diverve chamater and aims as Melamehthon and lialielats. It wats his misfortane that his hife was mainly given to the alvoeacy of ineas which were abready doomed by the new teaching of the revival of leaming. Though horn after Erasmos, with whom he was a contempmary in Paris. he vet remaimed dead to those inthences of the lienaisomme which made Erasmus the life-lomg foe of Xontatigu and the sorbomne. Sevetheless, ly his great reputation in his own diç, and hy the strong individnality stamped on thase of his writings which still have a certain interest. Major chams a far higher place than has yet been accorded him in the literary history of his country See Mr A. Constalile s translation of his Histor!/ issmed hy the Sontinh Jistonical Societs (1892l, in which full information is given regrat. ing Major and hix work.

Dajoreat. "r Mallonct, the largent of the balearie Isles (is.v.), lies about lum miles from the Spanish conat, and J50 N. of Ahyers. lt is 60 miloc lomer hy 10 lnated, and 1310 sq. Wh. in areat. The eimate is healthful, the seathrecta meservimy a nearly equable temperature oser the whole ishand. In the nertla there are mommtains reachiner 3500 to 5000 feet in height. The hillsides are tervaced; olive Fruve abound everywhere, and almomd, orange, lif, and wher froit trees are common. The vine is grown and grand wine mate. The sail is extraomdinarily fertile and is coltivated with marvellons
 number, who mamifatume cloth, eatton gooms, ropes, silk, soap, shoes, de., and have iv tradio to amil fron Slain of the ammal valne of $81,410,000$. T'here are ralways (totat 4 s miles) rommetimg the
 - comal town of the island (whele an well ats at

 for Jinorea and Samodomat, lie the matmes of Albnieral ( 6000 acren), drabed hy a Lombon eombuny in $186, \overline{3}-7$, and mow of contramplany tertility. laymam Jally wald lom it l'ahma; at Valdemma (iedrge Suml resiled in IsBs and woote herespricion: :und the beantiful seat of the Austrian
 quantitios of lantred ware (Majolia, y. $\%$ ) were "xpurted to ltaly athl elsewhere in the 15th centum: this worio is -till malle 10 it matll extent. Many of the moldes hate hambome prataes in the islicum.

 but hy Archduke ladw: saluator; and $1:$ W, Wood,


Wajority is the atare which at ferson atequires bite -titu , if it persum witi juris i.e. is able to manafe hiv or hat osn athats. This age in the Inisit kinerlon is trantyone lomber that are frronn in England and lieland are callod infants, athl atre more of leas anlajeet to ghatrdiats, who minate for then their poperys. Sive lafanr.

Witubat IIII, situatel in the extreme north of Natal, was the scene of the defeat of has British froops, with the lons of their lender, Nir George folley, ly a greatly superior force of Transvaal

Buets on eith February 1ssl. The night lefore, after :un eirghthoms elimb, they lam vecupitel the hill. which overlooked the rinmy's posiman at Laing - \ek, iml whieli towaris nom was unex. beetedly carried loy a rush of the lobers. Their low was 1 killed and 5 wommedi of the lbitish, so bilhad and lwe prisonera (many wommled), hesules sombe


Makatrt. HANs. Anstrian biantor, was born at Salcburer on 2-th llay l-ta, stulital under ['iloty
 in Vienna in l-69. 'Ten ye:2ls later lew was ajpmintent professor ai the aldabemy ia the Instrian eapital, and there he diod on ond (betobrer lsst. He paintert srandiose spectandar and historical genre pictures, gorgemu- with colnur and of wixantic size: but the Arawing aud modelling were freguently faulty, and the treatment nearly always semmons and voluptuous to a derree. Inosher strong charaeteristio of his work is a lose for lifeless forms, with the book of death and of the grave ujwn them. His lmilliant colouring and generally theatrical sty le of art mate his pietures fetch latue sums. Anmagst the most notable specimen ui lin lums are 'Amorettes. * Entrance of Charleo V, into Antwerp--the noble female tigures in which were portraits of well] known Viennese batie- (a iact that gave rive to mole staralal)-'Cleopatra on the Sile,' The Five Senses, "The seven Weatly sin-" Ibana honting. "Smmmer, and "spring." see Life by Von Liatzow (1856).

Makkari. AHMED EL, Momish historian, waborn at Mabliara near Tlemeen, in ADeria, about 150., travelled in Surocon, and in 1615 male the pilgrimage to Mecca. Thi lev subrequently repeated live times, hemiles seven pilgrimages tu Dedina. and two to , lerusalem. At Damascus he created an $\mu$ nthusiastic innrension hy his preaching in 162\%. His ehini resibnce, however, was at Cairo, where the died in 1631.

His princifal work was lis Histor!s of the Mohemonedu" Dinnastios of spene, partly translated into English by Gayangos I? vols. $1 \times 4043$ ), and edited by Lhozy, Wright, and others under the title of Analectes sum riHist. ot lis Litt. des trubes dr Esputene (Leyden, 1sion 6I, and also printeri at Bulak, 1si'). See Wustenfeld, Dic Geschechtschreiber der Araber.

Mako, a markettown of Himerary on the

 their chief Sehaname and his son Selielotn, fommat an extensive kingion in the hasin of the [pper Zamberi; lout a sucemonal rebollion by the conquered tribes honk "p the kinglom in 1564 , sinee which time the Makololon thave ceaned to exiot an a jeople.

Makrizi. Taki-ks-DiN AHMEn EL-, ther most eminemt of the Aribise hivtoriaths of lierpot, wis Inorn latid A.s. at ('airn, but durives lio surname











 eiッht.
II. wrote sixtion works, fesides smallar mionom, of Which the followinf: are the Hwht umpretant: 'The Khutht,

 phetely trandated. a work of the hatheet importabee tol 312
historians and archeolugists; a gemeral history from 1181 to 1440 , uf which a part has Ineen translated by
 1837 4): bowraphes of famms wen who laver in

 on Mohammedan weights and moisures, mited by Tyclt-
 (lsif) ; Arat migrations to Heph, dhtell ly Wustenfeld (1s47) : the Mohammedian kings of Alyminhat edited hy
 tenfeht, Dic riescherbtscheciber der a Irabere.



 Hohammedans. The smface is oeromped in the -and by the Wentern bihats, whieh semd down mambrom livera to the coatst, many of them mavisahbe for some dintance. There are large forento. Tioce is the stajbe crop: conot mats are largely grown, and aloo cotlee and pelper. 'The mame of thin listriet is ajplied to the whole sonth-wevern eosast of Southern India.


 east towards sumatrit. The geminsula homins geo. graphically at the leat of the diatf of sian, innd
 province of 'Femasoerime in limmat: limt it is manal to linit the name to the portion somblat on river l'ak-han, the frontier of Pemanerim. In the larger
 and its area is $75,000 \mathrm{~kg}$, m., of which 40.000 belong (o) Siant, and the remaindor to the fitrats Sotale.
 states. The width varias from it milos at the inthmes of krat (リ-v.) io 210 at l'erak. Thas interior consists mainly uf matnilicemtly-wombet monntain-rance, diopened jarallel to the long and uf the jenimonlat, sobme of whose fuak athain at
 soot teet), while alonig the tomist there ala mane.
 hy low fertile pains retchiner to tha monntains. Cmonget the more valnable of the trens ano phomy, camphor, teak, samdalwori, eimnamon, rattan, cocost, arema, and other balme, mutmor, de. The rivers are short and of little me fon naviestions. A domble belt of istands rum along pate of besth
 region in the worlt (are Tas). The tin wre wecors in con junction with end and silver, loth extamed ; iron chal coal exist, the former in ofeat quatntity
 mometains shelter momerons satieties of will ami-




 Lian fabls on l!m dins in fla ic:ar. 'The ther

 'lloy are mainly siamone in ther moth, risilimed













## MALACHY







Hellacea, part of the strait - Sottlement, iwhatwo on the sumth-wes comet of the Matay



 there are low hills. Thestes rime the whef pur


 ally, tho mperts tion, an apmomately. The


 momath of a cmall river, and consiste of the uld Butch or Eurapeat town and the "hiness and Halay town on the ather (left) hank of the river. The dmand of Gur hady dei Jonte was the seme



 furntly supplated her lemans, and l'enans las
 in lifl, and fell in 17a, inte the hamis of the lisitish, who restured it to the Ihtel in 1shs: hat they returned it to britain in 1 set.
 Prenimalia om the motherast from the ishan of Smatra on the sonth-west, and comerts the Imlim ()oram with the thimese seab. Lensth, fet
 arat to 115 milan at the mothewort extremity. On this atrait are the British mettlements of Miatitca. 1patang. ©
Matalehi (pormally an ahmaviated form inf

 given th the last lamk in the prophatial seetion of the Ohl Toxtament eamon. liequrding its anthor mothing is known. It hat even heen dombtal Whether Mithohi is a proper mame or only an
 mans :uthomituc luth in ancient and in mondern limes fasominer the lathe view, amb thinking


 mont, thore is mothing to make it imperible ans a

 in ratienins and stecial romburt. the puints lwourht

 in bument of tithes, mixed marritese amb no








 cummonity which they lowh is that of Jhaliha and




 it. dith. in for lus :omght rather in the interval

Intween his two temm of oflice, or after the ebse of the secomb- mosibly many bears after. It is monal to spok of the style of Malachi marking the transition form the age of the grophets to that of the seriben as havine lithe of the treedom and lore of the offer priond, and ats wombing to the artificiality of fumal shehastir ulioputition. Yet its dialoge is mon without dramatio fore : and ratation to its size the little lask hoce contributed :an manally large number of mamombe phrases and low and striking lizums to the langure and thensht of Chrintembun. For emmentaries on Matichi, sere the wombe on the minor prophets mentioned monder lhases. There are momyraphas
 Simger (1867), Latyge (15i6), and Puney (1576).
Malachite. a mineral, essentially a carbomate of coplere of a grew colonr wemes renerally mascive, with a exmmar maform, botryidal or *tanctitie surface: fregnenty filmos and showing
 t"xtmre. Bure rarely it is met with crystallisen in rather whlique fondraid misme,
 the hevelline phave trunariod en as to form six-shed misus. it is valuable
 smeltel aloue, not only herame it is formd along with wher ones, hut luenanse the metal is a ate to lae comiod ofl with the cartmie acil. It is comu
 mpes passed off in jewelery is thryume although casily listingureded he its colour and much inferior hathere. It is noed for maty ornatuental purguses: slahn of it-chiofly from the mines of Hiberia -are made into tablex, mantelporese der of exfuisite leanty. In Jaio a mass of solil malachite was fomblin the lad Montains of move than 17 feet in length, and wedinge ahme en toms. By thre ancients it was usel as a marm to protect infants from witcheraft and -mereries.
Walarly, ST, Arehlimp of Amagh, and the

 miversity or erland there minler the andurite huar. Alunt 1119 he rewived ordors, and went 10 stmly thenleg at Linmere, where he was eonlimmed in his preferenee for the limam wher the old feltir sytent. In 1121 has herame athat of liangor. Arehbishop: 'elanc, who hat maty. him his viear, promed lix eacotion to the sar of (ommer (1195), and on his doathlual (1129) recommented him as his surenesor in the pimary. It wis not, hwever, till 113 B that Malachy iombl entallish himself thapein, and, hat dome, he withifew three years

 ponmerse to liome seeking the padiam, and




 t1) renew to Enernin- III. Lis mpued for the



 い。


 dianom them at wemy formery. They ensist of


 bate, tram-paront intications of the individuats
 the wery fanily name. Premant, is. wiven (l/







 and hat sofly tavel the ingmaty of stomests of proherg. Still, it amon he denied that there are a fow wowl hots mone hotter than lentrum in
 (10:1), who was one of the limatelli of lawtullo at the wates of Naphes. Then I'mations. I/mes
 for l'ins Vlll., tarcich ofl 10 France be Nambon. whoe pmblem was an canle. form lime 1 N . the
 Lan Xlll., hivams hearing a fiers tatr. The nime

 Tans, lonstor ot unete (this shrpherd will lwhike

 - the "ity of the weven IIills shall he destrenel.

 the r'ther thurch oded 1sos): aud, fur the Propheces. Wheri's Ihet. Historique (ed. 175: wii. 115, and an ahnirable aticle by the Marpuis of bute in the Imh/in Ratrak for Octuber 1855

Dalacology ( H r. moluhos. 'suft') a name - metimes emplosed to dengate that mando of nathral histury which has melluws (eallenl mutwhi"


Malacopteryoil ('soft-fment') a tronaplied In ("uvir. to thine bony Fíhes (4.5.) in whith the

Malagat. a seapert in the south of spain, in -ithatell orl the Merliteranean. fin mile NE. of dibmalsar. Gheltemed on thas north and wath he mobntains: and with a womerfully equable ani miform olimate (ranse of thermmeter of th : 2





 and of the lath rentury on the -ite of at bomer



 and homon grown and hoty uetrii datios, mo





























 yirld what, barley, and matia. Lanl, inn, and manzathene atremine.

Malalioll. Se serastomb.

 and lueranp a fastor of tha state chand ibled a respont in the collage. Thromsh he inthence of







 at Oxfmi, and was vicar of Bhachwiniom and




Malaprop, Whe, a chatarter in Shmian': Patols, whene remark noe mot an mobll wat of flace or mul-i-proms. as ingerimaly pormae in


 Vandye, 'an allemory on the bunko of the Nib.

## 

Mailar, LuEE, one of the larget lata, amb the




 it wators are perural inta thi lbaltio Scize The
 lawn*, and cliflo, :and are athome with many





























vimbent in tropisal and sultropieal regrions. Its dipembane un alimatie intluenee is shown ly the

 thane dintriets where malaria is endemic thomelaant 1 ho whale of the year theret is a manimmom amb minimmm parime to its vionlomors. It iv woptain

 in thon paters where the stmmer terngerathere is
 frevented. Tha indmenme ot the ratinfall varios with lat chatracter of the suil. A a gemeral rule it maty lar sabl that the matarial primen is most vimbent either when the ratas ant in after al lomes

 forivon is motalaly diminimed at the horishat of the rame if they are bory abmodant. lant the perion is produmal in menter 'Inantities in wot than in dry

 to at heabllyy pot, puhbilly to the distance of theres milan: winl atan prosents thas sertieal ancent of

 wind le howing this reptical dillision is pres veromi. It is alon porbable that on some ishamb whore mataria in abont, althomgh from analogy wo chonld expeet to find it proment, the wind by
 prixan lafore it has time toda ham. The extent and marrity of malabial divenser diminish it ame ascernte ahore asilevel. The hedight at whelt
 emmlition- i.e. in tropical listriets unt mast anomd (1): :creater altitule tu lime a situation free from

 maty lue rexpired to prevolt the pambetion of madiaria, whereas in the dpmanes fore feet whly is refured, ame farther morth mataria is not fomme
 ing the weenmenme of mataria in mon-monatamoms regions wa alan lime that altitule play a mot


 timal rates where malaria is "mlemic at more


 ur lase mempt in propartion to the comprathess of the rabl amd the promity of the soil, and wormot








 moil.
 sataration of the gromme is nerenatry for the pow




 In the mil in revtainly ronmeotod with the for buetion of mabaria, amb, wher viremmstames

 In the soil in erreatent, Itrant whome it in latiot.
 in the promlution of malaria, for the lattor will
-livalpear on datmp ar matroly soil beine completely Wrimi up. It water compliftely forers the abil,




 althoneh it maty lue prevalent in the ontekiets of large towns, it does not jentetrate th their :

Laveran discovered the parasite of milaria: Binnami, (imasi, and uthers insisted (183! ) that the maliuly wat mathly eommonicated by mosquitans: imil Major fiom mate extenaior res. searehes in West Dfrica into the themy singling
 Jrofesor Voch's investigation- $1099-1!001$ ) in Italy,
 thas berm is in the home of the malanial prationt ; mosiguitats and other gnato, imbiling the remm in

 -hilatom are atllicter with mahbuia. Mueh may be Home to eombat the dionde hey swatialtention to chilatren, imel to mikl amil latout eands in athlts.


 on the prosihility (tlenied hy kith) of exterminal.
 and for s. Law, who weme emmansional by the Ititish (iowemment spent the maibitial atism

 who whly go abmo thange the das, when theot insorets ilo mot apmat, amd who proteret themshloes frmm them at nioht, when thos are abomal
 the stime uf a mosifuito wa invariably followed by the dinease. See Forbembe and the monogreppla ly ('alli (13ans. 1900) .

Malatiat anc. Affitene), a town in the province of 1 biarmelia in dsia Minor, $s$ miles from the Euplatates; $\boldsymbol{j}^{\prime 0}$. 20,000.

## Malay Penimmla, see Malacea.

Malays. the dominant native race in the Eastem
 Whith fom them are rommonly nomed repertively the Nabiy Arehipelayo and Maday Peninsulat, and collectively Malaysial. Plas-ically the Malays momet
 division of mankind, dismely montiteri by intermineling, orperially with ark (lajuan) mements in the eastern, and light ( ('ancasic) eboments in the westrat and eentral parto bi the arehigelaro. Tho former (Molayo- P'opuon), often designated by the sumewhat vawe term 'Alfurn, merace gradually
 in the true l'apuans of liu amd Now (inimea. 'I'lue fatter form two astinet wrongs, the / molonfsimes
 "roper -howing more of the Monerolic aldment.
 amb Kinhas of sumatra, the lashic amb Ning
 whers of lannen, the Danolum athl 'limernians of
 (以:







 China, matur of the formosath tribus, the Jhsas of


Thay arm how size, averamer litthe owe fice feet, with yellowi-h complexion, Straight hater hatir. roumb (hrachyephalio) hoal. sumphat almomal.
 fomtures, small hamb and fiet, in wormat sore the east liatic Xemons that chinese dremed as
 Mabays. while many natives of dava might fat rery well ior Chimse (Wallace).
lint lingusticalle the Malays are entirely sovered from the Taiatie Mongols, all the Malay lamsuages withont excention belumsins to the wilely-diftusen Malayorbly uevian fanily, which extents armos the lindian and lanific Wexam from Madagamen to Einter liland, and from New Zealand mothwards to Hawaii. Thim area inchdes many hark pomata tims, suth as the native of the New Ilelnideo amd Solomon likmk, who seak primitive or arhaid forms of the arsuic Malayn loblywian tomane: of which the -timlanl llalay, Kini, Itwanese and other idhoms of the more cultural Malay pondes apmear to le later rlevelopmento ( (contringtom). Thas in the ofeanie word race and lamulate are. su to say. antasunistie, amb present mang lithoult problems, the solution of which mut atwat further rewited.
The proples of standard Malay prech-i.e. the Dalays in the narrower and fumber weptatiom of the term-bernpy a compatationy linitond purtion of Nalaysia, being mainly cmatined to the Baby Penmonla to about $\Omega^{\prime} \mathrm{N}$. liat., the somthern
 de. Lingen. Banka, and the uther i-lanh hetwem sumatra amil bumeo: banjemassin, lomtianak. Bmon, and some other maritime distriets in Shmen: Thelor, Temate, and the Banla gromp in thee Moluwax. and the Sulu hanks. lint at all esents since the lath century thear Mabas have
 where their lansuare wa- alpoaty the sumeral

 Inh centurs. The tuestion of therir orisin has
 race un the $A$-iatic mainlanl, oflere in Sumatra. This i-laml, ant onperially lemandabo, was me. denalitelly the fuint of ili-prami uf the later historic mionation* hooth to the manland and to the eastern parts of the archijelaw. whol minar tions can he raved lack to the lethe whtury. Rut the rawe itarli. lu.jnes a haturh of the Vimgolis stock, mus hate migimally readmel the istands



 Lenet ('mon of the sea'). hase from times long antorion to the sumatran minationa haron watterad ware all the inland watere of the arehiperago at



 w.rrme the onnther farte ai Aman in the sth
 at a htill buli..


 rewardent as an equinde in the liatong of the Matas










 acophand chietly with trate amd atrioulture amb
 towands meh other and strangess lint the whit
 parive extorior, and tow fremonty pobails itself

 is of at low wrder, and the rice has mever loweloned a mation culture, their divilisation luing entirdy the to formign indnences, chiefly Itindn and Irath.
 amb of simple structure is witten in the Aralie chavacter, which is ill mited for the pume. Lately the Loman syan lat hem larsuly andoped,
 The literature, which is aplimes, "omprises peetieal

 imasination. The prose-writims (historics and chomider in whel truth and fietion are inestrinahly interwown, treatios on latw, thenhay, ame ethics) ate mostly hased on Araly berian mondo.
wed J. 'rawfurd. Hustory of the Indum Ampimultum:

 Wallace, The Melty Achenhefo: T. I. Newhma, Aeronent
 W. E. Maxwell, Mouthel of the Mulden Lotumeter: Mik. lukho Maclay, Ethumetecil Excursint th Joher: A 11.




 statematu, and historian, was lum at limmiont, nor Langlolm, Ihmirioshire, Min ㄴ, 1769, ant at fourtren went to India an a cadef in ilme Madras

 di-tiaguinhel himelf at the sige af Seringa-



 in Nos wa dimintm momemor of the llyome
 mull wionme tomer and tramnillity har newly-
 wa- amin ant as minter-phontemtian the the
 warived the homour uf kighthuml, and, after live geats, went ont agan th halia as the gonemor-























his fathor, Kine Ihmam, was slatin hy Macbeth
 umbrial with his mule, Earl Siwam, who in 10.4
 Luthian. In 10.7. on the death of D:andoth and (sewom months later) of bulach. as well as that
 the thme of all sootlant. For the tire might Year- how wate free to devite hia "nomsies to the comaliulation of his limatom, England then heingraled by the peatefl Elward the Comferon: han evern divine this promion ho made one rain into
 of his lonis reig is on of ceaveles warfare with the Xommon. Din list wife, lagibome, Thortimns
 Margate siter of Binar the Athelime (o.s.),
 Five matrate timse did he hatre Nortmmbia, as
 109:3) : and there wape counter invainas hy Willim the Comprerer and l'rinep liohent, in 10 E a and
 mothy Wing Jatohn eame and mate prace with King Willian: and sfre lastarge and lemame hii "man.' This hmage heremen to Willian
 thrians: it was only for Lothian and ('mmbia.
 hoth wreled from sootand all cimbria south of the Solway: sul mext year Matcolm gathered his army amb marherl into Enslam, Pharying with more animesty thatu per lathmed him. Sma thent. on l:th Nowember lots, Finhert de Mombray,
 with his men mawares amb hew him. Morel of Damborugh, who shew lim, was Earl Roberts stewaril ami King Maleolmis wosip. With Mal coln, alen, was slan his son Elwat, who shonld:
 Malcolan loft, however, live sons, of whm finar -nceceded hint on the throne-Dman (ly Ingi-
 is an inumitan one as the commencrment of the
 lam, fembal and loman Cotholie: lant the change wan mot due to him on mati as to his saintly 4 luer.
sime the anticle Mandarer, and skene's Cettic somand
 kings of that man:-Malcolm, sim of Donah, king of Alban from! ! th th Mat: Male lm, stm of Kometh. kint of sentit from lant th le31; and Malcolno the Maiden, knis of santheni from 11 as to 116 .


Malden, a village of surver, 3 milms SE. of


 town of Now Maldu ( (






 4 :








gromp, di-tributed politically into thirteen, and cmbtacing a total of several limited i-lamds. All of the are very small in arda, ind lose than 200 ire inhalited. Nate, the residence of the mative 'Sultan of the Twelve Thonsand I-lex.' in 1 mile lomer ly 量mide wide, and entains a jop of mono. Tha* pupulation of the whole chain i- probally not more than 20,000. These people resmble the Simghatem in their permal apmarance, and swali it lansuase closety akin to Sinmalese. Thes are Mohammedans ly religion, and lomet of an ancient civilisation. They are peaceful, athectimate, well behaved, and of cleamy halits. life (improded), tish (ehietly bonito), liread-frnit, comanhat, and valoms other frnits and vegetables ane their porncipal fomel. Coir, cowries, dried bmito tish, cucosmint ind copra, ind tortuiseshell are exported. The sathering and preparation of these artioles are the principal ocempations, apart iron a little wear. the. The Arab geosmapher Ihn Diatntat lived more than a yar on the islanls ( $1343-44$ ). The Porthate mantained factories there at varims times after lisis: hot in libio the sultan fint himsolf under the protection of thre lately sumpor of Coblon, and along with that island they exchanged Witch for English supremacy. The sultan sends an embasy erery ? ent, lwame prents, to renew hix homage to the
Hadelon, a mumeipal worng of Exax, 9 miles E. of Chehnsiond and ss NE of Lomom (hy rail 44), stamk on a hill naar the conthence of the Chelmer and the Rlachwater, in the virinity of which trace are still extant of a loman encampment. It has two fine clarches, jartly Decomated amb partly Perpembiculaw. and a phaint town or mont hall ilating fom the reign of Ilengy V'I. The
 in the Blachwater-a moted resent of widhion:-
 Xadan returned two members to parliamm, and thance to 1585 one. Plame, fombler of the pates. moliop of Astronomy at cambinde, Gemeral bates,
 serre parent- rexidents till istr. In the hatide of



 (1890) 8397. we Fitch's Ifuldon ame the liter Elurhater (1845).

Malebramelara Niculas, a Fremell philo-
 Wi- deformed and sichly, and from his elibidomed fond of solitude. It the sug of twenty-two he (anteral intu the congreyation of the (hatomy, and frested himatif to the sthly of Patristios and
 filling into hix hande, attraded him to philomphys.

 migimality of thonght combined with purspicnity
 invertisation of the callese of the rmore to which the haman mini is bialde, and of the mather of tratla and the way of 14:chin! it. Ha* maintaine that wo vor all thing in tion liv falloms lisoou." Heme that all hainess amb thoments

 the timat rame of all "hanme whith tahe plawe in
 sive therefin. Jin syand in at himl of mystic





 of which he endeatomed to exhibit the hammons of his phitosophic siews with dhivtianits. Jf alied at l'iulis, Wetolser $1 \%$. $1 \% 1 \%$ Ther stury of

 dianderion with the shble I Berkelery, is diepiowed hy the dates: Berkeley having leen in bingand from dusust 17 l 4 till 176 .

An edition of his werks, puhlished in 1713 , filled 11 volumes. bater edtions are hy titnonde and lomrionma
 Abdré (Tours, 1swi), and the Studies by liampigmon

Male Ferm, See Ferix (Male).
Malegnedta Pepper. see tikuns of PatADISE.
Malosherbes. Chiétiey Giflesome ne
 wav hom at Pioli, Jecember 6. 17, El. Educated

 sumperled his father ats perident of the come for dide, where he howed dear julswent, strict
 oplonent of ghemment rapmety and tyamy, her watcheal the ministry with a jeabone reve and waindefarable in hice effirt to present the pooblo fom leing phudered. Besiles hix mone porn julicial dinties he was entrusted alsu with the cencolup of the pres. and os tolerant was he that Frable anthor prononnce the period of his cenmer ship. 'the colden ate of letwer. To his large mini we mas acribe the pmblimation of the tamma
 araint the ahoses of law which Lomis. IV. was perpetratins lent to his hani-hment to his coment teat of st Lacie. lnt here he mbacel himseli with hotany, ever a favarite sthly. It ther arresion of Loni- XVI. (17. A ) he wat recallen, :and tomk othow under the crown, Tat retired on the diwniwal of Turest, and from this time to the lievolution - pent hi- time in travel, ur in the improment of his entatus, with one briet interval of whice in $1-5$. The firat torms pated him by: hat when ler leatel that the unhagry king wan alome to he trien has the Consention lie magmanom-ly left hiv retreat, and amo to lotris to undertake his defene. - I was twine callent th the commol of him who wat my mater. Whati all the world ponetell that homonr: ani I we him the sam. werter now when it lain beothe one which many reckon daugerons, satial the sray haired hate. Firom that day Male herlw himalf was domment. Ife wate arresed in ther
 22. 1 :9, aloner with hiv dimehter and her hawhand,
 Wam one of the noblost tignes of his tilles, amb his fearlo... hish minden devation to dinty as anden. rate wat littingly commomorated in le2li hy a statho in the hall of jution at Parion and in the
 Whe a member of the Acallems, and hamet an







Milst. sen Mufise.









 homeht alumt a monation in pretic styb. Ile Live leonons in comporition to a dats of divipler, who met in the hotel of the bue de Bellewimle, ami shath, so the story whes atrok him white he





 and insipul. De is hest remembered hy the inaly tomeching stanzas which he addromen tio his fiemit Dn I'errier, ami which comtain the bund fathons
 IIe was exceedingly vainshorions. and asomtol that what he hat writtern womblembure whally. His interen hes in this-hat he exampan and
 wase. Ite led hiv conntronall to low with dis.


 fincel to the limits of a mand weablars. lle delifhised to be terneol the tyrant of worils and
 afle uf ante intu dirtion, Certiln worla ware


 hy bindean, and cafored hy hit hish anthrity, Jremeh verse was demerem of hearls all that maths

 imapalate of rendering other that combutinal inlear. On the wher hand, Matherne dill :- wand
 relinement, and correctnem in ald.



 the lac de lirostie (1wini).

Malimbin. Mafa Felated, mezan-anpano simgry, lum at liati, Xareh 24, lan, wan the danghtre of lanuel (iareia, it samioh -inervinul tearher wimgins. She mate hor debut in lamdon

 hatian ofrain in Aew limh, lan withont suman:







 attic -irs.rar


 ramamis. in whid it in fomme an and an and




 wa -






arotir arids: fermente, into shecinie, batyric, aretic, and carlonic arils and water.
Malighant Pustule. See Anthend.
Hialiquants. a term used ly the parliament men tor lesignate thane whom they consibered to ho the evil advisers of chates 1 . They are so called in the Geand hemomstrance, Laml and stration! boing singled out ats the most prominent. and to their dowr are laid all the evils which aflicen the kinglom. Afterwarls the name was extemeded to all who silded with the king against the parliament.
Malines, or Mecmas ( Flem. Mithelem), a city of Belpimm, on the matrable lye, 14 milas sise. of Antwerp. It has fine suares, nohle lmiklings, and wide regular streets, lint is desoid of all signs of life and mbloter. hawing lost its former greatness, and falfon fir lellind other lielgian ditios in commercial antomise and imbutrial activity. As the sor of the pimate of belgimn it still retains a certain degren of mendenistica! insportane and farseses momerne chaches, the mast noteworthy of whith is sit hombold's cathoural, a sast huild ins, cowering nearly two ares, its interior atorned with fion Wyelis' © 'rutilision and many other fine pictures and arvings. It was mostly louilt in 143-52, lat its mock tower, 324 fert high. remain unfini-heml. Thue elurches of st .lohm aml of Our Lady contain works ly linhome: the town-hall dates from the listh century; the C'loth Hall (1340) is now hed as a mard hane: notewortly also arre the splemtid molemarelippiseopal palace, the Berninage, the Siam inn ( $1.5 \%$ ), and the momment to Mingrat of Anstria (1s49). 'Ilse manuature of pilluw-lace, so fanme in the 1 the watury (wee Lacte), has heen largely transterred to brassels and elsewhow: lat linen and wonlen falnics, heer,



Malingeribey is a temm ued in the fritish
 ovder to obtain limbarge from the servers of to ecaper some revedial duts. An iletined in the Amy Set of 1 sse it implips some overt act, such as the mevims application of a ligature or the talinge of smme hats. which promber the tymarane of the diuramer sath to rexit. I wase form of the rime crins, "wilfully maname"-as howing ofl the triger fingr-is momemity called malingering.

## Dillaral. sise Derk.

Mallabibility is the property whid retain metals pusmes of luins rembilan to thin haves, either ly hamering (heme the romespmatime (inman wom, Hommernerleit) or ley lamination
 athe motal- exhinit this poperty is as follows fiold, Silare, fopher, llatimm, lalladim, lrom,








 athomelt it insy herneal to extromely thin wire.










Entering the army, he hat risen to the rank of a brigalier-general by 1799 . But in 1801 he was detected in a eonspiracy against Napolen, and again in 180s: he was arrested and kept in confinement until 1812 . During Napoleon's campaign in linssia Natlet made his eseape from brisim in the nipht of Octoler 22-23, and by cirenlating the filse news of Napoleon's death and by dexteroms mse of a forged decree of the senate won owr some of the national guarls. Whilst the latter aceupied the principal public otlices in his mane, Mallet himself proceeded to liherate his fellow enonpirators, tiencrals Guidal and Lahorie, from frism. lint at the lomse of Inolhin, cmmanalant of the troops in l'aris, Mallet was himself taken prisoner ly IIullin's adjutant, Laborile. Ife was shot, aloner with his followcomplinators, o9th Octoher 1812. Sep histories of the conspiracy, by Laton (Is14), Simlnier (1s34), and lharille (1s.to).
Mallet, or Malloch, Bivid, the wielder of a venal frin uddor the recomd and thind lieorgen, was bim ihmo bons, at Chiefl, where his father wan at Ruman latholic small farmor. lanitor for six monthe at the High School, Edinthrgh (17171s), he then stulied for one sesion at the miniwerity, and in $1: 20$ became tutor in the family of Mr Ilime of Dreghom, in 172:3 in that of the lonke of Montruse. Here her romained seseral years, and mate the tomr of Eiroge with his pupils. In 1723 the adaptation of two old hatlads into a new one, 'Willian and Margaret,' gained him a reputatiom as a poet, which he enhaneed hy a
 -by degrees deared his tomgue from lis mative
 as a Keot,
he took mon hin to change his name from seond Wahoch to Vombish Millet' -an instance of his insulferable canity. Strange an saly, Pore, the poet, was his frient, and to jleave him Mallet reviled Bentley in a work in verse, Foblul (titicism (1733). Ahont this time he was appointed under-semetary to Frederiek, Prine of Wades, then haling i sepamate court from his fathers. In 1740 Mallet publishad a mediocre life of hatom, and in 1742 another fairly areditalile poen, The Mrrmit, or Amymem aud Theodore. After this he appears in the most despinalle charactor: to mratify Bolinulnoke he heaped ahum yom his dead fricmel lope in a preface to liolinglanokes Petrot liang; at the hidtling of the ministry he dimeted the formar rase for the loss of Minorea "pon Adminal bivg, ame his reward for this 'price of homen was, says Dr Johmon. 'a jumaiom which dallet retaibed till
 lowides other sums, to write a life of the great Guke of Mathomoh, hat fover pounal a single line-bur eroped for materials and thought of it till he hat exhausted his minml." He aloo tried his hatel at phay writing ? mat with bus wer ereat surces: Mustaphen heanel for a whila in 1739 ,

 trasedies, were failures. Ilfret, of hesque (1-10) wa- "ittoll in conjunction with Thomsom, and one


 Apmil ishio.
Wallow. a marhot fown ami matoring pate

 Comhe On the "pmonte side of the river, whidh is



neat spathonse. Clome by is the ixy-ensered mint
 and the later Madlow (astle, built by Sir lemham Surros: toward ther and of the INth eronturs.


 Ilonse of C'ommons.
 natural order Walwatese, whose sureite are har batems flant- or mone rarely shrmb. The (inn mon Nallow (.1/. sultestits) is plentiful wer most
 of mbliols. It in a permmal. with mather lation


Common Mallow Mationserveris.

 of Britain, lat smatler whiti-h or redelidh white flowers. These two phats lase at macilasimons and monewhat hitep taste, and the pase- are
 a derostion of them beiner mployen in rases of irtitation of the polnomary and of the arinaty
 fromathety empayed to allay extemal intlan mation. "ther inecien hase similar ponertien Thas Nank 3:allow ( $1 \%$. mosishater), not minfergurnt
 like sumbll. The fibre of .1/ misum in ased in symat
 are probably fit for similar use, and for the man facture of pater. The foung leaves of some ate




Malnaisoll, a dhatean standing on the laft hank of the Sujue 111 miles W, of l'aris, Wam the fivourito rasidence of Jowh hine, wife of Napoleon I. and here she died. The whatuan indongind 10



















 Norman in otsha, atol evoriform in dian, with :
 the nave-now the pari-lachan pamane: but thin is a most interestins frament, it fimed foblum the muth foreh. At the bivolution (linst) the





Sice work by Moffitt ( 1 N0. ), Nir T. Phallans (10:1),

 (2' vols, 15:! al).

 the only con of Jatuen Hermese Harric (I. W.)
 ford. and at lecolen, in 1-dis he beame motary of legation at Wabrid, an! in 17 ,! minister at

 and in liow was creatod lamon, in lath Earl of Hatmesturs. Heanwlili, in 1793, with other Whigs he had seceded from Fos to litt, and in 1795 had maried hy pory am modncted to Ensland the lrincess Caroline. '1 im not will, hamme
 the Printes remeption of his bride. Viry heat daring the hat twenty batis of his life, Lamd
 See his Jhatries and eorrespmetere (1st1), and Larel Ihelmestrity mill his Friembs (1s-0), both edited ley hiv gramion.

That eramimen, Jimes Hownab llatits, thind
 Darch lsor, and from litun proveded to urid
 then made a rontinental tom ( 1 sev e9), during whinh at liome he formed a elane frimblaip with lami Napmeon. In Nois herome as at Tory fur Portmonth, and in latl hatl juat beert murned for Wilton, when hi- fathers death callad him ta the Homer oi lom小. In lase lat wan loreizn secretary umbry lood boty, an

 winty if mancerofally 10 the prameration of


 Minoter: He Nied lith Mas lam.
 histurian, wion lum mear the clome of the Ihh antury and was mheated in the manamery at
















 anthation fire the Anslo Noman priod ai our
himbory the work ui at man of areat leatminer indmeiry, intelligence, and impartiality-no meme combilation, athd wittan monemer with matamal




 llamiltom. Wther worlic of Whilliands are atn

 printed in Wharton's A Agtion starmo.

THallaia. the thiral larant fown of sweden, on tho somm, nearly olpmite lomanamem, 17

 wopllers, athl ame mipholliner 'The rxprots
 mateders, live afork, and timber) are (amperl away
 toms larion, amb the imports (omol, mathinery,

 ai the olat tortilications is the eastle in whele the Earl of linthwelf (y.v.) wike confined: it is now

 H6.2.\%. bown to the lith eentwy Malmo was ome of the lmasest commemial towne in that part of tho Baltic. In lios a twaty of patce hetween the

 he-lownd wigimally on the real and white wince of Napuli ali Matrosit or Monemsiaia, in tho Matea,



 Tentalle, Jadeira, thr Senes, Sathinit, Nieily, and ond or dwo uther flacers.
 horn in Wublin, 4 hh October 1741, atathated with remit at the maversty there, and waz callod to the
 has worl for lumion to doboto himsalf to literary


 (17.5) led to a selobls quared helween the two. in
 alition of the erant dramatiot (IT! 0 ) wat watmy reetiverl. wameially the matys on the allatory of




 ome of the limot to expmes his matreliof in the anti.
 lan dapmaned the impudent formerise of the


 Nity lye. He lieft hehimi : bater mans of mat.
 at hoseth : $1 \boldsymbol{l}$











infurence blat lie was it piose In Lelandis Hinerory the name oroms in forkshire, and the rentma after in bintom"s /eworption of Lebestorshire, bint there is no evidence toroment the writer with either combty (axtoms improsoing was timished in 145 , amd is a hack-lettor folio, of which hat two eoples mow exist. An acomatle ami altorethro almirahberlition of it was reprinted in


 Malorys lowe style in tath. There wor twelve
 Worda, W. Copland. Hazleword (18]6), somthery
 (the dabe mition. ls6s). The last three have almiatile intraluetions.

Sir 'Thmas Mabory": work "is imbemmaly" says ixott, "the lese prose romathee the Englisis lithatage ean boast of." It was dhe to an attempt
 the whole mass of fremels momace, and the prablt Ghows lhat its anthor was no shavinh enpyist or compilar merely, hut ihat he tumed mulh that was dross into [ume wold, and tanpmal ram the whole the impreso of his own indiviohality astiakeweare did with his lholinsied and lentarin. Amel this no less in the events than the charartors of the story as the morlem realer realises than elorified throush the medimm of Temmon'sstatoly rerse. The story moves forward with dignity to its tragic elose, the inevitable jssue of the gitilty loves of Lancelot and uneen (ininevere.

Dillbighi. Mhberma, an Italian amatmmist, was lorn at frevalors, near Iboloma, on loth Wareh lbes, and dieel at lionn on woth Nowember 1694. He hehl, at liberent perimls of his lifo, the profeswiship of Medicine in l'isa ( $16.76-60$ ), Xessina
 apmonted ehief jhysician to Pope lnnoment XII. like his eontemperary lownmalook, lue was a pionerar in the stomy in minnte amatmay with the miconsobe, and is chietly known for his iliseoverites in conneetion with eapiliay rimblation and in the anatomy of the skin, the kidnoy, amd the mpen (ste kibsers). Amongst his work-may hementionesl Ejpistoler Amatumier (litiz). jho storer-

 aml Ammtomict I'momon (1675-79). Sue the


Malpighiacrie, a natural wirr of exomenous plants, trees on slambs, many of them elimbing thombor lianso.

Halplament. a villige in the Fremeh depart ment of Nord, 10 mile S. of Noms in laldinm.


 Xarshal Villass. la this 'very momerons lattle,


 al \ım.


## 



 phatabl which, stretchime acrose from siably to

 (inn, the purevaliner rocks heing limestomes. Vrom
 milest. withe pieilitu enast and abont lso hli. by

 little military louthome"- Malta in one of ther mat improtant of the Britioh depulancies. It is the headiquatom of the Briti-h Meditemanean Alent, the prineipal comation ation for merchantbounde as well as the nalo in the Dediterranean
 imported for the alal yoncmration ammally-a powerful stronghold (Vabelta), a sahable sima torime for traphemporal in the Grint. and an
 fram the antiquarimatampuint. The depentencio
 of Malfa, and syatatent from it ln it chamel 3 milne wilc, in which are the little flande of


Comino athl Cominoto. and reveral isfets romel the emants of the larger i-limuls. On me of thene i-lets, fieneralis hack, near the weat sile of (rozo. the finmon Daltwe fingus Cymomiam (y.v.) frows. The area of the entire fovernorship) of Malta extemes to 11 - x. m. The inlame of Malta is wal in whare the north-eastern and fastem show heins broken into sereral somd hathons

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 "pucially one in Comim. Naltat has a bam, - man apmanes, oning to tha abome of trem
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 The local mitian, melmeng the lanal Jata lime

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 guick-tempered aml inmmat. Their thitithathe are prow hay the fact that ilsi anomith hat $t^{2}+9,969$ standing the their crelit in the na inw loank in 1888. They are fomd and prom of their i. latud home-ther love to call it "the thaser of the word'-and are feyont homan 'atholine the fuswer
 There are two hivhop (Malta. Livan) and loon clemg. Camon law i= remond an the rinil law
 lation and their tlensity to the or. m. 114:1 in

 they are fonme to the mumber of imonn in all patio of North Afrima and Lhe Levant. Foburation is proviled for in a maveraty, at lyemon ftom


 -tudents. The empatiomal comblition of the intand

 mamber of stadent- at the Buinersts mome that
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The eromment own two－sevenths of the land thes rent is divided almut equally hetween the ecelesi－ astical ontablinhmonts and private owners）：from the rems of this and other comwn property，ant from customs，liechses，dio，the anmal ravenue of

 eommecting Valeta（q．y．），the present eapian，with the ohl canital（＇ittat Vecehia，known to（＇irem ats Delita，tu the Siracelo a－Dedina，amd bo the momem Naltese as Notabile，a place fonnoled su
 lanl（1697），tralitionally ocenplum the site of at palace of Pablin＊，whe erected there a ehumels，and of a former eathembl mibl hey the Nommans in the
 The eathorial is alomide with moxales，pictures， statues amd other works of art．Near by are the extanive catacombe amd the firotto of st l＇anl，where lie is popalaty believed to lave lived durinis lis thres montlu＇ing on the inand．＇Twa milen dintant is the Vevalai labace，hoilt ly the
 residenee of the sovernor of the indand．At Mnaidra and Hagiar Kinn，in the month of the ivand，there are megalithie jlanioban temples，the gromal． blans，nut only of the general strnctures，hat also of the onotaileil emppartmonto，heins all elliptical in shape．The trablional sreene of St Panl＇shap． wreck is on the morth side of the bay of St l＇aul． Thu chureh of Musta（ $183 \%$ bit）is designed on the model of the Pantheon at lame，amblats the largat dome in limane next after thon of it l＇eter＇s amd the I＇autherm．Some 4000 vessels of 6,0001000 torns enter and alear the inlame ports every year，lith engoes varying in ralme from $420,000,000$ in安 $10,000,000$ ．bint of the total imports（worth nearly $\pm 34,000,000$ in 1591，in 1504 latelly $£^{4} 14,0100,001(1)$
 in the islamp；the rest ia teexpulted．

Thes $I$／hmerion or Ogygir of llomer is sometimes identified with Datta．＇The Pluancians colmisen the islami at a sery early late，more than 1000 years hefore tha＊hirth of Christ．Before they were disturbul in their possession ly the（ireeks，
 Fommerose．＇The dreeks，who catled the iskand Mclite．were driven ont by the Carthaginians abomt 480 BCC As early as the first Punic war Malta was phombred by the lammans，lut din］mot eome detinitively into their hamds matil $216 \mathrm{B.c}$ ．In those maly timis Malta was remowned for its mannfac－ thend cotbon，it roses，anl its loney；and its Koman tromples amd villa buasted excellent work－
of ant and wher indinatoms of great luxury．On the division of the limman worli（395）Malta for）． lowed the fortunes of the eastern empire．During the 5 th econtury it fell succosmively umfer the Vandals and the（aths：and thongh in 533 Belis． and recovered it for the Byantine empire，its pro． sperity departed，and its civilisation almost van－ inlad amide comstant lowad fouds． $\ln 8 \% 0$ the $A$ rals bestroyed the（ireek power in Mala，aml fortitied the harhour Connt Linger of Sicily drove ont the Araks in 1090．As a tief uf Sicily；Malta gamed， numer a marriage eontract，to the Emperor Henty Vl．（1194）．In $12 \mathrm{~s}^{2}$ the inland was conquered by Dedre of Aragom，amb，so coming eventually into the hands of Charles V．，was given ley him，along with（iozo and Tripoli，in perpetual sosereignty to the Kinights of the Order of st John of Ierusalem （ 1 ri30）．The Knights raisen the stupendons forti－ litations whieh maderal Walta so powerful，and spent mucl wealth in heantifying the island． To revenge their attacks on the lbabary pirates， Sultan Silyman sent in 1565 a verg powerful Hout，strengtheneal by the galleys of Dragut of T＇ripuli，aganst the torts．Vatetta was fommed in the following war，after the Turkink attack， which lanted thite months，had been beaten ofl（set VineTra）．In 1571 the Maltese fol－ lowers of the knights of st dolm belaved eomr－ agemasly at the biattle of Lepanto．Tlue Ilospit． allevs continued in prosession of Maltia until 1798 ， when they sumendered their fortresses to the French．The Maltese，however，rose in a few months arainst their new masters，who treated them ill，and after a siege of two years，during which they were assisted by Neapolitan and British forces，they forced the lireneli to vapitu－ late to the Enghisli seneral Pisot．＇Ille treaty of Amiens stipulated that Malta should be restored to the Kinghts of St Jolm ：lut the Maltese pro－ tested against suth an itrangromont，and preferred the rovernment of（ireat liritain．The British govermment comsilututly refased to give up the islann，and Napoleom mate the refusal one of his crommds for the resumption of hostilities．The Comoress of Viema（ 1814 ）finally reeornised Malta an a lbritisla depmidency．

Sec histurical works on Milta by Miege（1840），Etnn （1802），Avales（18301，Tullack（1861），Winterberg（1s゙「！）； （＇arnathat＇s Reports on P＇lumician and Roman Autiquities in Meltie（ 1881 s2）：James Smith，Vomue end shif． areok of Nt J＇ent（ixiti）；Sir Li．L．I＇layfair，Mediter－
 Mursay＇s valuable papur in Seot．ferm．Nu\％．（1siso）．



